*Prepared for*

**Town of Huntington**
**Department of Environmental Control**
100 Main Street
Huntington, New York 11788

*On Behalf of*

**Cashin Associates, P.C.**
1200 Veterans Memorial Highway
Hauppauge, New York 11788

# FINAL REPORT

# CONSTRUCTION QUALITY ASSURANCE

## HUNTINGTON/EAST NORTHPORT LANDFILL
## FINAL CLOSURE SYSTEM
## SUFFOLK COUNTY, NEW YORK



*Prepared by*

**GeoSyntec Consultants**
1100 Lake Hearn Drive N.E., Suite 200
Atlanta, Georgia 30342
Project Number GQ3700

JULY 1996

**VOLUME IX**

*Prepared for*

**Town of Huntington**
**Department of Environmental Control**
100 Main Street
Huntington, New York 11788

*On Behalf of*

**Cashin Associates, P.C.**
1200 Veterans Memorial Highway
Hauppauge, New York 11788

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# FINAL REPORT

# CONSTRUCTION QUALITY ASSURANCE

## HUNTINGTON/EAST NORTHPORT LANDFILL

## FINAL CLOSURE SYSTEM

## SUFFOLK COUNTY, NEW YORK



*Prepared by*

**GEOSYNTEC CONSULTANTS**
1100 Lake Hearn Drive N.E., Suite 200
Atlanta, Georgia 30342
Project Number GQ3700

JULY 1996

**VOLUME VIII**

# APPENDIX T

# AIR PRESSURE TEST LOG

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day April month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: 25-30psi for 5 min. w/<4psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26/4 | P1/P2 0-22' | 22 | YS | 8:38 | 28 | 2 | 26 | 8:43 | — | — | P | | MT |
| | P1/P2 106'-End | 45 | | 8:56 | 25 | 1 | 24 | 9:01 | | | P | | MT |
| | P1/P2 23'-106' | 84 | | 9:10 | 26 | 1 | 25 | 9:15 | | | P | | MT |
| | P2/P3 0-End | 148 | | 10:02 | 28 | 2 | 26 | 10:07 | | | P | | MT |
| | P3/P4 117'-End | 31 | | 10:30 | 29 | 3 | 26 | 10:35 | | | P | | MT |
| | P3/P4 68'-105' | 37 | | 10:43 | 28 | 2 | 26 | 10:48 | | | P | | MT |
| | P3/P4 111'-117' | 6 | | 10:35 | 28 | 3 | 25 | 10:40 | | | P | Capped | MT |
| | P3/P4 12'-68' | 56 | | 13:17 | 30 | 1 | 29 | 13:22 | | | P | | MT |
| | P3/P4 3'-12' | 9 | | 13:24 | 30 | 2 | 28 | 13:29 | | | P | | MT |
| | P4/P5 108'-end | 46 | | 11:30 | 28 | 2 | 26 | 11:35 | | | P | | MT |
| | P4/P5 20'-92' | 72 | | 12:55 | 30 | 2 | 28 | 13:00 | | | P | | MT |
| | P4/P5 92'-106' | 14 | | 13:04 | 29 | 3 | 26 | 13:09 | | | P | | MT |
| | P5/P6 4'-45' | 40 | | 15:09 | 29 | 3 | 26 | 15:14 | | | P | | MT |
| | P5/P6 45'-102' | 57 | | 14:48 | 28 | 3 | 25 | 14:53 | | | P | | MT |

(15)

NOTES: Seam P3/P4 (111'-117') was capped due to two other defects in close proximity.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 4 day May month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: 25-30 psi for 5 min w/ 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 4/5 | P7/P8 | 82 | V/S | 10:58 | 29 | 2 | 27 | 11:03 | – | – | P | – | GD |
| | P8/P9 | 73 | V/S | 11:22 | 30 | 3 | 27 | 11:27 | – | – | P | – | GD |
| | P9/P10 | 74 | V/S | 1:09 | 30 | 2 | 28 | 1:14 | – | – | P | – | GD |
| | P10/P11 | 71 | V/S | 1:21 | 30 | 2 | 28 | 1:26 | – | – | P | – | GD |
| | P11/P12 | 70 | V/S | 1:44 | 30 | 1 | 29 | 1:49 | – | – | P | – | GD |
| 5/5 | 7/8 | 19 | KAY | | | | | | 0 | – | P | – | MS |
| | 8/9 | 6 | | | | | | | 0 | – | P | – | MS |
| | 9/10 | 17 | | | | | | | 0 | – | P | – | MS |
| | 10/11 | 18 | | | | | | | 0 | – | P | – | MS |
| | 11/12 | 4 | | | | | | | 0 | – | P | – | MS |
| | 6/7 | 22 | CD | | | | | | 0 | – | P | – | MS |
| | 5/8 | 22 | CD | | | | | | 0 | – | P | – | MS |
| | 4/9 | 22 | KAY | | | | | | 0 | – | P | – | MS |
| | 3/10 | 22 | | | | | | | 0 | – | P | – | MS |
| (15) | 2/11 | 22 | | | | | | | 0 | – | P | – | MS |

NOTES:

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 5 day 5 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with ≤4psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 5/15 | 1/12 | 0-end | 22 | KAY | — | | | | | 0 | — | P | — | MJ |
| 5/8 | 13/14 | 0-end | 78 | YS | 931 | 28 | 4 | 24 | 936 | — | — | P | — | MJ |
| 11 | 14/15 | 0-32 | 32 | YS | 1000 | 32 | 2 | 30 | 1005 | — | — | P | — | MJ |
| 11 | 11 | 32-end | 42 | YS | 1017 | 30 | 3 | 27 | 1022 | — | — | P | — | MJ |
| 11 | 11 | above crest-0' | 15 | YS | 944 | 28 | 4 | 24 | 949 | — | — | P | — | MJ |
| 11 | 15/16 | 0-34 | 34 | YS | 1034 | 30 | 2 | 28 | 1039 | — | — | P | — | MJ |
| 11 | | 34-end | 44 | YS | 1025 | 30 | 4 | 26 | 1030 | — | — | P | — | MJ |
| 11 | 16/17 | 0-end | 87' | YS | 1050 | 31 | 1 | 30 | 1055 | — | — | P | — | MJ |
| 11 | 17/18 | 0-end | 95 | YS | 1104 | 27 | 2 | 25 | 1109 | — | — | P | — | MJ |
| 11 | 1/13 | 0-end | 22 | YS | 1246 | 30 | 1 | 29 | 1251 | — | — | P | — | MJ |
| 11 | 2/14 | 11 | 22 | YS | 100 | 30 | 1 | 29 | 105 | — | — | P | — | MJ |
| 11 | 3/15 | 11 | 23 | YS | 121 | 30 | 2 | 28 | 126 | — | — | P | — | MJ |
| 11 | 4/16 | 11 | 23 | YS | 132 | 31 | 2 | 29 | 137 | — | — | P | — | MJ |
| 11 | 5/17 | 11 | 23 | YS | 142 | 30 | 1 | 29 | 147 | — | — | P | — | MJ |
| (15) 6 | 6/18 | 11 | 23 | YS | 150 | 30 | 2 | 28 | 155 | — | — | P | — | MJ |

NOTES:

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 6 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with < 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 8-6 | 19/20 198'-258' | 60 | YS | 210 | 31 | 2 | 29 | 215 | — | — | P | — | BM |
| | 62'-143' | 81 | | 216 | 31 | 2 | 29 | 221 | — | — | P | — | BM |
| | 43'-62' | 19 | | 228 | 30 | 2 | 28 | 233 | — | — | P | — | BM |
| 9-6 | 305-329 | 24 | | 713 | 30 | 0 | 30 | 718 | — | — | P | — | MJ |
| | 0'-30' | 30 | | 236 | 30 | 1 | 29 | 241 | — | — | P | — | MJ |
| | 330-360' | 30 | | 305 | 30 | 1 | 29 | 310 | — | — | P | — | MJ |
| | 19/cap* 420'-442' | 22 | | 946 | 31 | 3 | 28 | 951 | — | — | P | — | MJ |
| | 398'-420' | 22 | | 1016 | 31 | 2 | 29 | 1021 | — | — | P | — | MJ |
| | 377'-395' | 18 | | 1048 | 30 | 3 | 27 | 1053 | — | — | P | — | MJ |
| | cap/20 420'-442' | 22 | | 953 | 30 | 1 | 29 | 958 | — | — | P | — | MJ |
| | 398'-420' | 22 | | 1020 | 30 | 2 | 28 | 1025 | — | — | P | — | MJ |
| | 377'-395 | 18 | | 1055 | 30 | 3 | 27 | 1100 | — | — | P | — | MJ |
| 9-6 | 20/21 328-358 | 30 | YS | 304 | 30 | 0 | 30 | 309 | — | — | P | — | MJ |
| | 310 328 | 20 | | 311 | 31 | 2 | 29 | 316 | — | — | P | — | MJ |
| (15) | 273-292 | 19 | | 251 | 31 | 1 | 30 | 256 | — | — | P | — | MJ |

NOTES: * Cap is on seam 19/20

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: ____ day ____ month ____ year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with <4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| | 19/20 | 30'-44' | 14 | | | | | | | | | | | |
| | | 143'-198' | 45 | | | | | | | | | | | |
| | | 258-305 | 47 | | | | | | | | | | | |
| | | 360-373 | 13 | | | | | | | | | | | |
| | 20/21 | 0-3 | 3 | | | | | | | | | | | |
| 12/6 | | 3-17 | 14 | YS | 816 | 30 | 1 | 29 | 821 | — | — | P | — | mz |
| 12/6 | | 17-27 | 10 | YS | 809 | 30 | 1 | 29 | 814 | — | — | P | — | mz |
| | | 27-42 | 15 | | | | | | | | | | | |
| 12/6 | | 42-52 | 10 | YS | 802 | 30 | 0 | 30 | 807 | — | — | P | — | mz |
| 12/6 | | 52-150 | 98 | YS | 755 | 30 | 1 | 29 | 800 | — | — | P | — | mz |
| | | 150-166 | 16 | | | | | | | | | | | |
| 12/6 | | 166-208 | 42 | YS | 746 | 30 | 2 | 28 | 751 | — | — | P | — | mz |
| 12/6 | | 208-256 | 48 | YS | 739 | 30 | 0 | 30 | 744 | — | — | P | — | mz |
| | | 256-273 | 17 | | | | | | | | | | | |
| (15) | | 292-310 | 18 | | | | | | | | | | | |

NOTES:

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## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 12 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi for ≥5 min with <4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| | 20/21 357-373 | 16 | | | | | | | | | | | |
| 12/6 | 373-402 | 29 | YS | 716 | 30 | 1 | 29 | 722 | — | — | P | — | MJ |
| 12/6 | 402-434 | 32 | YS | 726 | 31 | 1 | 30 | 731 | — | — | P | — | MJ |
| 14/6 | 21/22 0-26 | 26 | | 857 | 30 | 0 | 30 | 902 | — | — | P | — | MJ |
| | 44-58 | 14 | | 946 | 30 | 2 | 28 | 951 | — | — | P | — | MJ |
| | 58-99 | 41 | | 934 | 32 | 2 | 30 | 939 | — | — | P | — | MJ |
| | 99-153 | 54 | | 958 | 30 | 2 | 28 | 1003 | — | — | P | — | MJ |
| | 167-263 | 96 | | 1013 | 31 | 1 | 30 | 1018 | — | — | P | — | MJ |
| | 280-364 | 84 | | 1025 | 31 | 3 | 28 | 1030 | — | — | P | — | MJ |
| | 380-438 | 58 | | 1035 | 30 | 1 | 29 | 1040 | — | — | P | — | MJ |
| | 364-380 | 16 | | | | | | | | | | | |
| | 263-280 | 17 | | | | | | | | | | | |
| | 153-167 | 14 | | | | | | | | | | | |
| | 26-44 | 18 | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | |

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with > 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 14/6 | 22/23 0-25 | 25 | YS | 1107 | 31 | 3 | 28 | 1112 | – | – | P | – | MJ |
| | 40-150 | 110 | | 1058 | 31 | 2 | 29 | 1103 | – | – | P | – | MJ |
| | 166-261 | 95 | | 1047 | 31 | 1 | 30 | 1052 | – | – | P | – | MJ |
| | 276-367 | 91 | | 1119 | 32 | 2 | 30 | 1124 | – | – | P | – | MJ |
| | 382-443 | 61 | | 1129 | 31 | 3 | 28 | 1134 | – | – | P | – | MJ |
| | 25-40 | 15 | | | | | | | | | | | |
| | 150-166 | 16 | | | | | | | | | | | |
| | 261-276 | 15 | | | | | | | | | | | |
| | 367-382 | 15 | | | | | | | | | | | |
| 14/6 | 23/24 0-27 | 27 | YS | 1248 | 30 | 2 | 28 | 1253 | – | – | P | – | MJ |
| | 39-149 | 110 | | 1257 | 30 | 3 | 27 | 102 | – | – | P | – | MJ |
| | 165-199 | 34 | | 108 | 31 | 1 | 30 | 113 | – | – | P | – | MJ |
| | 275-323 | 48 | | 125 | 31 | 1 | 30 | 130 | – | – | P | – | MJ |
| | 323-365 | 42 | | 138 | 30 | 0 | 30 | 143 | – | – | P | – | MJ |
| (15) | 382-408 | 26 | | 201 | 30 | 2 | 28 | 206 | – | – | P | – | MJ |

NOTES:

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with > 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 14/6 | 23/24 408-446 | 38 | YS | 149 | 30 | 1 | 29 | 154 | — | — | P | — | MJ |
| ↓ | 199-261 | 62 | ↓ | 118 | 30 | 0 | 30 | 123 | — | — | P | — | MJ |
| | 27-39 | 12 | | | | | | | | | | | |
| | 149-165 | 16 | | | | | | | | | | | |
| | 261-275 | 14 | | | | | | | | | | | |
| | 365-382 | 17 | | | | | | | | | | | |
| 14/6 | 24/25 0-30 | 30 | YS | 241 | 30 | 0 | 30 | 246 | — | — | P | — | MJ |
| ↓ | 90-110 | 70 | ↓ | 308 | 31 | 0 | 31 | 313 | — | — | P | — | MJ |
| ↓ | 110-148 | 38 | ↓ | 301 | 31 | 1 | 30 | 306 | — | — | P | — | MJ |
| 15/6 | 162-198 | 36 | YS | 1058 | 30 | 3 | 27 | 1103 | — | — | P | — | MJ |
| ↓ | 198-216 | 18 | ↓ | 1110 | 33 | 2 | 31 | 1115 | — | — | P | — | MJ |
| ↓ | 216-230 | 14 | ↓ | 1123 | 33 | 2 | 31 | 1128 | — | — | P | — | MJ |
| ↓ | 230-255 | 25 | ↓ | 713 | 30 | 0 | 30 | 718 | — | — | P | — | MJ |
| ↓ | 270-303 | 33 | ↓ | 700 | 31 | 2 | 29 | 705 | — | — | P | — | MJ |
| (15) | 303-318 | 15 | ↓ | 947 | 32 | 2 | 30 | 952 | — | — | P | — | MJ |

NOTES:

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## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with > 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 15/6 | 24/25 350-357 | 7 | YS | 918 | 30 | 2 | 28 | 923 | - | - | P | - | MJ |
| ↓ | 386-434 | 48 | ↓ | 759 | 32 | 2 | 30 | 804 | - | - | P | - | MJ |
| | 30-40 | 10 | | | | | | | | | | | |
| | 148-162 | 14 | | | | | | | | | | | |
| | 255-270 | 15 | | | | | | | | | | | |
| | 357-386 | 29 | | | | | | | | | | | |
| 15/6 | 25/26A 0-89 | 89 | YS | 1042 | 31 | 3 | 28 | 1057 | - | - | P | - | MJ |
| ↓ | 105-122 | 17 | ↓ | 1029 | 32 | 1 | 31 | 1034 | - | - | P | - | MJ |
| | 122-145 | 23 | | 1022 | 31 | 1 | 30 | 1027 | - | - | P | - | MJ |
| | 145-170 | 25 | | 1010 | 29 | 0 | 29 | 1015 | - | - | P | - | MJ |
| 16/6 | 25/cap 170-195 | 25 | | 806 | 30 | 1 | 29 | 811 | - | - | P | - | MJ |
| ↓ | 26A/cap 170-195 | 25 | | 818 | 30 | 0 | 30 | 823 | - | - | P | - | MJ |
| 15/6 | 25/cap 207-224 | 17 | | 213 | 31 | 1 | 30 | 218 | - | - | P | - | MJ |
| ↓ | 26B/cap 207-224 | 17 | | 153 | 30 | 0 | 30 | 158 | - | - | P | - | MJ |
| (15) | 25/cap 224-249 | 25 | ↓ | 221 | 30 | 0 | 30 | 226 | - | - | P | - | MJ |

NOTES:

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day 06 month 95 year

CONTRACTOR: Goundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with > 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 15/6 | 26A/cap 224 - 239 | 15 | YS | 239 | 30 | 2 | 28 | 244 | – | – | P | – | MJ |
| | ↓ 239 - 249 | 10 | | 247 | 30 | 0 | 30 | 252 | – | – | P | – | MJ |
| | 25/cap 249 - 270 | 21 | | 305 | 31 | 1 | 30 | 310 | – | – | P | – | MJ |
| | 26A/cap 249 - 270 | 21 | | 312 | 30 | 1 | 29 | 317 | – | – | P | – | MJ |
| | 25/26A 89 - 105 | 16 | | | | | | | | | | | |
| | ↓ 195 - 207 | 12 | | | | | | | | | | | |
| 16/6 | 25/26B 0 - 27 | 27 | YS | 925 | 31 | 0 | 31 | 930 | – | – | P | – | MJ |
| ↓ | 37 - 148 | 111 | ↓ | 1000 | 32 | 2 | 30 | 1005 | – | – | P | – | MJ |
| | 27 - 37 | 10 | | | | | | | | | | | |
| | ↓ 148 - end | 18 | | | | | | | | | | | |
| 16/6 | 26A/26B X seam | 22 | YS | 1009 | 30 | 1 | 29 | 1014 | – | – | P | – | GD |
| | 26B/27 0 - 23 | 23 | | 231 | 33 | 1 | 32 | 236 | – | – | P | – | MJ |
| | 37 - 63 | 26 | | 238 | 30 | 0 | 30 | 243 | – | – | P | – | MJ |
| | ↓ 63 - 149 | 86 | ↓ | 249 | 30 | 0 | 30 | 254 | – | – | P | – | MJ |
| (15) | ↓ 23 - 37 | 14 | | | | | | | | | | | |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 16 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with ≥ 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| | 26B/27 | 149 - end | 16 | | | | | | | | | | | |
| 16/6 | 26A/27 | 0 - 66 | 66 | YS | 1031 | 32 | 2 | 30 | 1036 | - | - | P | - | MJ |
| | | 66 - 95 | 29 | | 1041 | 30 | 1 | 29 | 1046 | - | - | P | - | MJ |
| | | 107 - 113 | 6 | | 1116 | 30 | 2 | 28 | 1121 | - | - | P | - | MJ |
| | | 113 - 135 | 22 | | 1109 | 30 | 1 | 29 | 1114 | - | - | P | - | MJ |
| | | 135 - 180 | 45 | | 1058 | 32 | 2 | 30 | 1103 | - | - | P | - | MJ |
| | | 180 - 193 | 13 | | 1130 | 30 | 2 | 28 | 1135 | - | - | P | - | MJ |
| | | 223 - 234 | 11 | | 118 | 30 | 1 | 29 | 123 | - | - | P | - | MJ |
| | | 234 - 244 | 10 | | 1257 | 30 | 2 | 28 | 102 | - | - | P | - | MJ |
| | | 244 - 264 | 20 | | 1245 | 32 | 4 | 28 | 1250 | - | - | P | - | MJ |
| | | 264 - 282 | 18 | | 1149 | 30 | 2 | 28 | 1154 | - | - | P | - | MJ |
| | | 95 - 107 | 12 | | | | | | | | | | | |
| | | 193 - 223 | 30 | | | | | | | | | | | |
| 16/6 | 27/28 | 10 - 22 | 12 | YS | 224 | 30 | 0 | 30 | 239 | - | - | P | - | MJ |
| (15) | ↓ | 35 - 57 | 22 | ↓ | 203 | 33 | 3 | 30 | 208 | - | - | P | - | MJ |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 16 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with > 4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 16/6 | 27/28 57-106 | 49 | YS | 151 | 32 | 2 | 30 | 156 | – | – | P | – | mj |
| | 106-147 | 41 | | 143 | 32 | 2 | 30 | 148 | – | – | P | – | mj |
| | 159-195 | 38 | | 300 | 30 | 0 | 30 | 305 | – | – | P | – | mj |
| | 195-225 | 30 | | 314 | 30 | 2 | 28 | 319 | – | – | P | – | mj |
| 19/6 | 225-255 | 30 | YS | 735 | 33 | 1 | 32 | 740 | – | – | P | – | mj |
| | 271-290 | 19 | | 810 | 31 | 1 | 30 | 815 | – | – | P | – | mj |
| | 290-323 | 33 | | 818 | 30 | 3 | 27 | 823 | – | – | P | – | mj |
| | 323-344 | 21 | | 829 | 28 | 3 | 25 | 834 | – | – | P | – | mj |
| | 344-351 | 7 | | 822 | 31 | 4 | 27 | 827 | – | – | P | – | mj |
| 16/6 | 368-447 | 79 | | 129 | 30 | 2 | 28 | 134 | – | – | P | – | mj |
| | 0-10 | 10 | | | | | | | | | | | |
| | 22-35 | 13 | | | | | | | | | | | |
| | 147-159 | 12 | | | | | | | | | | | |
| | 255-271 | 16 | | | | | | | | | | | |
| (15) | 351-368 | 17 | | | | | | | | | | | |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 19 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with ≤4psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | START PRES. | Δ PRES. (psi) | STOP PRES. | STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | DATE OF RE-TEST | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19/6 | 28/29 | 0-21 | 21 | Y5 | 728 | 30 | 1 | 29 | 733 | — | — | P | — | MJ |
| | | 52-144 | 92 | | 704 | 32 | 2 | 30 | 709 | — | — | P | — | MJ |
| | | 157-251 | 94 | | 743 | 28 | 0 | 28 | 748 | — | — | P | — | MJ |
| | | 275-325 | 50 | | 806 | 30 | 2 | 28 | 811 | — | — | P | — | MJ |
| | | 21-52 | 31 | | | | | | | | | | | |
| | | 144-157 | 13 | | | | | | | | | | | |
| | MJ | 251-275 | 14 | | | | | | | | | | | |
| 21/6 | 27/28/cap | 60-83 | 23 | Y5 | 805 | 32 | 2 | 30 | 810 | — | — | P | — | MJ |
| | 27/cap | 60-83 | 23 | | 832 | 30 | 1 | 29 | 837 | — | — | P | — | MJ |
| | 28/cap | 35-60 | 25 | | 840 | 31 | 3 | 28 | 845 | — | — | P | — | MJ |
| | 27/cap | 35-60 | 25 | | 900 | 32 | 2 | 30 | 905 | — | — | P | — | MJ |
| | 28/cap | 11-22 | 11 | | 911 | 31 | 4 | 27 | 916 | — | — | P | — | MJ |
| | ↓ | 0-11 | 11 | | 919 | 33 | 3 | 30 | 924 | — | — | P | — | MJ |
| | 27/cap | 0-23 | 23 | | 950 | 31 | 2 | 27 | 955 | — | — | P | — | MJ |
| (15) | 28/29 | 370-425 | 55 | | 1023 | 29 | 1 | 28 | 1028 | — | ✓ | P | — | MJ |

NOTES:

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TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 21 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with ≤4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 21/6 | 19/30 A C→D | | YS | 1245 | 30 | 0 | 30 | 1250 | — | — | P | — | MJ |
| | 19/30 B D→X | | | 135 | 31 | 1 | 30 | 140 | — | — | P | — | MJ |
| | 50A/30B | 22.2 | | 110 | 31 | 1 | 30 | 115 | — | — | P | — | MJ |
| | 19/30 A D→K | | | 220 | 30 | 3 | 27 | 225 | — | — | P | — | MJ |
| | 19/30 A D→K | | | 237 | 31 | 2 | 29 | 242 | — | — | P | — | MJ |
| | 19/30 A Above K | | | 247 | 31 | 1 | 30 | 252 | — | — | P | — | MJ |
| | 30B/31 Below K | | | 325 | 31 | 1 | 30 | 330 | — | — | P | — | MJ |
| | 19/30B Below K | | | 157 | 31 | 1 | 30 | 202 | — | — | P | — | MJ |
| 22/6 | 30B/31 X-C | 111 | YS | 844 | 33 | 2 | 31 | 849 | — | — | P | — | MJ |
| 21/6 | 19/cap upper seam | 22 | | 702 | 31 | 1 | 30 | 707 | — | — | P | — | MJ |
| | cap/19 lower | 22 | | 710 | 32 | 0 | 32 | 715 | — | — | P | — | MJ |
| | 20/cap upslope | | | 717 | 31 | 0 | 31 | 722 | — | — | P | — | MJ |
| | cap/20 downslope | | | 723 | 30 | 0 | 30 | 728 | — | — | P | — | MJ |
| | 21/cap upslope | | | 735 | 30 | 0 | 30 | 740 | — | — | P | — | MJ |
| (15) | cap/21 downslope | | | 741 | 30 | 0 | 30 | 746 | — | — | P | — | MJ |

NOTES:

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TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 22 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with ≤4psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 22/06 | 30A/31 C-D 168-267 | 99 | JM | 1000 | 30 | 0 | 30 | 1005 | – | – | P | – | MJ |
| | 31/32 Above→D 285-335 | 50 | YS | 1051 | 30 | 1 | 29 | 110 | – | – | P | – | MJ |
| | 31/32 C-D 215-272 | 57 | | 132 | 31 | 3 | 28 | 137 | – | – | P | – | MJ |
| | 205-215 | 10 | | 147 | 31 | 1 | 30 | 152 | – | – | P | – | MJ |
| | 166-205 | 39 | | 154 | 31 | 0 | 31 | 159 | – | – | P | – | MJ |
| | X-C 127-153 | 26 | | 209 | 31 | 0 | 31 | 214 | – | – | P | – | MJ |
| | 97-117 | 20 | | 247 | 33 | 2 | 31 | 252 | – | – | P | – | MJ |
| | 117-127 | 10 | | 220 | 31 | 1 | 30 | 225 | – | – | P | – | MJ |
| | 44-97 | 53 | | 300 | 31 | 0 | 31 | 305 | – | – | P | – | MJ |
| | 0-32 | 32 | | 311 | 31 | 0 | 31 | 316 | – | – | P | – | MJ |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 23 day 06 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with ≤4 psi drop

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 22/06 | 32/33 0-32' | 32 | YS | 320 | 31 | 0 | 31 | 325 | 0 | – | P | – | |
| 23/06 | 44-154 | 110 | | 707 | 30 | 0 | 30 | 712 | 0 | – | P | – | |
| | 167-273 | 106 | | 718 | 33 | 3 | 30 | 723 | 0 | – | P | – | |
| ↓ | 287-335 | 48 | ↓ | 726 | 30 | 2 | 28 | 731 | 0 | – | P | – | |

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NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 06 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi for 5 min. with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 Mil Comp Text.

| DATE (day/mo) | SEAM NO. OR LOCATION See Seaming Logs For Location | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 28-06 | 19-West | 22' | Y.S. | 1005 | 30 | 1 | 29 | 1010 | — | — | P — | — | H.L. |
| 28-06 | 19-East | 22' | Y.S. | 0955 | 30 | 0 | 30 | 1000 | — | — | P — | — | H.L. |
| 28-06 | 30-West | 22' | Y.S. | 1110 | 30 | 1 | 29 | 1115 | — | — | P — | — | H.L. |
| 28-06 | 30-East | 22' | Y.S. | 1115 | 31 | 2 | 29 | 1120 | — | — | P — | — | H.L. |
| 28-06 | 31-West | 22' | Y.S. | 1319 | 30 | 0 | 30 | 1320 | — | — | P — | — | H.L. |
| 28-06 | 31-East | 22' | Y.S. | 1300 | 30 | 1 | 29 | 1305 | — | — | P — | — | H.L. |
| 28-06 | 32-West | 22' | Y.S. | 1440 | 29 | 0 | 29 | 1445 | — | — | P — | — | H.L. |
| 28-06 | 32-East | 22' | Y.S. | 1455 | 30 | 0 | 30 | 1500 | — | — | P — | — | H.L. |
| 28-06 | 33-West | 22' | Y.S. | 1441 | 30 | 0 | 30 | 1446 | — | — | P — | — | H.L. |
| 29-06 | 33-East | 22' | CO | | | | | | 0 | — | P — | Ext. | H.L. |
| — | No Further Entries This Page | — | | | | | | | — | — | — | | |
| (15) | | | | | | | | | | | | | |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 06 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi with 4 psi drop, for 5 min

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Carp Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 26-06 | 33-34 | 0' | To 33' | Y.S. | 0732 | 33 | 2 | 31 | 0737 | — | — | P / - | - | H.L. |
| 26-06 | 33-34 | 33' | To 48' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 33-34 | 48' | To 151' | Y.S. | 0723 | 30 | 0 | 30 | 0728 | — | — | P / - | — | H.L. |
| 26-06 | 33-34 | 151' | To 159' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 33-34 | 159' | To 175' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 33-34 | 175' | To 225' | Y.S. | 0711 | 31 | 0 | 31 | 0716 | — | — | P / - | — | H.L. |
| 26-06 | 33-34 | 225' | To 284' End | Y.S. | 0702 | 31 | 1 | 30 | 0707 | — | — | P / - | — | H.L. |
| 26-06 | 33-34 | 284' | To 300' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 34-35A | | 0' To 16' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 34-35 | 16' | To 46' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 34-35 | 46' | To 159' | Y.S | 0814 | 30 | 0 | 30 | 0819 | — | — | P / - | — | H.L. |
| 26-06 | 34-35 | 159' | To 171' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 | 34-35 | 171' | To 281' End | Y.S | 0730 | 30 | 0 | 30 | 0735 | — | — | P / - | — | H.L. |
| 26-06 | 35-35A | Butt | 0'-22' | | | | | | | 0 | — | P / - | Ext. | HL |
| 26-06 (15) | 35A-36 | | 0'-21' | | | | | | | 0 | — | P / - | Ext. | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 04 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 26-04 | 35-36 21' | To 31' | Y.S. | 0802 | 31 | 1 | 30 | 0807 | — | — | P — | — | H.L. |
| 26-04 | 35-36 31' | To 45' | | | | | | | 0 | — | P — | Ext. | HL |
| 26-04 | 35-36 45' | To 145' | Y.S. | 0820 | 31 | 2 | 29 | 0825 | — | — | P — | — | H.L. |
| 26-04 | 35-36 145' | To 155' | Y.S. | 0827 | 30 | 0 | 30 | 0832 | — | — | P — | — | H.L. |
| 26-04 | 35-36 155' | To 174' | | | | | | | 0 | — | P — | Ext | HL |
| 26-04 | 35-36 174' | To 211' | Y.S. | 0835 | 30 | 2 | 28 | 0840 | — | — | P — | — | H.L. |
| 26-04 | 35-36 211' | To 264' END | Y.S. | 0845 | 30 | 1 | 27 | 0850 | — | — | P — | — | H.L. |
| → | No Further | — | — | — | Entries | | This | Page | — | — | — — | — | HL |

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NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 13 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 Mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 13-07 | 29-83 | 346' - | 358' END | C.O. | | | | | | 0 | — | P \| — | — | HL |
| 13-07 | 29-83 | 358' - | 450' | A.L. | 0955 | 32 | 2 | 30 | 1000 | — | — | P \| — | — | HL |
| 13-07 | 83-84 | 0' - | 17' | A.L. | 1322 | 30 | 1 | 29 | 1327 | — | — | P \| — | — | HL |
| 13-07 | 83-84 | 17' - | 35' | C.O. | | | | | | 0 | — | P \| — | Ext. | HL |
| 13-07 | 83-84 | 35' - | 142' | AL | 1305 | 30 | 0 | 30 | 1310 | — | — | P \| — | — | HL |
| 13-07 | 83-84 | 142 - | 159' | C.O. | | | | | | 0 | — | P \| — | Ext. | HL |
| 13-07 | 83-84 | 159' - | 250' | AL | 1250 | 29 | 1 | 28 | 1255 | • | — | P \| — | — | HL |
| 13-07 | 83 84 | 250' - | 264' | C.O | | | | | | — | — | P \| — | Ext. | HL |
| 13-07 | 83-84 | 264' - | 337' | A.L. | 1135 | 30 | 2 | 28 | 1140 | — | — | P \| — | — | HL |
| 13-07 | 83-84 | 337 - | 349' | C.O. | | | | | | 0 | — | P \| — | Ext. | HL |
| 13-07 | 83-84 | 349' - | 411' END | AL | 1119 | 30 | 1 | 29 | 1124 | — | — | P \| — | — | HL |
| 13-07 | 83-84 | 411' - | 447' | AL | 1117 | 29 | 0 | 29 | 1122 | — | — | P \| — | — | HL |
| 14-07 | 84-85 | 0' - | 18' | AL | 1104 | 30 | 2 | 28 | 1109 | — | — | P \| — | — | HL |
| 29-07 | 84-85 | 18' - | 30' | C.O. | | | | | | 0 | — | P \| — | Ext. | HL |
| 14 (15)-07 | 84-85 | 30' - | 143' | AL | 0952 | 30 | 2 | 28 | 0957 | — | — | P \| — | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with ≤ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29-07 | 84-85 | 143' - 155' | | C.O. | | | | | | 0 | — | P — | Ext | HL |
| 14-07 | 84-85 | 155' - 252' | | A.L. | 1002 | 31 | 1 | 30 | 1007 | — | — | P — | — | HL |
| 29-07 | 84-85 | 252' - 264' | | C.O. | | | | | | 0 | — | P — | Ext. | HL |
| 14-07 | 84-85 | 264' - 333' | | A.L. | 0940 | 30 | 2 | 28 | 0945 | — | — | P — | — | HL |
| 29-07 | 84-85 | 333' - 351' | | C.O. | | | | | | 0 | — | P — | Ext. | HL |
| 14-07 | 84-85 | 351' - 450' | END | A.L. | 0856 | 29 | 2 | 27 | 0901 | — | — | P — | — | HL |
| 14-07 | 85-86 | 0' - 18' | | A.L. | 1106 | 31 | 3 | 28 | 1111 | — | — | P — | — | HL |
| 29-07 | 85-86 | 18' - 34' | | C.O. | | | | | | 0 | — | P — | Ext. | HL |
| 14-07 | 85-86 | 34' - 144' | | A.L. | 1114 | 29 | 1 | 28 | 1119 | — | — | P — | — | HL |
| 29-07 | 85-86 | 144' - 156' | | C.O. | | | | | | 0 | — | P — | Ext. | HL |
| 14-07 | 85-86 | 156' - 255' | | A.L. | 1042 | 30 | 2 | 28 | 1047 | — | — | P — | — | HL |
| 29-07 | 85-86 | 255' - 267' | | C.O. | | | | | | 0 | — | P — | Ext. | HL |
| 14-07 | 85-86 | 267' - 346' | | A.L. | 1050 | 29 | 2 | 27 | 1055 | — | — | P — | — | HL |
| 29-07 | 85-86 | 346' - 358' | | C.O. | | | | | | 0 | — | P — | Ext. | HL |
| 29 (15)-07 | 85-86 | 358' - 457' | END | C.O. | 1014 | 30 | 2 | 28 | 1019 | — | — | P — | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

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LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap. Textured

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 14-07 | 86-88 | 0'-17' | JM | 1310 | 29 | 1 | 28 | 1315 | — | — | P / — | — | HL |
| 29-07 | 86-88 | 17'-29' | C.O. | | | | | | 0 | — | P / — | Ext. | HL |
| 14-07 | 86-88 | 29'-141' | JM | 1325 | 31 | 1 | 30 | 1330 | — | — | P / — | — | HL |
| 29-07 | 86-88 | 141'-153' | C.O. | | | | | | 0 | — | P / — | Ext. | HL |
| 14-07 | 86-88 | 153'-200' | A.L. | 1400 | 30 | 3 | 27 | 1405 | — | — | P / — | — | HL |
| 29-07 | 84-88 | 254'-266' END | C.O. | | | | | | 0 | — | P / — | Ext. | HL |
| 14-07 | 86-88 | 266'-320' END | AL | 1305 | 30 | 2 | 28 | 1310 | — | — | P / — | — | HL |
| 14-07 | 86-87 | 312'-HL-356' END | AL | 1134 | 30 | 2 | 28 | 1139 | — | — | P / — | — | HL |
| 14-07 | 87-88 | 312'-325' | AL | 1140 | 30 | 1 | 29 | 1145 | — | — | P / — | — | HL |
| 14-07 | 86-88 | 200' To 240' | AL | 1352 | 30 | 1 | 29 | 1357 | — | — | P / — | — | HL |
| 14-07 | 86-88 | 240' To 248' | AL | 1340 | 30 | 1 | 29 | 1345 | — | — | P / — | — | HL |
| 29-07 | 86-88 | 248 To 2545' | C.O. | | | | | | 0 | — | P / — | Ext. | HL |
| 17-07 | 88-90 | 0' To 3' | JM | 1130 | 30 | 0 | 30 | 1135 | — | — | P / — | — | HL |
| 17-07 | 88-89 | 3' To 18' | JM | 1115 | 30 | 1 | 29 | 1120 | — | — | P / — | — | HL |
| 29-07 (15) | 88-89 | 18' To 30' | C.O. | | | | | | 0 | — | P / — | Ext. | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 17 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 17-07 | 88-89 | 30' | To 139' | AL | 1120 | 30 | 0 | 30 | 1125 | — | — | P / F | — | HL |
| 20-07 | 88-89 | 139' | To 151' | C.O. | | | | | | 0 | — | P / F | Ext. | HL |
| 17-07 | 88-89 | 151' | To 255' | AL | 1126 | 30 | 2 | 28 | 1131 | — | — | P / F | — | HL |
| 20-07 | 88-89 | 255' | To 267' | C.O. | | | | | | 0 | — | P / F | Ext. | HL |
| 17-07 | 88-89 | 267' | To 313' END | AL | 1122 | 29 | 1 | 28 | 1127 | — | — | P / F | — | HL |
| 17-07 | 89-90 | Butt | 0'-22' END | JM | 1135 | 30 | 2 | 28 | 1140 | — | — | P / F | — | HL |
| 17-07 | 90-92 | 0' | To 3' | JM | 1430 | 28 | 1 | 27 | 1435 | — | — | P / F | — | HL |
| 17-07 | 89-92 | 3' | To 19' | JM | 1355 | 29 | 1 | 28 | 1400 | — | — | P / F | — | HL |
| 20-07 | 89-92 | 19' | To 25' | C.O. | | | | | | 0 | — | P / F | Ext. | HL |
| 20-07 | 89-91 | 25' | To 31' | C.O. | | | | | | 0 | — | P / F | Ext. | HL |
| 17-07 | 89-91 | 31' | To 100' | JM | 1425 | 30 | 1 | 29 | 1430 | — | — | P / F | — | HL |
| 17-07 | 89-91 | 100' | To 141' | JM | 1435 | 30 | 0 | 30 | 1440 | — | — | P / F | — | HL |
| 20-07 | 89-91 | 141' | To 153' | C.O. | | | | | | 0 | — | P / F | Ext. | HL |
| 17-07 | 89-91 | 153' | To 261' END | AL | 1410 | 30 | 2 | 28 | 1415 | — | — | P / F | — | HL |
| 20-07 (15) | 89-91 | 261' | To 274' | C.O. | | | | | | 0 | — | P / F | Ext. | HL |

NOTES:

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TOWN OF HUNTINGTON

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DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 17 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20-07 | 91-92 Butt | 0'-22' END | C.O. | | | | | | 0 | — | P / — | ExT. | HL |
| 17-07 | 92-93 0' | To 19' | JM | 1549 | 29 | 1 | 28 | 1554 | — | — | P / — | — | HL |
| 20-07 | 92-93 19' | To 25' | C.O | | | | | | 0 | — | P / — | ExT. | HL |
| 20-07 | 91-93 25' | To 31' | C.O | | | | | | 0 | — | P / — | ExT. | HL |
| 17-07 | 91-93 31' | To 134' | JM | 1622 | 29 | 2 | 27 | 1627 | — | — | P / — | — | HL |
| 20-07 | 91-93 134' | To 149' | C.O | | | | | | 0 | — | P / — | ExT. | HL |
| 20-07 | 91-93 149' | To 230' END | JM A.B | 1633 | 30 | 1 | 29 | 1638 | 0 | — | P / — | — | HL |
| 20-07 | 93-94 0' | To 19' | JM | 1635 | 30 | 2 | 28 | 1640 | — | — | P / — | — | HL |
| 28-07 | 93-94 19' | To 31' | JAL | | | | | | 0 | — | P / — | ExT. | HL |
| 17-07 | 93-94 31' | To 137' | JM | 1725 | 29 | 1 | 28 | 1730 | — | — | P / — | — | HL |
| Void Entry | 93-94 137' | To 137' | | | | | | | | — | P / — | | HL |
| 28-07 | 93-94 137' | To 149' | JAL | | | | | | 0 | — | P / — | ExT. | HL |
| 17-07 | 93-94 149' | To 190' END | JM | 1730 | 30 | 0 | 30 | 1735 | — | — | P / — | — | HL |
| * 24-07 | 84-85 346' | To 357' | CO | | | | | | | — | P / — | ExT. | HL |
| * 24-07 (15) | 84-85 357' | To 430' | JM | 1240 | 30 | 3 | 27 | 1245 | — | — | P / — | — | HL |

NOTES: * CWT open end Rescanned & ReTested Air Pressure.

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

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PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Carp Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 26-07 | 100-102 0' | To 23' END | JM | 1405 | 29 | 1 | 28 | 1410 | — | — | Y / — | — | HL |
| 26-07 | 100-102 23' | To 44' END | JM | 1413 | 29 | 1 | 28 | 1418 | — | — | Y / — | — | HL |
| 27-07 | 100-101 44' | To 82' END | AL | 0915 | 30 | 1 | 29 | 0920 | — | — | Y / — | — | HL |
| 26-07 | 102-101 Bum | 0'-22' | JM | 1413 | 29 | 1 | 28 | 1418 | — | — | Y / — | — | HL |
| 27-07 | 102-103 0' | To 55' END | AL | 0858 | 29 | 1 | 28 | 0858 | — | — | Y / — | — | HL |
| 27-07 | 101-103 55' | To 147' | AL | 0857 | 29 | 2 | 27 | 0903 | — | — | Y / — | — | HL |
| 27-07 | 103-104 0' | To 100' | JM | 0854 | 30 | 2 | 28 | 0859 | — | — | Y / — | — | HL |
| 31-07 | 103-104 100' | To 112' END | SAL | | | | | | 0 | — | Y / — | Ext. | HL |
| 27-07 | 103-104 112' | To 193' | AL | 1015 | 29 | 2 | 27 | 1020 | — | — | Y / — | — | HL |
| 27-07 | 104-105 0' | To 102' | AL | 0945 | 30 | 0 | 30 | 0950 | — | — | Y / — | — | HL |
| 31-07 | 104-105 102' | To 114' | SAL | | | | | | 0 | — | Y / — | Ext. | HL |
| 27-07 | 104-105 114' | To 200' | AL | 1031 | 29 | | 27 | 1036 | — | — | Y / — | — | HL |
| 27-07 | 104-105 200' | To 218' END | AL | 1040 | 31 | 1 | 30 | 1045 | — | — | Y / — | — | HL |
| 31-07 | 104-105 218' | To 244' | SAL | | | | | | 0 | — | Y / — | Ext. | HL |
| 27-07 (15) | 105-106 0' | To 15' | JM | 1105 | 30 | 0 | 30 | 1110 | — | — | Y / — | — | HL |

NOTES:

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TOWN OF HUNTINGTON

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| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 27-07 | 105-106 | 15' | To 103' | JM | 1100 | 30 | 0 | 30 | 1105 | — | — | Y / — | — | HL |
| 31-07 | 105-106 | 103' | To 117' | SAL | | | | | | 0 | — | Y / — | Ext. | HL |
| 27-07 | 105-106 | 117' | To 221' | AL | 1125 | 29 | 2 | 27 | 1130 | — | — | Y / — | — | HL |
| 31-07 | 105-106 | 221' | To 233' END | SAL | | | | | | 0 | — | Y / — | Ext | HL |
| 27-07 | 105-106 | 233' | To 299' | A.L. | 1106 | 30 | 2 | 28 | 1111 | — | — | Y / — | — | HL |
| 27-07 | 106-108 | 0' | To 53' | JM | 1515 | 32 | 1 | 31 | 1520 | — | — | Y / — | — | HL |
| 27-07 | 106-107 | 53' | To 103' | JM | 1445 | 30 | 0 | 30 | 1450 | — | — | Y / — | — | HL |
| 02-08 | 106-107 | 103' | To 115' | SAL | | | | | | 0 | — | Y / — | Ext. | HL |
| 27-07 | 106-107 | 115' | To 221' | JM | 1433 | 30 | 0 | 30 | 1438 | — | — | Y / — | — | HL |
| 02-08 | 106-107 | 221' | To 235' END | SAL | | | | | | 0 | — | Y / — | Ext. | HL |
| 27-07 | 106-107 | 235' | To 298' | C.S. | 1400 | 30 | 1 | 29 | 1405 | — | — | Y / — | — | HL |
| 27-07 | 106-107 | 298' | To 303' | C.S. | 1355 | 30 | 0 | 30 | 1400 | — | — | Y / — | | HL |
| | | 303' | To 315' | | | | | | | | | Y / — | | HL |
| 27-07 | 107-108 | Butt | 0' To 22' | JM | 1553 | 29 | 2 | 27 | 1558 | — | — | Y / — | — | HL |
| (15) | 108-109 | 0' | To 62' | JM | 1550 | 29 | 0 | 29 | 1555 | — | — | Y / — | — | HL |

void

NOTES: 27-07 ) 106-107 235' To 279' C.S. 1400 30 1 29 1405 Y HL

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TOWN OF HUNTINGTON

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 27-07 | 107-109 | 62' To 108' | JM | 1530 | 30 | 0 | 30 | 1535 | — | — | P — | — | HL |
| 02-08 | 107-109 | 108' To 120' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 27-07 | 107-109 | 120' To 224' | K.O. | 1550 | 30 | 0 | 30 | 1555 | — | — | P — | — | HL |
| 02-08 | 107-109 | 224' To 236' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 27-07 | 107-109 | 236' To 303' | C.S. | 1555 | 30 | 1 | 29 | 1600 | — | — | P — | — | HL |
| 02-08 | 107-109 | 303' To 315' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 27-07 | 107-109 | 315' To 330' | C.S. | 1601 | 30 | 1 | 29 | 1606 | — | — | P — | — | HL |
| 27-07 | 107-109 | 330' To 345' END | C.S. | 1607 | 30 | 0 | 30 | 1613 | — | — | P — | — | HL |
| * 27-07 | 89-91 | 52' To 139' | JM | 1603 | 30 | 0 | 30 | 1608 | — | — | P — | — | HL |
| 29-07 | 109-115 | 0' To 107' | JM | 1140 | 30 | 0 | 30 | 1145 | — | — | P — | — | HL |
| 04 29-08 HL | 109-115 | 107' To 119' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 109-115 | 119' To 225' | JM | 1030 | 30 | 0 | 30 | 1035 | — | — | P — | — | HL |
| 02-08 | 109-115 | 225' To 237' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 109-115 | 237' To 298' | C.S. | 0945 | 30 | 0 | 30 | 0950 | — | — | P — | — | HL |
| 02-08 (15) | 109-115 | 298' To 310' | SAL | | | | | | 0 | — | P — | Ext. | HL |

NOTES: * Panel 89-91 - Cut out - Reseamed - New Air Test - Due To a Washout Repair

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TOWN OF HUNTINGTON

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 29-07 | 109-115 | 310' To 362' (END) | C.S. | 0920 | 30 | 1 | 29 | 0925 | — | — | P — | — | HL |
| 29-07 | 115-116 | 0' To 103' | JM | 1237 | 30 | 0 | 30 | 1242 | — | — | P — | — | HL |
| 02-8 | 115-116 | 103' To 115' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 115-116 | 115' To 221' | JM | 1105 | 31 | 1 | 30 | 1110 | — | — | P — | — | HL |
| 04-08 | 115-116 | 221' To 233' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 115-116 | 233' To 291' | C.S. | 0955 | 30 | 0 | 30 | 1000 | — | — | P — | — | HL |
| 04-08 | 115-116 | 291' To 303' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 115-116 | 303' To 368' (END) | C.S. | 0930 | 30 | 1 | 29 | 0935 | — | — | P — | — | HL |
| 29-07 | 116-117 | 0' To 25' | JM | 1250 | 30 | 0 | 30 | 1255 | — | — | P — | — | HL |
| 29-07 | 116-117 | 25' To 100' | JM | 1251 | 30 | 0 | 30 | 1256 | — | — | P — | — | HL |
| 04-08 | 116-117 | 100' To 112' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 116-117 | 112' To 220' | JM | 1125 | 32 | 1 | 31 | 1130 | — | — | P — | — | HL |
| 04-08 | 116-117 | 220' To 232' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 29-07 | 116-117 | 232' To 291' | C.S. | 1103 | 31 | 1 | 30 | 1108 | — | — | P — | — | HL |
| 04 (15)-08 | 116-117 | 291' To 303' | SAL | | | | | | 0 | — | P — | Ext. | HL |

NOTES:

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TOWN OF HUNTINGTON

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| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29-07 | 116-117 | 303' To 381' END | C.S. | 1110 | 30 | 2 | 28 | 1115 | — | — | P / — | — | HL |
| — | ~~113-117~~ | ~~381' To 408'~~ | Void | ENTRY | — | — | — | — | — | — | ~~P~~ / — | — | HL |
| 29-07 | 117-118 | 0' To 102' | JM. | 1420 | 33 | 1 | 32 | 1425 | — | — | P / — | — | HL |
| 07-08 | 117-118 | 102' To 114' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 29-07 | 117-118 | 114' To 225' | JM. | 1450 | 30 | 0 | 30 | 1455 | — | — | P / — | — | HL |
| 07-08 | 117-118 | 225' To 237' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 29-07 | 117-118 | 237' To 257' | C.S. | 1412 | 30 | 0 | 30 | 1417 | — | — | P / — | — | HL |
| 29-07 | 117-118 | 257' To 297' | C.S. | 1410 | 30 | 2 | 28 | 1415 | — | — | P / — | — | HL |
| 07-08 | 117-118 | 297' To 309' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 29-07 | 117-118 | 309' To 370' END | C.S. | 1342 | 30 | 0 | 30 | 1347 | — | — | P / — | — | HL |
| 31-07 | 118-119 | 0' To 85' | C.S. | 1131 | 30 | 1 | 29 | 1136 | — | — | P / — | — | HL |
| 31-07 | 118-119 | 85' To 105' | C.S. | 1125 | 28 | 0 | 28 | 1130 | — | — | P / — | — | HL |
| 31-07 | 118-119 | 105' To 117' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 31-07 | 118-119 | 117' To 236' | C.S. | 1130 | 30 | 2 | 28 | 1135 | — | — | P / — | — | HL |
| 07-08 (15) | 118-119 | 236' To 244' | SAL | | | | | | 0 | — | P / — | EXT. | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 31 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: seam must hold 25-30 psi For 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 31-07 | 118-119 244' | To 305' | L.K. | 1121 | 30 | 1 | 29 | 1126 | — | — | P / F | — | HL |
| 07-08 | 118-119 305' | To 317' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 31-07 | 118-119 317' | To 350' END | C.S. | 1127 | 30 | 0 | 30 | 1132 | — | — | P / F | — | HL |
| 31-07 | 118-119 350' | To 375' END | C.S. | 1120 | 30 | 0 | 30 | 1125 | — | — | P / F | — | HL |
| 31-07 | 120-123 0' | To 46' | JM | 1700 | | 30 | 30 | 1705 | — | — | P / F | — | HL |
| 31-07 | 120-121 46' | To 87' | JM | 1425 | 30 | 1 | 29 | 1430 | — | — | P / F | — | HL |
| 04-08 | 120-121 87' | To 99' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 31-07 | 120-121 99' | To 109' | J.M. | 1455 | 29 | 1 | 28 | 1500 | — | — | P / F | — | HL |
| 04-08 | 120-121 109' | To 124' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 31-07 | 120-121 124' | To 152' | JM | 1518 | 30 | 1 | 29 | 1523 | — | — | P / F | — | HL |
| 07-08 | 120-121 152' | To 162' | SAL | | | | | | 0 | — | P / F | Cap | HL |
| 31-07 | 120-121 162' | To 175' | C.S. | 1520 | 30 | 0 | 30 | 1525 | — | — | P / F | — | HL |
| 31-07 | 120-121 175' | To 238' | C.S. | 1505 | 30 | 1 | 29 | 1510 | — | — | P / F | — | HL |
| 02-08 | 120-121 238' | To 250' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 31-07 (15) | 120-121 250' | To 318' END | C.S. | 1550 | 30 | 1 | 29 | 1555 | — | — | P / F | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 31 day 07 month 1995 year

CONTRACTOR: Gundle — TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with ≤ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31-07 | 121-123 Butt | 0'-22' END | JM | 1705 | 29 | 1 | 28 | 1710 | — | — | P / F | — | HL |
| 31-07 | 122-123 | 0'-26' END | JM | 1713 | 32 | 1 | 31 | 1718 | — | — | P / F | — | HL |
| 31-07 | 121-122 0' | To 109' | JM | 1712 | 31 | 1 | 30 | 1717 | — | — | P / F | — | HL |
| 04-08 | 121-122 109' | To 121' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 01-8 | 121-122 121' | To 208' | JM | 0810 | 30 | 2 | 28 | 0815 | — | — | P / F | — | HL |
| 31-07 | 121-122 208' | To 220' | | | | | | | 0 | — | P / F | Ext. | HL |
| 01-08 | 121-122 220' | To 262' | C.S. | 0800 | 31 | 0 | 31 | 0805 | — | — | P / F | — | HL |
| 01-08 | 121-122 262' | To 305' END | C.S. | 0814 | 30 | 1 | 29 | 0819 | — | — | P / F | — | HL |
| 31-08 | 122-124 | 0'-25' END | JM | 1725 | 31 | 1 | 30 | 1730 | — | — | P / F | — | HL |
| 31-08 | 122-124 25' | To 31' | SAL | | | | | | 0 | — | P / F | Ext | HL |
| 07-08 | 122-125 31' | To 37' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 01-08 | 122-125 37' | To 150' | C.S | 0802 | 30 | 0 | 30 | 0807 | — | — | P / F | — | HL |
| 07-08 | 122-125 150' | To 162' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 01-08 | 122-125 162' | To 253' END | C.S. | 0733 | 30 | 0 | 30 | 0738 | — | — | P / F | — | HL |
| 01-08 (13) | 125-126 0' | To 85' | JM | 0800 | 31 | 0 | 31 | 0805 | — | — | P / F | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: ____ day ____ month ____ year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | START PRES. | Δ PRES. (psi) | STOP PRES. | STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07-08 | 125-126 85' | To 97' END | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 01-08 | 125-126 97' | To 200 | C.S. | 0745 | 31 | 1 | 30 | 0750 | — | — | P / — | — | HL |
| 01-08 | 126-127 0' | To 38' | C.S. | 1134 | 31 | 1 | 30 | 1139 | — | — | P / — | — | HL |
| 07-08 | 126-127 38' | To 50' END | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 01-08 | 126-127 50' | To 162' | C.S. | 1310 | 30 | 1 | 29 | 1315 | — | — | P / — | — | HL |
| 01-08 | 127-128 0' | To 58' | C.S. | 1311 | 30 | 1 | 29 | 1316 | — | — | P / — | — | HL |
| 07-08 | 127-128 58' | To 70' END | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 01-08 | 127-128 70' | To 115' | C.S. | 1312 | 30 | 1 | 29 | 1317 | — | — | P / — | — | HL |
| 07-08 | 128-129 | 0' To 10' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 07-08 | 128-129 10' | To 22' END | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 01-08 | 128-129 22' | To 37' | C.S. | 1314 | 31 | | 30 | 1319 | — | — | P / — | — | HL |
| 07-08 | 128-130 | 0' To 15' END | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 07-08 | 129-130 | 0' To 15' END | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| ~~—~~ | ~~Jo-b 125 119 0'~~ | ~~To 2~~ | — | — | — | — | — | — | — | — | P / — | — | HL |
| 01-08 (15) | 103-Cap 4' | To 42' | JM | 1041 | 30 | 1 | 29 | 1046 | ← | — | P / — | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 01 day 08 month 1995 year

CONTRACTOR: GunDic TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≯ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 01-08 | 104-Cap 4' | To 42' | JM | 1040 | 30 | 0 | 30 | 1045 | — | — | P / F | — | HL |
| 07-08 | 120-131 0' | To 50' | JM | 1055 | 30 | 1 | 29 | 1100 | — | — | P / F | — | HL |
| 01-08 | 120-131 50' | To 75' | C.S. | 1602 | 30 | 2 | 28 | 1607 | — | — | P / F | — | HL |
| 01-08 | 120-131 75' | To 102' | C.S. | 1600 | 30 | 1 | 29 | 1605 | — | — | P / F | — | HL |
| 01-08 | 120-131 102' | To 115' | C.S. | 1555 | 30 | 0 | 30 | 1600 | — | — | P / F | — | HL |
| 04-08 | 120-131 115' | To 127' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 01-08 | 120-131 127' | To 242' | C.S. | 1540 | 30 | 1 | 29 | 1545 | — | — | P / F | — | HL |
| 02-08 | 120-131 242' | To 254' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 01-08 | 120-131 254' | To 320' END | C.S. | 1529 | 30 | 2 | 28 | 1534 | — | — | P / F | — | HL |
| 02-08 | 131-132 72'2" | To 114' | JM | 0927 | 30 | 0 | 30 | 0932 | — | — | P / F | — | HL |
| 07-08 | 131-132 114' | To 128' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 02-08 | 131-132 128' | To 246' | JM | 0935 | 31 | 1 | 30 | 0940 | — | — | P / F | — | HL |
| 07-08 | 131-132 246' | To 258' | SAL | | | | | | 0 | — | P / F | Ext. | HL |
| 02-08 | 131-132 258' | To 317' END | C.S. | 0910 | 30 | 1 | 29 | 0915 | — | — | P / F | — | HL |
| 07(15)-08 | 138-137 6' | To 23' | SAL | | | | | | 0 | — | P / F | Ext. | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 02 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Carp Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02-08 | 138-137 23' | To 73' END | C.S. | 1513 | 30 | 0 | 30 | 1518 | — | — | P / — | — | HL |
| 07-08 | 137-136 0' | To 47' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 07-08 | 137-136 47' | To 79' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 02-08 | 137-136 79' | To 125' END | C.S. | 1500 | 30 | 1 | 29 | 1505 | — | — | P / — | — | HL |
| 02-08 | 136-133 0' | To 114' | JM | 1315 | 30 | 1 | 29 | 1320 | — | — | P / — | — | HL |
| 07-08 | 136-133 114' | To 128' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 02-08 | 136-133 128' | To 176' END | JM | 1310 | 30 | 1 | 29 | 1315 | — | — | P / — | — | HL |
| 03-08 | 133-139 0' | To 53' | JM | 0950 | 30 | 0 | 30 | 0955 | — | — | P / — | — | HL |
| 07-08 | 133-139 53' | To 45' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 03-08 | 133-139 45' | To 180' | JM | 1500 | 30 | 1 | 29 | 1505 | — | — | P / — | — | HL |
| 07-08 | 133-139 180' | To 192' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 03-08 | 133-139 192' | To 238' END | K.S. | 1434 | 30 | 0 | 30 | 1439 | | | P / — | — | HL |
| 03-08 | 139-140 0' | To 95' | JM | 1025 | 32 | 0 | 32 | 1030 | — | — | P / — | — | HL |
| 07-08 | 139-140 95' | To 107' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 03-08 | 139-140 107' | To 219' | KS | 1530 | 30 | 0 | 30 | 1535 | — | — | P / — | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 07 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07-08 | 139-140 219' | To 231' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 03-08 | 139-140 231' | To 275' END | KS | 1432 | 30 | 0 | 30 | 1437 | — | — | P - | — | HL |
| 03-08 | 140-141 0' | To 125' | JM | 1105 | 33 | 1 | 32 | 1110 | — | — | P - | — | HL |
| 10-08 | 140-141 125' | To 137' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 03-08 | 140-141 137' | To 246' | KS | 1450 | 30 | 0 | 30 | 1455 | — | — | P - | — | HL |
| 10-08 | 140-141 246' | To 258' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 03-08 | 140-141 258' | To 292' END | KS JM | 1430 | 30 | 0 | 30 | 1435 | — | — | P - | — | HL |
| 03-08 | 141-142 0' | To 129' | JM | 1250 | 32 | 0 | 32 | 1255 | — | — | P - | — | HL |
| 10-08 | 141-142 129' | To 151' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 03-08 | 141-142 151' | To 246' | KS | 1420 | 30 | 1 | 29 | 1425 | — | — | P - | — | HL |
| 10-08 | 141-142 246' | To 261' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 03-08 | 141-142 261' | To 298' END | KS | 1428 | 30 | 1 | 29 | 1433 | — | — | P - | — | HL |
| 03-08 | 142-143 0' | To 40' | JM | 1619 | 32 | 0 | 32 | 1624 | — | — | P - | — | HL |
| 03-08 | 142-143 40' | To 85' | JM | 1613 | 31 | 1 | 30 | 1618 | — | — | P - | — | HL |
| 03-08 | 142-143 85' | To 101' | JM | 1612 | 33 | 1 | 32 | 1617 | — | — | P - | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 03 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 03-08 | 142-143 | 101' | To 110' | JM | 1610 | 31 | 1 | 30 | 1615 | — | — | Y / - | — | HL |
| 03-08 | 142-143 | 110' | To 125' | JM | 1605 | 30 | 0 | 30 | 1610 | — | — | Y / - | — | HL |
| 10-08 | 142-143 | 125' | To 145' | SAL | | | | | | 0 | — | Y / - | Ext. | H.L. |
| 03-08 | 142-143 | 145' | To 178' | C.S. | 1633 | 31 | 1 | 30 | 1638 | — | — | Y / - | — | H.L. |
| 03-08 | 142-143 | 178' | To 205' | C.S. | 1629 | 30 | 0 | 30 | 1634 | — | — | Y / - | — | H.L. |
| 03-08 | 142-143 | 205' | To 225' | C.S. | 1632 | 30 | 2 | 28 | 1637 | — | — | Y / - | — | H.L. |
| 03-08 | 142-143 | 225' | To 249' | C.S. | 1625 | 30 | 0 | 30 | 1630 | — | — | Y / - | — | H.L. |
| 10-08 | 142-143 | 249' | To 261' END | SAL | | | | | | 0 | — | Y / - | Ext. | H.L. |
| 03-08 | 142-143 | 261' | To 293' | CS | 1610 | 30 | 1 | 29 | 1615 | — | — | Y / - | — | H.L. |
| — | ~~145-147~~ | 0' | To | Void | Entry | H.L. | — | — | — | — | — | ~~Y / -~~ | — | H.L. |
| 01-08 | 94-Cap | 40' | To 65' | J.M. | 1444 | 31 | 0 | 31 | 1449 | — | — | Y / - | — | H.L. |
| 01-08 | 94-Cap | 65' | To 115' | J.M. | 1315 | 30 | 0 | 30 | 1320 | — | — | Y / - | — | H.L. |
| 01-08 | 97-Cap | 35' | To 65' | JM | 1431 | 30 | 0 | 30 | 1436 | — | — | Y / - | — | H.L. |
| 01-08 | 97-Cap | 65' | To 115' | JM | 1330 | 30 | 1 | 29 | 1335 | — | — | Y / - | — | H.L. |
| 04 (15) 08 | 143-147 | 0' | To 131' | JM | 0935 | 30 | 0 | 30 | 0940 | — | — | Y / - | — | H.L. |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 04 day 08 month 1995 year

CONTRACTOR: Gundle — TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 10-08 | 143-147 | 131' To 143' | SAL | — | | | | | 0 | — | Y / — | Ext. | HL |
| 04-08 | 143-147 | 143' To 250' | KS | 1000 | 30 | 0 | 30 | 1005 | — | — | Y / — | — | HL |
| 10-08 | 143-147 | 250' To 262' End | SAL | — | | | | | 0 | — | Y / — | Ext. | HL |
| 04-08 | 143-147 | 262' To 286' | KS | 1010 | 30 | 1 | 29 | 1015 | — | — | Y / — | — | HL |
| 04-08 | 147-148 | 2' To 87' | JM | 1025 | 30 | 2 | 28 | 1030 | — | — | Y / — | — | HL |
| 04-08 | 147-148 | 87' To 129' | JM | 1020 | 30 | 0 | 30 | 1025 | — | — | Y / — | — | HL |
| 11-08 | 147-148 | 129' To 141' | Sal | — | | | | | 0 | — | Y / — | Ext. | HL |
| 04-08 | 147-148 | 141' To 250' | KS | 1030 | 30 | 0 | 30 | 1035 | — | — | Y / — | — | HL |
| 11-08 | 147-148 | 250' To 262' End | SAL | — | | | | | 0 | — | Y / — | Ext | HL |
| 04-08 | 147-148 | 262' To 286' | K.O. | 0955 | 30 | 1 | 29 | 1000 | — | — | Y / — | — | HL |
| 04-08 | 148-149 | 4' To 127' | JM | 1032 | 30 | 1 | 29 | 1037 | — | — | Y / — | — | HL |
| 11-08 | 148-149 | 127' To 139' | SAL | — | | | | | 0 | — | Y / — | Ext. | HL |
| 04-08 | 148-149 | 139' To 253' | KS | 1030 | 30 | 0 | 30 | 1035 | — | — | Y / — | — | HL |
| 11-08 | 148-149 | 253' To 265' End | SAL | — | | | | | 0 | — | Y / — | Ext. | HL |
| 04-08 (15) | 148-149 | 265' To 284' | K.O. | 1000 | 29 | 1 | 28 | 1015 | — | — | Y / — | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 04 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 11-08 | 149-150 | 0' | To 49' | SAL | | | | | | 0 | - | Y - | Cap Ext. | HL |
| 04-08 | 149-150 | 49' | To 60' | JM | 1250 | 30 | 0 | 30 | 1255 | - | - | Y - | — | HL |
| 04-08 | 149-150 | 60' | To 87' | JM | 1232 | 31 | 1 | 30 | 1237 | - | - | Y - | — | HL |
| 04-08 | 149-150 | 87' | To 100' | JM | 1440 | 30 | 0 | 30 | 1445 | - | - | Y - | — | HL |
| 04-08 | 149-150 | 100' | To 136' | JM | 1433 | 30 | 0 | 30 | 1438 | - | - | Y - | — | HL |
| 11-08 | 149-150 | 136' | To 148' | SAL | | | | | | 0 | - | Y - | Ext. | HL |
| 04-08 | 149-150 | 148' | To 253' | KO | 1045 | 30 | 0 | 30 | 1050 | - | - | Y - | — | HL |
| 11-08 | 149-150 | 253' | To 265' | SAL | | | | | | 0 | - | Y - | Ext. | HL |
| 04-08 | 149-150 | 265' | To 285' END | K.O. | 1025 | 30 | 0 | 30 | 1030 | - | - | Y - | — | HL |
| 04-08 | 150-152 | 163 | To 187' | C.S. | 1534 | 30 | 0 | 30 | 1539 | - | - | Y - | — | HL |
| 04-08 | 150-152 | 187 | To 212' | C.S. | 1532 | 30 | 1 | 29 | 1537 | - | - | Y - | — | HL |
| 04-08 | 150-152 | 212' | To 254' | C S | 1530 | 30 | 2 | 28 | 1535 | - | - | Y - | — | HL |
| 10-08 | 150-152 | 254' | To 266' | SAL | | | | | | 0 | - | Y - | Ext. | HL |
| 04-08 | 150-152 | 266' | To 287' END | KO | 1440 | 29 | 0 | 29 | 1445 | - | - | Y - | — | HL |
| 04-08 | 151-152 | 0' | To 60' | C.S. | 1522 | 31 | 1 | 30 | 1527 | - | - | Y - | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 04 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 04-08 | 151-152 40' | To 71' | C.S. | 1520 | 30 | 0 | 30 | 1525 | — | — | P / - | — | HL |
| 10-08 | 151-152 91' | To 103' | SAL | — | | | | — | 0 | — | P / - | Ext. | HL |
| 04-08 | 151-152 103' | To 127' END | K.O. | 1444 | 30 | 1 | 29 | 1449 | — | — | P / - | — | HL |
| 04-08 | 151-153 280' END | To 256' | KO | 1450 | 30 | 1 | 29 | 1455 | — | — | P / - | — | HL |
| 10-08 | 151-153 256' | To 244' | SAL | — | | | | — | 0 | — | P / - | Ext. | HL |
| 04-08 | 151-153 244' | To 212' | CS | 1506 | 30 | 0 | 30 | 1511 | — | — | P / - | — | HL |
| 04-08 | 151-153 212' | To 178' | CS | 1512 | 30 | 2 | 28 | 1517 | — | — | P / - | — | HL |
| 04-08 | 151-153 178' | To 153' | CS | 1541 | 30 | 1 | 29 | 1546 | — | — | P / - | — | HL |
| 04-08 | 151-153 153' | To 148' | CS | 1543 | 30 | 0 | 30 | 1548 | — | — | P / - | — | HL |
| 10-08 | 151-153 148' | To 134' | SAL | — | | | | — | 0 | — | P / - | Ext. | HL |
| 04-08 | 151-153 134' | To 85' | C.S. | 1550 | 30 | 1 | 29 | 1555 | — | — | P / - | — | HL |
| 04-08 | 151-153 85' | To 0' END | CS | 1555 | 31 | 1 | 30 | 1600 | — | — | P / - | — | HL |
| 10-08 | 150-151 148' | To 158' | SAL | — | | | | — | 0 | — | P / - | Ext | HL |
| 10-08 | 150-151 158' | To 141' | SAL | — | | | | — | 0 | — | P / - | Ext. | HL |
| 04-08 (15) | 150-151 141' | To 120' | SM | 1440 | 30 | 0 | 30 | 1445 | — | — | P / - | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 04 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 04-08 | 150-151 | 120' | To 75' | JM | 1430 | 30 | 0 | 30 | 1435 | — | — | P / — | — | HL |
| 04-08 | 150-151 | 75' | To 30' | JM | 1425 | 31 | 0 | 31 | 1430 | — | — | P / — | — | HL |
| 04-08 | 150-151 | 30' | To 12' | JM | 1423 | 30 | 0 | 30 | 1428 | — | — | P / — | — | HL |
| 04-08 | 150-151 | 12' | To 0' | JM | 1510 | 30 | 0 | 30 | 1515 | — | — | P / — | — | HL |
| 08-08 | 153-154 | 0' | To 139' | J.M. | 0940 | 33 | 0 | 33 | 0945 | — | — | P / — | — | HL |
| 14-08 | 153-154 | 139' | To 151' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 08-08 | 153-154 | 151' | To 245' | C.S. | 0948 | 30 | 1 | 29 | 0948 | — | — | P / — | — | HL |
| 14-08 | 153-154 | 245' | To 257' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 08-08 | 153-154 | 257' | To 287' END | KO | 0930 | 30 | 1 | 29 | 0935 | — | — | P / — | — | HL |
| 08-08 | 154-155 | 0' | To 131' | JM | 1050 | 32 | 0 | 32 | 1055 | — | — | P / — | — | HL |
| 14-08 | 154-155 | 131' | To 155' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 08-08 | 154-155 | 155' | To 180' | L.K. | 1104 | 29 | 1 | 28 | 1111 | — | — | P / — | — | HL |
| 08-08 | 154-155 | 180' | To 200' | C.S. | 1040 | 30 | 0 | 30 | 1045 | — | — | P / — | — | HL |
| 08-08 | 154-155 | 200' | To 248' | C.S. | 1105 | 30 | 1 | 29 | 1110 | — | — | P / — | — | HL |
| 14 (15) 08 | 154-155 | 248' | To 260' | SAL | | | | | | 0 | — | P / — | Ext. | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 08 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 08-08 | 154-155 240' | To 293' END. | KO | 1010 | 30 | 0 | 30 | 1015 | — | — | P / - | — | H.L. |
| 08-08 | 155-156 0' | To 20' | JM | 1238 | 30 | 1 | 29 | 1243 | — | — | P / - | — | H.L. |
| 08-08 | 155-156 20' | To 60' | JM | 1240 | 30 | 0 | 30 | 1245 | — | — | P / - | — | H.L. |
| 08-08 | 155-156 60' | To 90' | JM | 1446 | 30 | 0 | 30 | 1451 | — | — | P / - | — | H.L. |
| 08-08 | 155-156 90' | To 130' | JM | 1443 | 31 | 1 | 30 | 1448 | — | — | P / - | — | H.L. |
| 15-08 | 155-156 130' | To 142' | SAL | | | | | | 0 | — | P / - | Ext. | H.L. |
| 08-08 | 155-156 142' | To 243' | B.S. | 1145 | 30 | 2 | 28 | 1150 | — | — | P / - | — | H.L. |
| 15-08 | 155-156 243' | To 255' | SAL | | | | | | 0 | — | P / - | Ext. | H.L. |
| 08-08 | 155-156 255' | To 275' | L.K. | 1142 | 30 | 0 | 30 | 1147 | — | — | P / - | — | H.L. |
| 08-08 | 155-156 275' | To 295' END. | L.K. | 1143 | 30 | 1 | 29 | 1148 | — | — | P / - | — | H.L. |
| 08-08 | 156-157 0' | To 140' | JM | 1330 | 30 | 1 | 29 | 1335 | — | — | P / - | — | H.L. |
| 15-08 | 156-157 140' | To 152' | SAL | | | | | | 0 | — | P / - | Ext. | H.L. |
| 08-08 | 156-157 152' | To 245' | L.K. | 1430 | 30 | 1 | 29 | 1435 | — | — | P / - | — | H.L. |
| 15-08 | 156-157 245' | To 257' | SAL | | | | | | 0 | — | P / - | Ext. | H.L. |
| 08-08 (15) | 156-157 257' | To 298' END. | L.K. | 1433 | 30 | 1 | 29 | 1438 | — | — | P / - | — | H.L. |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 08 day 08 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≤ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 08-08 | 157-158 | 0' | To 12' | J.M. | 1416 | 33 | 1 | 32 | 1421 | – | – | P / – | – | HL |
| 08-08 | 157-158 | 12' | To 75' | JM | 1429 | 31 | 0 | 31 | 1434 | – | – | P / – | – | HL |
| 08-08 | 157-158 | 75' | To 130' | JM | 1428 | 32 | 0 | 32 | 1433 | – | – | P / – | – | HL |
| 08-08 | 157-158 | 130' | To 143' | JM | 1440 | 33 | 0 | 33 | 1445 | – | – | P / – | – | HL |
| 15-08 | 157-158 | 143' | To 155' | SAL | | | | | | 0 | – | P / – | Ext. | HL |
| 08-08 | 157-158 | 155' | To 240' | L.K. | 1439 | 30 | 2 | 28 | 1444 | – | – | P / – | – | HL |
| 15-08 | 157-158 | 240' | To 252' | SAL | | | | | | 0 | – | P / – | Ext. | HL |
| 08-08 | 157-158 | 252' | To 290' | L.K. | 1425 | 30 | 1 | 29 | 1430 | – | – | P / – | – | HL |
| 08-08 | 157-158 | 290' | To 300' END | L.K | 1427 | 30 | 0 | 30 | 1432 | – | – | P / – | – | HL |
| 08-08 | 158-159 | 0' | To 32' | J.M. | 1535 | 30 | 0 | 30 | 1540 | – | – | P / – | – | HL |
| 08-08 | 158-159 | 32' | To 50' | J.M. | 1537 | 31 | 1 | 30 | 1542 | – | – | P / – | – | HL |
| 08-08 | 158-159 | 50' | To 78' | J.M. | 1541 | 33 | 1 | 32 | 1546 | – | – | P / – | – | HL |
| 08-08 | 158-159 | 78' | To 121' | J.M. | 1548 | 32 | 1 | 31 | 1553 | – | – | P / – | – | HL |
| 15-08 | 158-159 | 121' | To 143' | SAL | | | | | | 0 | – | P / – | Ext. | HL |
| 15-08 | 158-159 | 143' | To 156' | SAL | | | | | | 0 | – | P / – | Ext. | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 08 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 08-08 | 158-159 156' | To 240' | L.K. | 1515 | 29 | 0 | 29 | 1520 | — | — | P — | — | HL |
| 15-08 | 158-159 240' | To 252' END | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 08-08 | 158-159 252' | To 300' | L.K. | 1513 | 29 | 1 | 28 | 1518 | — | — | P — | — | HL |
| 08-08 | 159-160 0' | To 12' | JM | 1620 | 29 | 1 | 28 | 1625 | — | — | P — | — | HL |
| 08-08 | 159-160 12' | To 113' | J.M | 1624 | 32 | 1 | 31 | 1631 | — | — | P — | — | HL |
| 15-08 | 159-160 113' | To 131' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 08-08 | 159-160 131' | To 240' | L.K. | 1625 | 30 | 0 | 30 | 1630 | — | — | P — | — | HL |
| 15-08 | 159-160 240' | To 252' END | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 08-08 | 159-160 252' | To 300' | L.K. | 1615 | 30 | 1 | 29 | 1620 | — | — | P — | — | HL |
| 08-08 | 160-161 0' | To 121' | J.M. | 1715 | 31 | 1 | 30 | 1720 | — | — | P — | — | HL |
| 15-08 | 160-161 121' | To 133' | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 08-08 | 160-161 133' | To 239' | L.K | 1709 | 30 | 1 | 29 | 1714 | — | — | P — | — | HL |
| 15-08 | 160-161 239' | To 251' END | SAL | | | | | | 0 | — | P — | Ext. | HL |
| 08-08 | 160-161 251' | To 305' | L.K. | 1708 | 30 | 1 | 29 | 1713 | — | — | P — | — | HL |
| 08-08 | 161-162 END 305' | To 249' | L.K. | 1807 | 29 | 0 | 29 | 1812 | — | — | P — | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 08 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 15-08 | 161-162 249 | To 237' | SAL | — | | | | | 0 | — | Y \| - | ExT. | HL |
| 08-08 | 161-162 237' | To 133' | L.K. | 1802 | 31 | 3 | 28 | 1807 | — | — | Y \| - | — | HL |
| 15-08 | 161-162 133' | To 121' | SAL | — | | | | | 0 | — | Y \| - | ExT. | HL |
| 08-08 | 161-162 121' | To 0' | J.M. | 1700 | 30 | 0 | 30 | 1705 | — | — | Y \| - | — | HL |
| 10-08 | 162-163 0' | To 73' | J.M. | 0940 | 29 | 1 | 28 | 0945 | — | — | Y \| - | — | HL |
| 10-08 | 162-163 73' | To 118' | J.M. | 0935 | 30 | 1 | 29 | 0940 | — | — | Y \| - | — | HL |
| 15-08 | 162-163 118' | To 131' | SAL | — | | | | | 0 | — | Y \| - | ExT. | HL |
| 10-08 | 162-163 131' | To 234' | L.K. | 1000 | 29 | 1 | 28 | 1005 | — | — | Y \| - | — | HL |
| 15-08 | 162-163 234' | To 246' END | SAL | — | | | | | 0 | — | Y \| - | ExT. | HL |
| 10-08 | 162-163 246' | To 305' | L.K. | 1008 | 30 | 0 | 30 | 1013 | — | — | Y \| - | — | HL |
| 10-08 | 163-164 0' | To 65' | J.M. | 1350 | 31 | 1 | 30 | 1355 | — | — | Y \| - | — | HL |
| 10-08 | 163-164 65' | To 78' | JM | 1351 | 30 | 1 | 29 | 1356 | — | — | Y \| - | — | HL |
| 10-08 | 163-164 78' | To 100' | JM | 1355 | 33 | 1 | 32 | 1400 | — | — | Y \| - | — | HL |
| 16-08 | 163-164 100' | To 130' | SAL | — | | | | | 0 | — | Y \| - | ExT. | HL |
| 10-08 (15) | 163-164 130' | To 230' | L.K. | 1140 | 30 | 1 | 29 | 1145 | — | — | Y \| - | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 9 day 8 month 95 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: 5MIN. WITH >4 P.S.I. DROP

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 09-08 | 26R/27 160'TO 262' | 102 | J.M. | 11:11 | 28 | 28 | 0 | 11:14 | — | — | — F | CAP SEAM | KFD |
| 09-08 | 25R/26R 161'TO259' | 98 | J.M. | 11:16 | 29 | 29 | 0 | 11:21 | — | — | — F | CAP SEAM | KFD |
| 09-08 | 24R/25R 161'TO258' | 97 | J.M. | 11:26 | 30 | 30 | 0 | 11:35 | — | — | — F | CAP SEAM | KFD |
| 09-08 | 23R/24R 163'TO261' | 98 | J.M. | 11:45 | 30 | 30 | 0 | 11:50 | — | — | — F | CAP FAILURES | KFD |
| 09-08 | 22R/23R 164'TO260' | 96 | J.M. | 12:36 | 29 | 1 | 28 | 12:41 | — | — | P — | — | KFD |
| 09-08 | 21/22R 163'TO261 | 98 | J.M. | 12:40 | 29 | 1 | 28 | 12:45 | — | — | P — | — | KFD |
| 09-08 | 26R/26 HORIZONTAL JOINT 159 | 22 | J.M. | 13:06 | 30 | 0 | 30 | 13:11 | — | — | P — | — | KFD |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | |

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 day 8 month 95 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: 5 MIN. WITH >4PSI. DROP

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 10-08 | CAP/27 161-257 | 96 | J.M | 08:50 | 30 | 30 | 0 | 08:55 | — | — | — F | FIND LEAK & RETEST | KFD |
| 10-08 | CAP/27 161-181 | 20 | J.M | 09:05 | 30 | 0 | 30 | 09:10 | — | — | P — | — | KFD |
| 10-08 | CAP/27 181-257 | 76 | J.M | 09:12 | 29 | 0 | 29 | 09:17 | — | — | P — | — | KFD |
| 10-08 | 26R/CAP 161-257 | 96 | J.M | 08:52 | 29 | 0 | 29 | 08:57 | — | — | P — | — | KFD |
| 10-08 | CAP/26R 161-253 | 92 | J.M | 09:08 | 30 | 1 | 29 | 09:13 | — | — | P — | — | KFD |
| 10-08 | 25R/CAP 161-253 | 92 | J.M | 09:15 | 30 | 0 | 30 | 09:20 | — | — | P — | — | KFD |
| 10-08 | CAP/25R 175-247 | 72 | J.M | 09:21 | 30 | 1 | 29 | 09:26 | — | — | P — | — | KFD |
| 10-08 | 24R/CAP 175-247 | 72 | J.M | 09:27 | 30 | 0 | 30 | 09:32 | — | — | P — | — | KFD |
| 10-08 | 23R/24R 163-233 | 70 | J.M | 09:32 | 30 | 0 | 30 | 09:35 | — | — | P — | — | KFD |
| 10-08 | CAP 24/24R 233-259 | 26 | J.M | 09:36 | 29 | 1 | 28 | 09:41 | — | — | P — | — | KFD |
| 10-08 | 23R/CAP 233-259 | 26 | J.M | 09:42 | 30 | 1 | 29 | 09:47 | — | — | P — | — | KFD |
| 10-08 | 26R/27 257-280 | 23 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 26R/26 HORIZONTAL | 22 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 25R/26R | ~~25~~ KFD | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 (15) | 24R/25R | 31 | BS | — | — | — | — | — | 6 | — | P — | — | KFD |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 8 month 95 year

CONTRACTOR: GUNDLE — TEST REQUIREMENTS: 5 MIN. WITH 7 P.S.I. DROP

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 MIL YLDPE GEOMEMBRANE

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 10-08 | 25R/25R 258 278 HORIZONTAL | 12 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 25R/25 278 HORIZONTAL | 22 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 24R/24 278 HORIZONTAL | 22 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 23R/29R 259-278 | 19 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 23R/23 276 HORIZONTAL | 22 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 22R/23R 260-278 | 18 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 22R/22 278 HORIZONTAL | 22 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |
| 10-08 | 21/22R 260-278 | 18 | BS | — | — | — | — | — | 0 | — | P — | — | KFD |

(15)

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day 8 month 95 year

CONTRACTOR: KEY GUNDLE TEST REQUIREMENTS: 5MIN, WITH >4 P.S.I. DROP

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 11-08 | 26R/27 154-160 | 6 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 25R/26R 154-160 | 6 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 25/25R 154 HORIZONTAL | 22 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 24R/25R 154-161 | 7 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 24/24R 154 HORIZONTAL | 22 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 23R/24R 154-163 | 9 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 23R/23 154 HORIZONTAL | 22 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 22R/23R 154-166 | 12 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 22/22R 154 HORIZONTAL | 22 | SN | — | — | — | — | — | 0 | — | P | — | KFD |
| 11-08 | 21/22R 154-176 | 22 | SN | — | — | — | — | — | 0 | — | P | — | KFD |

(15)

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 day Aug month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: INITIAL PRESS. OF 25-30psi. MAX. PRESS. LOSS 4psi AFTER 5MIN.

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 10/8 | Cap - R27 | 96' | SS | 1250 | 28 | 1 | 27 | 1255 | — | — | P | | GD |
| 10/8 | 26R - Cap | 96' | SS | 1337 | 28 | 1 | 27 | 1342 | — | — | P | | GD |
| 10/8 | Cap - 26R | 88' | JM | 1358 | 28 | 1 | 27 | 1403 | — | — | P | | GD |
| 10/8 | 25R - Cap | 88' | JM | 1458 | 28 | 2 | 26 | 1503 | — | — | P | | GD |
| 10/8 | Cap - 25R | 76' | JM | 1514 | 30 | 1 | 29 | 1519 | — | — | P | | GD |
| 10/8 | 24R - Cap | 76' | JM | 1525 | 30 | 1 | 29 | 1530 | — | — | P | | GD |
| 10/8 | 23R - 24R | 75' | SS | 7:28 | 28 | 2 | 26 | 7:33 | — | — | P | | GD |
| 11/8 | 22R - 23R | 96' | SS | 7:50 | 29 | 2 | 27 | 7:55 | — | — | P | | GD |
| 11/8 | 21 - 22R | 98' | SS | 1516 | 28 | 2 | 26 | 1521 | — | — | P | | GD |
| 11/8 | 26R - 27 | 5' | SS | 8:15 | 29 | 2 | 27 | 8:20 | — | — | P | | GD |
| 11/8 | 25R - 26R | 5' | SS | 8:40 | 28 | 1 | 27 | 8:45 | — | — | P | | GD |
| 11/9 | 23R - 24R | 16' | SS | 9:10 | 28 | 3 | 25 | 9:15 | — | — | P | | GD |
| 11/9 | 24R - 25R | 9' | SS | 9:40 | 29 | 2 | 27 | 9:45 | — | — | P | | GD |
| 11/8 | 26R - 27 above Swale D | 10' | JM | 7:25 | 28 | 1 | 27 | 7:30 | — | — | P | | GD |
| (15) 11/8 | 25R - 26R above Swale D | 7' | JM | 7:51 | 30 | 1 | 29 | 7:56 | — | — | P | | GD |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day Aug month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: 5 MIN. WITH >4 PSI DROP

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐ 40 mil VLDPE TEX.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 11/8 | 24R-25R above Swale D | 10' | JM | 8:32 | 30 | 2 | 28 | 8:37 | – | – | P | | GD |
| 11/8 | 25R-Cap above Swale D | 19' | JM | 9:05 | 28 | 1 | 27 | 9:10 | – | – | P | | GD |
| 11/8 | Cap-25 above Swale D | 19' | SS | 10:11 | 30 | 2 | 28 | 10:16 | – | – | P | | GD |
| 11/8 | 23R-24R | 10' | SS | 10:54 | 29 | 2 | 27 | 10:59 | – | – | P | | GD |
| 11/8 | 22R-23R | 10' | JM | 9:43 | 29 | 1 | 28 | 9:48 | – | – | P | | GD |
| 11/8 | 21-22R | 10' | SS | 11:27 | 30 | 1 | 29 | 11:32 | – | – | P | | GD |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 16 day 08 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 16-08 | 163-164 230' | To 245' | SAL | | | | | | 0 | — | P | Ext. | HL |
| 10-08 | 163-164 245' | To 285' | L.K. | 1131 | 30 | 1 | 29 | 1136 | — | — | P | — | HL |
| 10-08 | 163-164 285' | To 300' END | L.K. | 1130 | 29 | 1 | 28 | 1135 | — | — | P | — | HL |
| 16-08 | 164-165 0' | To 20' | SAL | | | | | | 0 | — | P | Ext. | HL |
| 10-08 | 164-165 20' | To 30' | J.M. | 1400 | 30 | 3 | 27 | 1405 | — | — | P | — | HL |
| 16-08 | 164-165 30' | To 50' | SAL | | | | | | 0 | — | P | Ext. | HL |
| 10-08 | 164-165 50' | To 100' | JM | 1455 | 30 | 0 | 30 | 1500 | — | — | P | — | HL |
| 16-08 | 164-165 100' | To 130' | SAL | | | | | | 0 | — | P | Ext. | HL |
| 10-08 | 164-165 130' | To 145' | L.K. | 1450 | 29 | 1 | 28 | 1455 | — | — | P | — | HL |
| 10-08 | 164-165 165' | To 229' | L.K. | 1448 | 30 | 2 | 28 | 1453 | — | — | P | — | HL |
| 16-08 | 164-165 229' | To 244' | SAL | | | | | | 0 | — | P | Ext. | HL |
| 10-08 | 164-165 244' | To 295' END | L.K. | 1435 | 30 | 0 | 30 | 1440 | — | — | P | — | HL |
| 10-08 | 165-166 0' | To 128' | JM. | 1533 | 30 | 1 | 29 | 1538 | — | — | P | — | HL |
| 16-08 | 165-166 128' | To 142' END | SAL | | | | | | 0 | — | P | Ext. | HL |
| 10-08 (15) | 167-165 142' | To 240' | S.S. | 1650 | 30 | 1 | 29 | 1655 | — | — | P | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 17 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≯ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | START PRES. | Δ PRES. (psi) | STOP PRES. | STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17-08 | 167-165 | 240' | To 252' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 10-08 | 167-165 | 252' | To 300' END | S.S. | 1725 | 30 | 2 | 28 | 1730 | — | — | P / — | — | HL |
| 10-08 → | HL-66-167 | 0' | To 125' | | | | | | | | | P / — | | HL |
| 17-08 | 166-167 | 125' | To 138' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 10-08 | 167-168 | 0' | To 10' | JM | 1745 | 30 | 0 | 30 | 1750 | — | — | P / — | — | HL |
| 10-08 | 167-168 | 10' | To 55' | JM | 1750 | 30 | 2 | 28 | 1755 | — | — | P / — | — | HL |
| 10-08 | 167-168 | 55' | To 85' | JM | 1755 | 31 | 1 | 30 | 1800 | — | — | P / — | — | HL |
| 10-08 | 167-168 | 85' | To 124' | JM | 1805 | 30 | 0 | 30 | 1810 | — | — | P / — | — | HL |
| 17-08 | 167-168 | 124' | To 137' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 10-08 | 167-168 | 137' | To 236' | S.S. | 1755 | 30 | 1 | 29 | 1800 | — | — | P / — | — | HL |
| 17-08 | 167-168 | 236' | To 248' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 10-08 | 167-168 | 248' | To 295' END | S.S. | 1728 | 28 | 2 | 26 | 1733 | — | — | P / — | — | HL |
| 11-08 | 168-169 | 0' | To 14' | JM | 1040 | 30 | 0 | 30 | 1045 | — | — | P / — | — | HL |
| 11-08 | 168-169 | 14' | To 125' | JM | 1043 | 31 | 1 | 30 | 1048 | — | — | P / — | — | HL |
| 17-08 (15) | 168-169 | 125' | To 137' | SAL | | | | | | 0 | — | P / — | Ext. | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day 08 month 1995 year

CONTRACTOR: Covalt TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 Mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | AIR PRESSURE TEST Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-08 | 168-169 137' | To 242' | L.K. | 1041 | 30 | 1 | 29 | 1046 | — | — | P - | — | HL |
| 17-08 | 168-169 242' | To 254' END | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 11-08 | 168-169 254' | To 295' | L.K. | 1040 | 29 | 0 | 29 | 1045 | — | — | P - | — | HL |
| 11-08 | 169-170 0' | To 14' | JM | 1120 | 31 | 1 | 30 | 1125 | — | — | P - | — | HL |
| 11-08 | 169-170 14' | To 122' | JM | 1115 | 30 | 0 | 30 | 1120 | — | — | P - | — | HL |
| 17-08 | 169-170 129' | To 134' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 11-08 | 169-170 134' | To 150' | L.K. | 1134 | 34 | 0 | 34 | 1139 | — | — | P - | — | HL |
| 11-08 | 169-170 150' | To 244' | L.K. | 1131 | 32 | 2 | 30 | 1136 | — | — | P - | — | HL |
| 17-08 | 169-170 244' | To 256' END | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 11-08 | 169-170 256' | To 287' | L.K. | 1130 | 30 | 1 | 29 | 1135 | — | — | P - | — | HL |
| 11-08 | 170-171 0' | To 12' | JM | 1434 | 30 | 0 | 30 | 1437 | — | — | P - | — | HL |
| 11-08 | 170-171 12' | To 30' | JM | 1427 | 31 | 1 | 30 | 1433 | — | — | P - | — | HL |
| 11-08 | 170-171 30' | To 122' | JM | 1425 | 30 | 1 | 29 | 1430 | — | — | P - | — | HL |
| 17-08 | 170-171 122' | To 134' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 11-08 | 170-171 134' | To 218' | L.K. | 1430 | 30 | 0 | 30 | 1435 | — | — | P - | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4 ps drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Test

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 11-08 | 170-171 218' | To 247' | L.K. | 1431 | 30 | 0 | 30 | 1436 | — | — | P / — | — | HL |
| 17-08 | 170-171 247' | To 259' END | SAL | | | | | | 0 | — | P / — | Ext | HL |
| 11-08 | 170-171 259' | To 288' | L.K. | 1415 | 30 | 0 | 30 | 1420 | — | — | P / — | — | HL |
| 11-08 | 171-172 0' | To 100' | JM | 1600 | 30 | 1 | 29 | 1605 | — | — | P / — | — | HL |
| 11-08 | 171-172 100' | To 123' | JM | 1605 | 30 | 1 | 29 | 1610 | — | — | P / — | — | HL |
| 17-08 | 171-172 123' | To 135' | SAL | | | | | | 0 | — | P / — | Ext | HL |
| 11-08 | 171-172 135' | To 255' | L.K. | 1600 | 30 | 1 | 29 | 1605 | — | — | P / — | — | HL |
| 17-08 | 171-172 255' | To 267' | SAL | | | | | | 0 | — | P / — | Ext | HL |
| 11-08 | 171-172 267' | To 290' END | L.K. | 1617 | 30 | 0 | 30 | 1622 | — | — | P / — | — | HL |
| 09-08 | 161-SKirt 0' | To 5' | JM | 0850 | 30 | 0 | 30 | 0855 | | | P / — | | HL |
| 15-08 | 160-SKirt Butt 0' | To 4' | SAL | | | | | | 0 | — | P / — | Ext | HL |
| 09-08 | 160-SKirt Butt 4' | To 22' END | JM | 1130 | 30 | 0 | 30 | 1135 | — | — | P / — | — | HL |
| 10-08 | 166-167 5'6" | To 52' | JM | 1700 | 30 | 0 | 30 | 1705 | — | — | P / — | — | HL |
| 10-08 | 166-167 52' | To 78' | JM | 1700 | 30 | 1 | 29 | 1705 | — | — | P / — | — | HL |
| 10-08 (15) | 166-167 78' | To 95' | JM | 1702 | 30 | 1 | 29 | 1707 | — | — | P / — | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 day 08 month 1985 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Comp Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 10-08 | 166-167 | 95' To 115' | SS | 1458 | 30 | 2 | 28 | 1703 | — | — | P - | — | HL |
| 10-08 | 166-167 | 115' To 125' END | HL SAL SS | | | | | | 0 | — | P - | Ext. | HL |
| 14-08 | 172-173 | 0' To 125' | J.M. | 0900 | 30 | 0 | 30 | 0905 | — | — | P - | — | HL |
| 17-08 | 172-173 | 125' To 137' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 14-08 | 172-173 | 137' To 275' END | L.K. | 0905 | 30 | 1 | 29 | 0910 | — | — | P - | — | HL |
| 14-08 | 173-174 | 0' To 126' | JM | 1015 | 31 | 1 | 30 | 1020 | — | — | P - | — | HL |
| 17-08 | 173-174 | 126' To 138' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 14-08 | 173-174 | 138' To 258' END | L.K. | 1012 | 30 | 1 | 29 | 1017 | — | — | P - | — | HL |
| 14-08 | 174-175 | 0' To 15' | JM | 1110 | 30 | 0 | 30 | 1115 | — | — | P - | — | HL |
| 14-08 | 174-175 | 15' To 127' | JM | 1107 | 30 | 1 | 29 | 1112 | — | — | P - | — | HL |
| 17-08 | 174-175 | 127' To 140' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 14-08 | 174-175 | 140' To 250' END | L.K. | 1120 | 30 | 1 | 29 | 1125 | — | — | P - | — | HL |
| 14-08 | 175-176 | 0' To 129' | JM | 1122 | 31 | 1 | 30 | 1127 | — | — | P - | — | HL |
| 17-08 | 175-176 | 129' To 141' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 14-08 (15) | 175-176 | 141' To 150' | L.K. | 1126 | 30 | 0 | 30 | 1131 | — | — | P - | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 14 day 08 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14-08 | 175-176 | 150' | END To 240' | L.K. | 1127 | 30 | 1 | 29 | 1132 | — | — | P / — | — | HL |
| 14-08 | 176-177 | 0' | To 5' | JM | 1303 | 30 | 1 | 29 | 1308 | — | — | P / — | — | HL |
| 17-08 | 176-177 | 5' | To 20' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 14-08 | 176-177 | 20' | To 80' | JM | 1305 | 31 | 1 | 30 | 1310 | — | — | P / — | — | HL |
| 14-08 | 176-177 | 80' | To 130' | JM | 1310 | 30 | 0 | 30 | 1315 | — | — | P / — | — | HL |
| 17-08 | 176-177 | 130' | To 142' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 14-08 | 176-177 | 142' | To 232' END | L.K. | 1315 | 38 | 0 | 38 | 1320 | — | — | P / — | — | HL |
| 14-08 | 176-177 | 222' | To 233' | L.K. | 1252 | 31 | 1 | 30 | 1257 | — | — | P / — | — | HL |
| 14-08 | 177-178 | 0' | To 14' | JM | 1350 | 30 | 1 | 29 | 1355 | — | — | P / — | — | HL |
| 14-08 | 177-178 | 14' | To 132' | JM | 1355 | 31 | 1 | 30 | 1400 | — | — | P / — | — | HL |
| 17-08 | 177-178 | 132' | To 146' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 14-08 | 177-178 | 146' | END To 225' | LK. | 1353 | 30 | 1 | 29 | 1358 | — | — | P / — | — | HL |
| 14-08 | 178-179 | 0' | To 131' | JM | 1510 | 30 | 0 | 30 | 1515 | — | — | P / — | — | HL |
| 17-08 | 178-179 | 131' | To 145' | SAL | | | | | | 0 | — | P / — | EXT. | HL |
| 14-(15) 08 | 178-179 | 145' | END To 215' | L.K. | 1510 | 30 | 0 | 30 | 1515 | — | — | P / — | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 14 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≤4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Conp Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14-08 | 179-180 0' | To 98' | JM | 1700 | 30 | 1 | 29 | 1705 | — | — | Y — | — | HL |
| 14-08 | 179-180 98' | To 133' | JM | 1655 | 30 | 0 | 30 | 1700 | — | — | Y — | — | HL |
| 17-08 HL | 179-180 133' | To 145' END | SAL | | | | | | 0 | — | Y — | Ext. | HL |
| 14-08 | 179-180 145' | To 208' | LK | 1644 | 30 | 2 | 28 | 1649 | — | — | Y — | — | HL |
| 14-08 | 180-181 0' | To 137' | J.M. | 1740 | 33 | 0 | 33 | 1745 | — | — | Y — | — | HL |
| 17-08 | 180-181 137' | To 155' | SAL | | | | | | 0 | — | Y — | Ext. | HL |
| 14-08 | 180-181 155' | To 165' END | L.K. | 1729 | 30 | 0 | 30 | 1734 | — | — | Y — | — | HL |
| 14-08 | 180-181 165' | To 198' | L.K. | 1727 | 30 | 0 | 30 | 1732 | — | — | Y — | — | HL |
| 15-08 | 181-182 0' | To 146' END | K.C. | 1045 | 28 | 1 | 27 | 1050 | — | — | Y — | — | HL |
| 17-08 | 181 PaTcH 146' | To 188' | SAL | | | | | | 0 | — | Y — | Ext. | HL |
| 17-08 | PaTcH 182 146' | To 188' END | SAL | | | | | | 0 | — | Y — | Ext. | HL |
| 15-08 | 182-183 0' | To 30' END | KC | 1146 | 29 | 1 | 28 | 1151 | — | — | Y — | — | HL |
| 15-08 | 182-183 30' | To 178' | KC | 1145 | 30 | 0 | 30 | 1150 | — | — | Y — | — | HL |
| 15-08 | 183-184 0' | To 10' END | KC | 1155 | 29 | 1 | 28 | 1200 | — | — | Y — | — | HL |
| 15-08 | 183-184 10' | To 163' | KC | 1255 | 29 | 0 | 29 | 1300 | — | — | Y — | — | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 15 day 08 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 15-08 | 184-185 0' | To 50' | K.C | 1506 | 28 | 1 | 27 | 1511 | — | — | P - | — | HL |
| 17-08 | 184-185 50' | To 85' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 05-08 | 184-185 85' | To 97' | K.C. | 1436 | 30 | 2 | 28 | 1441 | — | — | T - | — | HL |
| 17-08 | 184-185 97' | To 120' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 15-08 | 184-185 120' | To 144' END | Keo | 1455 | 30 | 0 | 30 | 1500 | — | — | T - | — | HL |
| 15-08 | 184-185 144' | To 154' END | L.K. | 1405 | 30 | 0 | 30 | 1410 | — | — | P - | — | HL |
| 17-08 | 185-189 0' | To 12' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 15-08 | 185-186 12' | To 103' END | SH | 1515 | 30 | 1 | 29 | 1520 | — | — | P - | — | HL |
| 15-08 | 185-186 103' | To 149' END | SH | 1520 | 30 | 2 | 28 | 1525 | — | — | P - | — | HL |
| 17-08 | 187-189 0' | To 12' END | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 15-08 | 187-186 12' | To 138' END | JM | 1612 | 30 | 0 | 30 | 1617 | — | — | P - | — | HL |
| 15-08 | 186-189 Butt 0' | To 22' END | JM | 1558 | 29 | 0 | 29 | 1603 | — | — | T - | — | HL |
| 17-08 | 187-188 0' | To 8' | SAL | | | | | | 0 | — | P - | Ext. | HL |
| 15-08 | 187-188 8' | To 130' | JM | 1703 | 30 | 0 | 30 | 1708 | — | — | P - | — | HL |
| (15) — | No Further | To H.L. | — | Ent | ries | — | — | This | Page | — | P - | — | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG — Cross Seam N/W.

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 30 day 06 month 1995 year

CONTRACTOR: Gundle — TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≯4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | START PRES. | Δ PRES. (psi) | STOP PRES. | STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Crosseam | | | | | | | | | | | | |
| 14-07 HL 30-06 | 43-44 | Ext: 21' - 25' END | DM | | | | | | 0 | — | P — | Crosseam | H.L. |
| 30-06 | 43-46 | 25' - 57' END | Y.S | 0835 | 30 | 1 | 29 | 0840 | — | — | P — | " | H.L. |
| 30-06 | 42-46 | 57' - 69' END | Y.S. | 0910 | 29 | 1 | 28 | 0915 | — | — | P — | " | H.L. |
| 30-06 | 42-47 | 69' - 99' END | Y.S. | 1015 | 29 | 0 | 29 | 1020 | — | — | P — | " | H.L. |
| 30-06 | 41-48 | 99' - 136' END | Y.S. | 1250 | 30 | 0 | 30 | 1255 | — | — | P — | " | H.L. |
| 30-06 | 41-49 | 136' - 142' END | Y.S. | 1300 | 30 | 0 | 30 | 1305 | — | — | P — | " | H.L. |
| 12-07 HL 30-06 | 40-49 | 142' - 155' END | C.O. | | | | | | 0 | — | P — | Ext. " | H.L. |
| 03-07 | 40-50 | 155' - 184' END | Y.S | 0701 | 31 | 1 | 30 | 0706 | — | — | P — | " | H.L. |
| 02-07 | 39-53 | 184' - 200' | C.O. | | | | | | 0 | — | P — | Ext. " | H.L. |
| 03-07 | 39-53 | 200' - 210' END | Y.S. | 0708 | 33 | 2 | 31 | 0713 | — | — | P — | " | H.L. |
| 03-07 | 39-55 | 210' - 230' END | Y.S | 0758 | 30 | 0 | 30 | 0803 | — | — | P — | " | HL |
| 03-07 | 38-55 | 230' - 244' END | Y.S. | 0804 | 32 | 2 | 30 | 0809 | — | — | P — | " | HL |
| 03-07 | 38-57 | 244' - 263' END | Y.S. | 0905 | 30 | 2 | 28 | 0910 | — | — | P — | " | HL |
| 03-07 | 37-57 | 263' - 280' END | Y.S. | 0915 | 30 | 0 | 30 | 0920 | — | — | P — | " | HL |
| 03-07 (13) | 37-59 | 280' - 296' END | Y.S. | 1007 | 30 | 2 | 28 | 1012 | — | — | P — | " | HL |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 03 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30psi for ≥5min with ≤4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap. Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Crossseams | | | | | | | | | | | | | |
| 03-07 | 36-59 | 296' | END 316' | Y.S. | 1013 | 30 | 0 | 30 | 1018 | — | — | P - | Crossseam | H.L. |
| 05-07 | 58-66 | 0' | END 27' | Y.S. | 1117 | 33 | 1 | 32 | 1122 | — | — | P - | " | H.L. |
| 05-07 | 58-65 | 27' | 77' END | Y.S. | 1137 | 31 | 3 | 28 | 1142 | — | — | P - | " | HL. |
| 05-07 | 58-65 | 77' | 83' END | D.M. | | | | | | 0 | — | P - | Ext. " | HL |
| 05-07 | 58-Patch | 83' | 97' END | DM | | | | | | 0 | — | P - | Ext. " | HL |
| 05-07 | 59-63 | 97' | 279' END | Y.S. | 1003 | 31 | 1 | 30 | 1008 | — | — | P - | — | HL |
| 05-07 | 59-61 | 231' | 237' END | D.M. | | | | | | 0 | — | P - | Ext. | HL |
| 05-07 | 59-61 | 237' | 279' END | Y.S. | 838 | 33 | 3 | 30 | 843 | — | — | P - | — | HL |
| 05-07 | 59-60 | 279' | 329' END | Y.S. | 0851 | 30 | 2 | 28 | 0856 | — | — | P - | — | HL |
| 07-07 | 36-60 | 316' | 395' END | Y.S. | 0854 | 30 | 2 | 28 | 0859 | — | — | P - | — | HL |
| 02-07 | 35-60 | 395' | 333' END | D.M. | | | | | | 0 | — | P - | Ext. | HL |
| 06-07 | 34-67 | 347' | END 370' | Y.S. | 1148 | 30 | 2 | 28 | 1153 | — | — | P - | — | HL |
| 06-07 | 34-68 | 370' | 392' END | YS | 1145 | 30 | 2 | 28 | 1150 | — | — | P - | — | HL |
| 06-07 | 33-68 | 392' | 410' END | YS | 1136 | 30 | 0 | 30 | 1141 | — | — | P - | — | HL |
| 06-07 (15) | 33-70 | 410' | 442' END | YS | 1130 | 30 | 2 | 28 | 1135 | — | — | P - | — | HL. |

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 06 day 07 month 1995 year

CONTRACTOR: GunDie TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with >4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | START PRES. | Δ PRES. (psi) | STOP PRES. | STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Crosseams | | | | | | | | | | | | |
| 06-07 | 33-70 | Void | H.L. | | | | | | — | — | — | Ext crosscam | HL |
| 06-07 | 32-71 | 442' - 470' END | Y.S. | 1354 | 30 | 0 | 30 | 1401 | — | — | P | — " | HL |
| 06-07 | 31-71 | 470' - 489' END | D.M. | | | | | | 0 | — | P | Ext. " | HL |
| 06-07 | 31-72 | 489' - 512' END | CHRIS | 1330 | 30 | 0 | 30 | 1335 | — | — | P | — " | HL |
| 06-07 | 31-73 | 512' - 535' END | YS | 1729 | 33 | 3 | 30 | 1734 | — | — | P | — " | HL |
| 07-07 | 31-74 | 535' - 550' END | Y.S. | 0924 | 30 | 0 | 30 | 0929 | — | — | P | — " | HL |
| 27-07 | 95-99 | 0' To 15' | A.L. | 0910 | 30 | 2 | 28 | 0915 | — | — | P | — " | HL |
| 28-07 | 95-99 | 15' To 22' | SAL | | | | | | 0 | — | P | Cap Ext. " | HL |
| 27-07 | 95-100 | 22' To 87' | AL | 0838 | 29 | 2 | 27 | 0843 | — | — | P | — " | HL |
| 27-07 | 95-101 | 87' To 107 | AL | 0819 | 31 | 3 | 28 | 0824 | — | — | P | — " | HL |
| 28-07 | 95-101 | 107' To 119' | SAL | | | | | | 0 | — | P | Ext. " | HL |
| 27-07 | 95-101 | 119' To 147' | A.L. | 0801 | 29 | 2 | 27 | 0806 | — | — | P | — " | HL |
| 27-07 | 95-103 | 147' To 206' | A.L. | 1000 | 29 | 1 | 28 | 1005 | — | — | P | — " | HL |
| 27-07 | 95-104 | 206' To 225' | A.L. | 1017 | 30 | 3 | 27 | 1022 | — | — | P | — " | HL |
| 27-07 | 95-104 | 225' To 237 | SAL | | | | | | 0 | — | P | Ext. " | HL |

NOTES: ALL Crosscams

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

Crossseams

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 31 day 07 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≤ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TEXT.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | | | | TIME | PRES. | | PRES. | TIME | | | | | |
| | Crossseams | | | | | | | | | | | | |
| 31-07 | 95-104 | 237' To 258' | SAL | | | | | | 0 | — | P - | EXT. | HL |
| 27-07 | 95-105 | 258' To 300' | A.L. | 1102 | 30 | 0 | 30 | 1107 | — | — | P - | — | HL |
| 27-07 | 95-106 | 300' To 340' | A.L. | 1108 | 30 | 0 | 30 | 1113 | — | — | P - | — | HL |
| 31-07 | 95-104 | 340' To 350' | SAL | | | | | | 0 | — | P - | EXT. | HL |
| 31-07 | 95-107 | 350' To 362' | SAL | | | | | | 0 | — | P - | EXT. | HL |
| 31-07 | 95-107 | 362' To 379' | SAL | | | | | | 0 | — | P - | EXT. | HL |
| 27-07 | 86-107 | 379' To 392' | C.S. | 1345 | 30 | 0 | 30 | 1350 | — | — | P - | — | HL |
| 27-07 | 86-107 | 392' To 404' | C.S. | 1342 | 30 | 1 | 29 | 1347 | — | — | P - | — | HL |
| 27-07 | 86-109 | 404' To 430' | C.S. | 1615 | 30 | 0 | 30 | 1620 | — | — | P - | — | HL |
| 29-07 | 86-115 | 430' To 453' | C.S. | 0923 | 31 | 1 | 30 | 0928 | — | — | P - | — | HL |
| 31-07 | 113-115 | 453' To 456' | SAL | | | | | | 0 | — | P - | EXT. | HL |
| 29-07 | 113-116 | 456' To 478' | C.S. | 0929 | 30 | 0 | 30 | 0934 | — | — | P - | — | HL |
| 31-07 | 123-119 | 0' To 29' | JM | 1714 | 31 | 1 | 30 | 1719 | — | — | P - | — | HL |
| 31-07 | 122-119 | 29' To 85' | JM | 1725 | 30 | 0 | 30 | 1730 | — | — | P - | — | HL |
| 9(15)08 | 124-119 | 85' To 111' | JM | 0733 | 30 | 1 | 29 | 0738 | — | — | P - | — | HL |

NOTES: All Crossseam

GeoSyntec Consultants

TOWN OF HUNTINGTON

# NONDESTRUCTIVE TEST LOG

Crosseam

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 day 08 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with 4 psi d/p

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Crosseams | | | | | | | | | | | | |
| 10-08 | 124-119 111' | To 117' | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 10-08 | 125-119 117' | To 123' | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 01-08 | 125-119 123' | To 150' | JM | 0740 | 31 | 0 | 31 | 0745 | – | – | P – | – | HL |
| 01-08 | 126-119 150' | To 200' | JM | 0756 | 30 | 1 | 29 | 6801 | – | – | P – | – | HL |
| 01-08 | 127-119 200' | To 239' | JM | 1133 | 30 | 1 | 29 | 1138 | – | – | P – | – | HL |
| 07-08 | 127-119 239' | To 251' | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 07-08 | 127-119 251' | To 259' | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 01-08 | 128-119 259' | To 306' | CS | 1255 | 30 | 0 | 30 | 1300 | – | – | P – | – | HL |
| 07-08 | 129-119 306' | To 329' End | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 01-08 | 129-119 329' | To 375' End | C.S. | 1314 | 30 | 1 | 29 | 1321 | – | – | P – | – | HL |
| 07-08 | 124-125 Bowtie | 0'-22' End | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 03-08 | 132-140 10' | To 28' | JM | 1020 | 31 | 1 | 30 | 1025 | – | – | P – | – | HL |
| 10-08 | 135-140 0' | To 10' | SAL | | | | | | 0 | – | P – | Ext. | HL |
| 03-08 | 139-132 28' | To 77' | JM | 0925 | 31 | 1 | 30 | 0930 | – | – | P – | – | HL |
| 08-08 (15) | 133-132 77' | To 125' | JM | 1000 | 31 | 1 | 30 | 1005 | – | – | P – | – | HL |

NOTES:

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 07 day 08 month 1995 year

CONTRACTOR: _____ TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min with ≤ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐ _____

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST | | | | | VACUUM-BOX TEST | | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | START | | Δ PRES. (psi) | STOP | | NO. OF LEAKS | DATE OF RE-TEST | | | |
| | Crossseams | | | TIME | PRES. | | PRES. | TIME | | | | | |
| 07-08 | 133-132 125' | To 137' | Sal | | | | | | 0 | — | P / — | Ext. | HL |
| 07-08 | 133-132 137' | To 144' | Sal | | | | | | 0 | — | P / — | Ext. | HL |
| 02-08 | 136-~~135~~ HL 132 144' | To 196' | JM | 1327 | 30 | 0 | 30 | 1332 | — | — | P / — | — | HL |
| 02-08 | 137-132 196' | To 245' | JM | 1450 | 30 | 0 | 30 | 1455 | — | — | P / — | — | HL |
| 07-08 | 137-132 245' | To 254' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 07-08 | 138-132 254' | To 281' | SAL | | | | | | 0 | — | P / — | Ext. | HL |
| 02-08 | 138-132 281' | To 321' END. | KS | 1500 | 30 | 1 | 29 | 1505 | — | — | P / — | — | HL |
| | | | | | | | | | | | | | |
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| (15) | | | | | | | | | | | | | |

NOTES: _____

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 24 day 07 month 1985 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with ≤ 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap TexT.

| | DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | AIR PRESSURE TEST START PRES. | Δ PRES. (psi) | AIR PRESSURE TEST STOP PRES. | AIR PRESSURE TEST STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 24-07 | 84-85 | 430' To 456' END | CO | — | — | — | — | — | 0 | — | Y / — | Cap — | H.L. |
| * | 24-07 | 26A-Cap | 380' To 446' END | J.M | 1325 | 29 | 1 | 28 | 1330 | — | — | Y / — | — | HL |
| * | 24-07 | 25-Cap | 380' To 390' | CHRIS | 1400 | 31 | 1 | 30 | 1405 | — | — | Y / — | — | HL |
| * | 24-07 | 25-Cap | 390' To 393' | CO | — | — | — | — | — | 0 | — | Y / — | ExT. | HL |
| * | 24-07 | 25-Cap | 393' To 408' | CHRIS | 1402 | 30 | 0 | 30 | 1407 | — | — | Y / — | — | HL |
| * | 24-07 | 25-Cap | 408' To 413' | CO | — | — | — | — | — | 0 | — | Y / — | ExT. | HL |
| * | 24-07 | 25-Cap | 413' To 436' | CHRIS | 1406 | 29 | 1 | 28 | 1411 | — | — | Y / — | — | HL |
| * | 24-07 | 25-Cap | 436' To 441' | CHRIS | 1425 | 31 | 1 | 30 | 1430 | — | — | Y / — | — | HL |
| * | 24-07 | 25-Cap | 441' To 446' END | CO | — | — | — | — | — | 0 | — | Y / — | ExT. | HL |
| | 26-07 | 94-97 | 30' To 40' | JM | 1245 | 29 | 0 | 29 | 1250 | — | — | Y / — | — | HL |
| | 26-07 | 94-97 | 40' To 75' END | JM | 1308 | 30 | 2 | 28 | 1313 | — | — | Y / — | — | HL |
| | 26-07 | 94-97 | 75' To 96' | JM | 1255 | 29 | 0 | 29 | 1300 | — | — | Y / — | — | HL |
| | 26-07 | 97-98 | 30' To 40' | JM | 1127 | 30 | 0 | 30 | 1132 | — | — | Y / — | — | HL |
| | 26-07 | 97-98 | 40' To 46' END | JM | 1124 | 30 | 0 | 30 | 1129 | — | — | Y / — | — | HL |
| | 26-07 (15) | 96-98 | 10' To 46' END | JM | 1100 | 29 | 0 | 29 | 1105 | — | — | Y / — | — | HL |

NOTES: * CwT opened and Reseamed & ReTested Air Pressure

GeoSyntec Consultants

TOWN OF HUNTINGTON

## NONDESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 07 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Seam must hold 25-30 psi for 5 min. with > 4 psi drop

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 mil Cap Text.

| DATE (day/mo) | SEAM NO. OR LOCATION | LENGTH OF SEAM TESTED (ft) | OPER. ID | AIR PRESSURE TEST START TIME | START PRES. | Δ PRES. (psi) | STOP PRES. | STOP TIME | VACUUM-BOX TEST NO. OF LEAKS | VACUUM-BOX TEST DATE OF RE-TEST | PASS/ FAIL | ACTION | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26-07 | 96-97 | 46' To 84' (END) | J.M. | 1125 | 30 | 0 | 30 | 1130 | — | — | P - | — | HL |
| 26-07 | 95-96 | 0' To 50' | J.M. | 0932 | 30 | 0 | 30 | 0937 | — | — | P - | — | HL |
| 26-07 | 95-96 | 50' To 60' | C.O | | | | | | 0 | — | P - | Ext. | HL. |
| 26-07 | 95-96 | 60' To 115' (END) | C.S. | 1115 | 30 | 1 | 29 | 1120 | — | — | P - | — | HL |
| 26-07 | 95-96 Ht | 115' To 127' | SAL | Ext. | | | | | 0 | — | P - | Ext. | HL |
| 26-07 | 95-96 | 127' To 147' | | | | | | | 0 | — | P - | Ext. | |
| 26-07 | 95-94 | 147' To 162' | AL | 1105 | 30 | 1 | 29 | 1110 | — | — | P - | — | HL |
| 26-07 | 95-93 | 162' To 207' | AL | 1030 | 29 | 0 | 29 | 1035 | — | — | P - | — | HL |
| 26-07 | 95-91 | 207' To 247' | AL | 1001 | 30 | 2 | 28 | 1006 | — | — | P - | — | HL |
| 26-07 | 95-91 | 247' To 259' | C.O. | | | | | | 0 | — | P - | Ext. | HL. |
| 26-07 | 95-89 | 259' To 301' | AL | 1036 | 30 | 2 | 28 | 1041 | — | — | P - | — | HL |
| 26-07 | 95-88 | 301' To 338' | AL | 1043 | 31 | 2 | 29 | 1048 | — | — | P - | — | HL |
| 26-07 | 95-88 | 338' To 347' | C.O | | | | | | 0 | — | P - | Ext. | HL |
| 26-07 | 95-88 | 347' To 354' | C.O | | | | | | 0 | — | P - | Ext. | HL |
| 26-07 | 95-87 | 354' To 357' | C.O | | | | | | 0 | — | P - | Ext. | HL |
| 27-07 (15) | 99-100 | 0' To 20' (END) | AL | 0905 | 29 | 2 | 27 | 0910 | 0910 | — | P - | — | HL |

NOTES: 95-86 - 354' To 347' Ext. H.L.

**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/21/95 | 190-191 | 0'-13' | | | | 0 | CAP | - | JJP |
| 8/21/95 | 190-191 | 102'-123' | 1419 | 30 | 1424 | 30 | JM | P | JJP |
| 8/21/95 | 190-191 | 123'-191' | 1412 | 31 | 1417 | 29 | JM | P | JJP |
| 8/21/95 | 190-191 | 13'-23' | 1340 | 30 | 1345 | 29 | JM | P | JJP |
| 8/21/95 | 190-191 | 191'-201' | | | | | EXT | - | JJP |
| 8/21/95 | 190-191 | 201'-229' | | | | 0 | CAP | - | JJP |
| 8/21/95 | 190-191 | 229'-313' | 1422 | 29 | 1427 | 27 | SH | P | JJP |
| 8/21/95 | 190-191 | 23'-93' | 1345 | 30 | 1350 | 29 | JM | P | JJP |
| 8/21/95 | 190-191 | 313'-321' | | | | | EXT | - | JJP |
| 8/21/95 | 190-191 | 321'-383' | | | | | CAP | - | JJP |
| 8/21/95 | 190-191 | 383'-391' | | | | | EXT | - | JJP |
| 8/21/95 | 190-191 | 391'-399' | | | | | CAP | - | JJP |
| 8/21/95 | 190-191 | 399'-410' | 1240 | 30 | 1245 | 29 | CS | P | JJP |
| 8/21/95 | 190-191 | 410'-415' | | | | | EXT | - | JJP |
| 8/21/95 | 190-191 | 93'-102' | | | | | EXT | - | JJP |
| 8/21/95 | 191-192 | 0'-96' | 1550 | 30 | 1555 | 30 | JM | P | JJP |
| 8/21/95 | 191-192 | 104'-116' | 1503 | 30 | 1508 | 30 | JM | P | JJP |
| 8/21/95 | 191-192 | 116'-132' | 1510 | 30 | 1515 | 30 | JM | P | JJP |
| 8/21/95 | 191-192 | 132'-195' | 1525 | 30 | 1530 | 30 | JM | P | JJP |
| 8/21/95 | 191-192 | 195'-203' | | | | | EXT | - | JJP |
| 8/21/95 | 191-192 | 203'-315' | 1618 | 29 | 1623 | 28 | LK | P | JJP |
| 8/21/95 | 191-192 | 315'-324' | | | | | EXT | - | JJP |
| 8/21/95 | 191-192 | 324'-387' | 1630 | 29 | 1635 | 26 | LK | P | JJP |
| 8/21/95 | 191-192 | 387'-397' | | | | | EXT | - | JJP |
| 8/21/95 | 191-192 | 397'-420' | 1645 | 29 | 1650 | 28 | LK | P | JJP |
| 8/21/95 | 191-192 | 96'-104' | | | | | EXT | - | JJP |
| 8/21/95 | 192-193 | 0'-91' | 1646 | 30 | 1651 | 28 | AL | P | JJP |
| 8/21/95 | 192-193 | 100'-187' | 1655 | 29 | 1700 | 29 | JM | P | JJP |
| 8/21/95 | 192-193 | 187'-196' | | | | | EXT | - | JJP |
| 8/21/95 | 192-193 | 196'-307' | 1710 | 30 | 1715 | 29 | LK | P | JJP |
| 8/21/95 | 192-193 | 307'-316' | | | | | EXT | - | JJP |
| 8/21/95 | 192-193 | 316'-377' | 1654 | 28 | 1659 | 28 | LK | P | JJP |

EXT/CAP indicates portion of the seam that is extrusion welded or capped;
the vacuum test data is reflected in the repair summary logs.

**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/21/95 | 192-193 | 377'-387' | | | | | EXT | - | JJP |
| 8/21/95 | 192-193 | 387'-407' | 1639 | 28 | 1644 | 27 | LK | P | JJP |
| 8/21/95 | 192-193 | 91'-100' | | | | | EXT | - | JJP |
| 8/22/95 | 193-194 | 0'-19' | 0940 | 29 | 0945 | 28 | KC | P | JJP |
| 8/22/95 | 193-194 | 107'-192' | 1025 | 30 | 1030 | 28 | AL | P | JJP |
| 8/22/95 | 193-194 | 19'-97' | 0950 | 30 | 0955 | 28 | AL | P | JJP |
| 8/22/95 | 193-194 | 192'-203' | | | | | EXT | P | JJP |
| 8/22/95 | 193-194 | 203'-313' | 0948 | 30 | 0953 | 29 | LK | P | JJP |
| 8/22/95 | 193-194 | 313'-323' | | | | | EXT | - | JJP |
| 8/22/95 | 193-194 | 323'-388' | 0946 | 30 | 0951 | 30 | LK | P | JJP |
| 8/22/95 | 193-194 | 388'-398' | | | | | EXT | - | JJP |
| 8/22/95 | 193-194 | 398'-418' | 0935 | 30 | 0940 | 30 | LK | P | JJP |
| 8/22/95 | 193-194 | 97'-107' | | | | | EXT | - | JJP |
| 8/22/95 | 194-195 | 0'-15' | 1144 | 30 | 1149 | 30 | JM | P | JJP |
| 8/22/95 | 194-195 | 104'-188' | 1100 | 30 | 0110 | 30 | JM | P | JJP |
| 8/22/95 | 194-195 | 15'-44' | 1135 | 30 | 1140 | 29 | JM | P | JJP |
| 8/22/95 | 194-195 | 188'-198' | | | | | EXT | - | JJP |
| 8/22/95 | 194-195 | 198'-282' | 1246 | 30 | 1251 | 29 | LK | P | JJP |
| 8/22/95 | 194-195 | 282'-308' | 1240 | 30 | 1245 | 30 | LK | P | JJP |
| 8/22/95 | 194-195 | 308'-318' | | | | | EXT | - | JJP |
| 8/22/95 | 194-195 | 318'-338' | 1129 | 28 | 1134 | 26 | LK | P | JJP |
| 8/22/95 | 194-195 | 338'-343' | | | | | CAP | - | JJP |
| 8/22/95 | 194-195 | 343'-383' | 1252 | 29 | 1257 | 27 | LK | P | JJP |
| 8/22/95 | 194-195 | 383'-392' | | | | | EXT | - | JJP |
| 8/22/95 | 194-195 | 392'-407' | 1255 | 30 | 1300 | 30 | LK | P | JJP |
| 8/22/95 | 194-195 | 44'-95' | 1130 | 30 | 1135 | 30 | JM | P | JJP |
| 8/22/95 | 194-195 | 95'-104' | | | | | EXT | - | JJP |
| 8/22/95 | 195-196 | 0'-98' | 1455 | 29 | 1500 | 28 | JM | P | JJP |
| 8/22/95 | 195-196 | 107'-159' | 1421 | 30 | 1426 | 30 | JM | P | JJP |
| 8/22/95 | 195-196 | 159'-187' | 1423 | 31 | 1428 | 30 | JM | P | JJP |
| 8/22/95 | 195-196 | 187'-196' | | | | | EXT | - | JJP |
| 8/22/95 | 195-196 | 196'-300' | 1540 | 30 | 1545 | 28 | LK | P | JJP |

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**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/22/95 | 195-196 | 300'-310' | | | | | EXT | - | JJP |
| 8/22/95 | 195-196 | 310'-331' | 1446 | 30 | 1451 | 30 | LK | P | JJP |
| 8/22/95 | 195-196 | 331'-342' | 1444 | 28 | 1449 | 28 | LK | P | JJP |
| 8/22/95 | 195-196 | 342'-356' | 1437 | 28 | 1442 | 28 | LK | P | JJP |
| 8/22/95 | 195-196 | 356'-376' | 1440 | 30 | 1445 | 29 | LK | P | JJP |
| 8/22/95 | 195-196 | 376'-386' | | | | | EXT | - | JJP |
| 8/22/95 | 195-196 | 386'-402' | 1327 | 28 | 1332 | 28 | LK | P | JJP |
| 8/22/95 | 195-196 | 98'-107' | | | | | EXT | - | JJP |
| 8/22/95 | 196-197 | 0'-103' | 1633 | 30 | 1638 | 30 | JM | P | JJP |
| 8/22/95 | 196-197 | 103'-113' | | | | | EXT | - | JJP |
| 8/22/95 | 196-197 | 113'-189' | 1644 | 29 | 1649 | 28 | JM | P | JJP |
| 8/22/95 | 196-197 | 189'-198' | | | | | EXT | - | JJP |
| 8/22/95 | 197-198 | 0'-99' | 1800 | 32 | 1805 | 31 | JM | P | JJP |
| 8/22/95 | 197-198 | 109'-181' | 1751 | 30 | 1756 | 29 | JM | P | JJP |
| 8/23/95 | 196-197 | 198'-300' | 0700 | 30 | 0705 | 29 | SK | P | JJP |
| 8/23/95 | 196-197 | 300'-310' | | | | | EXT | - | JJP |
| 8/23/95 | 196-197 | 310'-380' | 0715 | 30 | 0720 | 30 | SK | P | JJP |
| 8/23/95 | 196-197 | 380'-403' | | | | | EXT | - | JJP |
| 8/23/95 | 197-198 | 181'-193' | | | | | EXT | - | JJP |
| 8/23/95 | 197-198 | 193'-296' | 0730 | 30 | 0735 | 30 | SK | P | JJP |
| 8/23/95 | 197-198 | 296'-306' | | | | | EXT | - | JJP |
| 8/23/95 | 197-198 | 306'-376' | 0740 | 30 | 0745 | 28 | SK | P | JJP |
| 8/23/95 | 197-198 | 99'-109' | | | | | EXT | - | JJP |
| 8/23/95 | 198-199 | 324'-375' | 1140 | 30 | 1145 | 29 | SK | P | JJP |
| 8/23/95 | 198-199 | 375'-395' | | | | | EXT | - | JJP |
| 8/23/95 | 198-200 | 212'-295' | 1603 | 30 | 1608 | 29 | AT | P | JJP |
| 8/23/95 | 198-200 | 295'-324' | | | | | EXT | - | JJP |
| 8/23/95 | 198-201 | 114'-178' | 1540 | 30 | 1545 | 28 | JM | P | JJP |
| 8/23/95 | 198-201 | 178'-187' | | | | | EXT | - | JJP |
| 8/23/95 | 198-201 | 187'-212' | 1711 | 30 | 1716 | 28 | JM | P | JJP |
| 8/23/95 | 198-202 | 0'-100' | 1705 | 30 | 1710 | 28 | KC | P | JJP |
| 8/23/95 | 199-200 | 0'-32' | 1432 | 30 | 1437 | 29 | JM | P | JJP |

EXT/CAP indicates portion of the seam that is extrusion welded or capped;
the vacuum test data is reflected in the repair summary logs.

**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/23/95 | 199-200 | 108'-175' | 1441 | 31 | 1446 | 30 | JM | P | JJP |
| 8/23/95 | 199-200 | 175'-185' | | | | | EXT | - | JJP |
| 8/23/95 | 199-200 | 185'-200' | 1550 | 30 | 1555 | 0 | SK | F | JJP |
| 8/23/95 | 199-200 | 200'-295' | 1555 | 30 | 1600 | 30 | SK | P | JJP |
| 8/23/95 | 199-200 | 295'-324' | | | | | EXT | - | JJP |
| 8/23/95 | 199-200 | 32'-98' | 1430 | 30 | 1435 | 29 | JM | P | JJP |
| 8/23/95 | 199-200 | 98'-108' | | | | | EXT | - | JJP |
| 8/23/95 | 199-203 | 0'-99' | 1712 | 29 | 1717 | 27 | JM | P | JJP |
| 8/23/95 | 199-203 | 109'-168' | 1720 | 30 | 1725 | 30 | JM | P | JJP |
| 8/23/95 | 199-203 | 168'-184' | | | | | EXT | - | JJP |
| 8/23/95 | 199-203 | 298'-308' | | | | | EXT | - | JJP |
| 8/23/95 | 199-203 | 308'-373' | 1705 | 30 | 1710 | 29 | LK | P | JJP |
| 8/23/95 | 199-203 | 373'-390' | | | | | EXT | - | JJP |
| 8/23/95 | 199-203 | 99'-109' | | | | | EXT | - | JJP |
| 8/23/95 | 199-298 | 184'-298' | 1730 | 30 | 1735 | 30 | JM | P | JJP |
| 8/23/95 | 200-201 | 0'-99' | 1702 | 29 | 1707 | 28 | AL | P | JJP |
| 8/23/95 | 200-201 | 109'-178' | 1515 | 30 | 1520 | 29 | AL | P | JJP |
| 8/23/95 | 200-201 | 178'-187' | | | | | EXT | - | JJP |
| 8/23/95 | 200-201 | 187'-212' | | | | | CAP | - | JJP |
| 8/23/95 | 200-201 | 99'-109' | | | | | EXT | - | JJP |
| 8/23/95 | 201-202 | 0'-100' | 1711 | 30 | 1716 | 28 | AL | P | JJP |
| 8/23/95 | 201-202 | 100'-110' | | | | | EXT | - | JJP |
| 8/24/95 | 203-204 | 0'-42' | 0957 | 30 | 1002 | 29 | JM | P | JJP |
| 8/24/95 | 203-204 | 105'-130' | 1012 | 30 | 1017 | 28 | JM | P | JJP |
| 8/24/95 | 203-204 | 130'-148' | 1012 | 30 | 1017 | 29 | JM | P | JJP |
| 8/24/95 | 203-204 | 148'-166' | 1019 | 29 | 1024 | 28 | JM | P | JJP |
| 8/24/95 | 203-204 | 166'-176' | | | | | EXT | - | JJP |
| 8/24/95 | 203-204 | 176'-200' | | | | | CAP | - | JJP |
| 8/24/95 | 203-204 | 200'-288' | 1253 | 32 | 1258 | 31 | LK | P | JJP |
| 8/24/95 | 203-204 | 288'-298' | | | | | EXT | - | JJP |
| 8/24/95 | 203-204 | 298'-325' | 1245 | 30 | 1250 | 29 | LK | P | JJP |
| 8/24/95 | 203-204 | 325'-342' | 1244 | 33 | 1249 | 33 | LK | P | JJP |

EXT/CAP indicates portion of the seam that is extrusion welded or capped;
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**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/24/95 | 203-204 | 342'-372' | 1144 | 30 | 1149 | 30 | LK | P | JJP |
| 8/24/95 | 203-204 | 42'-95' | 0958 | 30 | 1003 | 29 | JM | P | JJP |
| 8/24/95 | 203-204 | 95'-105' | | | | | EXT | - | JJP |
| 8/24/95 | 204-205 | 0'-22' | 1250 | 30 | 1255 | 29 | JM | P | JJP |
| 8/24/95 | 204-205 | 105'-164' | 1310 | 30 | 1315 | 29 | JM | P | JJP |
| 8/24/95 | 204-205 | 164'-174' | | | | | EXT | - | JJP |
| 8/24/95 | 204-205 | 174'-286' | 1258 | 30 | 1303 | 29 | LK | P | JJP |
| 8/24/95 | 204-205 | 22'-95' | 1300 | 30 | 1305 | 29 | JM | P | JJP |
| 8/24/95 | 204-205 | 286'-296' | | | | | EXT | - | JJP |
| 8/24/95 | 204-205 | 296'-366' | 1145 | 30 | 1150 | 29 | LK | P | JJP |
| 8/24/95 | 204-205 | 95'-105' | | | | | EXT | - | JJP |
| 8/24/95 | 205-206 | 0'-06' | 1310 | 30 | 1315 | 29 | JM | P | JJP |
| 8/24/95 | 205-206 | 06'-97' | 1312 | 30 | 1317 | 28 | JM | P | JJP |
| 8/24/95 | 205-206 | 107'-125' | | | | | CAP | - | JJP |
| 8/24/95 | 205-206 | 125'-167' | 1455 | 29 | 1500 | 29 | JM | P | JJP |
| 8/24/95 | 205-206 | 167'-177' | | | | | EXT | - | JJP |
| 8/24/95 | 205-206 | 177'-264' | 1441 | 29 | 1446 | 28 | LK | P | JJP |
| 8/24/95 | 205-206 | 264'-285' | 1442 | 31 | 1447 | 31 | LK | P | JJP |
| 8/24/95 | 205-206 | 285'-295' | | | | | EXT | - | JJP |
| 8/24/95 | 205-206 | 295'-360' | 1454 | 30 | 1459 | 29 | LK | P | JJP |
| 8/24/95 | 205-206 | 97'-107' | | | | | EXT | - | JJP |
| 8/25/95 | 206-207 | 0'-99' | 1325 | 30 | 1330 | 30 | JM | P | JJP |
| 8/25/95 | 206-207 | 109'-167' | 1345 | 30 | 1350 | 29 | JM | P | JJP |
| 8/25/95 | 206-207 | 167'-177' | | | | | EXT | - | JJP |
| 8/25/95 | 206-207 | 177'-291' | 1429 | 30 | 1434 | 29 | CS | P | JJP |
| 8/25/95 | 206-207 | 291'-301' | | | | | EXT | - | JJP |
| 8/25/95 | 206-207 | 301'-360' | 1330 | 30 | 1335 | 30 | CS | P | JJP |
| 8/25/95 | 206-207 | 99'-109' | | | | | EXT | - | JJP |
| 8/25/95 | 207-208 | 0'-99' | 1500 | 30 | 1505 | 30 | JM | P | JJP |
| 8/25/95 | 207-208 | 109'-163' | 1435 | 30 | 1440 | 29 | JM | P | JJP |
| 8/25/95 | 207-208 | 163'-173' | | | | | EXT | - | JJP |
| 8/25/95 | 207-208 | 173'-287' | 1515 | 30 | 1520 | 29 | CS | P | JJP |

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**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/25/95 | 207-208 | 287'-297' | | | | | EXT | - | JJP |
| 8/25/95 | 207-208 | 297'-349' | 1440 | 29 | 1445 | 28 | CS | P | JJP |
| 8/25/95 | 207-208 | 99'-109' | | | | | EXT | - | JJP |
| 8/25/95 | 208-209 | 0'-99' | 1610 | 30 | 1615 | 30 | TT | P | JJP |
| 8/25/95 | 208-209 | 109'-162' | 1600 | 30 | 1605 | 30 | TT | P | JJP |
| 8/25/95 | 208-209 | 162'-172' | | | | | EXT | - | JJP |
| 8/25/95 | 208-209 | 172'-250' | 1605 | 29 | 1610 | 28 | CS | P | JJP |
| 8/25/95 | 208-209 | 250'-286' | 1608 | 30 | 1613 | 30 | CS | P | JJP |
| 8/25/95 | 208-209 | 286'-296' | | | | | EXT | - | JJP |
| 8/25/95 | 208-209 | 296'-340' | 1545 | 29 | 1550 | 28 | CS | P | JJP |
| 8/25/95 | 208-209 | 99'-109' | | | | | EXT | - | JJP |
| 8/26/95 | 209-210 | 0'-96' | 0700 | 30 | 0705 | 29 | AL | P | JJP |
| 8/26/95 | 209-210 | 106'-157' | 0734 | 30 | 0739 | 30 | AL | P | JJP |
| 8/26/95 | 209-210 | 157'-167' | | | | | EXT | - | JJP |
| 8/26/95 | 209-210 | 167'-230' | 1800 | 30 | 1805 | 30 | LK | P | JJP |
| 8/26/95 | 209-210 | 230'-281' | 1745 | 30 | 1750 | 29 | LK | P | JJP |
| 8/26/95 | 209-210 | 281'-291' | | | | | EXT | - | JJP |
| 8/26/95 | 209-210 | 291'-329' | 1853 | 30 | 1858 | 29 | LK | P | JJP |
| 8/26/95 | 209-210 | 96'-106' | | | | | EXT | - | JJP |
| 8/26/95 | 210-211 | 0'-31' | 1100 | 30 | 1105 | 29 | JM | P | JJP |
| 8/26/95 | 210-211 | 101'-111' | | | | | EXT | - | JJP |
| 8/26/95 | 210-211 | 111'-158' | 1050 | 30 | 1055 | 30 | JM | P | JJP |
| 8/26/95 | 210-211 | 158'-168' | | | | | EXT | - | JJP |
| 8/26/95 | 210-211 | 168'-190' | | | | | CAP | - | JJP |
| 8/26/95 | 210-211 | 190'-284' | 1055 | 30 | 1100 | 30 | LK | P | JJP |
| 8/26/95 | 210-211 | 284'-294' | | | | | EXT | - | JJP |
| 8/26/95 | 210-211 | 294'-327' | 1020 | 30 | 1025 | 30 | LK | P | JJP |
| 8/26/95 | 210-211 | 31'-101' | 1100 | 30 | 1105 | 30 | JM | P | JJP |
| 8/26/95 | 211-212 | 0'-100' | 1245 | 30 | 1250 | 30 | JM | P | JJP |
| 8/26/95 | 211-212 | 100'-110' | | | | | EXT | - | JJP |
| 8/26/95 | 211-212 | 110'-155' | 1253 | 30 | 1258 | 29 | JM | P | JJP |
| 8/26/95 | 211-212 | 155'-165' | | | | | EXT | - | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/26/95 | 211-212 | 165'-284' | 1124 | 30 | 1129 | 30 | LK | P | JJP |
| 8/26/95 | 211-212 | 284'-294' | | | | | EXT | - | JJP |
| 8/26/95 | 211-212 | 294'-314' | 1130 | 30 | 1135 | 28 | LK | P | JJP |
| 8/28/95 | 212-213 | 0'-98' | 1000 | 30 | 1005 | 30 | JM | P | JJP |
| 8/28/95 | 212-213 | 108'-149' | 1015 | 31 | 1020 | 29 | JM | P | JJP |
| 8/28/95 | 212-213 | 149'-159' | | | | | EXT | - | JJP |
| 8/28/95 | 212-213 | 159'-285' | 1455 | 30 | 1500 | 29 | CS | P | JJP |
| 8/28/95 | 212-213 | 98'-108' | | | | | EXT | - | JJP |
| 8/28/95 | 213-214 | 0'-101' | 0930 | 31 | 0935 | 30 | LK | P | JJP |
| 8/28/95 | 213-214 | 101'-111' | | | | | EXT | - | JJP |
| 8/28/95 | 213-214 | 111'-149' | 0940 | 30 | 0945 | 30 | KO | P | JJP |
| 8/28/95 | 213-214 | 149'-159' | | | | | EXT | - | JJP |
| 8/28/95 | 213-214 | 159'-280' | 1055 | 30 | 1100 | 30 | CS | P | JJP |
| 8/28/95 | 214-214 | 230'-275' | 1052 | 30 | 1057 | 29 | LK | P | JJP |
| 8/28/95 | 214-215 | 0'-104' | 1112 | 30 | 1117 | 29 | AL | P | JJP |
| 8/28/95 | 214-215 | 104'-114' | | | | | EXT | - | JJP |
| 8/28/95 | 214-215 | 114'-149' | 1125 | 29 | 1130 | 29 | AL | P | JJP |
| 8/28/95 | 214-215 | 149'-159' | | | | | EXT | - | JJP |
| 8/28/95 | 214-215 | 159'-182' | | | | | CAP | - | JJP |
| 8/28/95 | 214-215 | 182'-190' | 1055 | 29 | 1100 | 29 | LK | P | JJP |
| 8/28/95 | 214-215 | 190'-230' | 1105 | 30 | 1110 | 30 | LK | P | JJP |
| 8/28/95 | 215-216 | 0'-104' | 1400 | 31 | 1405 | 30 | JM | P | JJP |
| 8/28/95 | 215-216 | 104'-114' | | | | | EXT | - | JJP |
| 8/28/95 | 215-216 | 114'-149' | 1410 | 30 | 1415 | 30 | JM | P | JJP |
| 8/28/95 | 215-216 | 149'-159' | | | | | EXT | - | JJP |
| 8/28/95 | 215-216 | 159'-273' | 1442 | 30 | 1447 | 30 | LK | P | JJP |
| 8/28/95 | 216-217 | 0'-105' | 1505 | 30 | 1510 | 29 | JM | P | JJP |
| 8/28/95 | 216-217 | 105'-115' | | | | | EXT | - | JJP |
| 8/28/95 | 216-217 | 115'-141' | 1512 | 30 | 1517 | 29 | JM | P | JJP |
| 8/28/95 | 216-217 | 141'-158' | | | | | EXT | - | JJP |
| 8/28/95 | 216-217 | 158'-212' | 1520 | 30 | 1525 | 29 | LK | P | JJP |
| 8/28/95 | 216-217 | 212'-265' | 1538 | 29 | 1543 | 29 | LK | P | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/28/95 | 217-218 | 0'-104' | 1755 | 29 | 1800 | 28 | LK | P | JJP |
| 8/28/95 | 217-218 | 104'-114' | | | | | EXT | - | JJP |
| 8/28/95 | 217-218 | 114'-140' | 1740 | 30 | 1745 | 30 | JM | P | JJP |
| 8/28/95 | 217-218 | 140'-150' | | | | | EXT | - | JJP |
| 8/28/95 | 217-218 | 150-245 | 1735 | 30 | 1740 | 30 | KO | P | JJP |
| 8/29/95 | 190R1807 | 150'-191' | 1104 | 30 | 1109 | 29 | JM | P | JJP |
| 8/29/95 | 190R1809 | 102'-150' | 1055 | 30 | 1100 | 30 | JM | P | JJP |
| 8/29/95 | 190R1825 | 26'-89' | 0730 | 30 | 0735 | 30 | JM | P | JJP |
| 8/29/95 | 191R1807 | 150'-191 | 1106 | 30 | 1111 | 30 | JM | P | JJP |
| 8/29/95 | 191R1809 | 102'-150' | 1055 | 30 | 1100 | 30 | JM | P | JJP |
| 8/29/95 | 191R1811 | 163'-195' | 1115 | 33 | 1120 | 30 | JM | P | JJP |
| 8/29/95 | 191R1813 | 116'-158' | 0842 | 30 | 0847 | 29 | JM | P | JJP |
| 8/29/95 | 191R1822 | 31'-91' | 1500 | 31 | 1505 | 30 | JM | P | JJP |
| 8/29/95 | 191R1825 | 26'-89' | 0730 | 30 | 0735 | 30 | JM | P | JJP |
| 8/29/95 | 192R1811 | 163'-195' | 1115 | 30 | 1120 | 29 | JM | P | JJP |
| 8/29/95 | 192R1813 | 116'-158' | 0843 | 30 | 0848 | 30 | JM | P | JJP |
| 8/29/95 | 192R1816 | 119'-163' | 0903 | 30 | 0908 | 29 | JM | P | JJP |
| 8/29/95 | 192R1819 | 06'-87' | 0825 | 31 | 0830 | 30 | JM | P | JJP |
| 8/29/95 | 192R1822 | 31'-91' | 1450 | 30 | 1455 | 30 | JM | P | JJP |
| 8/29/95 | 193R1816 | 119'-163' | 0900 | 30 | 0905 | 30 | JM | P | JJP |
| 8/29/95 | 193R1819 | 06'-87' | 0833 | 32 | 0838 | 31 | JM | P | JJP |
| 8/30/95 | 218-219 | 0'-108' | 0700 | 30 | 0705 | 30 | JM | P | JJP |
| 8/30/95 | 218-219 | 108'-118' | | | | | EXT | - | JJP |
| 8/30/95 | 218-219 | 118'-138' | 0710 | 30 | 0715 | 29 | JM | P | JJP |
| 8/30/95 | 218-219 | 138'-148' | | | | | EXT | - | JJP |
| 8/30/95 | 218-219 | 138'-200' | 0700 | 30 | 0705 | 28 | LK | P | JJP |
| 8/30/95 | 218-219 | 200'-237' | | | | | CAP | - | JJP |
| 8/30/95 | 219-221 | 0'-108' | 1243 | 30 | 1248 | 30 | JM | P | JJP |
| 8/30/95 | 219-221 | 108'-125' | 1249 | 30 | 1254 | 00 | JM | P | JJP |
| 8/30/95 | 219-221 | 125'-142' | 1300 | 30 | 1305 | 28 | JM | P | JJP |
| 8/30/95 | 219-221 | 142'-152' | | | | | EXT | - | JJP |
| 8/30/95 | 219-221 | 152'-220' | 1307 | 30 | 1312 | 30 | LK | P | JJP |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/30/95 | 219-221 | 220'-240' | 1312 | 31 | 1317 | 30 | LK | P | JJP |
| 8/30/95 | 220-221 | 213'-240' | | | | | EXT | - | JJP |
| 8/30/95 | 220-222 | 0'-50' | 1340 | 30 | 1345 | 30 | JM | P | JJP |
| 8/30/95 | 220-222 | 106'-116' | | | | | EXT | - | JJP |
| 8/30/95 | 220-222 | 116'-156' | 1456 | 30 | 1501 | 30 | LK | P | JJP |
| 8/30/95 | 220-222 | 156'-175' | | | | | CAP | - | JJP |
| 8/30/95 | 220-222 | 50'-106' | 1346 | 30 | 1351 | 29 | JM | P | JJP |
| 8/30/95 | 221-222 | 175'-192' | 1322 | 31 | 1327 | 31 | LK | P | JJP |
| 8/30/95 | 221-222 | 192'-213' | | | | | CAP | - | JJP |
| 8/30/95 | 221-223 | 0'-10' | | | | | CAP | - | JJP |
| 8/30/95 | 221-223 | 10'-17' | 1520 | 27 | 1525 | 26 | JM | P | JJP |
| 8/30/95 | 221-223 | 115'-145' | 1540 | 30 | 1545 | 29 | JM | P | JJP |
| 8/30/95 | 221-223 | 145'-155' | | | | | EXT | - | JJP |
| 8/30/95 | 221-223 | 155'-175' | 1435 | 30 | 1440 | 30 | LK | P | JJP |
| 8/30/95 | 221-223 | 17'-115' | 1530 | 30 | 1535 | 30 | JM | P | JJP |
| 8/30/95 | 222-223 | 104'-123' | | | | | EXT | - | JJP |
| 8/30/95 | 222-223 | 123'-143' | 1453 | 30 | 1458 | 30 | JM | P | JJP |
| 8/30/95 | 222-224 | 12'-25' | 1320 | 30 | 1325 | 30 | LK | P | JJP |
| 8/30/95 | 222-224 | 25'-104' | 1608 | 30 | 1613 | 29 | LK | P | JJP |
| 8/30/95 | 223-224 | 100'-116' | 1553 | 29 | 1558 | 29 | LK | P | JJP |
| 8/30/95 | 223-224 | 116'-143' | 1552 | 29 | 1557 | 29 | LK | P | JJP |
| 8/30/95 | 223-225 | 63'-67' | | | | | CAP | - | JJP |
| 8/30/95 | 223-225 | 67'-100' | 1611 | 30 | 1616 | 30 | LK | P | JJP |
| 8/30/95 | 223-226 | 25'-63' | 1620 | 30 | 1625 | 29 | JM | P | JJP |
| 8/30/95 | 223-227 | 11'-25' | 1630 | 30 | 1635 | 29 | JM | P | JJP |
| 8/30/95 | 224-225 | 0'-28' | 1635 | 29 | 1640 | 28 | JM | P | JJP |
| 8/30/95 | 224-225 | 28'-74' | 1620 | 30 | 1625 | 29 | LK | P | JJP |
| 8/30/95 | 225-226 | 0'-50' | 1623 | 30 | 1628 | 30 | JM | P | JJP |
| 8/30/95 | 226-227 | 0'-16' | 1610 | 29 | 1615 | 28 | JM | P | JJP |
| 8/30/95 | 226-227 | 16'-21' | | | | | CAP | - | JJP |
| 8/31/95 | 188-228 | 24'-119' | 1707 | 30 | 1712 | 29 | JM | P | JJP |
| 8/31/95 | 188-238 | 0'-12' | 1700 | 30 | 1705 | 30 | JM | P | JJP |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 8/31/95 | 188-238 | 12'-24' | 1710 | 33 | 1715 | 33 | JM | P | JJP |
| 8/31/95 | 220-228 | 143'-186' | 1042 | 31 | 1047 | 30 | AL | P | JJP |
| 8/31/95 | 220-229 | 103'-157' | 1130 | 30 | 1135 | 30 | LK | P | JJP |
| 8/31/95 | 220-230 | 37'-93' | 1113 | 30 | 1118 | 29 | AL | P | JJP |
| 8/31/95 | 220-231 | 0'-37' | 1107 | 31 | 1112 | 31 | AL | P | JJP |
| 8/31/95 | 228-229 | 0'-04' | 1120 | 30 | 1125 | 30 | JM | P | JJP |
| 8/31/95 | 228-229 | 04'-68' | 1035 | 29 | 1040 | 28 | AL | P | JJP |
| 8/31/95 | 228-229 | 68'-84' | | | | | EXT | - | JJP |
| 8/31/95 | 228-229 | 84'-143" | 1032 | 29 | 1037 | 29 | AL | P | JJP |
| 8/31/95 | 228-232 | 150'-190' | 1401 | 30 | 1406 | 29 | SK | P | JJP |
| 8/31/95 | 228-233 | 0'-18' | 1315 | 29 | 1320 | 29 | KC | P | JJP |
| 8/31/95 | 228-233 | 112'-150' | 1351 | 30 | 1356 | 29 | SK | P | JJP |
| 8/31/95 | 228-233 | 18'-70' | 1321 | 29 | 1326 | 29 | KC | P | JJP |
| 8/31/95 | 228-233 | 70'-82' | | | | | EXT | - | JJP |
| 8/31/95 | 228-233 | 82'-112' | 1353 | 29 | 1358 | 28 | SK | P | JJP |
| 8/31/95 | 229-230 | 0'-07' | 1125 | 30 | 1130 | 30 | JM | P | JJP |
| 8/31/95 | 229-230 | 07'-86' | 1051 | 30 | 1056 | 30 | AL | P | JJP |
| 8/31/95 | 229-230 | 86'-96' | | | | | EXT | - | JJP |
| 8/31/95 | 230-231 | 0'-37' | 1105 | 30 | 1110 | 29 | AL | P | JJP |
| 8/31/95 | 232-233 | 123'-162' | 1410 | 30 | 1415 | 28 | SK | P | JJP |
| 8/31/95 | 232-234 | 100'-123' | 1505 | 29 | 1510 | 27 | SK | P | JJP |
| 8/31/95 | 232-235 | 64'-77' | | | | | CAP | - | JJP |
| 8/31/95 | 232-235 | 77'-100 | 1515 | 29 | 1520 | 29 | SK | P | JJP |
| 8/31/95 | 232-236 | 27'-43' | 1506 | 29 | 1511 | 29 | JM | P | JJP |
| 8/31/95 | 232-236 | 43'-64' | 1500 | 29 | 1505 | 27 | JM | P | JJP |
| 8/31/95 | 232-237 | 0'-27' | 1455 | 30 | 1500 | 29 | JM | P | JJP |
| 8/31/95 | 232-238 | 90'-119' | 1703 | 31 | 1708 | 30 | CS | P | JJP |
| 8/31/95 | 232-239 | 115'-150' | 1640 | 30 | 1645 | 30 | KO | P | JJP |
| 8/31/95 | 232-239 | 150'-160' | 1643 | 31 | 1648 | 30 | CS | P | JJP |
| 8/31/95 | 232-240 | 0'-44' | 1718 | 30 | 1723 | 29 | TT | P | JJP |
| 8/31/95 | 232-240 | 44'-57' | | | | | EXT | - | JJP |
| 8/31/95 | 232-240 | 57'-115' | 1645 | 30 | 1650 | 29 | KS | P | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

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|---|---|---|---|---|---|---|---|---|---|
| 8/31/95 | 233-234 | 0'-06' | 1330 | 30 | 1335 | 29 | JM | P | JJP |
| 8/31/95 | 233-234 | 06'-56' | 1331 | 31 | 1336 | 30 | JM | P | JJP |
| 8/31/95 | 233-234 | 56'-66' | | | | | EXT | - | JJP |
| 8/31/95 | 233-234 | 66'-116' | 1458 | 30 | 1503 | 28 | SK | P | JJP |
| 8/31/95 | 234-235 | 0'-48' | 1348 | 30 | 1353 | 30 | JM | P | JJP |
| 8/31/95 | 234-235 | 48'-58' | | | | | EXT | - | JJP |
| 8/31/95 | 234-235 | 58'-86' | 1515 | 30 | 1520 | 29 | SK | P | JJP |
| 8/31/95 | 235-236 | 0'-49' | 1400 | 31 | 1405 | 30 | JM | P | JJP |
| 8/31/95 | 236-237 | 0'-20' | 1454 | 29 | 1459 | 28 | JM | P | JJP |
| 8/31/95 | 238-239 | 0'-90' | 1653 | 30 | 1658 | 30 | JM | P | JJP |
| 8/31/95 | 239-240 | 17'-63' | 1650 | 30 | 1655 | 28 | CS | P | JJP |
| 8/31/95 | 239-241 | 0'-17' | 1641 | 30 | 1646 | 29 | JM | P | JJP |
| 8/31/95 | 240-241 | 0'-15' | 1640 | 30 | 1645 | 30 | JM | P | JJP |
| 9/1/95 | 183-243 | 140'-161' | | | | | EXT | - | JJP |
| 9/1/95 | 184-242 | 116'-132 | | | | | EXT | - | JJP |
| 9/1/95 | 184-243 | 132'-140' | | | | | EXT | - | JJP |
| 9/1/95 | 185-242 | 92'-116' | | | | | EXT | - | JJP |
| 9/1/95 | 186-242 | 67'-92' | | | | | EXT | - | JJP |
| 9/1/95 | 187-242 | 43'-67' | | | | | EXT | - | JJP |
| 9/1/95 | 188-242 | 19'-43' | | | | | EXT | - | JJP |
| 9/1/95 | 212-243 | 170'-174' | | | | | EXT | - | JJP |
| 9/1/95 | 213-243 | 150'-164' | | | | | EXT | - | JJP |
| 9/1/95 | 213-243 | 164'-170' | | | | | EXT | - | JJP |
| 9/1/95 | 215-242 | 106'-130' | | | | | EXT | - | JJP |
| 9/1/95 | 216-242 | 83'-106' | | | | | EXT | - | JJP |
| 9/1/95 | 217-242 | 60'-83' | | | | | EXT | - | JJP |
| 9/1/95 | 218-242 | 36'-60' | | | | | EXT | - | JJP |
| 9/1/95 | 219-242 | 14'-36' | | | | | EXT | - | JJP |
| 9/1/95 | 220-242 | 0'-02' | | | | | EXT | - | JJP |
| 9/1/95 | 221-242 | 02'-14' | | | | | EXT | - | JJP |
| 9/1/95 | 228-242 | 0'-11' | | | | | EXT | - | JJP |
| 9/1/95 | 238-242 | 0'-19' | | | | | EXT | - | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/1/95 | 243R1878 | 130'-150' | | | | | EXT | - | JJP |
| 9/5/95 | 172-245 | 65'-91' | | | | | EXT | - | JJP |
| 9/5/95 | 173-245 | 40'-65' | | | | | EXT | - | JJP |
| 9/5/95 | 174-245 | 17'-40' | | | | | EXT | - | JJP |
| 9/5/95 | 175-244 | 326'-333' | | | | | EXT | - | JJP |
| 9/5/95 | 175-245 | 10'-17' | | | | | EXT | - | JJP |
| 9/5/95 | 175-246 | 333'-343' | | | | | EXT | - | JJP |
| 9/5/95 | 176-244 | 303'-326' | | | | | EXT | - | JJP |
| 9/5/95 | 177-244 | 280'-303' | | | | | EXT | - | JJP |
| 9/5/95 | 178-244 | 257'-280' | | | | | EXT | - | JJP |
| 9/5/95 | 179-244 | 233'-257' | | | | | EXT | - | JJP |
| 9/5/95 | 180-243 | 209'-214' | | | | | EXT | - | JJP |
| 9/5/95 | 180-244 | 214'-233' | | | | | EXT | - | JJP |
| 9/5/95 | 181-243 | 191'-209' | | | | | EXT | - | JJP |
| 9/5/95 | 182-243 | 161'-191' | | | | | EXT | - | JJP |
| 9/5/95 | 199-245 | 87'-91' | | | | | EXT | - | JJP |
| 9/5/95 | 203-245 | 61'-87' | | | | | CAP | - | JJP |
| 9/5/95 | 204-205 | 366-371 | | | | | EXT | - | JJP |
| 9/5/95 | 204-245 | 37'-56' | | | | | EXT | - | JJP |
| 9/5/95 | 204-245 | 56'-61' | | | | | CAP | - | JJP |
| 9/5/95 | 205-245 | 14'-37' | | | | | EXT | - | JJP |
| 9/5/95 | 206-244 | 319'-330' | | | | | EXT | - | JJP |
| 9/5/95 | 206-245 | 8'-14' | | | | | EXT | - | JJP |
| 9/5/95 | 206-246 | 0'-08' | | | | | EXT | - | JJP |
| 9/5/95 | 207-244 | 295'-319' | | | | | EXT | - | JJP |
| 9/5/95 | 208-244 | 270'-295' | | | | | EXT | - | JJP |
| 9/5/95 | 209-244 | 247'-270' | | | | | EXT | - | JJP |
| 9/5/95 | 210-244 | 225'-247' | | | | | EXT | - | JJP |
| 9/5/95 | 211-243 | 199'-211' | | | | | EXT | - | JJP |
| 9/5/95 | 211-244 | 211'-225' | | | | | EXT | - | JJP |
| 9/5/95 | 212-243 | 174'-199' | | | | | EXT | - | JJP |
| 9/5/95 | 242-243 | 0'-20' | | | | | EXT | - | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/5/95 | 243-244 | 0'-21' | | | | | EXT | - | JJP |
| 9/5/95 | 244-246 | 0'-15' | | | | | EXT | - | JJP |
| 9/5/95 | 245-246 | 0'-14' | | | | | EXT | - | JJP |
| 9/8/95 | 06-248 | 100'-169' | 1325 | 29 | 1330 | 28 | AL | P | JJP |
| 9/8/95 | 06-251 | 169'-175' | 1338 | 30 | 1343 | 30 | SK | P | JJP |
| 9/8/95 | 06-251 | 175'-235' | 1345 | 31 | 1350 | 30 | SK | P | JJP |
| 9/8/95 | 06-251 | 235'-255' | | | | | EXT | - | JJP |
| 9/8/95 | 07-248 | 0'-86' | 1130 | 30 | 1135 | 29 | AL | P | JJP |
| 9/8/95 | 07-248 | 86'-100' | | | | | EXT | - | JJP |
| 9/8/95 | 18-249 | 0'-111' | 1355 | 30 | 1400 | 29 | LK | P | JJP |
| 9/8/95 | 247-248 | 0'-87' | 1040 | 30 | 1045 | 30 | JM | P | JJP |
| 9/8/95 | 247-248 | 157'-221' | 1057 | 30 | 1102 | 29 | LK | P | JJP |
| 9/8/95 | 247-248 | 221'-245' | | | | | EXT | - | JJP |
| 9/8/95 | 247-248 | 245'-363' | 1358 | 30 | 1403 | 30 | LK | P | JJP |
| 9/8/95 | 247-248 | 87'-97' | | | | | EXT | - | JJP |
| 9/8/95 | 247-248 | 97'-157' | 1056 | 30 | 1101 | 29 | LK | P | JJP |
| 9/8/95 | 248-249 | 245'-313' | 1350 | 30 | 1355 | 30 | LK | P | JJP |
| 9/8/95 | 248-250 | 313'-361' | 1351 | 30 | 1356 | 29 | LK | P | JJP |
| 9/8/95 | 248-251 | 169'-235' | 1332 | 28 | 1337 | 27 | SH | P | JJP |
| 9/8/95 | 248-251 | 235'-245' | | | | | EXT | - | JJP |
| 9/8/95 | 249-250 | 0'-40' | 1352 | 30 | 1357 | 30 | LK | P | JJP |
| 9/8/95 | 249-251 | 0'-13' | | | | | EXT | - | JJP |
| 9/9/95 | 247-252 | 0'-84' | 0840 | 30 | 0845 | 28 | LK | P | JJP |
| 9/9/95 | 247-252 | 227'-237' | | | | | EXT | - | JJP |
| 9/9/95 | 247-252 | 237'-370' | 0835 | 30 | 0840 | 28 | SK | P | JJP |
| 9/9/95 | 247-252 | 94'-227' | 0901 | 31 | 0906 | 30 | AL | P | JJP |
| 9/9/95 | 247-252' | 84'-94' | | | | | EXT | - | JJP |
| 9/9/95 | 252-253 | 0'-04' | 1030 | 30 | 1035 | 30 | AL | P | JJP |
| 9/9/95 | 252-253 | 04'-85' | 0935 | 30 | 0940 | 30 | TT | P | JJP |
| 9/9/95 | 252-253 | 222'-236' | | | | | EXT | - | JJP |
| 9/9/95 | 252-253 | 236'-380' | 1010 | 30 | 1015 | 29 | KO | P | JJP |
| 9/9/95 | 252-253 | 85'-95' | | | | | EXT | - | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/9/95 | 252-253 | 95'-222' | 0940 | 30 | 0945 | 28 | CS | P | JJP |
| 9/9/95 | 253-254 | 0'-86' | 1105 | 30 | 1110 | 29 | AL | P | JJP |
| 9/9/95 | 253-254 | 220'-234' | | | | | EXT | - | JJP |
| 9/9/95 | 253-254 | 234'-350 | 1107 | 30 | 1112 | 29 | SK | P | JJP |
| 9/9/95 | 253-254 | 350'-363' | | | | | EXT | - | JJP |
| 9/9/95 | 253-254 | 363'-390' | 1130 | 30 | 1135 | 29 | CS | P | JJP |
| 9/9/95 | 253-254 | 86'-96' | | | | | EXT | - | JJP |
| 9/9/95 | 253-254 | 96'-220' | 1130 | 30 | 1134 | 28 | SK | P | JJP |
| 9/9/95 | 254-255 | 0'-84' | 1335 | 31 | 1340 | 30 | AL | P | JJP |
| 9/9/95 | 254-255 | 216'-231' | | | | | EXT | - | JJP |
| 9/9/95 | 254-255 | 231'-345' | 1320 | 30 | 1325 | 28 | CS | P | JJP |
| 9/9/95 | 254-255 | 345'-357' | | | | | EXT | - | JJP |
| 9/9/95 | 254-255 | 357'-400' | 1350 | 30 | 1355 | 30 | CS | P | JJP |
| 9/9/95 | 254-255 | 84'-96' | | | | | EXT | - | JJP |
| 9/9/95 | 254-255 | 96'-216' | 1345 | 30 | 1350 | 29 | AL | P | JJP |
| 9/9/95 | 255-256 | 0'-86' | 1436 | 29 | 1441 | 28 | AL | P | JJP |
| 9/9/95 | 255-256 | 215'-227' | | | | | EXT | - | JJP |
| 9/9/95 | 255-256 | 227'-337' | 1450 | 30 | 1455 | 30 | KO | P | JJP |
| 9/9/95 | 255-256 | 337'-351' | | | | | EXT | - | JJP |
| 9/9/95 | 255-256 | 351'-407' | 1435 | 30 | 1440 | 29 | CS | P | JJP |
| 9/9/95 | 255-256 | 86'-96' | | | | | EXT | - | JJP |
| 9/9/95 | 255-256 | 96'-215' | 1445 | 30 | 1450 | 29 | AL | P | JJP |
| 9/9/95 | 256-257 | 0'-82' | 1600 | 30 | 1605 | 29 | AL | P | JJP |
| 9/9/95 | 256-257 | 210'-223' | | | | | EXT | - | JJP |
| 9/9/95 | 256-257 | 223'-335' | 1545 | 30 | 1550 | 30 | KO | P | JJP |
| 9/9/95 | 256-257 | 335'-348' | | | | | EXT | - | JJP |
| 9/9/95 | 256-257 | 348'-410' | 1513 | 30 | 1518 | 28 | CS | P | JJP |
| 9/9/95 | 256-257 | 82'-96' | | | | | EXT | - | JJP |
| 9/9/95 | 256-257 | 96'-210' | 1540 | 30 | 1545 | 27 | SK | P | JJP |
| 9/11/95 | 257-258 | 0'-79' | 0955 | 30 | 1000 | 30 | AL | P | JJP |
| 9/11/95 | 257-258 | 203'-217' | | | | | EXT | - | JJP |
| 9/11/95 | 257-258 | 217'-325' | 0903 | 30 | 0908 | 28 | CS | P | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/11/95 | 257-258 | 325'-338' | | | | | EXT | - | JJP |
| 9/11/95 | 257-258 | 338'-409' | 0930 | 30 | 0935 | 29 | CS | P | JJP |
| 9/11/95 | 257-258 | 79'-90' | | | | | EXT | - | JJP |
| 9/11/95 | 257-258 | 90'-203' | 1030 | 30 | 1035 | 29 | KC | P | JJP |
| 9/11/95 | 258-259 | 0'-77' | 1052 | 29 | 1057 | 27 | AL | P | JJP |
| 9/11/95 | 258-259 | 199'-212' | | | | | EXT | - | JJP |
| 9/11/95 | 258-259 | 212'-295' | 1040 | 30 | 1045 | 30 | CS | P | JJP |
| 9/11/95 | 258-259 | 295'-321' | 1046 | 30 | 1051 | 29 | CS | P | JJP |
| 9/11/95 | 258-259 | 321'-334' | | | | | EXT | - | JJP |
| 9/11/95 | 258-259 | 334'-410' | 1103 | 30 | 1108 | 30 | CS | P | JJP |
| 9/11/95 | 258-259 | 77'-89' | | | | | EXT | - | JJP |
| 9/11/95 | 258-259 | 89'-199' | 1110 | 30 | 1115 | 29 | KC | P | JJP |
| 9/11/95 | 259-260 | 0'-08' | 1245 | 30 | 1250 | 30 | AL | P | JJP |
| 9/11/95 | 259-260 | 08'-74' | 1253 | 30 | 1258 | 29 | AL | P | JJP |
| 9/11/95 | 259-260 | 194'-207' | | | | | EXT | - | JJP |
| 9/11/95 | 259-260 | 207'-235' | 1310 | 30 | 1315 | 29 | CS | P | JJP |
| 9/11/95 | 259-260 | 235'-290' | 1317 | 30 | 1322 | 28 | CS | P | JJP |
| 9/11/95 | 259-260 | 290'-316' | 1324 | 30 | 1329 | 29 | CS | P | JJP |
| 9/11/95 | 259-260 | 316'-329' | | | | | EXT | - | JJP |
| 9/11/95 | 259-260 | 329'-410' | 1330 | 30 | 1335 | 29 | CS | P | JJP |
| 9/11/95 | 259-260 | 74'-85' | | | | | EXT | - | JJP |
| 9/11/95 | 259-260 | 85'-194' | 1311 | 30 | 1316 | 29 | AL | P | JJP |
| 9/11/95 | 260-261 | 0'-73' | 1500 | 30 | 1505 | 29 | AL | P | JJP |
| 9/11/95 | 260-261 | 193'-204' | | | | | EXT | - | JJP |
| 9/11/95 | 260-261 | 204'-314' | 1500 | 30 | 1505 | 30 | CS | P | JJP |
| 9/11/95 | 260-261 | 314'-326' | | | | | EXT | - | JJP |
| 9/11/95 | 260-261 | 326'-412' | 1428 | 30 | 1433 | 29 | CS | P | JJP |
| 9/11/95 | 260-261 | 73'-84' | | | | | EXT | - | JJP |
| 9/11/95 | 260-261 | 84'-193' | 1525 | 29 | 1530 | 28 | KC | P | JJP |
| 9/11/95 | 261-262 | 0'-76' | 1605 | 29 | 1610 | 28 | KC | P | JJP |
| 9/11/95 | 261-262 | 101'-192' | 1640 | 30 | 1645 | 29 | KC | P | JJP |
| 9/11/95 | 261-262 | 192'-205' | | | | | EXT | - | JJP |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/11/95 | 261-262 | 205'-311' | 1700 | 30 | 1705 | 29 | CS | P | JJP |
| 9/11/95 | 261-262 | 311'-325' | | | | | EXT | - | JJP |
| 9/11/95 | 261-262 | 325'-360' | 1535 | 30 | 1540 | 30 | CS | P | JJP |
| 9/11/95 | 261-262 | 360'-390' | 1543 | 30 | 1548 | 29 | CS | P | JJP |
| 9/11/95 | 261-262 | 390'-430' | 1606 | 30 | 1611 | 30 | CS | P | JJP |
| 9/11/95 | 261-262 | 76'-87' | | | | | EXT | - | JJP |
| 9/11/95 | 261-262 | 87'-101' | 1630 | 29 | 1635 | 29 | KC | P | JJP |
| 9/11/95 | 262-263 | 0'-77' | 1740 | 30 | 1745 | 28 | AL | P | JJP |
| 9/11/95 | 262-263 | 189'-200' | | | | | EXT | - | JJP |
| 9/11/95 | 262-263 | 200'-308' | 1741 | 30 | 1746 | 29 | CS | P | JJP |
| 9/11/95 | 262-263 | 308'-320' | | | | | EXT | - | JJP |
| 9/11/95 | 262-263 | 320'-383' | 1732 | 30 | 1737 | 28 | CS | P | JJP |
| 9/11/95 | 262-263 | 383'-395' | | | | | EXT | - | JJP |
| 9/11/95 | 262-263 | 395'-443' | 1700 | 30 | 1705 | 30 | CS | P | JJP |
| 9/11/95 | 262-263 | 77'-88' | | | | | EXT | - | JJP |
| 9/11/95 | 262-263 | 88'- 189' | 1710 | 30 | 1715 | 27 | AL | P | JJP |
| 9/12/95 | 190-264 | 0'-84' | 0700 | 30 | 0705 | 28 | AL | P | JJP |
| 9/12/95 | 190-264 | 186'-203' | | | | | EXT | - | JJP |
| 9/12/95 | 190-264 | 203'-260' | 1104 | 30 | 1109 | 30 | CS | P | JJP |
| 9/12/95 | 190-264 | 260'-308' | 1055 | 30 | 1100 | 29 | CS | P | JJP |
| 9/12/95 | 190-264 | 308'-327' | | | | | EXT | - | JJP |
| 9/12/95 | 190-264 | 327'-386' | 0807 | 30 | 0812 | 29 | CSS | P | JJP |
| 9/12/95 | 190-264 | 386'-398' | | | | | EXT | - | JJP |
| 9/12/95 | 190-264 | 398'-420' | 0747 | 30 | 0752 | 28 | CS | P | JJP |
| 9/12/95 | 190-264 | 84'-98' | | | | | EXT | - | JJP |
| 9/12/95 | 190-264 | 98'- 186' | 0745 | 29 | 0750 | 27 | AL | P | JJP |
| 9/12/95 | 263-264 | 356'-380' | 0800 | 30 | 0805 | 29 | CS | P | JJP |
| 9/12/95 | 263-264 | 380'-391' | | | | | EXT | - | JJP |
| 9/12/95 | 263-264 | 391'-417' | 0740 | 30 | 0745 | 29 | CS | P | JJP |
| 9/12/95 | 263-265 | 315'-319' | | | | | EXT | - | JJP |
| 9/12/95 | 263-265 | 319'-356' | 0955 | 30 | 1000 | 29 | CS | P | JJP |
| 9/12/95 | 263-266 | 285'-308' | 1030 | 30 | 1035 | 30 | CS | P | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/12/95 | 263-266 | 308'-315' | | | | | EXT | - | JJP |
| 9/12/95 | 263-267 | 220'-285' | 1238 | 30 | 1243 | 30 | SK | P | JJP |
| 9/12/95 | 263-268 | 148'-192' | 1250 | 30 | 1255 | 28 | SK | P | JJP |
| 9/12/95 | 263-268 | 192'-202' | | | | | EXT | - | JJP |
| 9/12/95 | 263-268 | 202'-220' | 1237 | 30 | 1242 | 30 | SK | P | JJP |
| 9/12/95 | 263-269 | 0'-80' | 1320 | 30 | 1325 | 28 | KC | P | JJP |
| 9/12/95 | 263-269 | 80'-92' | | | | | EXT | - | JJP |
| 9/12/95 | 263-269 | 92'-148' | 1130 | 30 | 1135 | 30 | AL | P | JJP |
| 9/12/95 | 264-265 | 315'-321' | | | | | EXT | - | JJP |
| 9/12/95 | 264-265 | 321'-333' | 0949 | 30 | 0954 | 30 | CS | P | JJP |
| 9/12/95 | 264-265 | 333'-343' | 0942 | 30 | 0947 | 29 | CS | P | JJP |
| 9/12/95 | 264-265 | 343'-356' | 0935 | 30 | 0940 | 30 | CS | P | JJP |
| 9/12/95 | 264-266 | 0'-80' | 0935 | 30 | 0940 | 29 | AL | P | JJP |
| 9/12/95 | 264-266 | 184'-196' | | | | | EXT | - | JJP |
| 9/12/95 | 264-266 | 196'-309' | 1020 | 30 | 1025 | 29 | CS | P | JJP |
| 9/12/95 | 264-266 | 309'-315' | | | | | EXT | - | JJP |
| 9/12/95 | 264-266 | 80'-94' | | | | | EXT | - | JJP |
| 9/12/95 | 264-266 | 94'-184' | 0941 | 30 | 0946 | 29 | KC | P | JJP |
| 9/12/95 | 265-266 | 0'-16' | | | | | EXT | - | JJP |
| 9/12/95 | 266-267 | 0'-85' | 1020 | 30 | 1025 | 28 | AL | P | JJP |
| 9/12/95 | 266-267 | 188'-200' | | | | | EXT | - | JJP |
| 9/12/95 | 266-267 | 200'-290' | 1033 | 30 | 1038 | 30 | CS | P | JJP |
| 9/12/95 | 266-267 | 85'-96' | | | | | EXT | - | JJP |
| 9/12/95 | 266-267 | 96'- 188' | 1006 | 29 | 1011 | 28 | AL | P | JJP |
| 9/12/95 | 267-268 | 193'-203' | | | | | EXT | - | JJP |
| 9/12/95 | 267-268 | 203'-225' | 1235 | 30 | 1240 | 30 | SK | P | JJP |
| 9/12/95 | 267-268 | 8'-85' | 1111 | 30 | 1116 | 29 | AL | P | JJP |
| 9/12/95 | 267-268 | 85'-96' | | | | | EXT | - | JJP |
| 9/12/95 | 267-268 | 96'- 193' | 1105 | 31 | 1110 | 30 | AL | P | JJP |
| 9/12/95 | 268-269 | 77'-96' | | | | | EXT | - | JJP |
| 9/12/95 | 268-269 | 96'-155' | 1122 | 30 | 1127 | 29 | AL | P | JJP |
| 9/12/95 | 268-270 | 12'-77' | 1250 | 30 | 1255 | 28 | AL | P | JJP |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/12/95 | 269-270 | 13'-77' | 1310 | 29 | 1315 | 28 | KC | P | JJP |
| 9/12/95 | 269-271 | 0'-13' | 1320 | 30 | 1325 | 30 | KC | P | JJP |
| 9/13/95 | 159-278 | 123'-134' | 1526 | 30 | 1531 | 29 | JM | P | JJP |
| 9/13/95 | 159-281S | 0'-16' | | | | | EXT | - | JJP |
| 9/13/95 | 159-281W | 0'-4' | | | | | EXT | - | JJP |
| 9/13/95 | 160-278 | 101'-123' | | | | | EXT | - | JJP |
| 9/13/95 | 161-277 | 80'-101' | | | | | EXT | - | JJP |
| 9/13/95 | 162-277 | 58'-80' | | | | | EXT | - | JJP |
| 9/13/95 | 163-276 | 33'-58' | | | | | EXT | - | JJP |
| 9/13/95 | 164-276 | 13'-33' | | | | | EXT | - | JJP |
| 9/13/95 | 165-276 | 07'-13' | | | | | EXT | - | JJP |
| 9/13/95 | 167-275 | 18'-38' | | | | | EXT | - | JJP |
| 9/13/95 | 167-276 | 0'-07' | | | | | EXT | - | JJP |
| 9/13/95 | 167-276 | 0'-10' | | | | | EXT | - | JJP |
| 9/13/95 | 168-275 | 0'-18' | | | | | EXT | - | JJP |
| 9/13/95 | 169-274 | 21'-35' | | | | | EXT | - | JJP |
| 9/13/95 | 169-275 | 0'-20' | | | | | EXT | - | JJP |
| 9/13/95 | 170-274 | 0'-21' | 1530 | 30 | 1535 | 29 | JM | P | JJP |
| 9/13/95 | 171-274 | 0'-16' | 1723 | 30 | 1728 | 27 | JM | P | JJP |
| 9/13/95 | 190-273 | 155-176' | | | | | CAP | - | JJP |
| 9/13/95 | 191-273 | 133'-155' | | | | | EXT | - | JJP |
| 9/13/95 | 192-273 | 110'-133' | | | | | EXT | - | JJP |
| 9/13/95 | 193-273 | 89'-110' | 0807 | 30 | 0812 | 30 | LK | P | JJP |
| 9/13/95 | 194-273 | 67'-89' | 0800 | 30 | 0805 | 29 | KO | P | JJP |
| 9/13/95 | 195-273 | 44'-67' | 1746 | 30 | 1951 | 29 | KO | P | JJP |
| 9/13/95 | 196-273 | 22'-44' | 1935 | 30 | 1940 | 29 | KO | P | JJP |
| 9/13/95 | 197-273 | 2'-22' | 1736 | 30 | 1741 | 29 | JM | P | JJP |
| 9/13/95 | 198-273 | 0'-2' | | | | | EXT | - | JJP |
| 9/13/95 | 198-279 | 02'-27' | 1620 | 30 | 1625 | 28 | JM | P | JJP |
| 9/13/95 | 199-279 | 0'-2' | | | | | EXT | - | JJP |
| 9/13/95 | 245-279 | 0'-23' | 1626 | 30 | 1631 | 29 | JM | P | JJP |
| 9/13/95 | 262-280 | 8'-36' | | | | | EXT | - | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/13/95 | 263-273 | 2'-21' | | | | | EXT | - | JJP |
| 9/13/95 | 263-274 | 21'-29' | | | | | EXT | - | JJP |
| 9/13/95 | 263-280 | 0'-8' | | | | | EXT | - | JJP |
| 9/13/95 | 264-273 | 0'-2' | | | | | PATCH | - | JJP |
| 9/13/95 | 267-272 | 0'-6' | 1340 | 30 | 1345 | 29 | KC | P | JJP |
| 9/13/95 | 267-272 | 6'-16' | 1345 | 30 | 1350 | 29 | KC | P | JJP |
| 9/13/95 | 268-271 | 0'-10' | | | | | CAP | - | JJP |
| 9/13/95 | 268-271 | 10'-12' | | | | | EXT | - | JJP |
| 9/13/95 | 268-272 | 0'-8' | | | | | EXT | - | JJP |
| 9/13/95 | 270-271 | 0'-19' | 1325 | 30 | 1330 | 29 | KC | P | JJP |
| 9/13/95 | 273-274 | 0'- 137' | 1442 | 30 | 1447 | 28 | JM | P | JJP |
| 9/13/95 | 273-274 | 137'-146' | | | | | CAP | - | JJP |
| 9/13/95 | 273-274 | 146'-188' | 1437 | 30 | 1442 | 28 | SK | P | JJP |
| 9/13/95 | 273-279 | 0'-17' | 1707 | 30 | 1712 | 29 | JM | P | JJP |
| 9/13/95 | 274-275 | 172'-189' | 1506 | 30 | 1511 | 28 | JM | P | JJP |
| 9/13/95 | 274-275 | 35'-172' | 1457 | 29 | 1502 | 29 | JM | P | JJP |
| 9/13/95 | 274-280 | 29'-43' | | | | | EXT | - | JJP |
| 9/13/95 | 275-276 | 38'-96' | 1520 | 30 | 1525 | 30 | JM | P | JJP |
| 9/13/95 | 275-277 | 96'-139' | 1543 | 30 | 1548 | 30 | JM | P | JJP |
| 9/13/95 | 275-278 | 139'-169' | 1555 | 30 | 1600 | 30 | JM | P | JJP |
| 9/13/95 | 275-280 | 0'-37' | | | | | EXT | - | JJP |
| 9/13/95 | 275-280 | 43'-51' | | | | | EXT | - | JJP |
| 9/13/95 | 275-281 | 169'-182' | | | | | EXT | - | JJP |
| 9/13/95 | 276-277 | 0'-11' | 1526 | 30 | 1531 | 29 | JM | P | JJP |
| 9/13/95 | 277-278 | 0'-10' | 1549 | 30 | 1554 | 30 | JM | P | JJP |
| 9/13/95 | 278-281 | 0'-10' | | | | | EXT | - | JJP |
| 9/13/95 | 279-171 | 0'-24' | 1637 | 30 | 1642 | 27 | JM | P | JJP |
| 9/16/95 | 19-284 | 77'-94' | 1502 | 30 | 1507 | 29 | JM | P | KFD |
| 9/16/95 | 20-284 | 94'-117' | 1505 | 31 | 1510 | 31 | LK | P | KFD |
| 9/16/95 | 282-283 | 0'-46' | 1240 | 30 | 1245 | 30 | JM | P | KFD |
| 9/16/95 | 282-283 | 109'-124' | | | | | EXT | - | KFD |
| 9/16/95 | 282-283 | 124'-225' | 1305 | 30 | 1310 | 30 | JM | P | KFD |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/16/95 | 282-283 | 225'-239' | | | | | CAP | - | KFD |
| 9/16/95 | 282-283 | 239'-295' | | | | | CAP | | KFD |
| 9/16/95 | 282-283 | 295'-335' | | | | | CAP | | KFD |
| 9/16/95 | 282-283 | 46'-109' | 1300 | 30 | 1305 | 29 | JM | P | KFD |
| 9/16/95 | 283-284 | 147'-160' | | | | | CAP | - | KFD |
| 9/16/95 | 283-284 | 160'-266' | 1433 | 29 | 1438 | 28 | OK | P | KFD |
| 9/16/95 | 283-284 | 45'-147' | 1340 | 30 | 1345 | 30 | JM | P | KFD |
| 9/16/95 | 283-285 | 0'-32' | 1335 | 30 | 1340 | 29 | JM | P | KFD |
| 9/16/95 | 284-286 | 0'-10' | | | | | EXT | - | KFD |
| 9/16/95 | 284-286 | 10'-34' | 1550 | 30 | 1555 | 29 | LK | P | KFD |
| 9/16/95 | 30-284 | 50'-55' | | | | | EXT | - | KFD |
| 9/16/95 | 30-284 | 55'-77' | | | | | CAP | - | KFD |
| 9/16/95 | 31-284 | 34'-50' | | | | | EXT | - | KFD |
| 9/16/95 | 31-286 | 0'-10' | | | | | EXT | - | KFD |
| 9/16/95 | 74-282 | 0'-109' | | | | | EXT | - | KFD |
| 9/16/95 | 74-283 | 109'-189' | | | | | EXT | - | KFD |
| 9/16/95 | 74-283 | 32'-45' | | | | | EXT | - | KFD |
| 9/16/95 | 74-284 | 0'-56' | | | | | CAP | - | KFD |
| 9/16/95 | 74-284 | 56'-100' | 1357 | 30 | 1402 | 30 | JM | P | KFD |
| 9/16/95 | 74-285 | 0'-10' | | | | | EXT | - | JJP |
| 9/16/95 | 74-285 | 189'-219' | 1335 | 30 | 1340 | 29 | JM | P | KFD |
| 9/16/95 | 74-286 | 100'-142' | | | | | EXT | - | KFD |
| 9/21/95 | 282-287 | 0'-20' | | | | | EXT | - | JJP |
| 9/21/95 | 282-287 | 106'-222' | 1542 | 29 | 1547 | 28 | CS | P | JJP |
| 9/21/95 | 282-287 | 20'-96' | 1520 | 30 | 1525 | 28 | SK | P | JJP |
| 9/21/95 | 282-287 | 222'-232' | | | | | EXT | - | JJP |
| 9/21/95 | 282-287 | 232'-336' | 1535 | 29 | 1540 | 29 | CS | P | JJP |
| 9/21/95 | 282-287 | 336'-351' | | | | | EXT | - | JJP |
| 9/21/95 | 282-287 | 351'-375' | 1526 | 30 | 1531 | 30 | CS | P | JJP |
| 9/21/95 | 282-287 | 375'-450' | 1525 | 29 | 1530 | 28 | CS | P | JJP |
| 9/21/95 | 282-287 | 96'-106' | | | | | EXT | - | JJP |
| 9/28/95 | 120-296 | 74'-98' | | | | | EXT | - | JJP |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 9/28/95 | 121-295 | 106'-122' | 1418 | 30 | 1423 | 30 | LK | P | JJP |
| 9/28/95 | 121-296 | 98'-101' | | | | | EXT | - | JJP |
| 9/28/95 | 121R2291 | 101'-106' | | | | | CAP | - | JJP |
| 9/28/95 | 131-292 | 50'-52' | | | | | EXT | - | JJP |
| 9/28/95 | 131-293 | 52'-74' | | | | | EXT | - | JJP |
| 9/28/95 | 132-291 | 26'-27' | | | | | EXT | - | JJP |
| 9/28/95 | 132-292 | 27'-50' | | | | | EXT | - | JJP |
| 9/28/95 | 137-291 | 0'-4' | | | | | EXT | - | JJP |
| 9/28/95 | 138-291 | 4'-26' | | | | | EXT | - | JJP |
| 9/28/95 | 288-289 | 119'-160' | 1107 | 30 | 1112 | 30 | JM | P | JJP |
| 9/28/95 | 288-289 | 57'-70' | 1100 | 30 | 1105 | 30 | JM | P | JJP |
| 9/28/95 | 288-289 | 70'-119' | 1100 | 30 | 1105 | 29 | JM | P | JJP |
| 9/28/95 | 288-291 | 0-23' | 1136 | 30 | 1141 | 28 | JM | P | JJP |
| 9/28/95 | 289-290 | 157'-178' | 1320 | 30 | 1325 | 30 | KO | P | JJP |
| 9/28/95 | 289-290 | 67'-76' | | | | | EXT | - | JJP |
| 9/28/95 | 289-290 | 76'-157' | 1120 | 30 | 1125 | 28 | JM | P | JJP |
| 9/28/95 | 289-292 | 23'-45' | 1245 | 30 | 1250 | 30 | JM | P | JJP |
| 9/28/95 | 290-293 | 45'-67' | 1235 | 30 | 1240 | 29 | JM | P | JJP |
| 9/28/95 | 290-294 | 76'-98' | | | | | EXT | - | JJP |
| 9/28/95 | 290-294 | 98'-196' | 1555 | 30 | 1600 | 29 | JM | P | JJP |
| 9/28/95 | 291-292 | 0'-30' | 1250 | 30 | 1255 | 29 | JM | P | JJP |
| 9/28/95 | 291-292 | 30'-57' | 1135 | 30 | 1140 | 29 | JM | P | JJP |
| 9/28/95 | 292-293 | 0'-67' | 1240 | 30 | 1245 | 30 | JM | P | JJP |
| 9/28/95 | 293-294 | 41'-46' | | | | | EXT | - | JJP |
| 9/28/95 | 293-294 | 46'-76' | 1540 | 30 | 1545 | 29 | JM | P | JJP |
| 9/28/95 | 293-296 | 0'-20' | 1603 | 28 | 1608 | 28 | LK | P | JJP |
| 9/28/95 | 293-298 | 20'-41' | 1426 | 30 | 1431 | 30 | LK | P | JJP |
| 9/28/95 | 294-295 | 105'-115' | | | | | EXT | - | JJP |
| 9/28/95 | 294-295 | 115'-203' | 0712 | 31 | 0717 | 30 | JM | P | JJP |
| 9/28/95 | 294-295 | 203'-224' | | | | | EXT | - | JJP |
| 9/28/95 | 294-298 | 0'-22' | 0740 | 30 | 0745 | 29 | LK | P | JJP |
| 9/28/95 | 294R2293 | 56'-105' | | | | | CAP | - | JJP |

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|---|---|---|---|---|---|---|---|---|---|
| 9/28/95 | 295-297 | 216'-226' | | | | | EXT | - | JJP |
| 9/28/95 | 295-297 | 7'-116' | 1710 | 30 | 1715 | 28 | SH | P | JJP |
| 9/28/95 | 295R2291 | 0'-35' | | | | | CAP | - | JJP |
| 9/28/95 | 295R2292 | 35'-56' | | | | | CAP | - | JJP |
| 9/28/95 | 295R2293 | 56'-105' | | | | | CAP | - | JJP |
| 9/28/95 | 296R2291 | 0'-35' | | | | | CAP | - | JJP |
| 9/28/95 | 297-299 | 128'-138' | | | | | EXT | - | JJP |
| 9/28/95 | 297-299 | 138'-231' | 0720 | 30 | 0725 | 30 | JM | P | JJP |
| 9/28/95 | 297-299 | 43'-128' | 1730 | 30 | 1735 | 27 | SH | P | JJP |
| 9/28/95 | 298R2292 | 35'-56' | | | | | CAP | - | JJP |
| 9/29/95 | 122-295 | 122'-130' | 0736 | 31 | 0741 | 30 | JM | P | JJP |
| 9/29/95 | 122-300 | 130'-145' | 0736 | 30 | 0741 | 30 | JM | P | JJP |
| 9/29/95 | 125-300 | 145'-155' | 0823 | 30 | 0828 | 30 | JM | P | JJP |
| 9/29/95 | 125R2344 | 155'-168' | | | | | CAP | - | JJP |
| 9/29/95 | 126-304 | 177'-190' | | | | | EXT | - | JJP |
| 9/29/95 | 126R2344 | 168'-177' | | | | | CAP | - | JJP |
| 9/29/95 | 295-297 | 116'-124' | | | | | EXT | - | JJP |
| 9/29/95 | 295-297 | 124'-216' | 0715 | 30 | 0720 | 30 | JM | P | JJP |
| 9/29/95 | 295-297 | 226'-240' | 0856 | 30 | 0901 | 30 | JM | P | JJP |
| 9/29/95 | 295-300 | 0'-7' | 0900 | 30 | 0905 | 28 | CS | P | JJP |
| 9/29/95 | 296-298 | 0'-22' | 0816 | 30 | 0821 | 29 | LK | P | JJP |
| 9/29/95 | 297-299 | 231'-241' | | | | | EXT | - | JJP |
| 9/29/95 | 297-299 | 241'-261' | 0855 | 30 | 0900 | 30 | JM | P | JJP |
| 9/29/95 | 297-300 | 0'-22' | 0730 | 30 | 0735 | 29 | JM | P | JJP |
| 9/29/95 | 297-301 | 20'-43' | 0725 | 30 | 0730 | 30 | JM | P | JJP |
| 9/29/95 | 299-302 | 103'-133' | 1325 | 30 | 1330 | 30 | LK | P | JJP |
| 9/29/95 | 299-302 | 133'-145' | | | | | EXT | - | JJP |
| 9/29/95 | 299-302 | 145'-239' | 1446 | 30 | 1451 | 28 | AL | P | JJP |
| 9/29/95 | 299-302 | 239'-251' | | | | | EXT | - | JJP |
| 9/29/95 | 299-302 | 251'-278' | 1435 | 32 | 1440 | 31 | AL | P | JJP |
| 9/29/95 | 299-304 | 49'-103' | 1440 | 30 | 1445 | 29 | CS | P | JJP |
| 9/29/95 | 300-301 | 0'-20' | 1070 | 30 | 1045 | 29 | LK | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|
| 9/29/95 | 301-299 | 0'-22' | 1030 | 30 | 1035 | 29 | LK | P | JJP |
| 9/29/95 | 301-304 | 0'-7' | | | | | CAP | - | JJP |
| 9/29/95 | 301-304 | 7'-49' | 1450 | 30 | 1455 | 29 | LK | P | JJP |
| 9/29/95 | 301R2344 | 155'-177' | | | | | CAP | - | JJP |
| 9/29/95 | 302-303 | 105'-134' | 1427 | 30 | 1432 | 29 | LK | P | JJP |
| 9/29/95 | 302-303 | 134'-146' | | | | | EXT | - | JJP |
| 9/29/95 | 302-303 | 146'-243' | 1453 | 31 | 1458 | 30 | AL | P | JJP |
| 9/29/95 | 302-303 | 243'-253' | | | | | EXT | - | JJP |
| 9/29/95 | 302-303 | 253'-284' | 1441 | 30 | 1146 | 30 | AL | P | JJP |
| 9/29/95 | 302-304 | 0'-22' | 1510 | 30 | 1515 | 30 | LK | P | JJP |
| 9/29/95 | 303-304 | 90'-105' | 1511 | 29 | 1516 | 29 | JM | P | JJP |
| 9/29/95 | 303-305 | 0'-22' | 1516 | 32 | 1521 | 31 | LK | P | JJP |
| 9/29/95 | 304-305 | 00'-90' | 1517 | 30 | 1522 | 29 | LK | P | JJP |
| 9/29/95 | 305-306 | 0'-63' | 1540 | 30 | 1545 | 29 | LK | P | JJP |
| 9/30/95 | 303-307 | 134'-144' | | | | | EXT | - | JJP |
| 9/30/95 | 303-307 | 144'-242' | 0820 | 30 | 0825 | 28 | AL | P | JJP |
| 9/30/95 | 303-307 | 242'-252' | | | | | EXT | - | JJP |
| 9/30/95 | 303-307 | 252'-288' | 0806 | 31 | 0811 | 30 | AL | P | JJP |
| 9/30/95 | 303-307 | 91'-134' | 0800 | 30 | 0805 | 30 | CS | P | JJP |
| 9/30/95 | 305-307 | 63'-91' | 0807 | 30 | 0812 | 30 | CS | P | JJP |
| 9/30/95 | 306-307 | 0'-22' | 0817 | 30 | 0822 | 30 | CS | P | JJP |
| 9/30/95 | 306-308 | 00'-70' | 0905 | 30 | 0910 | 29 | CS | P | JJP |
| 9/30/95 | 307-308 | 142'-155' | | | | | EXT | - | JJP |
| 9/30/95 | 307-308 | 155'-253' | 0850 | 30 | 0810 | 29 | AL | P | JJP |
| 9/30/95 | 307-308 | 253'-264' | | | | | EXT | - | JJP |
| 9/30/95 | 307-308 | 264'-308' | 0901 | 30 | 0906 | 30 | AL | P | JJP |
| 9/30/95 | 307-308 | 70'-142' | 0843 | 30 | 0848 | 30 | LK | P | JJP |
| 9/30/95 | 308-309 | 0'-20' | 1005 | 30 | 1010 | 30 | CS | P | JJP |
| 9/30/95 | 308-310 | 146'-156' | | | | | EXT | - | JJP |
| 9/30/95 | 308-310 | 156'-260' | 1005 | 30 | 1010 | 29 | SH | P | JJP |
| 9/30/95 | 308-310 | 20'-146' | 0945 | 30 | 0950 | 29 | CS | P | JJP |
| 9/30/95 | 308-310 | 260'-270' | | | | | EXT | - | JJP |

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|---|---|---|---|---|---|---|---|---|---|
| 9/30/95 | 308-310 | 270'-318' | 0910 | 30 | 0915 | 29 | AL | P | JJP |
| 9/30/95 | 309-310 | 0'-22' | 1000 | 30 | 1005 | 30 | CS | P | JJP |
| 9/30/95 | 309-312 | 0'-27' | 1050 | 30 | 1055 | 30 | CS | P | JJP |
| 9/30/95 | 310-311 | 100'-147' | 1020 | 30 | 1025 | 30 | CS | P | JJP |
| 9/30/95 | 310-311 | 147'-158' | | | | | EXT | - | JJP |
| 9/30/95 | 310-311 | 158'-266' | 1030 | 30 | 1035 | 28 | SH | P | JJP |
| 9/30/95 | 310-311 | 266'-276' | | | | | EXT | - | JJP |
| 9/30/95 | 310-311 | 276'-327' | 1055 | 31 | 1100 | 30 | AL | P | JJP |
| 9/30/95 | 310-311 | 73'-100' | 1022 | 30 | 1027 | 30 | CS | P | JJP |
| 9/30/95 | 310-312 | 27'-73' | 1050 | 30 | 1055 | 30 | CS | P | JJP |
| 9/30/95 | 311-312 | 0'-22' | 1035 | 30 | 1040 | 29 | CS | P | JJP |
| 9/30/95 | 311-313 | 154'-166' | | | | | EXT | - | JJP |
| 9/30/95 | 311-313 | 166'-273' | 1108 | 30 | 1113 | 28 | SH | P | JJP |
| 9/30/95 | 311-313 | 273'-283' | | | | | EXT | - | JJP |
| 9/30/95 | 311-313 | 283'-337' | 1120 | 30 | 1125 | 29 | AL | P | JJP |
| 9/30/95 | 311-313 | 70'- 154' | 1106 | 30 | 1111 | 29 | CS | P | JJP |
| 9/30/95 | 312-313 | 0'-70' | 1125 | 30 | 1130 | 28 | CS | P | JJP |
| 9/30/95 | 313-314 | 0'-46' | 1314 | 29 | 1319 | 29 | CS | P | JJP |
| 9/30/95 | 313-314 | 133'-150' | 1305 | 31 | 1310 | 31 | LK | P | JJP |
| 9/30/95 | 313-314 | 150'-173' | | | | | EXT | - | JJP |
| 9/30/95 | 313-314 | 173'-285' | 1306 | 30 | 1311 | 29 | JM | P | JJP |
| 9/30/95 | 313-314 | 285'-295' | | | | | EXT | - | JJP |
| 9/30/95 | 313-314 | 295'-354' | 1300 | 30 | 1305 | 28 | JM | P | JJP |
| 9/30/95 | 313-314 | 46'-65' | | | | | EXT | - | JJP |
| 9/30/95 | 313-314 | 65'-133' | 1304 | 29 | 1309 | 28 | LK | P | JJP |
| 9/30/95 | 314-315 | 0'-47' | 1438 | 30 | 1443 | 28 | LK | P | JJP |
| 9/30/95 | 314-315 | 161'-173' | | | | | EXT | - | JJP |
| 9/30/95 | 314-315 | 173'-283' | 1422 | 30 | 1427 | 29 | JM | P | JJP |
| 9/30/95 | 314-315 | 283'-293' | | | | | EXT | - | JJP |
| 9/30/95 | 314-315 | 293'-356' | 1445 | 30 | 1450 | 29 | JM | P | JJP |
| 9/30/95 | 314-315 | 47'-59' | | | | | EXT | - | JJP |
| 9/30/95 | 314-315 | 59'-161' | 1430 | 29 | 1435 | 29 | LK | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|
| 10/2/95 | 315-316 | 0'-47' | 0830 | 30 | 0835 | 30 | KS | P | NMB |
| 10/2/95 | 315-316 | 163'-176' | | | | | EXT | - | NMB |
| 10/2/95 | 315-316 | 176'-285' | 0922 | 30 | 0927 | 30 | AL | P | NMB |
| 10/2/95 | 315-316 | 285'-295' | | | | | EXT | - | NMB |
| 10/2/95 | 315-316 | 295'-362' | 0915 | 30 | 0920 | 27 | AL | P | NMB |
| 10/2/95 | 315-316 | 47'-60' | | | | | EXT | - | NMB |
| 10/2/95 | 315-316 | 60'-163' | 0905 | 30 | 0910 | 30 | CS | P | NMB |
| 10/2/95 | 316-317 | 308'-291' | | | | | EXT | - | NMB |
| 10/2/95 | 316-317 | 373'-308' | 1055 | 30 | 1100 | 29 | JM | P | NMB |
| 10/2/95 | 316-318 | 172'-141' | 1325 | 30 | 1330 | 29 | JM | P | NMB |
| 10/2/95 | 316-318 | 183'-172' | | | | | EXT | - | NMB |
| 10/2/95 | 316-318 | 250'-183' | 1241 | 30 | 1246 | 30 | JM | P | NMB |
| 10/2/95 | 316-319 | 291'-250' | 1240 | 30 | 1245 | 30 | JM | P | NMB |
| 10/2/95 | 316-321 | 141'-75' | 1340 | 30 | 1345 | 30 | JM | P | NMB |
| 10/2/95 | 316-321 | 54'-31' | 1320 | 30 | 1325 | 29 | KO | P | NMB |
| 10/2/95 | 316-321 | 75'-54' | | | | | EXT | - | NMB |
| 10/2/95 | 316-322 | 31'-0' | 1305 | 30 | 1310 | 30 | KO | P | NMB |
| 10/2/95 | 317-318 | 182'-74' | 1135 | 30 | 1140 | 30 | CS | P | NMB |
| 10/2/95 | 317-318 | 194'-182' | | | | | EXT | - | NMB |
| 10/2/95 | 317-318 | 255'-194' | 1145 | 30 | 1150 | 30 | JM | P | NMB |
| 10/2/95 | 317-318 | 60'-32' | 1340 | 30 | 1345 | 29 | KS | P | NMB |
| 10/2/95 | 317-318 | 74'-60' | | | | | EXT | - | NMB |
| 10/2/95 | 317-319 | 291'-255' | 1140 | 30 | 1145 | 30 | JM | P | NMB |
| 10/2/95 | 317-320 | 32'-0' | 1338 | 30 | 1343 | 29 | KO | P | NMB |
| 10/2/95 | 317-323 | 0'-50' | 1555 | 30 | 1600 | 29 | KS | P | NMB |
| 10/2/95 | 317-323 | 188'-198' | | | | | EXT | - | NMB |
| 10/2/95 | 317-323 | 198'-299' | 1302 | 30 | 1307 | 30 | JM | P | NMB |
| 10/2/95 | 317-323 | 299'-310' | | | | | EXT | - | NMB |
| 10/2/95 | 317-323 | 310'-375' | 1620 | 30 | 1625 | 29 | JM | P | NMB |
| 10/2/95 | 317-323 | 50'-64' | 1554 | 30 | 1559 | 28 | KS | P | NMB |
| 10/2/95 | 317-323 | 64'-74' | | | | | EXT | - | NMB |
| 10/2/95 | 317-323 | 74'-188' | 1545 | 30 | 1550 | 30 | KO | P | NMB |

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**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/2/95 | 318-319 | 0'-6' | 1246 | 30 | 1251 | 30 | JM | P | NMB |
| 10/2/95 | 318-320 | 0'-21' | 1331 | 30 | 1336 | 30 | KO | P | NMB |
| 10/2/95 | 318-321 | 141'-147' | 1325 | 30 | 1330 | 29 | JM | P | NMB |
| 10/2/95 | 318-321 | 31'-60' | 1323 | 30 | 1328 | 29 | KO | P | NMB |
| 10/2/95 | 318-321 | 60'-72' | | | | | EXT | - | NMB |
| 10/2/95 | 318-321 | 72'-141' | 1335 | 30 | 1340 | 29 | JM | P | NMB |
| 10/2/95 | 320-321 | 31'-0' | 1330 | 30 | 1335 | 29 | KO | P | NMB |
| 10/2/95 | 321-322 | 0'-31' | 1309 | 30 | 1314 | 30 | KO | P | NMB |
| 10/2/95 | | | | | | | | - | |
| 10/2/95 | | | | | | | | - | |
| 10/2/95 | | | | | | | | - | |
| 10/3/95 | 323-324 | 0'-20' | 1035 | 30 | 1040 | 30 | LK | P | NMB |
| 10/3/95 | 323-324 | 191'-205' | | | | | EXT | - | NMB |
| 10/3/95 | 323-324 | 20'-63' | 1033 | 30 | 1038 | 29 | LK | P | NMB |
| 10/3/95 | 323-324 | 205'-294' | 1015 | 30 | 1020 | 29 | JM | P | NMB |
| 10/3/95 | 323-324 | 294'-304' | 1016 | 30 | 1021 | 30 | JM | P | NMB |
| 10/3/95 | 323-324 | 304'-316' | | | | | EXT | - | NMB |
| 10/3/95 | 323-324 | 316'-378' | 1035 | 30 | 1040 | 29 | JM | P | NMB |
| 10/3/95 | 323-324 | 63'-76' | | | | | EXT | - | NMB |
| 10/3/95 | 323-324 | 76'-191' | 1010 | 30 | 1015 | 30 | CS | P | NMB |
| 10/3/95 | 324-325 | 178'-87' | 1127 | 30 | 1132 | 30 | LK | P | NMB |
| 10/3/95 | 324-325 | 181'-178' | | | | | PATCH | - | NMB |
| 10/3/95 | 324-325 | 206'-181' | | | | | EXT | - | NMB |
| 10/3/95 | 324-325 | 29'-0' | 1105 | 30 | 1110 | 30 | CS | P | NMB |
| 10/3/95 | 324-325 | 304'-206' | 1238 | 30 | 1243 | 29 | JM | P | NMB |
| 10/3/95 | 324-325 | 317'-304' | | | | | EXT | - | NMB |
| 10/3/95 | 324-325 | 385'-317' | 1105 | 30 | 1110 | 30 | JM | P | NMB |
| 10/3/95 | 324-325 | 70'-29' | 1115 | 30 | 1120 | 30 | CS | P | NMB |
| 10/3/95 | 324-325 | 81'-70' | | | | | EXT | - | NMB |
| 10/3/95 | 324-325 | 84'-81' | | | | | PATCH | - | NMB |
| 10/3/95 | 325-326 | 0'-68' | 1335 | 30 | 1340 | 30 | CS | P | NMB |
| 10/3/95 | 325-326 | 195'-206' | | | | | EXT | - | NMB |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/3/95 | 325-326 | 206'-310' | 1400 | 30 | 1405 | 30 | JM | P | NMB |
| 10/3/95 | 325-326 | 310'-320' | | | | | EXT | - | NMB |
| 10/3/95 | 325-326 | 320'-391' | 1335 | 30 | 1340 | 29 | JM | P | NMB |
| 10/3/95 | 325-326 | 68'-85' | | | | | EXT | - | NMB |
| 10/3/95 | 325-326 | 85'-195' | 1320 | 30 | 1325 | 30 | CS | P | NMB |
| 10/3/95 | 326-327 | 111'-84' | 1528 | 30 | 1533 | 29 | CS | P | NMB |
| 10/3/95 | 326-327 | 192'-111' | 1535 | 30 | 1540 | 29 | CS | P | NMB |
| 10/3/95 | 326-327 | 202'-192' | | | | | EXT | - | NMB |
| 10/3/95 | 326-327 | 29'-0' | 1450 | 30 | 1455 | 30 | CS | P | NMB |
| 10/3/95 | 326-327 | 308'-202' | 1525 | 30 | 1530 | 29 | JM | P | NMB |
| 10/3/95 | 326-327 | 31'-29' | | | | | PATCH | - | NMB |
| 10/3/95 | 326-327 | 318'-308' | | | | | EXT | - | NMB |
| 10/3/95 | 326-327 | 395'-318' | 1505 | 30 | 1510 | 29 | JM | P | NMB |
| 10/3/95 | 326-327 | 72'-31' | 1510 | 30 | 1515 | 30 | CS | P | NMB |
| 10/3/95 | 326-327 | 84'-72' | | | | | EXT | - | NMB |
| 10/3/95 | 327-328 | 190'-83' | 1600 | 30 | 1605 | 29 | CS | P | NMB |
| 10/3/95 | 327-328 | 200'-190' | | | | | EXT | - | NMB |
| 10/3/95 | 327-328 | 306'-200' | 1615 | 30 | 1420 | 28 | JM | P | NMB |
| 10/3/95 | 327-328 | 316'-306' | | | | | EXT | - | NMB |
| 10/3/95 | 327-328 | 400'-316' | 1640 | 30 | 1645 | 28 | JM | P | NMB |
| 10/3/95 | 327-328 | 72'-0' | 1618 | 30 | 1623 | 29 | CS | P | NMB |
| 10/3/95 | 327-328 | 83'-72' | | | | | EXT | - | NMB |
| 10/4/95 | 328-329 | 189'-86' | 0840 | 30 | 0845 | 30 | LK | P | NMB |
| 10/4/95 | 328-329 | 205'-189' | | | | | EXT | - | NMB |
| 10/4/95 | 328-329 | 256'-205' | 0900 | 30 | 0905 | 28 | JM | P | NMB |
| 10/4/95 | 328-329 | 306'-256' | 0845 | 30 | 0850 | 29 | JM | P | NMB |
| 10/4/95 | 328-329 | 317'-306' | | | | | EXT | - | NMB |
| 10/4/95 | 328-329 | 406'-317' | 0830 | 30 | 0835 | 30 | JM | P | NMB |
| 10/4/95 | 328-329 | 70'-0' | 0815 | 30 | 0820 | 30 | LK | P | NMB |
| 10/4/95 | 328-329 | 86'-70' | | | | | EXT | - | NMB |
| 10/4/95 | 329-330 | 0'-20' | 920 | 30 | 925 | 30 | CS | P | NMB |
| 10/4/95 | 329-331 | 20'-34' | 0950 | 30 | 0955 | 30 | CS | P | NMB |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/4/95 | 329-333 | 183'-196' | | | | | EXT | - | NMB |
| 10/4/95 | 329-333 | 196'-201' | | | | | CAP | - | NMB |
| 10/4/95 | 329-333 | 201'-299' | 0740 | 30 | 0745 | 29 | JM | P | NMB |
| 10/4/95 | 329-333 | 299'-310' | | | | | EXT | - | NMB |
| 10/4/95 | 329-333 | 310'-406' | 0755 | 30 | 0800 | 30 | JM | P | NMB |
| 10/4/95 | 329-333 | 34'-42' | | | | | EXT | - | NMB |
| 10/4/95 | 329-333 | 42'-68' | 1124 | 30 | 1129 | 30 | CS | P | NMB |
| 10/4/95 | 329-333 | 68'-82' | | | | | EXT | - | NMB |
| 10/4/95 | 329-333 | 82'-183' | 0910 | 30 | 0915 | 29 | CS | P | NMB |
| 10/4/95 | 330-331 | 0'-41' | 1000 | 30 | 1005 | 30 | CS | P | NMB |
| 10/4/95 | 330-332 | 41'-54' | 1010 | 30 | 1015 | 30 | CS | P | NMB |
| 10/4/95 | 331-332 | 0'-22' | 1011 | 30 | 1016 | 30 | LK | P | NMB |
| 10/4/95 | 331-333 | 0'-16' | 1117 | 30 | 1122 | 29 | CS | P | NMB |
| 10/9/95 | 333-334 | 138'-34' | 1455 | 30 | 1500 | 28 | SH | P | DDW |
| 10/9/95 | 333-334 | 153'-138' | | | | | EXT | - | DDW |
| 10/9/95 | 333-334 | 217'-153' | 1520 | 30 | 1525 | 29 | JM | P | DDW |
| 10/9/95 | 333-334 | 254'-217' | 1523 | 29 | 1528 | 29 | JM | P | DDW |
| 10/9/95 | 333-334 | 266'-254' | | | | | EXT | - | DDW |
| 10/9/95 | 333-334 | 266'-366' | 1442 | 29 | 1449 | 28 | JM | P | DDW |
| 10/9/95 | 333-334 | 34'-0' | | | | | EXT | - | DDW |
| 10/10/95 | 334-335 | 0'-25' | | | | | EXT | - | NMB |
| 10/10/95 | 334-335 | 12'-25' | | | | | EXT | - | DDW |
| 10/10/95 | 334-335 | 25'-51' | 1020 | 30 | 1025 | 30 | CS | P | DDW |
| 10/10/95 | 334-336 | 144'-160' | | | | | EXT | - | DDW |
| 10/10/95 | 334-336 | 160'-260' | 1055 | 30 | 1100 | 29 | JM | P | DDW |
| 10/10/95 | 334-336 | 260'-272' | | | | | EXT | - | DDW |
| 10/10/95 | 334-336 | 272'-372' | 1038 | 30 | 1043 | 29 | JM | P | DDW |
| 10/10/95 | 334-336 | 51'-144' | 1011 | 31 | 1016 | 30 | CS | P | DDW |
| 10/10/95 | 334-349 | 0'-12' | | | | | EXT | - | NMB |
| 10/10/95 | 335-336 | 0'-40' | 1031 | 30 | 1036 | 30 | CS | P | DDW |
| 10/10/95 | 335-337 | 40'-79' | 1140 | 30 | 1145 | 30 | CS | P | DDW |
| 10/10/95 | 335-338 | 79'-118' | 1241 | 30 | 1246 | 30 | LK | P | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/10/95 | 335-341 | 346'-251' | 1415 | 30 | 1420 | 29 | JM | P | DDW |
| 10/10/95 | 335-349 | 171'-36' | 1802 | 30 | 1807 | 29 | CS | P | NMB |
| 10/10/95 | 335-349 | 185'-171' | | | | | EXT | - | NMB |
| 10/10/95 | 335-349 | 185'-295' | 1754 | 38 | 1759 | 38 | LK | P | DDW |
| 10/10/95 | 335-349 | 295'-310' | | | | | EXT | - | DDW |
| 10/10/95 | 335-349 | 333'-310' | 1740 | 30 | 1745 | 30 | JM | P | NMB |
| 10/10/95 | 335-349 | 36'-12' | | | | | EXT | - | NMB |
| 10/10/95 | 335-349 | 405'-333' | 1750 | 30 | 1755 | 30 | JM | P | NMB |
| 10/10/95 | 335-349 | 405'-419' | | | | | EXT | - | NMB |
| 10/10/95 | 335-349 | 458'-419' | 1800 | 30 | 1805 | 30 | JM | P | NMB |
| 10/10/95 | 336-337 | 174'-75' | 1125 | 30 | 1130 | 28 | AL | P | DDW |
| 10/10/95 | 336-337 | 187'-174' | | | | | EXT | - | DDW |
| 10/10/95 | 336-337 | 187'-292' | 1255 | 30 | 1300 | 29 | JM | P | DDW |
| 10/10/95 | 336-337 | 65'-0' | 1050 | 30 | 1055 | 29 | CS | P | DDW |
| 10/10/95 | 336-337 | 75'-65' | | | | | EXT | - | DDW |
| 10/10/95 | 337-338 | 0'-25' | 1240 | 30 | 1245 | 30 | LK | P | DDW |
| 10/10/95 | 337-339 | 145'-157' | | | | | EXT | - | DDW |
| 10/10/95 | 337-339 | 157'-267' | 1315 | 30 | 1320 | 29 | JM | P | DDW |
| 10/10/95 | 337-339 | 25'-44' | | | | | EXT | - | DDW |
| 10/10/95 | 337-339 | 44'-145' | 1140 | 31 | 1145 | 30 | ALL | D | DDW |
| 10/10/95 | 338-339 | 0'-23' | 1243 | 30 | 1248 | 30 | LK | P | DDW |
| 10/10/95 | 339-340 | 10'-112' | | | | | | | DDW |
| 10/10/95 | 339-340 | 112'-128' | | | | | EXT | - | DDW |
| 10/10/95 | 339-340 | 128'-190' | 1352 | 30 | 1357 | 29 | JM | P | DDW |
| 10/10/95 | 339-340 | 190'-243' | 1353 | 31 | 1358 | 30 | JM | P | DDW |
| 10/10/95 | 340-335 | 129'-118' | | | | | EXT | - | DDW |
| 10/10/95 | 340-335 | 165'-129' | 1555 | 30 | 1600 | 30 | CS | P | DDW |
| 10/10/95 | 340-341 | 0'-45' | 1613 | 30 | 1618 | 29 | LK | P | NMB |
| 10/10/95 | 340-342 | 45'-72' | 1621 | 30 | 1626 | 30 | LK | P | NMB |
| 10/10/95 | 340-342 | 78'-72' | | | | | EXT | - | DDW |
| 10/10/95 | 340-343 | 207'-86' | 1505 | 30 | 1510 | 29 | JM | P | DDW |
| 10/10/95 | 340-343 | 86'-78' | | | | | EXT | - | DDW |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/10/95 | 341-335 | 240'-165' | 1615 | 30 | 1624 | 29 | LK | P | DDW |
| 10/10/95 | 341-335 | 251'-240' | | | | | EXT | - | DDW |
| 10/10/95 | 341-335 | 360'-346' | | | | | EXT | - | DDW |
| 10/10/95 | 341-335 | 393'-360' | 1440 | 30 | 1445 | 30 | JM | P | DDW |
| 10/10/95 | 341-342 | 0'-29' | 1622 | 30 | 1627 | 29 | LK | P | NMB |
| 10/10/95 | 341-342 | 29'-37' | | | | | EXT | - | NMB |
| 10/10/95 | 341-343 | 37'-46' | | | | | EXT | - | NMB |
| 10/10/95 | 341-344 | 46'-99' | 1625 | 30 | 1630 | 29 | JM | P | NMB |
| 10/10/95 | 341-345 | 114'-134' | | | | | EXT | - | NMB |
| 10/10/95 | 341-345 | 99'-114' | 1620 | 30 | 1625 | 29 | JM | P | NMB |
| 10/10/95 | 341-346 | 134'-153' | | | | | EXT | - | NMB |
| 10/10/95 | 341-346 | 153'-180' | 1645 | 30 | 1650 | 30 | JM | P | NMB |
| 10/10/95 | 341-348 | 180'-205' | 1653 | 31 | 1658 | 30 | JM | P | NMB |
| 10/10/95 | 342-343 | 0'-17' | | | | | EXT | - | NMB |
| 10/10/95 | 343-344 | 125'-96' | 1650 | 30 | 1655 | 29 | JM | P | DDW |
| 10/10/95 | 343-344 | 84'-0' | 1600 | 30 | 1605 | 29 | JM | P | DDW |
| 10/10/95 | 343-344 | 96'-84' | | | | | PATCH | - | DDW |
| 10/10/95 | 344-345 | 0'-45' | 1615 | 30 | 1620 | 29 | JM | P | DDW |
| 10/10/95 | 344-345 | 45'-58' | | | | | EXT | - | DDW |
| 10/10/95 | 344-345 | 58'-96' | 1648 | 30 | 1653 | 29 | JM | P | DDW |
| 10/10/95 | 345-346 | 0'-17' | | | | | EXT | - | NMB |
| 10/10/95 | 345-346 | 32'-17' | 1637 | 31 | 1642 | 30 | JM | P | DDW |
| 10/10/95 | 345-347 | 32'-55' | | | | | | | NMB |
| 10/10/95 | 346-347 | 0'-16' | 1650 | 30 | 1655 | 30 | JM | P | NMB |
| 10/10/95 | 346-347 | 16'-19' | | | | | PATCH | - | NMB |
| 10/10/95 | 347-348 | 0'-16' | 1650 | 30 | 1655 | 29 | JM | P | NMB |
| 10/11/95 | 331-333 | 16'-21' | | | | | PATCH | - | NMB |
| 10/11/95 | 331-349 | 16'- | | | | | EXT | | DDW |
| 10/11/95 | 331R2764 | 0'-16' | 0841 | 30 | 0846 | 30 | CS | P | NMB |
| 10/11/95 | 332-349 | 0'-18' | | | | | EXT | - | NMB |
| 10/11/95 | 334R2764 | 0'-16' | 0835 | 30 | 0840 | 30 | CS | P | NMB |
| 10/11/95 | 339-340 | 0'-10' | | | | | EXT | | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/11/95 | 349-350 | 174'-189' | | | | | EXT | - | DDW |
| 10/11/95 | 349-350 | 189'-286' | 1450 | 30 | 1455 | 29 | LK | P | DDW |
| 10/11/95 | 349-350 | 286'-293' | 1500 | 30 | 1505 | 29 | KC | P | DDW |
| 10/11/95 | 349-350 | 293'-305' | | | | | EXT | - | DDW |
| 10/11/95 | 349-350 | 305'-311' | | | | | PATCH | - | DDW |
| 10/11/95 | 349-350 | 311'-396' | 1450 | 30 | 1455 | 29 | KS | P | DDW |
| 10/11/95 | 349-350 | 396'-410' | 1435 | 30 | 1440 | 30 | SK | P | DDW |
| 10/11/95 | 349-350 | 40'-174' | 1418 | 30 | 1423 | 28 | SH | P | DDW |
| 10/11/95 | 349-350 | 410'-426' | | | | | EXT | - | DDW |
| 10/11/95 | 349-350 | 426'-467' | 1422 | 30 | 1427 | 28 | SK | P | DDW |
| 10/12/95 | 350-351 | 45'-82' | 0927 | 30 | 0932 | 29 | LK | P | DDW |
| 10/12/95 | 350-352 | 128'-143' | | | | | EXT | - | DDW |
| 10/12/95 | 350-352 | 143'-222' | 1105 | 30 | 1110 | 27 | LK | P | DDW |
| 10/12/95 | 350-352 | 222'-224' | | | | | PATCH | - | DDW |
| 10/12/95 | 350-352 | 248'-223' | 1651 | 29 | 1656 | 29 | AL | P | DDW |
| 10/12/95 | 350-352 | 248'-262' | | | | | EXT | - | NMB |
| 10/12/95 | 350-352 | 262'-321' | 1040 | 30 | 1045 | 30 | CS | P | DDW |
| 10/12/95 | 350-352 | 321'-323' | | | | | PATCH | - | DDW |
| 10/12/95 | 350-352 | 323'-333' | 1025 | 30 | 1030 | 30 | CS | P | DDW |
| 10/12/95 | 350-352 | 333'-345' | | | | | PATCH | - | DDW |
| 10/12/95 | 350-352 | 345'-359' | 1020 | 30 | 1025 | 30 | CS | P | DDW |
| 10/12/95 | 350-352 | 359'-365' | 1015 | 30 | 1020 | 30 | CS | P | DDW |
| 10/12/95 | 350-352 | 365'-378' | | | | | EXT | - | DDW |
| 10/12/95 | 350-352 | 378'-425 | 1005 | 30 | 1010 | 29 | CS | P | DDW |
| 10/12/95 | 350-352 | 82'-128' | 0925 | 30 | 0930 | 29 | LK | P | DDW |
| 10/12/95 | 351-352 | 0'-37' | 0926 | 30 | 0931 | 29 | LK | P | DDW |
| 10/12/95 | 351-353 | 37'-48' | | | | | EXT | - | DDW |
| 10/12/95 | 351-356 | 115'-155' | 1338 | 30 | 1343 | 30 | SH | P | DDW |
| 10/12/95 | 351-357 | 155'-179' | 1640 | 30 | 1645 | 30 | AL | P | DDW |
| 10/12/95 | 351-358 | 185'-197' | | | | | EXT | - | DDW |
| 10/12/95 | 351-359 | 197'-208' | | | | | EXT | - | DDW |
| 10/12/95 | 351-359 | 208'-238' | 1710 | 30 | 1715 | 27 | LK | P | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/12/95 | 351-360 | 238'-277' | 1710 | 30 | 1715 | 28 | LK | P | DDW |
| 10/12/95 | 351-361 | 305'-311' | | | | | EXT | - | DDW |
| 10/12/95 | 351-361 | 409'-311' | 1803 | 32 | 1808 | 30 | LK | P | DDW |
| 10/12/95 | 351-362 | 277'-297' | 1728 | 31 | 1733 | 30 | LK | P | DDW |
| 10/12/95 | 351-362 | 297'-305' | | | | | EXT | - | DDW |
| 10/12/95 | 352-353 | 0'-18' | | | | | EXT | - | DDW |
| 10/12/95 | 352-354 | 132'-25' | 1115 | 40 | 1120 | 40 | LK | P | DDW |
| 10/12/95 | 352-354 | 144'-132' | | | | | EXT | - | DDW |
| 10/12/95 | 352-354 | 18'-25' | | | | | EXT | - | NMB |
| 10/12/95 | 352-354 | 236'-144' | 1102 | 30 | 1107 | 29 | CS | P | DDW |
| 10/12/95 | 352-354 | 248'-236' | 1104 | 30 | 1109 | 30 | CS | P | DDW |
| 10/12/95 | 352-354 | 262'-248' | | | | | EXT | - | DDW |
| 10/12/95 | 352-354 | 262'-315' | 1110 | 30 | 1115 | 29 | CS | P | DDW |
| 10/12/95 | 353-351 | 48'-53' | | | | | EXT | - | DDW |
| 10/12/95 | 353-354 | 0'-10' | | | | | EXT | - | NMB |
| 10/12/95 | 354-351 | 53'-60' | | | | | EXT | - | DDW |
| 10/12/95 | 354-351 | 60'-75' | 1146 | 30 | 1151 | 30 | SH | P | DDW |
| 10/12/95 | 354-355 | 0'-95' | 1140 | 30 | 1145 | 29 | SH | P | DDW |
| 10/12/95 | 354-355 | 110'-195' | 1145 | 30 | 1150 | 30 | CS | P | DDW |
| 10/12/95 | 354-355 | 195'-210' | 1235 | 30 | 1240 | 30 | KS | P | DDW |
| 10/12/95 | 354-355 | 210'-223' | | | | | EXT | - | DDW |
| 10/12/95 | 354-355 | 223'-279' | 1236 | 30 | 1241 | 30 | KS | P | DDW |
| 10/12/95 | 354-355 | 95'-110' | | | | | EXT | - | DDW |
| 10/12/95 | 355-351 | 75'-115' | 1146 | 30 | 1151 | 30 | SH | P | DDW |
| 10/12/95 | 355-356 | 160'-72' | 1345 | 30 | 1350 | 30 | CS | P | DDW |
| 10/12/95 | 355-356 | 172'-160' | 1351 | 30 | 1356 | 29 | CS | P | DDW |
| 10/12/95 | 355-356 | 186'-172' | | | | | EXT | - | DDW |
| 10/12/95 | 355-356 | 190'-186' | | | | | BOOT | - | DDW |
| 10/12/95 | 355-356 | 246'-190' | 1355 | 30 | 1400 | 30 | CS | P | DDW |
| 10/12/95 | 355-356 | 58'-0' | 1335 | 30 | 1340 | 29 | SH | P | DDW |
| 10/12/95 | 355-356 | 72'-58' | | | | | EXT | - | DDW |
| 10/12/95 | 356-357 | 0'-23' | 1645 | 31 | 1650 | 30 | AL | P | DDW |

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**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/12/95 | 356-357 | 23'-29' | | | | | EXT | - | DDW |
| 10/12/95 | 356-358 | 134'-149' | | | | | EXT | - | DDW |
| 10/12/95 | 356-358 | 149'-213' | 1533 | 30 | 1538 | 29 | CS | P | DDW |
| 10/12/95 | 356-358 | 29'-37' | | | | | EXT | - | DDW |
| 10/12/95 | 356-358 | 37'-134' | 1523 | 30 | 1528 | 29 | CS | P | DDW |
| 10/12/95 | 357-351 | 179'-185' | | | | | EXT | - | DDW |
| 10/12/95 | 357-358 | 0'-17' | | | | | EXT | - | NMB |
| 10/12/95 | 358-359 | 0'-3' | | | | | EXT | - | NMB |
| 10/12/95 | 358-359 | 110'-95' | | | | | EXT | - | DDW |
| 10/12/95 | 358-359 | 178'-110' | 1540 | 30 | 1545 | 30 | CS | P | DDW |
| 10/12/95 | 358-359 | 95'-3' | 1600 | 30 | 1605 | 30 | CS | P | DDW |
| 10/12/95 | 359-360 | 0'-58' | 1720 | 32 | 1725 | 31 | LK | P | DDW |
| 10/12/95 | 359-360 | 58'-73' | | | | | EXT | - | DDW |
| 10/12/95 | 359-360 | 73'-145' | 1616 | 30 | 1624 | 30 | CS | P | DDW |
| 10/12/95 | 360-361 | 27'-42' | | | | | EXT | - | NMB |
| 10/12/95 | 360-362 | 0'-20' | 1724 | 30 | 1729 | 29 | LK | P | DDW |
| 10/12/95 | 360-362 | 20'-27' | | | | | EXT | - | NMB |
| 10/12/95 | 360-363 | 42'-111' | 1754 | 30 | 1759 | 31 | LK | P | DDW |
| 10/12/95 | 361-362 | 0'-15' | | | | | EXT | - | NMB |
| 10/12/95 | 361-363 | 0'-40' | 1750 | 30 | 1755 | 30 | LK | P | DDW |
| 10/12/95 | 361-364 | 40'-72' | 1800 | 33 | 1805 | 32 | CS | P | DDW |
| 10/12/95 | 363-364 | 0'-20' | 1745 | 31 | 1750 | 30 | CS | P | DDW |
| 10/12/95 | 363-364 | 20'-29' | 1742 | 30 | 1747 | 30 | CS | P | DDW |
| 10/12/95 | 363-364 | 29'-34' | 1755 | 33 | 1800 | 33 | CS | P | DDW |
| 10/13/95 | 350-365 | 9'-45' | 0950 | 40 | 0955 | 40 | CS | P | DDW |
| 10/13/95 | 351-365 | 0'-89' | 0940 | 40 | 0945 | 40 | CS | P | DDW |
| 10/13/95 | 351-365 | 101'-215' | 0958 | 30 | 1003 | 30 | CS | P | DDW |
| 10/13/95 | 351-365 | 215'-236' | | | | | EXT | - | DDW |
| 10/13/95 | 351-365 | 236'-335' | 1243 | 30 | 1248 | 28 | SK | P | DDW |
| 10/13/95 | 351-365 | 335'-348' | | | | | EXT | - | DDW |
| 10/13/95 | 351-365 | 348'-453' | 1240 | 30 | 1245 | 29 | SK | P | DDW |
| 10/13/95 | 351-365 | 89'-101' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/13/95 | 365-366 | 302'-255' | 1552 | 30 | 1557 | 28 | SK | P | DDW |
| 10/13/95 | 365-367 | 302'-361' | 1555 | 30 | 1600 | 29 | SK | P | DDW |
| 10/13/95 | 365-368 | 361'-380' | | | | | EXT | - | DDW |
| 10/13/95 | 365-369 | 380'-445' | 1725 | 30 | 1730 | 27 | KS | P | DDW |
| 10/13/95 | 365-370 | 445'-500' | 1750 | 30 | 1755 | 28 | LK | P | DDW |
| 10/13/95 | 366-367 | 0'-51' | 1558 | 30 | 1603 | 29 | SK | P | DDW |
| 10/13/95 | 366-368 | 51'-61' | | | | | EXT | - | DDW |
| 10/13/95 | 366-368 | 61'-67' | | | | | EXT | - | DDW |
| 10/13/95 | 366-368 | 67'-73' | | | | | EXT | - | DDW |
| 10/13/95 | 366-368 | 73' -192' | 1741 | 29 | 1746 | 28 | LK | P | DDW |
| 10/13/95 | 367-368 | 0'-19' | 1612 | 30 | 1617 | 30 | CS | P | DDW |
| 10/13/95 | 368-369 | 0'-128' | 1740 | 30 | 1745 | | LK | P | DDW |
| 10/13/95 | 369-370 | 0'-66' | 1750 | 31 | 1755 | 29 | LK | P | DDW |
| 10/14/95 | 365-366 | 248'-253' | | | | | PATCH | - | DDW |
| 10/14/95 | 365-366 | 253'-255' | | | | | EXT | - | DDW |
| 10/14/95 | 365-371 | 169'-150' | 1023 | 31 | 1028 | 30 | CS | P | DDW |
| 10/14/95 | 365-371 | 225'-169' | 1036 | 30 | 1041 | 28 | CS | - | DDW |
| 10/14/95 | 365-371 | 225'-231' | | | | | PATCH | - | DDW |
| 10/14/95 | 365-372 | 231'-248' | | | | | EXT | - | DDW |
| 10/14/95 | 365-373 | 128'-117' | | | | | EXT | - | DDW |
| 10/14/95 | 365-373 | 150'-128' | 1415 | 30 | 1420 | 29 | CS | P | DDW |
| 10/14/95 | 365-373 | 86'-117' | 1105 | 30 | 1110 | 30 | CS | P | DDW |
| 10/14/95 | 366-371 | 136'-29' | 0950 | 30 | 0955 | 29 | KC | P | DDW |
| 10/14/95 | 366-371 | 150'-136' | | | | | EXT | - | DDW |
| 10/14/95 | 366-371 | 169'-150' | 0910 | 30 | 0915 | 30 | LK | P | DDW |
| 10/14/95 | 366-371 | 265'-169' | 0910 | 30 | 0915 | 27 | LK | P | DDW |
| 10/14/95 | 366-371 | 29'-23' | | | | | EXT | - | DDW |
| 10/14/95 | 366-372 | 0'-5' | | | | | EXT | | DDW |
| 10/14/95 | 371-372 | 23'-0' | | | | | EXT | - | DDW |
| 10/14/95 | 371-373 | 0'-88' | 1029 | 30 | 1034 | 30 | CS | P | DDW |
| 10/14/95 | 371-373 | 102'-206' | 1043 | 30 | 1048 | 29 | CS | P | DDW |
| 10/14/95 | 371-373 | 206'-221' | | | | | EXT | - | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/14/95 | 371-373 | 221'-285' | 1100 | 30 | 1105 | 30 | KC | P | DDW |
| 10/14/95 | 371-373 | 285'-334' | 1105 | 30 | 1110 | 28 | SK | P | DDW |
| 10/14/95 | 371-373 | 88'-102' | | | | | EXT | - | DDW |
| 10/14/95 | 373-374 | 295'-276' | | | | | EXT | - | DDW |
| 10/14/95 | 373-374 | 354'-295' | 1440 | 30 | 1445 | 30 | KC | P | DDW |
| 10/14/95 | 373-374 | 392'-354' | 1445 | 30 | 1450 | 29 | KC | P | DDW |
| 10/14/95 | 373-374 | 410'-392' | 1453 | 31 | 1458 | 30 | LK | P | DDW |
| 10/16/95 | 349-375 | 16'-40' | 1415 | 30 | 1420 | 30 | CS | P | NMB |
| 10/16/95 | 350-375 | 0'-19' | 1420 | 30 | 1425 | 30 | LK | P | NMB |
| 10/16/95 | 365-374 | 86'-11' | 1113 | 30 | 1118 | 30 | CS | P | NMB |
| 10/16/95 | 371-373 | 340'-350' | 1803 | 29 | 1808 | 28 | LK | P | JJP |
| 10/16/95 | 373-374 | 101'-50' | 0823 | 32 | 0828 | 31 | LK | P | NMB |
| 10/16/95 | 373-374 | 107'-101' | | | | | PATCH | - | NMB |
| 10/16/95 | 373-374 | 147'-107' | 0850 | 36 | 0855 | 35 | LK | P | NMB |
| 10/16/95 | 373-374 | 150'-147' | | | | | PATCH | - | NMB |
| 10/16/95 | 373-374 | 162'-150' | 0830 | 30 | 0835 | 30 | LK | P | NMB |
| 10/16/95 | 373-374 | 174'-162' | | | | | EXT | - | NMB |
| 10/16/95 | 373-374 | 175'-174' | | | | | PATCH | - | NMB |
| 10/16/95 | 373-374 | 276'-175' | 0750 | 34 | 0755 | 34 | LK | P | NMB |
| 10/16/95 | 373-374 | 34'-0' | 1100 | 30 | 1105 | 29 | CS | P | NMB |
| 10/16/95 | 373-374 | 37'-34' | | | | | PATCH | - | NMB |
| 10/16/95 | 373-374 | 411'-432' | 1750 | 30 | 1755 | 29 | AL | P | JJP |
| 10/16/95 | 373-374 | 50'-37' | | | | | EXT | - | NMB |
| 10/16/95 | 373-388 | 0'-22' | 1800 | 32 | 1805 | 28 | AL | P | JJP |
| 10/16/95 | 374-376 | 0'-22' | 1500 | 30 | 1505 | 29 | AL | P | NMB |
| 10/16/95 | 374-386 | 0'-22' | 1732 | 32 | 1737 | 31 | AL | P | JJP |
| 10/16/95 | 374-387 | 178'-200' | 1755 | 30 | 1800 | 29 | AL | P | JJP |
| 10/16/95 | 374-388 | 432'-445' | 1803 | 30 | 1808 | 27 | AL | P | JJP |
| 10/16/95 | 376-377 | 0'-22' | 1505 | 30 | 1510 | 29 | AL | P | NMB |
| 10/16/95 | 376-383 | 135'-176' | 1413 | 30 | 1418 | 28 | AL | P | NMB |
| 10/16/95 | 376-386 | 176'-181' | 1730 | 29 | 1735 | 29 | AL | P | JJP |
| 10/16/95 | 377-378 | 0'-22' | 1515 | 29 | 1520 | 29 | AL | P | NMB |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/16/95 | 377-382 | 79'-98' | 1556 | 30 | 1601 | 29 | AL | P | NMB |
| 10/16/95 | 377-382 | 98'-135' | 1604 | 31 | 1611 | 30 | AL | P | NMB |
| 10/16/95 | 378-379 | 0'-22' | 1523 | 30 | 1528 | 30 | AL | P | NMB |
| 10/16/95 | 378-382 | 53'-79' | 1619 | 30 | 1624 | 29 | AL | P | NMB |
| 10/16/95 | 379-380 | 0'-22' | 1531 | 29 | 1536 | 29 | AL | P | NMB |
| 10/16/95 | 379-381 | 18'-37' | 1549 | 32 | 1554 | 30 | AL | P | NMB |
| 10/16/95 | 379-382 | 37'-53' | 1608 | 30 | 1613 | 28 | AL | P | NMB |
| 10/16/95 | 380-381 | 0'-18' | 1542 | 31 | 1547 | 30 | AL | P | NMB |
| 10/16/95 | 381-382 | 0'-22' | 1600 | 30 | 1605 | 30 | AL | P | NMB |
| 10/16/95 | 381-384 | 0'-28' | 1701 | 30 | 1706 | 30 | AL | P | JJP |
| 10/16/95 | 382-383 | 0'-22' | 1611 | 32 | 1616 | 31 | AL | P | NMB |
| 10/16/95 | 382-384 | 28'-126' | 1722 | 31 | 1727 | 30 | AL | P | JJP |
| 10/16/95 | 383-384 | 126'-146' | 1647 | 30 | 1652 | 30 | AL | P | JJP |
| 10/16/95 | 383-385 | 146'-167' | 1709 | 31 | 1714 | 30 | AL | P | JJP |
| 10/16/95 | 383-386 | 0'-22' | 1728 | 34 | 1733 | 33 | AL | P | JJP |
| 10/16/95 | 384-385 | 0'-18' | 1708 | 32 | 1713 | 32 | AL | P | DDW |
| 10/16/95 | 386-387 | 167'-178' | 1754 | 29 | 1759 | 30 | AL | P | JJP |
| 10/16/95 | 387-385 | 0'-19' | 1708 | 32 | 1713 | 32 | AL | P | JJP |
| 10/16/95 | 387-388 | 445'-460' | 1810 | 29 | 1815 | 28 | AL | P | JJP |
| 10/16/95 | 402-404 | 185'-178' | | | | | EXT | - | DDW |
| 10/17/95 | 365-370 | 500'-507' | | | | | EXT | - | DDW |
| 10/17/95 | 365-395 | 0'-12' | 1140 | 32 | 1145 | 30 | AL | P | DDW |
| 10/17/95 | 365-395 | 12'-22' | 1146 | 30 | 1151 | 30 | AL | P | DDW |
| 10/17/95 | 366-368 | 196'-204' | | | | | EXT | - | DDW |
| 10/17/95 | 366-371 | 268'-286' | 0819 | 30 | 0824 | 28 | AL | P | DDW |
| 10/17/95 | 366-390 | 0'-22' | 0807 | 30 | 0812 | 30 | AL | P | DDW |
| 10/17/95 | 366-391 | 204'-211' | | | | | EXT | - | DDW |
| 10/17/95 | 368-369 | 128'-135' | | | | | EXT | - | DDW |
| 10/17/95 | 368-391 | 0'-22' | 0820 | 31 | 0825 | 30 | AL | P | DDW |
| 10/17/95 | 369-393 | 0'-22' | 1105 | 30 | 1110 | 30 | AL | P | DDW |
| 10/17/95 | 369-394 | 58'-65' | | | | | EXT | - | DDW |
| 10/17/95 | 370-394 | 0'-8' | | | | | PATCH | - | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/17/95 | 370-394 | 8'-21' | | | | | EXT | - | DDW |
| 10/17/95 | 371-389 | 0'-22' | 0754 | 31 | 0759 | 31 | AL | P | DDW |
| 10/17/95 | 388-389 | 350'-379 | 0752 | 29 | 0757 | 29 | AL | P | DDW |
| 10/17/95 | 388-392 | 379'-388' | 0830 | 30 | 0835 | 30 | AL | P | DDW |
| 10/17/95 | 389-390 | 286'-309' | 0800. | 30 | 0805 | 30 | AL | P | DDW |
| 10/17/95 | 389-392 | 0'-22' | 0834 | 30 | 0839 | 27 | AL | P | DDW |
| 10/17/95 | 390-391 | 211'-252' | 0810 | 32 | 0815 | 30 | AL | P | DDW |
| 10/17/95 | 390-392 | 309'-324' | 0840 | 29 | 0845 | 28 | AL | P | DDW |
| 10/17/95 | 391-393 | 135'-185' | 1050 | 30 | 1055 | 29 | AL | P | DDW |
| 10/17/95 | 393-396 | 65'-83' | 1142 | 31 | 1147 | 30 | AL | P | DDW |
| 10/17/95 | 393-396 | 83'-91' | 1240 | 30 | 1245 | 29 | AL | P | DDW |
| 10/17/95 | 393-397 | 91'-108' | 1243 | 32 | 1248 | 30 | AL | P | DDW |
| 10/17/95 | 394-395 | 507'-528' | 1116 | 30 | 1121 | 27 | AL | P | DDW |
| 10/17/95 | 394-395 | 528'-545' | 1117 | 31 | 1122 | 31 | AL | P | DDW |
| 10/17/95 | 394-396 | 0'-23' | 1128 | 29 | 1133 | 28 | AL | P | DDW |
| 10/17/95 | 394-397 | 23'-32' | 1245 | 29 | 1250 | 28 | AL | P | DDW |
| 10/17/95 | 396-397 | 0'-10' | 1241 | 30 | 1246 | 30 | AL | P | DDW |
| 10/18/95 | 374-398 | 0'-21' | | | | | EXT | | DDW |
| 10/18/95 | 374-398 | 121'-81' | 1010 | 30 | 1015 | 26 | KC | P | DDW |
| 10/18/95 | 374-398 | 134'-121' | | | | | EXT | - | DDW |
| 10/18/95 | 374-398 | 180'-134' | 1338 | 29 | 1343 | 26 | LK | P | DDW |
| 10/18/95 | 374-398 | 242'-180' | 1355 | 30 | 1400 | 26 | KC | P | DDW |
| 10/18/95 | 374-398 | 246'-242' | | | | | PATCH | - | DDW |
| 10/18/95 | 374-398 | 258'-246' | | | | | EXT | - | DDW |
| 10/18/95 | 374-398 | 361'-353' | | | | | EXT | - | DDW |
| 10/18/95 | 374-398 | 371'-361' | | | | | EXT | - | DDW |
| 10/18/95 | 374-398 | 468'-371' | 1130 | 30 | 1135 | 29 | CS | P | DDW |
| 10/18/95 | 374-398 | 81'-21' | 1505 | 29 | 1510 | 26 | KC | P | DDW |
| 10/18/95 | 375-398 | 0'-30' | 1520 | 30 | 1525 | 28 | KC | P | DDW |
| 10/18/95 | 376-399 | 22'-43' | 1333 | 30 | 1338 | 30 | AL | P | DDW |
| 10/18/95 | 377-399 | 43'-45' | | | | | EXT | | DDW |
| 10/18/95 | 377-400 | 57'-68' | 1400 | 30 | 1405 | 30 | CS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/18/95 | 398-376 | 0'-22' | 1333 | 30 | 1338 | 30 | AL | P | DDW |
| 10/18/95 | 398-399 | 177'-163' | | | | | EXT | - | DDW |
| 10/18/95 | 398-399 | 177'-274' | 1400 | 30 | 1405 | 26 | KC | P | DDW |
| 10/18/95 | 398-399 | 22'-163' | 1105 | 30 | 1110 | 30 | KC | P | DDW |
| 10/18/95 | 398-399 | 287'-291' | | | | | PATCH | - | DDW |
| 10/18/95 | 398-399 | 296'-291' | | | | | EXT | - | DDW |
| 10/18/95 | 398-399 | 303'-296' | | | | | EXT | - | DDW |
| 10/18/95 | 398-399 | 367'-303' | 1141 | 30 | 1146 | 28 | SK | P | DDW |
| 10/18/95 | 398-399 | 395'-367' | 1140 | 30 | 1145 | 29 | SK | P | DDW |
| 10/18/95 | 398-399 | 402'-395' | | | | | EXT | - | DDW |
| 10/18/95 | 398-399 | 409'-402' | | | | | EXT | - | DDW |
| 10/18/95 | 398-399 | 512'-409' | 1135 | 30 | 1140 | 30 | CS | P | DDW |
| 10/18/95 | 399-400 | 170'-177' | | | | | EXT | - | DDW |
| 10/18/95 | 399-400 | 177'-293' | 1420 | 30 | 1425 | 29 | KC | P | DDW |
| 10/18/95 | 399-400 | 293'-305' | | | | | EXT | - | DDW |
| 10/18/95 | 399-400 | 305'-395' | 1425 | 31 | 1430 | 30 | CS | P | DDW |
| 10/18/95 | 399-400 | 395'-408' | | | | | EXT | - | DDW |
| 10/18/95 | 399-400 | 408'-510' | 1342 | 30 | 1347 | 30 | CS | P | DDW |
| 10/18/95 | 399-401 | 163'-112' | 1540 | 29 | 1545 | 28 | KC | P | DDW |
| 10/18/95 | 399-401 | 163'-170' | | | | | EXT | - | DDW |
| 10/18/95 | 399-402 | 16'-112' | 1710 | 32 | 1715 | 32 | LK | P | DDW |
| 10/18/95 | 400-377 | 45'-57' | 1351 | 30 | 1356 | 29 | CS | P | DDW |
| 10/18/95 | 400-401 | 0'-8' | | | | | EXT | | DDW |
| 10/18/95 | 400-402 | 131'-64' | 1658 | 32 | 1703 | 32 | LK | P | DDW |
| 10/18/95 | 400-402 | 64'-57' | | | | | EXT | - | DDW |
| 10/18/95 | 400-403 | 150'-164' | | | | | EXT | - | DDW |
| 10/18/95 | 400-403 | 164'-262' | 1753 | 30 | 1758 | 29 | KO | P | DDW |
| 10/18/95 | 400-403 | 54'-60' | | | | | PATCH | - | DDW |
| 10/18/95 | 400-404 | 47'-0' | 1646 | 30 | 1651 | 29 | LK | P | DDW |
| 10/18/95 | 400-404 | 47'-54' | | | | | EXT | - | DDW |
| 10/18/95 | 401-402 | 0'-50' | 1550 | 30 | 1555 | 29 | KC | P | DDW |
| 10/18/95 | 401-402 | 50'-57' | | | | | EXT | - | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/18/95 | 402-403 | 191'-185' | | | | | EXT | - | DDW |
| 10/18/95 | 402-404 | 178'-131' | 1651 | 31 | 1656 | 30 | LK | P | DDW |
| 10/18/95 | 402-405 | 283'-296' | | | | | EXT | - | DDW |
| 10/18/95 | 403-404 | 0'-11' | | | | | EXT | | DDW |
| 10/18/95 | 403-405 | 33'-48' | | | | | EXT | - | DDW |
| 10/18/95 | 403-405 | 48'-143' | 1800 | 30 | 1805 | 30 | KO | P | DDW |
| 10/18/95 | 405-406 | 0'-25' | 1805 | 30 | 1810 | 30 | KO | P | DDW |
| 10/19/95 | 332-399 | 15'-6' | | | | | EXT | - | DDW |
| 10/19/95 | 349-375 | 16'-11' | | | | | EXT | - | DDW |
| 10/19/95 | 349-399 | 0'-11' | | | | | EXT | | DDW |
| 10/19/95 | 350-398 | 0'-8' | | | | | EXT | - | DDW |
| 10/19/95 | 365-398 | 0'-11' | | | | | EXT | - | DDW |
| 10/19/95 | 374-398 | 353'-258' | 0853 | 30 | 0858 | 29 | SH | P | DDW |
| 10/19/95 | 375-399 | 22'-11' | | | | | EXT | - | DDW |
| 10/19/95 | 377-403 | 89'-68' | 0725 | 30 | 0730 | 30 | SH | P | DDW |
| 10/19/95 | 377-405 | 100'-89' | 0815 | 36 | 0820 | 35 | SH | P | DDW |
| 10/19/95 | 378-402 | 122'-117' | 0837 | 30 | 0832 | 30 | SH | P | DDW |
| 10/19/95 | 378-402 | 127'-122' | | | | | PATCH | - | DDW |
| 10/19/95 | 378-405 | 112'-100' | 0825 | 30 | 0830 | 30 | SH | P | DDW |
| 10/19/95 | 378-406 | 117'-112' | 0830 | 30 | 0835 | 30 | SH | P | DDW |
| 10/19/95 | 387-408 | 0'-9' | 1041 | 30 | 1046 | 30 | AL | P | DDW |
| 10/19/95 | 387-408 | 9'-34' | 1035 | 30 | 1040 | 27 | AL | P | DDW |
| 10/19/95 | 388-408 | 460'-463' | | | | | EXT | - | DDW |
| 10/19/95 | 388-409 | 62'-42' | 1046 | 30 | 1051 | 28 | AL | P | DDW |
| 10/19/95 | 388R3165 | 0'-5' | | | | | EXT | - | DDW |
| 10/19/95 | 390-411 | 0'-12' | 1052 | 31 | 1057 | 31 | AL | P | DDW |
| 10/19/95 | 390-412 | 14'-9' | | | | | PATCH | - | DDW |
| 10/19/95 | 390-412 | 19'-14' | | | | | EXT | - | DDW |
| 10/19/95 | 391-411 | 0'-15' | 1055 | 30 | 1100 | 29 | AL | P | DDW |
| 10/19/95 | 392-412 | 31'-19' | 1050 | 30 | 1055 | 29 | AL | P | DDW |
| 10/19/95 | 392R3165 | 31'-42' | | | | | EXT | - | DDW |
| 10/19/95 | 400-403 | 119'-150' | 0910 | 30 | 0915 | 30 | SH | P | DDW |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/19/95 | 400-403 | 119'-60' | 0910 | 30 | 0915 | 30 | SH | P | DDW |
| 10/19/95 | 402-05 | 257'-250' | | | | | PATCH | - | DDW |
| 10/19/95 | 402-379 | 127'-139' | 0837 | 30 | 0842 | 30 | SH | P | DDW |
| 10/19/95 | 402-403 | 250'-191' | 0916 | 30 | 0921 | 30 | SH | P | DDW |
| 10/19/95 | 402-405 | 283'-257' | 0920 | 30 | 0925 | 30 | SH | P | DDW |
| 10/19/95 | 402-405 | 362'-296' | 0845 | 30 | 0850 | 30 | SH | P | DDW |
| 10/19/95 | 402-406 | 388'-362' | 0831 | 30 | 0836 | 30 | SH | P | DDW |
| 10/19/95 | 403-405 | 0'-7' | | | | | PATCH | - | DDW |
| 10/19/95 | 403-405 | 7'-33' | 0921 | 30 | 0926 | 29 | SH | P | DDW |
| 10/19/95 | 407-408 | 101'-67' | 1032 | 29 | 1037 | 28 | AL | P | DDW |
| 10/19/95 | 407-409 | 50'-39' | 1005 | 31 | 1010 | 30 | AL | P | DDW |
| 10/19/95 | 407-409 | 67'-50' | 1008 | 32 | 1013 | 31 | AL | P | DDW |
| 10/19/95 | 407-410 | 0'-39' | 0922 | 30 | 0927 | 28 | AL | P | DDW |
| 10/19/95 | 408-409 | 0'-15' | 1031 | 33 | 1036 | 30 | AL | P | DDW |
| 10/19/95 | 409-410 | 0'-20' | 0925 | 30 | 0930 | 27 | AL | P | DDW |
| 10/19/95 | 409R3165 | 51'-42' | | | | | EXT | - | DDW |
| 10/19/95 | 410-411 | 0'-22' | 1020 | 30 | 1025 | 28 | AL | P | DDW |
| 10/19/95 | 410-412 | 22'-42' | 1017 | 31 | 1022 | 30 | AL | P | DDW |
| 10/19/95 | 410R3165 | 42'-41' | | | | | EXT | - | DDW |
| 10/19/95 | 411-412 | 13'-0' | 1018 | 35 | 1023 | 35 | AL | P | DDW |
| 10/19/95 | 411-412 | 18'-13' | | | | | PATCH | - | DDW |
| 10/19/95 | 412R3165 | 0'-9' | | | | | EXT | - | DDW |
| 10/19/95 | 412R3167 | 14'-9' | | | | | PATCH | - | DDW |
| 10/20/95 | 327-414 | 0'-16' | 1515 | 30 | 1520 | 30 | KO | P | NMB |
| 10/20/95 | 328-414 | 16'-39' | 1522 | 30 | 1527 | 28 | KO | P | NMB |
| 10/20/95 | 329-414 | 39'-61' | 1530 | 30 | 1535 | 29 | KO | P | NMB |
| 10/20/95 | 330-413 | 4'-18' | | | | | EXT | - | NMB |
| 10/20/95 | 330-414 | 0'-8' | | | | | EXT | - | NMB |
| 10/20/95 | 330-415 | 8'-52' | | | | | EXT | - | NMB |
| 10/20/95 | 332-399 | 6'-15' | | | | | EXT | - | NMB |
| 10/20/95 | 379-413 | 139'-161' | 1042 | 30 | 1047 | 29 | CS | P | DDW |
| 10/20/95 | 380-414 | 161'-183' | 1451 | 30 | 1456 | 30 | CS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/20/95 | 399-330 | 0'-6' | | | | | EXT | - | NMB |
| 10/20/95 | 399-413 | 15'-0' | | | | | EXT | - | DDW |
| 10/20/95 | 402-413 | 166'-24' | 0950 | 30 | 0955 | 30 | KC | P | DDW |
| 10/20/95 | 402-413 | 179'-166' | | | | | EXT | - | DDW |
| 10/20/95 | 402-413 | 24'-15' | | | | | EXT | - | DDW |
| 10/20/95 | 402-413 | 289'-179' | 1030 | 30 | 1035 | 28 | KC | P | DDW |
| 10/20/95 | 402-413 | 312'-289' | | | | | EXT | - | DDQ |
| 10/20/95 | 402-413 | 406'-312' | 0955 | 30 | 1000 | 29 | CS | P | DDW |
| 10/20/95 | 402-413 | 425'-406' | | | | | EXT | - | DDW |
| 10/20/95 | 402-413 | 513'-425' | 0850 | 30 | 0855 | 28 | SK | P | DDW |
| 10/20/95 | 413-414 | 112'-133' | | | | | EXT | - | DDW |
| 10/20/95 | 413-414 | 133'-265' | 1350 | 30 | 1655 | 27 | KC | P | DDW |
| 10/20/95 | 413-414 | 265'-269' | | | | | EXT | - | DDW |
| 10/20/95 | 413-414 | 269'-278' | | | | | EXT | - | DDW |
| 10/20/95 | 413-414 | 278'-393' | 1430 | 30 | 1435 | 29 | KC | P | DDW |
| 10/20/95 | 413-414 | 393'-409' | | | | | EXT | - | DDW |
| 10/20/95 | 413-414 | 409'-511' | 1432 | 30 | 1437 | 27 | CS | P | DDW |
| 10/20/95 | 413-414 | 511'-529' | | | | | EXT | - | DDW |
| 10/20/95 | 413-414 | 529'-570' | 1425 | 30 | 1430 | 30 | CS | P | DDW |
| 10/20/95 | 413-414 | 570'-613' | 1444 | 30 | 1449 | 29 | CS | P | DDW |
| 10/20/95 | 413-415 | 18'-22' | | | | | EXT | - | NMB |
| 10/20/95 | 414-415 | 69'-112' | | | | | EXT | - | NMB |
| 10/25/95 | 398-399 | 274'-287' | 1700 | 30 | 1705 | 28 | KO | P | DDW |
| 10/25/95 | 414-416 | 109'-0' | 0955 | 30 | 1000 | 29 | SH | P | DDW |
| 10/25/95 | 414-416 | 121'-109' | | | | | EXT | - | DDW |
| 10/25/95 | 414-416 | 188'-121' | 1120 | 30 | 1125 | 28 | SH | P | DDW |
| 10/25/95 | 414-416 | 247'-188' | 1030 | 30 | 1035 | 30 | KC | P | DDW |
| 10/25/95 | 414-416 | 260'-247' | | | | | EXT | - | DDW |
| 10/25/95 | 414-416 | 373'-260' | 1125 | 30 | 1130 | 29 | KC | P | DDW |
| 10/25/95 | 414-416 | 389'-373' | | | | | EXT | - | DDW |
| 10/25/95 | 414-416 | 502'-389' | 0945 | 30 | 0950 | 30 | KS | P | DDW |
| 10/25/95 | 414-416 | 523'-502' | | | | | EXT | - | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/25/95 | 414-416 | 582'-523' | 1045 | 30 | 1050 | 30 | AL | P | DDW |
| 10/25/95 | 416-417 | 0'-84' | 1324 | 32 | 1329 | 29 | LK | P | DDW |
| 10/25/95 | 416-417 | 107'-123' | | | | | EXT | - | DDW |
| 10/25/95 | 416-417 | 123'-244' | 1320 | 30 | 1325 | 29 | KC | P | DDW |
| 10/25/95 | 416-417 | 244'-257' | | | | | EXT | - | DDW |
| 10/25/95 | 416-417 | 257'-371' | 1340 | 30 | 1345 | 29 | KC | P | DDW |
| 10/25/95 | 416-417 | 371'-385' | | | | | EXT | - | DDW |
| 10/25/95 | 416-417 | 385'-514' | 1240 | 30 | 1245 | 30 | KS | P | DDW |
| 10/25/95 | 416-417 | 514'-521' | | | | | EXT | - | DDW |
| 10/25/95 | 416-417 | 521'-531' | | | | | PATCH | - | DDW |
| 10/25/95 | 416-417 | 531'-537' | | | | | EXT | - | DDW |
| 10/25/95 | 416-417 | 537'-580' | 1235 | 30 | 1240 | 30 | KS | P | DDW |
| 10/25/95 | 416-417 | 84'-107' | 1320 | 30 | 1325 | 27 | LK | P | DDW |
| 10/25/95 | 417-418 | 538'-567' | | | | | EXT | D | DDW |
| 10/25/95 | 417-419 | 111'-0' | 1440 | 30 | 1445 | 29 | SH | P | DDW |
| 10/25/95 | 417-419 | 124'-111' | | | | | EXT | - | DDW |
| 10/25/95 | 417-419 | 246'-124' | 1545 | 34 | 1550 | 32 | KO | P | DDW |
| 10/25/95 | 417-419 | 264'-246' | | | | | EXT | - | DDW |
| 10/25/95 | 417-419 | 375'-264' | 1500 | 30 | 1505 | 29 | KC | P | DDW |
| 10/25/95 | 417-419 | 395'-375' | | | | | EXT | - | DDW |
| 10/25/95 | 417-419 | 538'-395' | 1510 | 30 | 1515 | 30 | CS | P | DDW |
| 10/25/95 | 418-419 | 0'-20' | | | | | EXT | - | DDW |
| 10/26/95 | 419-420 | 0'-109' | 0845 | 30 | 0850 | 29 | KC | P | DDW |
| 10/26/95 | 419-420 | 109'-120' | | | | | EXT | - | DDW |
| 10/26/95 | 419-420 | 120'-125' | | | | | EXT | - | DDW |
| 10/26/95 | 419-420 | 125'-236' | 0910 | 30 | 0915 | 30 | KC | P | DDW |
| 10/26/95 | 419-420 | 236'-255' | | | | | EXT | - | DDW |
| 10/26/95 | 419-420 | 255'-364' | 0855 | 30 | 0900 | 30 | CS | P | DDW |
| 10/26/95 | 419-420 | 364'-369' | | | | | EXT | - | DDW |
| 10/26/95 | 419-420 | 369'-376 | | | | | PATCH | - | DDW |
| 10/26/95 | 419-420 | 375'-377' | | | | | EXT | - | DDW |
| 10/26/95 | 419-421 | 502'-536' | 1150 | 30 | 1155 | 28 | AL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/26/95 | 419-422 | 430'-497' | 1128 | 30 | 1133 | 30 | AL | P | DDW |
| 10/26/95 | 419-422 | 497'-502' | | | | | PATCH | - | DDW |
| 10/26/95 | 419-425 | 376'-387' | | | | | EXT | - | DDW |
| 10/26/95 | 419-425 | 387'-430' | 1051 | 30 | 1056 | 27 | AL | P | DDW |
| 10/26/95 | 420-421 | 130'-120' | 1146 | 30 | 1151 | 31 | AL | P | DDW |
| 10/26/95 | 420-421 | 149'-130' | 1231 | 30 | 1236 | 30 | KS | P | DDW |
| 10/26/95 | 420-421 | 155'-149' | 1232 | 30 | 1237 | 30 | KS | P | DDW |
| 10/26/95 | 420-422 | 120'-58' | 1127 | 31 | 1132 | 29 | AL | P | DDW |
| 10/26/95 | 420-423 | 108'-0' | 1050 | 30 | 1055 | 29 | KC | P | DDW |
| 10/26/95 | 420-423 | 121'-108' | | | | | EXT | - | DDW |
| 10/26/95 | 420-423 | 234'-121' | 1245 | 30 | 1250 | 30 | KC | P | DDW |
| 10/26/95 | 420-423 | 247'-234' | | | | | EXT | - | DDW |
| 10/26/95 | 420-423 | 368'-247' | 1300 | 30 | 1305 | 30 | KS | P | DDW |
| 10/26/95 | 420-423 | 381'-368' | | | | | EXT | - | DDW |
| 10/26/95 | 420-423 | 515'-381' | 1238 | 30 | 1243 | 30 | KS | P | DDW |
| 10/26/95 | 420-425 | 10'-0' | | | | | EXT | - | DDW |
| 10/26/95 | 420-425 | 58'-10' | 1057 | 35 | 1102 | 33 | AL | P | DDW |
| 10/26/95 | 421-422 | 0'-13' | 1310 | 30 | 1315 | 29 | SH | P | DDW |
| 10/26/95 | 423-426 | 107'-144' | 1520 | 30 | 1525 | 30 | KC | P | DDW |
| 10/26/95 | 423-428 | 181'-204' | 1600 | 31 | 1605 | 31 | KC | P | DDW |
| 10/26/95 | 423-429 | 204'-226' | | | | | EXT | - | DDW |
| 10/26/95 | 423-430 | 359'-482' | 1635 | 30 | 1640 | 30 | CS | P | DDW |
| 10/26/95 | 423-4303 | 336'-359' | | | | | EXT | - | DDW |
| 10/26/95 | 423-432 | 268'-336' | 1650 | 30 | 1655 | 30 | CS | P | DDW |
| 10/26/95 | 426-427 | 311'-317' | 1812 | 30 | 1817 | 30 | CS | P | DDW |
| 10/26/95 | 426-428 | 0'-63' | 1552 | 30 | 1557 | 30 | KC | P | DDW |
| 10/26/95 | 426-429 | 208'-192' | | | | | EXT | - | DDW |
| 10/26/95 | 426-429 | 311'-208' | 1642 | 30 | 1647 | 29 | CS | P | DDW |
| 10/26/95 | 426-429 | 63'-80' | | | | | EXT | - | DDW |
| 10/26/95 | 427-429 | 0'-22' | 1803 | 31 | 1808 | 30 | CS | P | DDW |
| 10/26/95 | 427-431 | 188'-205' | 1800 | 30 | 1805 | 29 | CS | P | DDW |
| 10/26/95 | 428-429 | 0'-12' | 1550 | 30 | 1555 | 29 | KC | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/26/95 | 429-430 | 64'-87' | | | | | EXT | - | DDW |
| 10/26/95 | 429-430 | 87'-153' | 1630 | 30 | 1635 | 28 | CS | P | DDW |
| 10/26/95 | 429-431 | 153'-169' | 1815 | 31 | 1820 | 30 | CS | P | DDW |
| 10/26/95 | 429-431 | 169'-184' | 1814 | 35 | 1819 | 33 | CS | P | DDW |
| 10/26/95 | 429-432 | 0'-64' | 1655 | 30 | 1700 | 29 | CS | P | DDW |
| 10/26/95 | 430-431 | 30'-0' | 1818 | 30 | 1823 | 28 | CS | P | DDW |
| 10/26/95 | 430-431 | 54'-30' | 1810 | 32 | 1815 | 32 | CS | P | DDW |
| 10/26/95 | 430-432 | 0'-10' | | | | | EXT | - | DDW |
| 10/26/95 | 442-425 | 0'-5' | | | | | EXT | | DDW |
| 10/27/95 | 10-435 | 33'-54' | 1534 | 32 | 1539 | 31 | CS | P | NMB |
| 10/27/95 | 11-435 | 11'-33' | 1539 | 31 | 1544 | 30 | CS | P | NMB |
| 10/27/95 | 12-435 | 0'-11' | | | | | EXT | - | NMB |
| 10/27/95 | 248-436 | 0'-16' | | | | | EXT | - | NMB |
| 10/27/95 | 287-423 | 17'-0' | 1024 | 30 | 1029 | 26 | KO | P | DDW |
| 10/27/95 | 287-424 | 28'-00' | 1025 | 30 | 1030 | 26 | KO | P | DDW |
| 10/27/95 | 287-424 | 98'-107' | 1705 | 30 | 1710 | 30 | CS | P | DDW |
| 10/27/95 | 287-424 | 98'-28' | 1005 | 30 | 1010 | 29 | LK | P | DDW |
| 10/27/95 | 287-433 | 117'-107' | | | | | EXT | - | DDW |
| 10/27/95 | 287-433 | 117'-221' | 0950 | 30 | 0955 | 30 | KO | P | DDW |
| 10/27/95 | 287-433 | 233'-221' | | | | | EXT | - | DDW |
| 10/27/95 | 287-433 | 346'-233' | 1025 | 30 | 1030 | 28 | CS | P | DDW |
| 10/27/95 | 287-433 | 359'-346' | | | | | EXT | - | DDW |
| 10/27/95 | 287-433 | 433'-359' | 0940 | 30 | 0945 | 28 | CS | P | DDW |
| 10/27/95 | 287-433 | 451'-433' | 0920 | 30 | 0925 | 29 | CS | P | DDW |
| 10/27/95 | 287-433 | 451'-460' | | | | | EXT | | DDW |
| 10/27/95 | 423-424 | 17'-77' | 1015 | 30 | 1020 | 30 | KO | P | DDW |
| 10/27/95 | 423-424 | 71'-79' | | | | | PATCH | - | DDW |
| 10/27/95 | 423-428 | 144'-181' | 1030 | 30 | 1035 | 29 | KO | P | DDW |
| 10/27/95 | 423-429 | 268'-226' | 1042 | 30 | 1047 | 29 | CS | P | DDW |
| 10/27/95 | 423-434 | 100'-107' | | | | | EXT | - | DDW |
| 10/27/95 | 423-434 | 79'-100' | | | | | EXT | - | DDW |
| 10/27/95 | 424-433 | 0'-14' | 1008 | 30 | 1013 | 29 | KO | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 10/27/95 | 424-434 | 14'-24' | | | | | EXT | - | DDW |
| 10/27/95 | 426-429 | 192'-80' | 1035 | 32 | 1040 | 31 | CS | P | DDW |
| 10/27/95 | 426-433 | 127'-43' | 0948 | 33 | 0953 | 32 | LK | P | DDW |
| 10/27/95 | 426-433 | 143'-127' | | | | | EXT | - | DDW |
| 10/27/95 | 426-433 | 24'-43' | 0915 | 30 | 0920 | 30 | LK | P | DDW |
| 10/27/95 | 426-433 | 257'-143' | 1030 | 30 | 1035 | 29 | CS | P | DDW |
| 10/27/95 | 426-433 | 271'-257' | | | | | EXT | - | DDW |
| 10/27/95 | 426-433 | 370'-271' | 0915 | 30 | 0920 | 30 | CS | P | DDW |
| 10/27/95 | 426-434 | 13'-16' | | | | | PATCH | - | DDW |
| 10/27/95 | 426-434 | 2'-8' | | | | | PATCH | - | DDW |
| 10/27/95 | 426-434 | 8'-13' | | | | | EXT | - | DDW |
| 10/27/95 | 429-431 | 184'-188' | | | | | EXT | | DDW |
| 10/27/95 | 433-434 | 24'-0' | | | | | EXT | - | DDW |
| 10/27/95 | 434-426 | 0'-2' | | | | | EXT | - | DDW |
| 10/27/95 | 435-436 | 0'-18' | 1515 | 32 | 1520 | 31 | CS | P | NMB |
| 10/27/95 | 7-436 | 97'-113' | | | | | EXT | - | NMB |
| 10/27/95 | 8-436 | 76'-97' | 1525 | 30 | 1530 | 30 | CS | P | NMB |
| 10/27/95 | 9-435 | 54'-60' | | | | | EXT | - | NMB |
| 10/27/95 | 9-436 | 60'-76' | 1526 | 30 | 1531 | 29 | CS | P | NMB |
| 10/30/95 | 384-439 | 44'-48' | | | | | EXT | - | DDW |
| 10/30/95 | 384-441 | 14'-0' | | | | | EXT | - | DDW |
| 10/30/95 | 384-441 | 14'-101' | 1555 | 30 | 1600 | 28 | KO | P | DDW |
| 10/30/95 | 385-439 | 0'-14' | | | | | EXT | - | DDW |
| 10/30/95 | 407-437 | 22'-39' | | | | | EXT | - | DDW |
| 10/30/95 | 407-439 | 0'-22' | | | | | EXT | - | DDW |
| 10/30/95 | 407-440 | 11'-22' | | | | | EXT | - | DDW |
| 10/30/95 | 437-438 | 0'-24' | 1430 | 30 | 1435 | 30 | CS | P | DDW |
| 10/30/95 | 437-440 | 24'-32' | 1505 | 30 | 1510 | 29 | CS | P | DDW |
| 10/30/95 | 438-440 | 0'-21' | 1500 | 30 | 1505 | 29 | KO | P | DDW |
| 10/30/95 | 438-443 | 0'-19' | 1522 | 30 | 1527 | 29 | KO | P | DDW |
| 10/30/95 | 439-440 | 0'-11' | | | | | EXT | - | DDW |
| 10/30/95 | 439-441 | 44'-28' | | | | | EXT | - | DDW |

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**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 10/30/95 | 440-441 | 28'-22' | | | | | EXT | - | DDW |
| 10/30/95 | 440-443 | 22'-19' | | | | | EXT | - | DDW |
| 10/30/95 | 441-442 | 0'-43' | 1506 | 30 | 1511 | 28 | KO | P | DDW |
| 10/30/95 | 441-443 | 43'-50' | | | | | EXT | - | DDW |
| 10/30/95 | 442-443 | 0'-18' | 1515 | 30 | 1520 | 28 | KO | P | DDW |
| 11/1/95 | 20-444 | 0'-6' | | | | | EXT | - | DDW |
| 11/1/95 | 21-444 | 0'-22' | | | | | EXT | - | DDW |
| 11/1/95 | 22-444 | 2'-0' | | | | | PATCH | - | DDW |
| 11/1/95 | 22-445 | 0'-22' | | | | | EXT | - | DDW |
| 11/1/95 | 23-445 | 0'-10' | | | | | EXT | - | DDW |
| 11/1/95 | 282-444 | 50'-72' | | | | | PATCH | - | DDW |
| 11/1/95 | 282-444 | 72'-95' | | | | | EXT | - | DDW |
| 11/1/95 | 283-444 | 28'-50' | | | | | EXT | - | DDW |
| 11/1/95 | 284-444 | 17'-28' | | | | | PATCH | - | DDW |
| 11/1/95 | 284-444 | 6'-17' | | | | | EXT | - | DDW |
| 11/1/95 | 420-444 | 13'-22' | | | | | EXT | - | DDW |
| 11/1/95 | 423-444 | 0'-13' | | | | | EXT | - | DDW |
| 11/1/95 | 423-444 | 95'-101' | | | | | EXT | - | DDW |
| 11/1/95 | 444-445 | 126'-83' | 1057 | 31 | 1102 | 29 | KO | P | DDW |
| 11/1/95 | 444-445 | 83'-2' | 1104 | 30 | 1109 | 28 | KO | P | DDW |
| 11/1/95 | 445-446 | 10'-40' | 1030 | 30 | 1035 | 29 | KO | P | DDW |
| 11/1/95 | 445-446 | 40'-58' | 1033 | 30 | 1038 | 30 | KO | P | DDW |
| 11/1/95 | 445-446 | 58'-122' | 1035 | 30 | 1040 | 28 | KO | P | DDW |
| 11/1/95 | 445-448 | 0'-22' | 1322 | 30 | 1327 | 28 | KO | P | DDW |
| 11/1/95 | 446-447 | 50'-60' | 1127 | 31 | 1132 | 29 | KO | P | DDW |
| 11/1/95 | 446-447 | 60'-150' | 1134 | 30 | 1139 | 29 | KO | P | DDW |
| 11/1/95 | 446-447 | O'-50' | 1120 | 30 | 1125 | 28 | KO | P | DDW |
| 11/1/95 | 446-448 | 122'-159' | 1312 | 30 | 1317 | 28 | KO | P | DDW |
| 11/1/95 | 448-453 | 159'-187' | 1310 | 30 | 1315 | 29 | KO | P | DDW |
| 11/6/95 | 110-454 | 0'-7' | | | | | EXT | - | DDW |
| 11/6/95 | 114-454 | 3'-26' | | | | | EXT | - | DDW |
| 11/6/95 | 23-446 | 0'-22' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/6/95 | 24-447 | 0'-22' | | | | | EXT | - | DDW |
| 11/6/95 | 25-447 | 0'-17' | | | | | CAP | - | DDW |
| 11/6/95 | 25-450 | 0-21 | | | | | CAP | - | DDW |
| 11/6/95 | 25-454 | 0'-3' | | | | | PATCH | - | DDW |
| 11/6/95 | 27-454 | 26'-48' | | | | | EXT | - | DDW |
| 11/6/95 | 28-454 | 48'-70' | | | | | EXT | - | DDW |
| 11/6/95 | 29-454 | 70'-85' | | | | | EXT | - | DDW |
| 11/6/95 | 29-454 | 85'-90' | | | | | EXT | - | DDW |
| 11/6/95 | 317-451 | 92'-95' | | | | | EXT | - | DDW |
| 11/6/95 | 323-451 | 72'-83' | | | | | EXT | - | DDW |
| 11/6/95 | 323-451 | 83'-92' | | | | | EXT | - | DDW |
| 11/6/95 | 324-451 | 51'-72' | | | | | EXT | - | DDW |
| 11/6/95 | 325-451 | 28'-51' | | | | | EXT | - | DDW |
| 11/6/95 | 326-451 | 6'-28' | | | | | EXT | - | DDW |
| 11/6/95 | 327-451 | 0'-6' | | | | | EXT | - | DDW |
| 11/6/95 | 414-448 | 0'-10' | | | | | EXT | - | DDW |
| 11/6/95 | 414-451 | 0'-12' | | | | | EXT | - | DDW |
| 11/6/95 | 416-448 | 183'-204' | | | | | EXT | - | DDW |
| 11/6/95 | 417-448 | 173'-183' | | | | | EXT | - | DDW |
| 11/6/95 | 417-449 | 4'-17' | | | | | EXT | - | DDW |
| 11/6/95 | 419-449 | 0'-4' | | | | | EXT | - | DDW |
| 11/6/95 | 419-449 | 14'-31' | | | | | EXT | - | DDW |
| 11/6/95 | 420-449 | 0'-14' | | | | | EXT | - | DDW |
| 11/6/95 | 444-449 | 0'-10' | | | | | EXT | - | DDW |
| 11/6/95 | 446-453 | 0'-22' | | | | | EXT | - | DDW |
| 11/6/95 | 447-450 | 144'-17' | | | | | EXT | - | DDW |
| 11/6/95 | 447-451 | 22'-45' | | | | | EXT | - | DDW |
| 11/6/95 | 447-452 | 162'-144' | | | | | EXT | - | DDW |
| 11/6/95 | 447-453 | 150'-173' | | | | | EXT | - | DDW |
| 11/6/95 | 448-449 | 173'-126' | | | | | EXT | - | DDW |
| 11/6/95 | 448-451 | 0'-13' | | | | | EXT | - | DDW |
| 11/6/95 | 450-452 | 0'-22' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/6/95 | 450-454 | 0'-22' | | | | | EXT | - | DDW |
| 11/6/95 | 450-455 | 22'-44' | 1640 | 30 | 1645 | 29 | CS | P | DDW |
| 11/6/95 | 451-452 | 45'-69' | | | | | EXT | - | DDW |
| 11/6/95 | 451-453 | 0'-22' | | | | | EXT | - | DDW |
| 11/7/95 | 317-462 | 95'-115' | | | | | EXT | - | DDW |
| 11/7/95 | 320-463 | 115'-138' | | | | | EXT | - | DDW |
| 11/7/95 | 321-463 | 138'-161' | | | | | EXT | - | DDW |
| 11/7/95 | 322-463 | 161'-166' | | | | | EXT | - | DDW |
| 11/7/95 | 450-457 | 44'-66' | 0743 | 30 | 0748 | 30 | KS | P | DDW |
| 11/7/95 | 450-458 | 66'-70' | | | | | EXT | - | DDW |
| 11/7/95 | 450-458 | 70'-88' | 0756 | 30 | 0801 | 29 | KS | P | DDW |
| 11/7/95 | 450-460 | 88'-110' | 0810 | 30 | 0815 | 30 | KS | P | DDW |
| 11/7/95 | 450-461 | 110'-125' | | | | | EXT | - | DDW |
| 11/7/95 | 451-461 | 12'-19' | | | | | EXT | - | DDW |
| 11/7/95 | 451-462 | 0'-20' | | | | | EXT | - | DDW |
| 11/7/95 | 451R3563 | 67'-79' | | | | | PATCH | - | DDW |
| 11/7/95 | 452-461 | 125'-132' | | | | | EXT | - | DDW |
| 11/7/95 | 452R3563 | 132'-136' | | | | | EXT | - | DDW |
| 11/7/95 | 454-455 | 49'-0' | 0752 | 30 | 0757 | 29 | KS | P | DDW |
| 11/7/95 | 454-456 | 93'-49' | 0751 | 30 | 0756 | 28 | KS | P | DDW |
| 11/7/95 | 455-456 | 0'-22' | 0750 | 30 | 0755 | 29 | KS | P | DDW |
| 11/7/95 | 455-457 | 0'-49' | 0744 | 30 | 0749 | 30 | KS | P | DDW |
| 11/7/95 | 456-457 | 49'-93' | 0750 | 30 | 0755 | 30 | KS | P | DDW |
| 11/7/95 | 457-458 | 24'-0' | 0737 | 30 | 0742 | 30 | KS | P | DDW |
| 11/7/95 | 457-458 | 72'-24' | 0731 | 30 | 0736 | 30 | KS | P | DDW |
| 11/7/95 | 457-459 | 94'-72' | 0725 | 30 | 0730 | 30 | KS | P | DDW |
| 11/7/95 | 458-459 | 0'-22' | 0804 | 30 | 0809 | 30 | KS | P | DDW |
| 11/7/95 | 458-460 | 0'-71' | 0754 | 30 | 0759 | 28 | KS | P | DDW |
| 11/7/95 | 459-460 | 71'-81' | 0803 | 30 | 0808 | 30 | KS | P | DDW |
| 11/7/95 | 459-460 | 81'-89' | 0802 | 30 | 0807 | 30 | KS | P | DDW |
| 11/7/95 | 461R3563 | 0'-12' | | | | | PATCH | - | DDW |
| 11/8/95 | 110-468 | 0'-14' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/8/95 | 111-468 | 14'-37' | | | | | EXT | - | DDW |
| 11/8/95 | 112-468 | 37'-59' | | | | | EXT | - | DDW |
| 11/8/95 | 113-468 | 59'-80' | | | | | EXT | - | DDW |
| 11/8/95 | 115-468 | 0'-4' | | | | | EXT | - | DDW |
| 11/8/95 | 116-468 | 4'-7' | | | | | EXT | - | DDW |
| 11/8/95 | 116-473 | 7'-29' | | | | | EXT | - | DDW |
| 11/8/95 | 117-472 | 46'-55' | | | | | EXT | - | DDW |
| 11/8/95 | 117-473 | 29'-46' | | | | | EXT | - | DDW |
| 11/8/95 | 118-472 | 55'-79' | | | | | EXT | - | DDW |
| 11/8/95 | 119-471 | 82'-101' | | | | | EXT | - | DDW |
| 11/8/95 | 119-472 | 79'-82' | | | | | EXT | - | DDW |
| 11/8/95 | 128-471 | 0'-6' | | | | | EXT | - | DDW |
| 11/8/95 | 128-475 | 0'-17' | | | | | EXT | - | DDW |
| 11/8/95 | 129-471 | 101'-107' | | | | | EXT | - | DDW |
| 11/8/95 | 309-469 | 204'-222' | | | | | EXT | - | DDW |
| 11/8/95 | 309-474 | 222'-228' | | | | | EXT | - | DDW |
| 11/8/95 | 312-469 | 181'-204' | | | | | EXT | - | DDW |
| 11/8/95 | 313-469 | 160'-181' | | | | | EXT | - | DDW |
| 11/8/95 | 454-456 | 93'-101' | | | | | PATCH | - | DDW |
| 11/8/95 | 454-468 | 0'-14' | 1025 | 30 | 1030 | 30 | SH | P | DDW |
| 11/8/95 | 456-457 | 93'-104' | | | | | EXT | - | DDW |
| 11/8/95 | 456-467 | 0'-22' | 1014 | 30 | 1019 | 30 | SH | P | DDW |
| 11/8/95 | 457-459 | 94'-128' | 0955 | 30 | 1000 | 30 | SH | P | DDW |
| 11/8/95 | 457-466 | 0'-22' | 1000 | 30 | 1005 | 30 | SH | P | DDW |
| 11/8/95 | 457-767 | 104'-125' | 1003 | 30 | 1008 | 28 | SH | P | DDW |
| 11/8/95 | 459-460 | 89'-114' | 0900 | 30 | 0905 | 30 | SH | P | DDW |
| 11/8/95 | 459-464 | 114'-133' | 0903 | 30 | 0908 | 30 | SH | P | DDW |
| 11/8/95 | 459-465 | 0'-22' | 0945 | 30 | 0950 | 30 | SH | P | DDW |
| 11/8/95 | 459-466 | 128'-135' | 1410 | 30 | 1415 | 30 | SH | P | DDW |
| 11/8/95 | 460-461 | 0'-114' | 1502 | 30 | 1507 | 29 | AL | P | DDW |
| 11/8/95 | 460-464 | 0'-22' | 0901 | 30 | 0906 | 30 | SH | P | DDW |
| 11/8/95 | 461-462 | 19'-42' | 1441 | 30 | 1446 | 28 | AL | P | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/8/95 | 461-463 | 42'-102' | 1456 | 30 | 1501 | 28 | AL | P | DDW |
| 11/8/95 | 461-464 | 114'-160' | 0902 | 30 | 0907 | 30 | SH | P | DDW |
| 11/8/95 | 462-463 | 0'-15' | 1446 | 30 | 1451 | 29 | AL | P | DDW |
| 11/8/95 | 464-465 | 133'-160' | 0925 | 30 | 0930 | 30 | SH | P | DDW |
| 11/8/95 | 464-469 | 0'-22' | | | | | EXT | - | DDW |
| 11/8/95 | 465-466 | 135'-159' | 0948 | 30 | 0953 | 30 | SH | P | DDW |
| 11/8/95 | 465-466 | 159'-174' | | | | | EXT | - | DDW |
| 11/8/95 | 465-469 | 160'-173' | | | | | EXT | - | DDW |
| 11/8/95 | 465-470 | 0'-22' | | | | | EXT | - | DDW |
| 11/8/95 | 465-471 | 174'-179' | | | | | EXT | - | DDW |
| 11/8/95 | 466-467 | 125'-169' | 1002 | 30 | 1007 | 29 | SH | P | DDW |
| 11/8/95 | 466-471 | 0'-22' | | | | | EXT | - | DDW |
| 11/8/95 | 467-468 | 104'-167' | 1013 | 30 | 1018 | 29 | SH | P | DDW |
| 11/8/95 | 467-472 | 0'-22' | | | | | EXT | - | DDW |
| 11/8/95 | 468-456 | 101'-104' | | | | | EXT | - | DDW |
| 11/8/95 | 468-472 | 189'-167' | | | | | EXT | - | DDW |
| 11/8/95 | 468-473 | 0'-17' | | | | | EXT | - | DDW |
| 11/8/95 | 469-470 | 173'-175' | | | | | EXT | - | DDW |
| 11/8/95 | 469-470 | 175'-222' | 1100 | 30 | 1105 | 29 | LK | P | DDW |
| 11/8/95 | 469-474 | 0'-22' | | | | | EXT | - | DDW |
| 11/8/95 | 470-471 | 179'-280' | 1040 | 30 | 1045 | 29 | SH | P | DDW |
| 11/8/95 | 470-474 | 222'-275' | 1245 | 30 | 1250 | 29 | LK | P | DDW |
| 11/8/95 | 470-475 | 0'-22' | | | | | EXT | - | DDW |
| 11/8/95 | 471-472 | 172'-169' | | | | | EXT | - | DDW |
| 11/8/95 | 471-472 | 253'-172' | 1045 | 30 | 1050 | 28 | SH | P | DDW |
| 11/8/95 | 472-473 | 224'-189' | | | | | EXT | - | DDW |
| 11/8/95 | 474-475 | 275'-297' | 1247 | 30 | 1252 | 30 | LK | P | DDW |
| 11/9/95 | 127-474 | 29'-38' | | | | | EXT | - | DDW |
| 11/9/95 | 127-475 | 17'-29' | | | | | EXT | - | DDW |
| 11/9/95 | 154-476 | 106'-84' | | | | | EXT | - | DDW |
| 11/9/95 | 155-476 | 84'-62' | | | | | EXT | - | DDW |
| 11/9/95 | 156-476 | 62'-40' | | | | | EXT | - | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 11/9/95 | 157-476 | 40'-17' | | | | | EXT | - | DDW |
| 11/9/95 | 158-281 | 0'-8' | | | | | EXT | - | DDW |
| 11/9/95 | 158-476 | 17'-0' | | | | | EXT | - | DDW |
| 11/9/95 | 255-256 | 0'-5' | | | | | EXT | - | DDW |
| 11/9/95 | 256-480 | 88'-110' | | | | | EXT | - | DDW |
| 11/9/95 | 257-480 | 66'-88' | | | | | EXT | - | DDW |
| 11/9/95 | 258-479 | 44'-54' | | | | | EXT | - | DDW |
| 11/9/95 | 258-480 | 54'-66' | | | | | EXT | - | DDW |
| 11/9/95 | 259-479 | 22'-44' | | | | | EXT | - | DDW |
| 11/9/95 | 260-479 | 0'-22' | | | | | EXT | - | DDW |
| 11/9/95 | 261-478 | 0'-22' | | | | | EXT | - | DDW |
| 11/9/95 | 261-479 | 0'-12' | | | | | EXT | - | DDW |
| 11/9/95 | 262-478 | 14'-22' | | | | | EXT | - | DDW |
| 11/9/95 | 275-477 | 0'-18' | | | | | EXT | - | DDW |
| 11/9/95 | 280-477 | 18'-22' | | | | | EXT | - | DDW |
| 11/9/95 | 280-478 | 0'-14' | | | | | EXT | - | DDW |
| 11/9/95 | 281-476 | 0'-22' | | | | | EXT | - | DDW |
| 11/9/95 | 281-477 | 0'-5' | | | | | EXT | - | DDW |
| 11/9/95 | 304-474 | 0'-10' | | | | | EXT | - | DDW |
| 11/9/95 | 304-474 | 0'-8' | | | | | EXT | - | DDW |
| 11/9/95 | 305-474 | 274'-297' | | | | | EXT | - | DDW |
| 11/9/95 | 476-477 | 5'-66' | 1355 | 30 | 1400 | 29 | LK | P | DDW |
| 11/9/95 | 476-477 | 66'-123' | 1405 | 30 | 1410 | 30 | LK | P | DDW |
| 11/9/95 | 477-478 | 0'-10' | 1420 | 30 | 1425 | 29 | LK | P | DDW |
| 11/9/95 | 477-478 | 10'-58' | 1503 | 30 | 1508 | 30 | KO | P | DDW |
| 11/9/95 | 477-478 | 58'-123' | 1500 | 30 | 1505 | 28 | KO | P | DDW |
| 11/9/95 | 478-479 | 22'-79' | 1512 | 30 | 1517 | 28 | KO | P | DDW |
| 11/9/95 | 478-480 | 79'-125' | 1510 | 30 | 1515 | 29 | KO | P | DDW |
| 11/9/95 | 479-480 | 0'-10' | | | | | EXT | - | DDW |
| 11/13/95 | 133-482 | 21'-23' | | | | | EXT | - | DDW |
| 11/13/95 | 133-483 | 0'-20' | | | | | EXT | - | DDW |
| 11/13/95 | 136-482 | 0'-21' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/13/95 | 137-481 | 0'-20' | | | | | EXT | - | DDW |
| 11/13/95 | 139-484 | 11'-19' | | | | | EXT | - | DDW |
| 11/13/95 | 139R3766 | 0'-11' | | | | | PATCH | - | DDW |
| 11/13/95 | 140-484 | 19'-23' | | | | | EXT | - | DDW |
| 11/13/95 | 140-485 | 0'-20' | | | | | EXT | - | DDW |
| 11/13/95 | 141-485 | 20'-23' | | | | | EXT | - | DDW |
| 11/13/95 | 141-486 | 0'-20' | | | | | EXT | - | DDW |
| 11/13/95 | 142-486 | 20'-23' | | | | | EXT | - | DDW |
| 11/13/95 | 142-487 | 0'-20' | | | | | EXT | - | DDW |
| 11/13/95 | 143-487 | 20'-22' | | | | | EXT | - | DDW |
| 11/13/95 | 143-488 | 0'-22' | | | | | EXT | - | DDW |
| 11/13/95 | 147-490 | 0'-22' | | | | | EXT | - | DDW |
| 11/13/95 | 148-491 | 0'-23' | | | | | EXT | - | DDW |
| 11/13/95 | 288-481 | 35'-52' | | | | | EXT | - | DDW |
| 11/13/95 | 288-481 | 52'-133' | 1120 | 30 | 1125 | 29 | SH | P | DDW |
| 11/13/95 | 291-481 | 0'-35' | | | | | EXT | - | DDW |
| 11/13/95 | 481-482 | 134'-0' | 1123 | 31 | 1128 | 30 | SH | P | DDW |
| 11/13/95 | 482-483 | 0'-137' | 1313 | 30 | 1318 | 28 | SH | P | DDW |
| 11/13/95 | 483-484 | 110'-120' | 1355 | 60 | 1400 | 29 | SH | P | DDW |
| 11/13/95 | 483-484 | 110'-47' | 1400 | 28 | 1405 | 26 | SH | P | DDW |
| 11/13/95 | 483-484 | 47'-9' | 1401 | 28 | 1406 | 26 | SH | - | DDW |
| 11/13/95 | 483-484 | 9'-5' | | | | | PATCH | - | DDW |
| 11/13/95 | 484-485 | 0'-125' | 1355 | 33 | 1400 | 33 | SH | P | DDW |
| 11/13/95 | 485-486 | 0'-78' | 1456 | 30 | 1501 | 29 | SH | P | DDW |
| 11/13/95 | 485-486 | 78'-108' | 1455 | 30 | 1500 | 30 | SH | P | DDW |
| 11/13/95 | 486-487 | 0'-107' | 1507 | 32 | 1512 | 30 | SH | P | DDW |
| 11/13/95 | 487-488 | 0'-80' | 1515 | 31 | 1520 | 30 | SH | P | DDW |
| 11/13/95 | 487-489 | 80'-111' | 1523 | 30 | 1528 | 29 | SH | P | DDW |
| 11/13/95 | 488-489 | 0'-23' | 1521 | 30 | 1526 | 30 | SH | P | DDW |
| 11/13/95 | 488-490 | 66'-0' | 1536 | 31 | 1541 | 30 | SH | P | DDW |
| 11/13/95 | 488-490 | 75'-66' | 1535 | 31 | 1540 | 31 | SH | P | DDW |
| 11/13/95 | 489-490 | 103'-75' | 1535 | 30 | 1540 | 29 | SH | P | DDW |

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**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/13/95 | 490-491 | 0'-64' | 1545 | 30 | 1550 | 30 | SH | P | DDW |
| 11/13/95 | 490-492 | 64'-112' | 1600 | 29 | 1605 | 28 | SH | P | DDW |
| 11/13/95 | 491-492 | 0'-22' | 1546 | 30 | 1551 | 29 | SH | P | DDW |
| 11/16/95 | 148-493 | 0'-2' | | | | | EXT | - | DDW |
| 11/16/95 | 149-493 | 2'-22' | | | | | EXT | - | DDW |
| 11/16/95 | 149-496 | 191'-195' | | | | | EXT | - | DDW |
| 11/16/95 | 150-476 | 173'-185' | | | | | EXT | - | DDW |
| 11/16/95 | 150-496 | 185'-191' | | | | | EXT | - | DDW |
| 11/16/95 | 150R3909 | 0'-4' | | | | | EXT | - | DDW |
| 11/16/95 | 151R3909 | 0'-14' | | | | | EXT | - | DDW |
| 11/16/95 | 151R3910 | 14'-21' | | | | | EXT | - | DDW |
| 11/16/95 | 152R3909 | 0'-16' | | | | | EXT | - | DDW |
| 11/16/95 | 153R3910 | 0'-22' | | | | | EXT | - | DDW |
| 11/16/95 | 249-487 | 0'-15' | 1445 | 30 | 1450 | 30 | SH | P | DDW |
| 11/16/95 | 252-494 | 0'-21' | | | | | EXT | - | DDW |
| 11/16/95 | 253-495 | 0'-22' | | | | | EXT | - | DDW |
| 11/16/95 | 254-499 | 0'-22' | | | | | EXT | - | DDW |
| 11/16/95 | 255-498 | 110'-131' | | | | | EXT | - | DDW |
| 11/16/95 | 255-499 | 0'-10' | | | | | EXT | - | DDW |
| 11/16/95 | 476-477 | 123'-127' | | | | | EXT | - | DDW |
| 11/16/95 | 476-495 | 183'-197' | | | | | EXT | - | DDW |
| 11/16/95 | 476-496 | 0'-20' | | | | | EXT | - | DDW |
| 11/16/95 | 476-497 | 183'-127' | 1026 | 30 | 1031 | 29 | SH | P | DDW |
| 11/16/95 | 476R3909 | 173'-136' | | | | | EXT | - | DDW |
| 11/16/95 | 476R3910 | 106'-136' | | | | | EXT | - | DDW |
| 11/16/95 | 477-478 | 123'-133' | | | | | EXT | - | DDW |
| 11/16/95 | 477-497 | 0'-22' | 1048 | 30 | 1053 | 30 | SH | P | DDW |
| 11/16/95 | 478-480 | 125'-136' | 1303 | 30 | 1308 | 30 | SH | P | DDW |
| 11/16/95 | 478-495 | 22'-44' | 1126 | 30 | 1131 | 29 | SH | P | DDW |
| 11/16/95 | 478-497 | 133'-186' | 1104 | 30 | 1109 | 30 | SH | P | DDW |
| 11/16/95 | 478-498 | 136'-158' | 1310 | 30 | 1315 | 30 | SH | P | DDW |
| 11/16/95 | 478-499 | 158'-186' | 1138 | 30 | 1143 | 29 | SH | P | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/16/95 | 480-498 | 0'-10' | | | | | EXT | - | DDW |
| 11/16/95 | 489-490 | 103'-115' | 1434 | 30 | 1439 | 30 | SH | P | DDW |
| 11/16/95 | 491-493 | 0'-39' | 0904 | 30 | 0909 | 30 | SH | P | DDW |
| 11/16/95 | 491-493 | 39'-57' | 0905 | 30 | 0910 | 30 | SH | P | DDW |
| 11/16/95 | 492-493 | 57'-71' | 0935 | 30 | 0940 | 30 | SH | P | DDW |
| 11/16/95 | 492-494 | 71'-85' | 0945 | 30 | 0950 | 30 | SH | P | DDW |
| 11/16/95 | 492-494 | 85'-111' | 1425 | 30 | 1430 | 30 | SH | P | DDW |
| 11/16/95 | 493-494 | 0'-17' | 0900 | 30 | 0905 | 30 | SH | P | DDW |
| 11/16/95 | 493-494 | 17'-23' | | | | | PATCH | - | DDW |
| 11/16/95 | 493-495 | 49'-25' | 1003 | 30 | 1008 | 30 | SH | P | DDW |
| 11/16/95 | 493-495 | 74'-49' | 1005 | 30 | 1010 | 30 | SH | P | DDW |
| 11/16/95 | 493-496 | 0'-25' | | | | | EXT | - | DDW |
| 11/16/95 | 494-495 | 102'-92' | 1348 | 30 | 1353 | 30 | SH | P | DDW |
| 11/16/95 | 494-495 | 92'-74' | 1350 | 30 | 1355 | 30 | SH | P | DDW |
| 11/16/95 | 495-496 | 197'-205' | | | | | EXT | - | DDW |
| 11/16/95 | 495-497 | 0'-22' | 1114 | 30 | 1119 | 28 | SH | P | DDW |
| 11/16/95 | 495-499 | 44'-67' | 1315 | 30 | 1320 | 28 | SH | P | DDW |
| 11/16/95 | 498-499 | 0'-9' | | | | | EXT | - | DDW |
| 11/17/95 | 1-501 | 166'-225' | 1440 | 30 | 1445 | 29 | KC | P | DDW |
| 11/17/95 | 1-501 | 67'-84' | | | | | EXT | - | DDW |
| 11/17/95 | 1-501 | 84'-166' | 1445 | 30 | 1450 | 29 | KC | P | DDW |
| 11/17/95 | 13-481 | 6'-22' | | | | | EXT | - | DDW |
| 11/17/95 | 13-482 | 15'-21' | | | | | EXT | - | DDW |
| 11/17/95 | 13-501 | 0'-9' | | | | | EXT | - | DDW |
| 11/17/95 | 13-501 | 9'-67' | 1335 | 32 | 1340 | 32 | AL | P | DDW |
| 11/17/95 | 14-482E | 140'-145' | | | | | EXT | - | DDW |
| 11/17/95 | 14-482N | 0'-15' | | | | | EXT | - | DDW |
| 11/17/95 | 14-483 | 16'-22' | | | | | EXT | - | DDW |
| 11/17/95 | 15-483 | 0'-16' | | | | | EXT | - | DDW |
| 11/17/95 | 15-484 | 15'-21' | | | | | EXT | - | DDW |
| 11/17/95 | 16-484 | 7'-22' | | | | | EXT | - | DDW |
| 11/17/95 | 16-485 | 0'-7' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/17/95 | 17-485 | 7'-22' | | | | | EXT | - | DDW |
| 11/17/95 | 17-500 | 0'-7' | | | | | EXT | - | DDW |
| 11/17/95 | 18-249 | 7'-13' | | | | | EXT | - | DDW |
| 11/17/95 | 18-500 | 0'-22' | | | | | EXT | - | DDW |
| 11/17/95 | 247-490 | 0'-6' | | | | | EXT | - | DDW |
| 11/17/95 | 247-492 | 0'-21' | | | | | EXT | - | DDW |
| 11/17/95 | 248-490 | 0'-17' | | | | | EXT | - | DDW |
| 11/17/95 | 248R3944 | 0'-5' | | | | | EXT | - | DDW |
| 11/17/95 | 249-489 | 15'-23' | | | | | EXT | - | DDW |
| 11/17/95 | 249-500 | 0'-7' | | | | | EXT | - | DDW |
| 11/17/95 | 249R3944 | 0'-4' | | | | | EXT | - | DDW |
| 11/17/95 | 250-249 | 4'-14' | | | | | EXT | - | DDW |
| 11/17/95 | 250R3944 | 0'-10' | | | | | EXT | - | DDW |
| 11/17/95 | 252-492 | 21'-22' | | | | | EXT | - | DDW |
| 11/17/95 | 254-495 | 67'-72' | | | | | PATCH | - | DDW |
| 11/17/95 | 435-R4003 | 0'-14' | | | | | EXT | - | RI |
| 11/17/95 | 481-288 | 133'-156' | | | | | EXT | - | DDW |
| 11/17/95 | 481-482 | 154'-134' | 1507 | 30 | 1512 | 30 | LK | P | DDW |
| 11/17/95 | 481-501 | 0'-6' | | | | | EXT | - | DDW |
| 11/17/95 | 481-R3979 | 156'-161' | | | | | EXT | - | RI |
| 11/17/95 | 482-483 | 137'-140' | | | | | EXT | - | DDW |
| 11/17/95 | 483-484 | 120'-133' | | | | | EXT | - | DDW |
| 11/17/95 | 484-485 | 125'-130' | | | | | EXT | - | DDW |
| 11/17/95 | 485-486 | 108'-116' | | | | | EXT | - | DDW |
| 11/17/95 | 485-500 | 116'-126' | | | | | EXT | - | DDW |
| 11/17/95 | 486-487 | 107'-112' | | | | | EXT | - | DDW |
| 11/17/95 | 486-500 | 0'-21' | | | | | EXT | - | DDW |
| 11/17/95 | 487-500 | 15'-23' | | | | | EXT | - | DDW |
| 11/17/95 | 489R3944 | 0'-15' | | | | | EXT | - | DDW |
| 11/17/95 | 490R3944 | 115'-118' | | | | | EXT | - | DDW |
| 11/17/95 | 501-3979 | 6'-21' | | | | | EXT | - | DDW |
| 11/17/95 | 501-R4003 | 307'-325' | | | | | EXT | - | RI |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/17/95 | 7-501 | 228'-242' | | | | | EXT | - | RI |
| 11/17/95 | 7-501 | 242'-249' | 1310 | 30 | 1315 | 30 | CS | P | RI |
| 11/17/95 | 7-501 | 249'-307' | 1320 | 30 | 1325 | 29 | CS | P | RI |
| 11/17/95 | 7-R4003 | 0'-8' | | | | | EXT | - | RI |
| 11/18/95 | 1-501 | 225'-227' | | | | | EXT | - | RI |
| 11/18/95 | 288-289 | 166'-173' | | | | | EXT | - | RI |
| 11/18/95 | 288-R3979 | 0'-21' | | | | | EXT | - | RI |
| 11/18/95 | 289-290 | 181'-196' | | | | | EXT | - | RI |
| 11/18/95 | 289-R3979 | 173'-178' | | | | | EXT | - | RI |
| 11/18/95 | 289-R4025 | 17'-22' | | | | | EXT | - | RI |
| 11/18/95 | 289E-502 | 178'-184' | | | | | EXT | - | RI |
| 11/18/95 | 290-R4025 | 0'-17' | | | | | EXT | - | RI |
| 11/18/95 | 501-502 | 0'-12' | | | | | EXT | - | RI |
| 11/18/95 | 501-502 | 12'-67' | 837 | 32 | 842 | 30 | AL | P | RI |
| 11/18/95 | 501-502 | 225'-240' | | | | | EXT | - | RI |
| 11/18/95 | 501-502 | 321'-240' | 1050 | 30 | 1055 | 29 | CS | P | RI |
| 11/18/95 | 501-502 | 67'-77' | | | | | EXT | - | RI |
| 11/18/95 | 502-289N | 0'-17' | | | | | EXT | - | RI |
| 11/18/95 | 502-501 | 77'-225' | 1010 | 30 | 1015 | 29 | KC | P | RI |
| 11/18/95 | 502-503 | 2'-5' | | | | | EXT | - | RI |
| 11/18/95 | 502-503 | 218'-234' | | | | | EXT | - | RI |
| 11/18/95 | 502-503 | 272'-234' | 1030 | 30 | 1035 | 30 | CS | P | RI |
| 11/18/95 | 502-503 | 5'-218' | 1105 | 30 | 1110 | 30 | KC | P | RI |
| 11/18/95 | 502-505 | 272'-314' | 1031 | 30 | 1036 | 29 | CS | P | RI |
| 11/18/95 | 502-R3979 | 17'-21' | | | | | EXT | - | RI |
| 11/18/95 | 502-R4025 | 0'-2' | | | | | EXT | - | RI |
| 11/18/95 | 503-504 | 111'-101' | | | | | EXT | - | RI |
| 11/18/95 | 503-504 | 111'-217' | 1315 | 30 | 1320 | 29 | KC | P | RI |
| 11/18/95 | 503-504 | 240'-217' | | | | | EXT | - | RI |
| 11/18/95 | 503-504 | 278'-240' | 1140 | 30 | 1145 | 29 | CS | P | RI |
| 11/18/95 | 503-504 | 7'-101' | 1240 | 31 | 1245 | 30 | KC | P | RI |
| 11/18/95 | 503-505 | 0'-22' | 1037 | 31 | 1042 | 30 | CS | P | RI |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/18/95 | 503-R4025 | 0'-22' | | | | | EXT | - | RI |
| 11/18/95 | 504-506 | 106'-92' | | | | | EXT | - | RI |
| 11/18/95 | 504-506 | 228'-215' | | | | | EXT | - | RI |
| 11/18/95 | 504-506 | 305'-228' | 1422 | 30 | 1427 | 28 | CS | P | RI |
| 11/18/95 | 505-504 | 278'-310' | 1145 | 30 | 1150 | 30 | CS | P | RI |
| 11/18/95 | 7-501 | 227'-228' | | | | | EXT | - | RI |
| 11/20/95 | 290-294 | 189'-199' | | | | | EXT | - | RI |
| 11/20/95 | 290-R4061 | 17'-22' | | | | | EXT | - | RI |
| 11/20/95 | 294-295 | 224'-237' | | | | | EXT | - | RI |
| 11/20/95 | 294-504 | 5'-22' | | | | | EXT | - | RI |
| 11/20/95 | 294-506 | 0'-4' | | | | | EXT | - | RI |
| 11/20/95 | 294-R4061 | 199'-214' | | | | | EXT | - | RI |
| 11/20/95 | 295-297 | 244'-250' | | | | | EXT | - | RI |
| 11/20/95 | 295-506 | 4'-22' | | | | | EXT | - | RI |
| 11/20/95 | 295-R4057 | 17'-21' | | | | | EXT | - | RI |
| 11/20/95 | 297-299 | 262'-273' | | | | | EXT | - | RI |
| 11/20/95 | 297-507 | 4'-22' | | | | | EXT | - | RI |
| 11/20/95 | 297-R4057 | 250'-260' | | | | | EXT | - | RI |
| 11/20/95 | 297-R4070 | 19'-22' | | | | | EXT | - | RI |
| 11/20/95 | 299-302 | 264'-288' | | | | | CAP | - | RI |
| 11/20/95 | 299-508 | 3'-22' | | | | | EXT | - | RI |
| 11/20/95 | 299-R4070 | 273'-278' | | | | | EXT | - | RI |
| 11/20/95 | 299-R4091 | 19'-22' | | | | | EXT | - | RI |
| 11/20/95 | 302-R4091 | 288'-291' | | | | | EXT | - | RI |
| 11/20/95 | 503-R4061 | 3'-7' | | | | | EXT | - | RI |
| 11/20/95 | 504-506 | 215'-106' | 757 | 30 | 802 | 30 | LK | P | RI |
| 11/20/95 | 504-506 | 92'-0' | 800 | 30 | 805 | 29 | LK | P | RI |
| 11/20/95 | 504-R4061 | 0'-5' | | | | | EXT | - | RI |
| 11/20/95 | 506-507 | 110'-214' | 1510 | 30 | 1515 | 30 | KC | P | RI |
| 11/20/95 | 506-507 | 110'-90' | | | | | EXT | - | RI |
| 11/20/95 | 506-507 | 232'-214' | | | | | EXT | - | RI |
| 11/20/95 | 506-507 | 289'-232' | 932 | 30 | 937 | 29 | CS | P | RI |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/20/95 | 506-R4057 | 0'-10' | | | | | EXT | - | RI |
| 11/20/95 | 507-506 | 10'-90' | 940 | 30 | 945 | 30 | KC | P | RI |
| 11/20/95 | 507-506 | 289'-310' | 925 | 30 | 930 | 30 | CS | P | RI |
| 11/20/95 | 507-508 | 118'-210' | 1355 | 30 | 1400 | 29 | KC | P | RI |
| 11/20/95 | 507-508 | 223'-210' | | | | | EXT | - | RI |
| 11/20/95 | 507-508 | 299'-223' | 1125 | 30 | 1130 | 29 | CS | P | RI |
| 11/20/95 | 507-508 | 77'-5' | 1240 | 30 | 1245 | 29 | KC | P | RI |
| 11/20/95 | 507-508 | 96'-118' | 1350 | 30 | 1355 | 29 | KC | P | RI |
| 11/20/95 | 507-508 | 96'-77' | | | | | EXT | - | RI |
| 11/20/95 | 507-R4057 | 0'-4' | | | | | EXT | - | RI |
| 11/20/95 | 507-R4070 | 0'-5' | | | | | EXT | - | RI |
| 11/20/95 | 508-509 | 2'-73' | 1450 | 30 | 1455 | 29 | KC | P | RI |
| 11/20/95 | 508-509 | 200'-214' | | | | | EXT | - | RI |
| 11/20/95 | 508-509 | 214'-282' | 1345 | 30 | 1350 | 30 | CS | P | RI |
| 11/20/95 | 508-509 | 86'-200' | 1400 | 30 | 1405 | 29 | KC | P | RI |
| 11/20/95 | 508-511 | 282'-288' | | | | | EXT | - | RI |
| 11/20/95 | 508-R4070 | 0'-3' | | | | | EXT | - | RI |
| 11/20/95 | 508-R4091 | 0'-2' | | | | | EXT | - | RI |
| 11/20/95 | 509-510 | 280'-213' | 1445 | 32 | 1450 | 31 | CS | P | RI |
| 11/20/95 | 509-511 | 0'-22' | 1435 | 30 | 1440 | 30 | CS | P | RI |
| 11/20/95 | 509-R4091 | 0'-6' | | | | | EXT | - | RI |
| 11/20/95 | 510-511 | 280'-287' | | | | | CAP | - | RI |
| 11/20/95 | R4061R'25 | 0'-3' | | | | | EXT | - | RI |
| 11/21/95 | 302-303 | 284'-293' | | | | | EXT | - | RI |
| 11/21/95 | 302-509 | 0'-19' | | | | | EXT | - | RI |
| 11/21/95 | 302-R4138 | 19'-22' | | | | | EXT | - | RI |
| 11/21/95 | 303-307 | 288'-296' | | | | | EXT | - | RI |
| 11/21/95 | 303-510 | 3'-22' | | | | | EXT | - | RI |
| 11/21/95 | 303-R4138 | 293'-304' | | | | | EXT | - | RI |
| 11/21/95 | 303-R4147 | 296'-306' | | | | | EXT | - | RI |
| 11/21/95 | 307-308 | 308'-325' | | | | | EXT | - | RI |
| 11/21/95 | 307-513 | 0'-2' | | | | | EXT | - | RI |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/21/95 | 307ER4147 | 0'-17' | | | | | EXT | - | RI |
| 11/21/95 | 307NR4147 | 0'-7' | | | | | EXT | - | RI |
| 11/21/95 | 308-310 | 318'-333' | | | | | EXT | - | RI |
| 11/21/95 | 308-513 | 0'-20' | | | | | EXT | - | RI |
| 11/21/95 | 308-514 | 20'-22' | | | | | EXT | - | RI |
| 11/21/95 | 310-311 | 322'-342' | | | | | EXT | - | RI |
| 11/21/95 | 310-514 | 0'-20' | | | | | EXT | - | RI |
| 11/21/95 | 310-R4181 | 20'-22' | | | | | EXT | - | RI |
| 11/21/95 | 311-515 | 5'-22' | 1440 | 30 | 1445 | 30 | KO | P | RI |
| 11/21/95 | 311-R4181 | 0'-9' | | | | | EXT | - | RI |
| 11/21/95 | 508-509 | 73'-86' | | | | | EXT | - | RI |
| 11/21/95 | 509-510 | 11'-65' | 935 | 30 | 940 | 29 | KC | P | RI |
| 11/21/95 | 509-510 | 198'-213' | | | | | EXT | - | RI |
| 11/21/95 | 509-510 | 65'-74' | 940 | 30 | 945 | 30 | KC | P | RI |
| 11/21/95 | 509-510 | 74'-86' | | | | | EXT | - | RI |
| 11/21/95 | 509-510 | 86'-198' | 930 | 30 | 935 | 29 | KC | P | RI |
| 11/21/95 | 509R4138 | 0'-11' | | | | | EXT | - | DDW |
| 11/21/95 | 510-512 | 152'-190' | 1000 | 30 | 1005 | 29 | CS | P | RI |
| 11/21/95 | 510-512 | 62'-77' | | | | | EXT | - | RI |
| 11/21/95 | 510-512 | 77'-152' | 1006 | 30 | 1011 | 30 | CS | P | RI |
| 11/21/95 | 510-512 | 8'-62' | 950 | 30 | 955 | 29 | LK | P | RI |
| 11/21/95 | 510-R4138 | 0'-3' | | | | | EXT | - | RI |
| 11/21/95 | 510-R4147 | 0'-8' | | | | | EXT | - | RI |
| 11/21/95 | 512-307 | 7'-22' | | | | | EXT | - | RI |
| 11/21/95 | 512-513 | 0'-54' | 1050 | 30 | 1055 | 29 | LK | P | RI |
| 11/21/95 | 512-513 | 54'-69' | | | | | EXT | - | RI |
| 11/21/95 | 512-513 | 69'-181' | 1100 | 31 | 1105 | 30 | CS | P | RI |
| 11/21/95 | 512-R4147 | 0'-7' | | | | | EXT | - | RI |
| 11/21/95 | 513-514 | 0'-53' | 1315 | 30 | 1320 | 29 | KC | P | RI |
| 11/21/95 | 513-514 | 53'-67' | | | | | EXT | - | RI |
| 11/21/95 | 513-514 | 67'-179' | 1302 | 31 | 1307 | 30 | CS | P | RI |
| 11/21/95 | 514-515 | 174'-187' | | | | | EXT | - | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/21/95 | 514-515 | 187'-255' | 1430 | 30 | 1435 | 29 | KO | P | DDW |
| 11/21/95 | 514-515 | 51'-63' | | | | | EXT | - | RI |
| 11/21/95 | 514-515 | 63'-174' | 1400 | 30 | 1405 | 30 | KO | P | RI |
| 11/21/95 | 514-515 | 8'-51' | 1400 | 30 | 1405 | 29 | KC | P | RI |
| 11/21/95 | 514-516 | 255'-263' | 1435 | 30 | 1440 | 29 | KO | P | DDW |
| 11/21/95 | 514-R4181 | 0'-8' | | | | | EXT | - | RI |
| 11/21/95 | 515-516 | 0'-22' | 1500 | 30 | 1505 | 30 | CS | P | RI |
| 11/21/95 | 515-R4181 | 0'-5' | | | | | EXT | - | RI |
| 11/21/95 | 517-518 | 5'-9' | | | | | EXT | - | DDW |
| 11/22/95 | 311-313 | 337'-354' | | | | | EXT | - | RI |
| 11/22/95 | 313-314 | 354'-373' | | | | | EXT | - | RI |
| 11/22/95 | 313-517 | 0'-20' | | | | | EXT | - | RI |
| 11/22/95 | 313-R4231 | 20'-22' | | | | | EXT | - | RI |
| 11/22/95 | 314-315 | 356'-371' | | | | | EXT | - | RI |
| 11/22/95 | 314-518 | 2'-22' | | | | | EXT | - | RI |
| 11/22/95 | 314-519 | 0'-2' | | | | | EXT | - | RI |
| 11/22/95 | 314-R4231 | 373'-378' | | | | | EXT | - | RI |
| 11/22/95 | 515-517 | 169'-182' | | | | | EXT | - | RI |
| 11/22/95 | 515-517 | 182'-249' | 950 | 30 | 955 | 30 | CS | P | RI |
| 11/22/95 | 515-517 | 45'-0' | 1050 | 30 | 1055 | 29 | KC | P | RI |
| 11/22/95 | 515-517 | 45'-59' | | | | | EXT | - | RI |
| 11/22/95 | 515-517 | 59'-169' | 1055 | 30 | 1100 | 29 | KC | P | RI |
| 11/22/95 | 517-516 | 249'-259' | 952 | 30 | 957 | 30 | CS | P | RI |
| 11/22/95 | 517-518 | 167'-55' | 1125 | 30 | 1130 | 29 | KC | P | RI |
| 11/22/95 | 517-518 | 17'-9' | 1145 | 30 | 1150 | 29 | KC | P | RI |
| 11/22/95 | 517-518 | 179'-167' | | | | | EXT | - | RI |
| 11/22/95 | 517-518 | 257'-179' | 50 | 31 | 1055 | 30 | CS | P | RI |
| 11/22/95 | 517-518 | 55'-42' | | | | | EXT | - | RI |
| 11/22/95 | 517-R4231 | 0'-5' | | | | | EXT | - | RI |
| 11/22/95 | 518-517 | 42'-17' | 1140 | 30 | 1145 | 29 | KC | P | RI |
| 11/22/95 | 518-519 | 162'-97' | 1415 | 30 | 1420 | 28 | LK | P | RI |
| 11/22/95 | 518-519 | 175'-162' | | | | | EXT | - | RI |

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**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/22/95 | 518-519 | 219'-175' | 1305 | 30 | 1310 | 29 | CS | P | RI |
| 11/22/95 | 518-519 | 251'-219' | 1255 | 30 | 1300 | 30 | CS | P | RI |
| 11/22/95 | 518-519 | 39'-0' | 1330 | 30 | 1335 | 29 | KC | P | RI |
| 11/22/95 | 518-519 | 52'-39' | | | | | EXT | - | RI |
| 11/22/95 | 518-519 | 97'-52' | 1418 | 30 | 1423 | 29 | LK | P | RI |
| 11/22/95 | 518-R4231 | 0'-2' | | | | | EXT | - | RI |
| 11/27/95 | 315-316 | 360'-371' | | | | | EXT | - | RI |
| 11/27/95 | 315-519 | 2'-22' | | | | | EXT | - | RI |
| 11/27/95 | 316-317 | 368'-376' | | | | | EXT | - | RI |
| 11/27/95 | 316-522 | 0'-12' | | | | | EXT | - | RI |
| 11/27/95 | 317-323 | 374'-382' | | | | | EXT | - | RI |
| 11/27/95 | 317-522 | 0'-10' | | | | | EXT | - | RI |
| 11/27/95 | 317-R4279 | 10'-22' | | | | | EXT | - | RI |
| 11/27/95 | 323-324 | 378'-396' | | | | | | | |
| 11/27/95 | 323-521 | 11'-22' | | | | | EXT | - | RI |
| 11/27/95 | 323-523 | 0'-11' | | | | | | | |
| 11/27/95 | 323-R4279 | 382'-389' | | | | | EXT | - | RI |
| 11/27/95 | 324N-523 | 11'-22' | | | | | | | |
| 11/27/95 | 519-520 | 12'-40' | 910 | 30 | 915 | 29 | KC | P | RI |
| 11/27/95 | 519-520 | 160'-175' | | | | | EXT | - | RI |
| 11/27/95 | 519-520 | 175'-219' | 1026 | 30 | 1031 | 30 | CS | P | RI |
| 11/27/95 | 519-520 | 219'-254' | 1020 | 30 | 1025 | 29 | CS | P | RI |
| 11/27/95 | 519-520 | 40'-53' | | | | | EXT | - | RI |
| 11/27/95 | 519-520 | 53'-160 | 920 | 30 | 925 | 29 | KC | P | RI |
| 11/27/95 | 519-522 | 0'-12' | | | | | EXT | - | RI |
| 11/27/95 | 520-521 | 11'-45' | 1110 | 30 | 1115 | 29 | KC | P | RI |
| 11/27/95 | 520-521 | 164'-179' | | | | | EXT | - | RI |
| 11/27/95 | 520-521 | 179'-253' | 1050 | 30 | 1055 | 29 | CS | P | RI |
| 11/27/95 | 520-521 | 45'-65' | | | | | EXT | - | RI |
| 11/27/95 | 520-521 | 65'-164' | 1020 | 30 | 1025 | 29 | KC | P | RI |
| 11/27/95 | 521-523 | 0'-39' | 1140 | 30 | 1145 | 29 | KC | P | RI |
| 11/27/95 | 521-523 | 153'-168' | | | | | | | |

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**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/27/95 | 521-523 | 168'-240' | 1100 | 31 | 1105 | 30 | CS | P | RI |
| 11/27/95 | 521-523 | 39'-51' | | | | | | | |
| 11/27/95 | 521-523 | 51'-153' | 1130 | 30 | 1135 | 29 | KC | P | RI |
| 11/27/95 | 521-R4279 | 0'-11' | | | | | EXT | - | RI |
| 11/27/95 | 522-520 | 0'-22' | | | | | EXT | - | RI |
| 11/27/95 | 522-521 | 6'-11' | | | | | PATCH | - | RI |
| 11/27/95 | 522-R4279 | 0'-6' | | | | | EXT | - | RI |
| 11/27/95 | 523-324E | 396'-400' | | | | | | | |
| 11/27/95 | 523-524 | 0'-5' | | | | | | | |
| 11/27/95 | 523-524 | 159'-196' | 1315 | 31 | 1320 | 31 | CS | P | RI |
| 11/27/95 | 523-524 | 196'-218' | 1300 | 32 | 1305 | 30 | CS | P | RI |
| 11/27/95 | 523-524 | 46'-126' | 1514 | 30 | 1519 | 30 | SK | P | DDW |
| 11/27/95 | 524-525 | 3'-37' | 1525 | 30 | 1530 | 30 | SK | P | DDW |
| 11/27/95 | 524/R4325 | 0'-22' | 1307 | 30 | 1312 | 30 | CS | P | RI |
| 11/28/95 | 324-325 | 382'-406' | | | | | EXT | - | DDW |
| 11/28/95 | 325-326 | 391'-410' | | | | | EXT | - | DDW |
| 11/28/95 | 325-524 | 10'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 325-525 | 19'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 325R4412 | 13'-19' | | | | | EXT | - | DDW |
| 11/28/95 | 326-327 | 395'-408' | | | | | EXT | - | DDW |
| 11/28/95 | 326-525 | 9'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 326R4420 | 13'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 327-328 | 400'-410' | | | | | EXT | - | DDW |
| 11/28/95 | 327R4420 | 0'-10' | | | | | EXT | - | DDW |
| 11/28/95 | 327R4421 | 10'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 328-329 | 405'-424' | | | | | EXT | - | DDW |
| 11/28/95 | 328-531 | 12'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 328R4421 | 410'-416' | | | | | EXT | - | DDW |
| 11/28/95 | 510-512 | 190'-203' | | | | | EXT | - | DDW |
| 11/28/95 | 510-512 | 203'-242' | 0800 | 30 | 0805 | 30 | VS | P | DDW |
| 11/28/95 | 510-526 | 242'-282' | 0915 | 30 | 0920 | 30 | VS | P | DDW |
| 11/28/95 | 512-513 | 181'-193' | | | | | EXT | - | DDW |

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| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/28/95 | 512-513 | 193'-234' | 0810 | 30 | 0815 | 30 | VS | P | DDW |
| 11/28/95 | 512-526 | 0'-22' | 0905 | 30 | 0910 | 30 | VS | P | DDW |
| 11/28/95 | 513-514 | 179'-192' | | | | | EXT | - | DDW |
| 11/28/95 | 513-514 | 192'-222' | 0820 | 30 | 0825 | 30 | VS | P | DDW |
| 11/28/95 | 513-527 | 0'-22' | 0840 | 30 | 0845 | 30 | VS | P | DDW |
| 11/28/95 | 514-527 | 222'-270' | 0830 | 30 | 0835 | 30 | VS | P | DDW |
| 11/28/95 | 523-524 | 126'-133' | | | | | EXT | - | DDW |
| 11/28/95 | 523-524 | 133'-159' | | | | | EXT | - | DDW |
| 11/28/95 | 523-524 | 33'-46' | | | | | EXT | - | DDW |
| 11/28/95 | 523-524 | 5'-33' | 0805 | 32 | 0810 | 32 | AL | P | DDW |
| 11/28/95 | 523R4325 | 218'-223' | | | | | EXT | - | DDW |
| 11/28/95 | 524-324 | 0'-10' | | | | | EXT | - | DDW |
| 11/28/95 | 524-525 | 136'-145' | | | | | CAP | - | DDW |
| 11/28/95 | 524-525 | 145'-154' | | | | | EXT | - | DDW |
| 11/28/95 | 524-525 | 154'-196' | 1350 | 30 | 1355 | 30 | CS | P | DDW |
| 11/28/95 | 524-525 | 37'-51' | | | | | EXT | - | DDW |
| 11/28/95 | 524-525 | 51'-81' | 1400 | 30 | 1405 | 30 | VS | P | DDW |
| 11/28/95 | 524-525 | 81'-136' | 1415 | 30 | 1420 | 30 | VS | P | DDW |
| 11/28/95 | 524-528 | 196'-212' | | | | | EXT | - | DDW |
| 11/28/95 | 524R4412 | 0'-3' | | | | | EXT | - | DDW |
| 11/28/95 | 525-528 | 0'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 525-529 | 119'-138' | 1330 | 30 | 1335 | 30 | VS | P | DDW |
| 11/28/95 | 525-529 | 138'-148' | | | | | EXT | - | DDW |
| 11/28/95 | 525-529 | 148'-167' | | | | | CAP | - | DDW |
| 11/28/95 | 525-529 | 167'-190' | 0930 | 30 | 0935 | 29 | SH | P | DDW |
| 11/28/95 | 525-529 | 7'-119' | 1340 | 30 | 1345 | 30 | VS | P | DDW |
| 11/28/95 | 525R4412 | 0'-6' | | | | | EXT | - | DDW |
| 11/28/95 | 525R4420 | 0'-7' | | | | | EXT | - | DDW |
| 11/28/95 | 526-527 | 234'-272' | 0835 | 30 | 0840 | 30 | VS | P | DDW |
| 11/28/95 | 528-529 | 190'-201' | 0940 | 30 | 0945 | 30 | SH | P | DDW |
| 11/28/95 | 528-532 | 201'-211' | 1120 | 30 | 1125 | 30 | SH | P | DDW |
| 11/28/95 | 528R4325 | 212'-218' | | | | | EXT | - | DDW |

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**GEOMEMBRANE AIR PRESSURE TEST LOG**

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 11/28/95 | 529-530 | 0'-91' | 1130 | 30 | 1135 | 30 | SK | P | DDW |
| 11/28/95 | 529-530 | 135'-150' | | | | | EXT | - | DDW |
| 11/28/95 | 529-530 | 181'-150' | 1139 | 30 | 1144 | 30 | SH | P | DDW |
| 11/28/95 | 529-530 | 181'-194' | 1133 | 30 | 1138 | 30 | SH | P | DDW |
| 11/28/95 | 529-530 | 91'-135' | 1130 | 30 | 1136 | 29 | SK | P | DDW |
| 11/28/95 | 529-532 | 0'-22' | 1126 | 30 | 1131 | 30 | SH | P | DDW |
| 11/28/95 | 529R4420 | 0'-22' | | | | | EXT | - | DDW |
| 11/28/95 | 530-328E | 416'-423' | | | | | EXT | - | DDW |
| 11/28/95 | 530-328N | 0'-12' | | | | | EXT | - | DDW |
| 11/28/95 | 530-531 | 0'-118' | 1347 | 30 | 1352 | 29 | SK | P | DDW |
| 11/28/95 | 530-531 | 118'-131' | | | | | EXT | - | DDW |
| 11/28/95 | 530-531 | 131'-177' | 1145 | 30 | 1150 | 30 | SH | P | DDW |
| 11/28/95 | 530-534 | 0'-22' | 1545 | 30 | 1550 | 30 | CS | P | DDW |
| 11/28/95 | 530R4421 | 0'-10' | | | | | EXT | - | DDW |
| 11/28/95 | 531-533 | 0'-112' | 1437 | 30 | 1442 | 29 | SK | P | DDW |
| 11/28/95 | 531-533 | 112'-126' | | | | | EXT | - | DDW |
| 11/28/95 | 531-533 | 126'-155' | 1540 | 30 | 1545 | 30 | VS | P | DDW |
| 11/28/95 | 531-533 | 155'-175' | 1608 | 30 | 1613 | 29 | CS | P | DDW |
| 11/28/95 | 531-534 | 177'-195' | 1550 | 30 | 1555 | 30 | SH | P | DDW |
| 11/28/95 | 531-538 | 175'-190' | 1555 | 30 | 1600 | 29 | CS | P | DDW |
| 11/28/95 | 533-535 | 0'-100' | 1540 | 30 | 1545 | 30 | SK | P | DDW |
| 11/28/95 | 533-535 | 100'-113' | | | | | EXT | - | DDW |
| 11/28/95 | 533-535 | 113'-149' | 1600 | 30 | 1605 | 30 | VS | P | DDW |
| 11/28/95 | 533-538 | 0'-8' | 1602 | 30 | 1607 | 29 | CS | P | DDW |
| 11/28/95 | 535-536 | 0'-99' | 1245 | 30 | 1250 | 30 | VS | P | DDW |
| 11/28/95 | 535-536 | 114'-99' | | | | | EXT | - | DDW |
| 11/28/95 | 535-536 | 149'-114' | 1615 | 30 | 1620 | 30 | VS | P | DDW |
| 11/28/95 | R4420R'21 | 0'-6' | | | | | EXT | - | DDW |
| 12/2/95 | 329-333 | 404'-415' | | | | | EXT | - | DDW |
| 12/2/95 | 329-531E | 424'-428' | | | | | EXT | - | DDW |
| 12/2/95 | 329-531N | 0'-13' | | | | | EXT | - | DDW |
| 12/2/95 | 329-533 | 20'-22' | | | | | EXT | - | DDW |

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|---|---|---|---|---|---|---|---|---|---|
| 12/2/95 | 329-537 | 415'-428' | | | | | EXT | - | DDW |
| 12/2/95 | 329R4488 | 13'-20' | | | | | EXT | - | DDW |
| 12/2/95 | 333-334 | 364'-371' | | | | | EXT | - | DDW |
| 12/2/95 | 333-537 | 0'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 334-336 | 372'-390' | | | | | EXT | - | DDW |
| 12/2/95 | 334-537 | 371'-384' | | | | | EXT | - | DDW |
| 12/2/95 | 334R4499 | 0'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 336-337 | 291'-304' | | | | | EXT | - | DDW |
| 12/2/95 | 336-536E | 394'-400' | | | | | EXT | - | DDW |
| 12/2/95 | 336-536N | 0'-20' | | | | | EXT | - | DDW |
| 12/2/95 | 336-539E | 0'-8' | | | | | EXT | - | DDW |
| 12/2/95 | 336-539N | 0'-11' | | | | | EXT | - | DDW |
| 12/2/95 | 336R4499 | 390'-394' | | | | | EXT | - | DDW |
| 12/2/95 | 337-339 | 265'-275' | | | | | EXT | - | DDW |
| 12/2/95 | 337-539 | 0'-17' | | | | | EXT | - | DDW |
| 12/2/95 | 337R4516 | 17'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 339-340 | 244'-249' | | | | | EXT | - | DDW |
| 12/2/95 | 339-540 | 5'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 339R4516 | 275'-279' | | | | | EXT | - | DDW |
| 12/2/95 | 339R4523 | 17'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 340-343 | 207'-210' | | | | | EXT | - | DDW |
| 12/2/95 | 340-542 | 0'-18' | | | | | EXT | - | DDW |
| 12/2/95 | 340R4523 | 249'-252' | | | | | EXT | - | DDW |
| 12/2/95 | 340R4531 | 18'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 343-543 | 3'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 343R4531 | 210'-214' | | | | | EXT | - | DDW |
| 12/2/95 | 529-534 | 194'-199' | | | | | EXT | - | DDW |
| 12/2/95 | 532R4444 | 199'-208' | | | | | EXT | - | DDW |
| 12/2/95 | 533-537 | 0'-14' | | | | | EXT | - | DDW |
| 12/2/95 | 535-537 | 0'-8' | | | | | EXT | - | DDW |
| 12/2/95 | 535R4499 | 8'-22' | | | | | EXT | - | DDW |
| 12/2/95 | 536-539 | 104'-162' | 0840 | 30 | 0845 | 30 | CS | P | DDW |

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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/2/95 | 536-539 | 22'-89' | 0902 | 30 | 0904 | 29 | LK | P | DDW |
| 12/2/95 | 536-539 | 8'-22' | 0900 | 30 | 0905 | 30 | LK | P | DDW |
| 12/2/95 | 536-539 | 89'-104' | | | | | EXT | - | DDW |
| 12/2/95 | 536R4499 | 0'-8' | | | | | EXT | - | DDW |
| 12/2/95 | 537R4499 | 384'-387' | | | | | EXT | - | DDW |
| 12/2/95 | 539-540 | 112'-99' | | | | | EXT | - | DDW |
| 12/2/95 | 539-540 | 156'-112' | 1007 | 30 | 1012 | 29 | CS | P | DDW |
| 12/2/95 | 539-540 | 22'-3' | 1013 | 32 | 1018 | 31 | LK | P | DDW |
| 12/2/95 | 539-540 | 99'-22' | 1012 | 30 | 1017 | 29 | LK | P | DDW |
| 12/2/95 | 539-541 | 156'-164' | 0955 | 30 | 1000 | 30 | CS | P | DDW |
| 12/2/95 | 539R4516 | 0'-3' | | | | | EXT | - | DDW |
| 12/2/95 | 540-541 | 0'-22' | 1001 | 30 | 1006 | 29 | CS | P | DDW |
| 12/2/95 | 540-542 | 109'-147' | 1010 | 32 | 1015 | 29 | CS | P | DDW |
| 12/2/95 | 540-542 | 109'-96' | | | | | EXT | - | DDW |
| 12/2/95 | 540-542 | 3'-96' | 1055 | 30 | 1100 | 29 | LK | P | DDW |
| 12/2/95 | 540R4516 | 0'-5' | | | | | EXT | - | DDW |
| 12/2/95 | 540R4523 | 0'-3' | | | | | EXT | - | DDW |
| 12/2/95 | 541-542 | 147'-157' | 1009 | 30 | 1014 | 30 | CS | P | DDW |
| 12/2/95 | 542-543 | 107'-149' | 1040 | 33 | 1045 | 32 | CS | P | DDW |
| 12/2/95 | 542-543 | 4'-92' | 1250 | 30 | 1255 | 29 | LK | P | DDW |
| 12/2/95 | 542-543 | 92'-107' | | | | | EXT | - | DDW |
| 12/2/95 | 542R4523 | 0'-5' | | | | | EXT | - | DDW |
| 12/2/95 | 542R4531 | 0'-4' | | | | | EXT | - | DDW |
| 12/2/95 | 543-544 | 0'-6' | | | | | EXT | - | DDW |
| 12/2/95 | 543-544 | 103'-91' | | | | | EXT | - | DDW |
| 12/2/95 | 543-544 | 134'-103' | 1359 | 30 | 1404 | 30 | VS | P | DDW |
| 12/2/95 | 543-544 | 91'-6' | 1315 | 30 | 1320 | 30 | VS | P | DDW |
| 12/2/95 | 543R4531 | 0'-3' | | | | | EXT | - | DDW |
| 12/2/95 | 543R4642 | 134'-140' | | | | | CAP | - | DDW |
| 12/2/95 | 544-545 | 105'-117' | 1310 | 30 | 1315 | 30 | VS | P | DDW |
| 12/2/95 | 544-545 | 4'-93' | 1350 | 30 | 1355 | 30 | VS | P | DDW |
| 12/2/95 | 544-545 | 93'-105' | | | | | EXT | - | DDW |

EXT/CAP indicates portion of the seam that is extrusion welded or capped;
the vacuum test data is reflected in the repair summary logs.

**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/2/95 | 545-546 | 102'-126' | 1330 | 30 | 1335 | 30 | VS | P | DDW |
| 12/2/95 | 545-546 | 3'-57' | 1244 | 30 | 1249 | 28 | SK | P | DDW |
| 12/2/95 | 545-546 | 57'-99' | 1340 | 30 | 1345 | 30 | VS | P | DDW |
| 12/4/95 | 335-349 | 458'-466' | | | | | EXT | - | DDW |
| 12/4/95 | 335-548E | 400'-404' | | | | | EXT | - | DDW |
| 12/4/95 | 335-548N | 0'-7' | | | | | EXT | - | DDW |
| 12/4/95 | 335-551 | 0'-15' | | | | | EXT | - | DDW |
| 12/4/95 | 335R4609 | 392'-400' | | | | | EXT | - | DDW |
| 12/4/95 | 341-547 | 11'-12' | | | | | EXT | - | DDW |
| 12/4/95 | 341R4608 | 1'-14' | | | | | EXT | - | DDW |
| 12/4/95 | 341R4609 | 14'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 343-344 | 126'-134' | | | | | EXT | - | DDW |
| 12/4/95 | 343-544 | 19'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 344-345 | 96'-99' | | | | | EXT | - | DDW |
| 12/4/95 | 344-544 | 0'-19' | | | | | EXT | - | DDW |
| 12/4/95 | 344R4589 | 19'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 345-347 | 55'-57' | | | | | EXT | - | DDW |
| 12/4/95 | 345-546 | 0'-3' | | | | | EXT | - | DDW |
| 12/4/95 | 345R4589 | 0'-19' | | | | | EXT | - | DDW |
| 12/4/95 | 347-348 | 16'-17' | | | | | EXT | - | DDW |
| 12/4/95 | 347-546 | 0'-21' | | | | | EXT | - | DDW |
| 12/4/95 | 347-547 | 0'-1' | | | | | EXT | - | DDW |
| 12/4/95 | 348-547 | 1'-11' | | | | | EXT | - | DDW |
| 12/4/95 | 349-350 | 467'-474' | | | | | EXT | - | DDW |
| 12/4/95 | 349-551 | 15'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 349-552 | 6'-11' | | | | | EXT | - | DDW |
| 12/4/95 | 349R4662 | 11'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 350-352 | 425'-434' | | | | | EXT | - | DDW |
| 12/4/95 | 350-555 | 10'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 350-556E | 434'-453' | | | | | EXT | - | DDW |
| 12/4/95 | 350-556N | 0'-11' | | | | | EXT | - | DDW |
| 12/4/95 | 350R4662 | 474'-489' | | | | | EXT | - | DDW |

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**TOWN OF HUNTINGTON/EAST NORTHPORT LANDFILL**
**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/4/95 | 352-354 | 312'-322' | | | | | CAP | - | DDW |
| 12/4/95 | 352-556 | 0'-11' | | | | | EXT | - | DDW |
| 12/4/95 | 352-557 | 0'-9' | | | | | EXT | - | DDW |
| 12/4/95 | 354-557 | 0'-13' | | | | | EXT | - | DDW |
| 12/4/95 | 354-560 | 0'-10' | | | | | EXT | - | DDW |
| 12/4/95 | 355-560 | 0'-13' | 1615 | 32 | 1620 | 32 | SK | P | DDW |
| 12/4/95 | 355-561 | 0'-11' | 1611 | 30 | 1616 | 30 | CS | P | DDW |
| 12/4/95 | 356-561 | 0'-11' | 1610 | 30 | 1615 | 30 | CS | P | DDW |
| 12/4/95 | 356-562 | 0'-10' | 1625 | 30 | 1630 | 30 | VS | P | DDW |
| 12/4/95 | 358-563 | 0'-10' | 0905 | 32 | 0910 | 32 | SK | P | DDW |
| 12/4/95 | 359-564 | 12'-22' | 1620 | 30 | 1625 | 30 | VS | P | DDW |
| 12/4/95 | 359R4711 | 0'-12' | 1515 | 30 | 1520 | 30 | VS | P | DDW |
| 12/4/95 | 360-564 | 0'-10' | 1610 | 30 | 1615 | 30 | VS | P | DDW |
| 12/4/95 | 360-565N | 0'-11' | 1600 | 30 | 1605 | 30 | VS | P | DDW |
| 12/4/95 | 544-545 | 117'-128' | | | | | PATCH | - | DDW |
| 12/4/95 | 544-545 | 128'-129' | | | | | EXT | - | DDW |
| 12/4/95 | 544R4589 | 0'-4' | | | | | PATCH | - | DDW |
| 12/4/95 | 544R4642 | 0'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 545-546 | 126'-130' | | | | | EXT | - | DDW |
| 12/4/95 | 545-546 | 99'-102' | | | | | PATCH | - | DDW |
| 12/4/95 | 545R4589 | 0'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 545R4642 | 129'-135' | | | | | EXT | - | DDW |
| 12/4/95 | 545R4644 | 0'-13' | | | | | EXT | - | DDW |
| 12/4/95 | 546-547 | 0'-132' | 1246 | 30 | 1251 | 27 | SK | P | DDW |
| 12/4/95 | 546R4589 | 0'-3' | | | | | EXT | - | DDW |
| 12/4/95 | 546R4644 | 130'-131' | | | | | EXT | - | DDW |
| 12/4/95 | 547-548 | 0'-72' | 1140 | 30 | 1145 | 29 | SK | P | DDW |
| 12/4/95 | 547-549 | 72'-102' | 1125 | 30 | 1130 | 29 | SK | P | DDW |
| 12/4/95 | 547-550 | 102'-125' | 1248 | 30 | 1253 | 30 | SK | P | DDW |
| 12/4/95 | 547R4608 | 12'-22' | | | | | EXT | - | DDW |
| 12/4/95 | 548-549 | 0'-23' | 1126 | 30 | 1131 | 30 | SK | P | DDW |
| 12/4/95 | 548-551 | 0'-9' | | | | | EXT | - | DDW |

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**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/4/95 | 548-551 | 9'-76' | 1427 | 30 | 1432 | 29 | SK | P | DDW |
| 12/4/95 | 548R4608 | 0'-4' | | | | | EXT | - | DDW |
| 12/4/95 | 548R4609 | 4'-13' | | | | | EXT | - | DDW |
| 12/4/95 | 549-550 | 0'-24' | 1247 | 32 | 1252 | 30 | SK | P | DDW |
| 12/4/95 | 549-551 | 76'-91' | 1259 | 30 | 1304 | 28 | SK | P | DDW |
| 12/4/95 | 550-551 | 91'-116' | 1257 | 30 | 1302 | 29 | SK | P | DDW |
| 12/4/95 | 551-552 | 0'-6' | | | | | EXT | - | DDW |
| 12/4/95 | 551-552 | 6'-44' | 1424 | 32 | 1429 | 30 | SK | P | DDW |
| 12/4/95 | 551-553 | 84'-109' | 1300 | 30 | 1305 | 30 | SK | P | DDW |
| 12/4/95 | 551-554 | 44'-84' | 1303 | 30 | 1308 | 28 | SK | P | DDW |
| 12/4/95 | 552-553 | 42'-69' | 1306 | 30 | 1311 | 30 | SK | P | DDW |
| 12/4/95 | 552-554 | 0'-42' | 1305 | 30 | 1310 | 29 | SK | P | DDW |
| 12/4/95 | 552-555 | 13'-77' | 1320 | 30 | 1325 | 29 | SK | P | DDW |
| 12/4/95 | 552-555 | 77'-82' | | | | | EXT | - | DDW |
| 12/4/95 | 552-555 | 82'-112' | 1315 | 30 | 1320 | 30 | SK | P | DDW |
| 12/4/95 | 552R4662 | 0'-13' | | | | | EXT | - | DDW |
| 12/4/95 | 553-554 | 0'-14' | 1302 | 30 | 1307 | 30 | SK | P | DDW |
| 12/4/95 | 555-556 | 0'-93' | 1418 | 30 | 1423 | 28 | SK | P | DDW |
| 12/4/95 | 555R4662 | 0'-10' | | | | | EXT | - | DDW |
| 12/4/95 | 556-557 | 0'-63' | 1415 | 30 | 1420 | 28 | SK | P | DDW |
| 12/4/95 | 556-558 | 63'-102' | 1324 | 30 | 1329 | 30 | SK | P | DDW |
| 12/4/95 | 557-558 | 0'-22' | 1325 | 30 | 1330 | 30 | SK | P | DDW |
| 12/4/95 | 557-560 | 0'-58' | 1401 | 30 | 1406 | 23 | AL | P | DDW |
| 12/4/95 | 558-559 | 58'-66' | 1332 | 30 | 1337 | 30 | SK | P | DDW |
| 12/4/95 | 558-559 | 66'-83' | 1328 | 30 | 1333 | 30 | SK | P | DDW |
| 12/4/95 | 559-560 | 0'-23' | 1335 | 32 | 1340 | 31 | SK | P | DDW |
| 12/4/95 | 559-561 | 61'-84' | 1333 | 31 | 1338 | 31 | SK | P | DDW |
| 12/4/95 | 560-561 | 0'-61' | 1438 | 31 | 1443 | 29 | SK | P | DDW |
| 12/4/95 | 561-562 | 0'-79' | 1435 | 31 | 1440 | 31 | SK | P | DDW |
| 12/4/95 | 563R4711 | 10'-22' | 1500 | 30 | 1505 | 30 | VS | P | DDW |
| 12/4/95 | R4642R'44 | 135'-138' | | | | | EXT | - | DDW |
| 12/5/95 | 351-568 | 412'-438' | 1420 | 30 | 1425 | 30 | CS | P | DDW |

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**INTERIM REMEDIAL PROGRAM**
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## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/5/95 | 354-355 | 279'-289' | | | | | EXT | - | DDW |
| 12/5/95 | 355-356 | 246'-263' | | | | | EXT | - | DDW |
| 12/5/95 | 356-358 | 213'-230' | | | | | EXT | - | DDW |
| 12/5/95 | 358-359 | 178'-194' | | | | | EXT | - | DDW |
| 12/5/95 | 358-562 | 0'-5' | | | | | EXT | - | DDW |
| 12/5/95 | 358-562 | 5'-12' | | | | | PATCH | - | DDW |
| 12/5/95 | 358R4711 | 194'-199' | | | | | EXT | - | DDW |
| 12/5/95 | 359-360 | 145'-162' | | | | | EXT | - | DDW |
| 12/5/95 | 360-565E | 127'-131' | | | | | EXT | - | DDW |
| 12/5/95 | 360-568 | 115'-127' | | | | | EXT | - | DDW |
| 12/5/95 | 360R4731 | 110'-115' | | | | | EXT | - | DDW |
| 12/5/95 | 361-568 | 47'-74' | 1425 | 33 | 1430 | 32 | CS | P | DDW |
| 12/5/95 | 361R4672 | 72'-86' | | | | | EXT | - | DDW |
| 12/5/95 | 363R4731 | 0'-7' | | | | | EXT | - | DDW |
| 12/5/95 | 363R4732 | 7'-22' | | | | | EXT | - | DDW |
| 12/5/95 | 364-568 | 22'-24' | | | | | EXT | - | DDW |
| 12/5/95 | 364R4672 | 0'-19' | | | | | EXT | - | DDW |
| 12/5/95 | 364R4732 | 35'-38' | | | | | EXT | - | DDW |
| 12/5/95 | 551R4706 | 109'-117' | | | | | EXT | - | DDW |
| 12/5/95 | 553R4706 | 0'-6' | | | | | EXT | - | DDW |
| 12/5/95 | 558-559 | 83'-95' | | | | | EXT | - | DDW |
| 12/5/95 | 562-563 | 0'-68' | 0720 | 30 | 0725 | 30 | VS | P | DDW |
| 12/5/95 | 563-564 | 11'-15' | | | | | EXT | - | DDW |
| 12/5/95 | 563-564 | 15'-68' | 0710 | 30 | 0715 | 30 | VS | P | DDW |
| 12/5/95 | 563-564 | 4'-11' | 0820 | 31 | 0825 | 31 | SK | P | DDW |
| 12/5/95 | 564-565 | 0'-4' | | | | | EXT | - | DDW |
| 12/5/95 | 564-565 | 4'-62' | 0700 | 30 | 0705 | 30 | VS | P | DDW |
| 12/5/95 | 564R4711 | 0'-4' | | | | | EXT | - | DDW |
| 12/5/95 | 565-566 | 0'-51' | 1130 | 30 | 1135 | 30 | VS | P | DDW |
| 12/5/95 | 565-568 | 0'-13' | 1320 | 30 | 1325 | 30 | VS | P | DDW |
| 12/5/95 | 566-567 | 0'-29' | 1140 | 30 | 1145 | 30 | VS | P | DDW |
| 12/5/95 | 566-567 | 29'-38' | 1139 | 30 | 1144 | 30 | VS | P | DDW |

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**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/5/95 | 566-567 | 38'-44' | 1232 | 32 | 1237 | 32 | VS | P | DDW |
| 12/5/95 | 566-568 | 0'-22' | 1315 | 30 | 1320 | 30 | VS | P | DDW |
| 12/5/95 | 567-568 | 22'-39' | 1300 | 30 | 1305 | 30 | VS | P | DDW |
| 12/5/95 | 567-568 | 39'-44' | | | | | PATCH | - | DDW |
| 12/5/95 | 567-569 | 0'-35' | 1145 | 30 | 1150 | 30 | VS | P | DDW |
| 12/5/95 | 567R4757 | 35'-40' | | | | | EXT | - | DDW |
| 12/5/95 | 568-569 | 44'-48' | | | | | PATCH | - | DDW |
| 12/5/95 | 568-569 | 48'-66' | 1235 | 30 | 1240 | 30 | VS | P | DDW |
| 12/5/95 | 568-570 | 66'-76' | 1357 | 30 | 1402 | 30 | VS | P | DDW |
| 12/5/95 | 568R4672 | 24'-47' | | | | | EXT | - | DDW |
| 12/5/95 | 568R4731 | 0'-7' | | | | | EXT | - | DDW |
| 12/5/95 | 568R4732 | 7'-22' | | | | | EXT | - | DDW |
| 12/5/95 | 569-570 | 0'-21' | 1350 | 30 | 1355 | 30 | VS | P | DDW |
| 12/5/95 | 569R4757 | 0'-12' | | | | | EXT | - | DDW |
| 12/5/95 | 569R4757 | 12'-22' | | | | | PATCH | - | DDW |
| 12/6/95 | 351-361 | 401'-412' | | | | | CAP | - | DDW |
| 12/6/95 | 351-570 | 10'-13' | | | | | EXT | - | DDW |
| 12/6/95 | 351-571E | 0'-21' | | | | | EXT | - | DDW |
| 12/6/95 | 351R4804 | 0'-8' | | | | | EXT | - | DDW |
| 12/6/95 | 365-572 | 475'-480' | | | | | EXT | - | DDW |
| 12/6/95 | 365R4805 | 0'-9' | | | | | EXT | - | DDW |
| 12/6/95 | 365R4806 | 0'-8' | | | | | EXT | - | DDW |
| 12/6/95 | 395-572 | 480'-507' | | | | | EXT | - | DDW |
| 12/6/95 | 395R4796 | 507'-519' | | | | | EXT | - | DDW |
| 12/6/95 | 569R4764 | 21'-35' | | | | | EXT | - | DDW |
| 12/6/95 | 570-571 | 21'-42' | | | | | EXT | - | DDW |
| 12/6/95 | 570R4764 | 0'-6' | | | | | EXT | - | DDW |
| 12/6/95 | 570R4765 | 6'-13' | | | | | EXT | - | DDW |
| 12/6/95 | 571-572 | 0'-46' | | | | | EXT | - | DDW |
| 12/6/95 | 571R4765 | 42'-60' | | | | | EXT | - | DDW |
| 12/6/95 | 572R4796 | 0'-13' | | | | | EXT | - | DDW |
| 12/6/95 | R4757R# | 35'-41' | | | | | EXT | - | DDW |

EXT/CAP indicates portion of the seam that is extrusion welded or capped;
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**INTERIM REMEDIAL PROGRAM**
**SUFFOLK COUNTY, NEW YORK**

## GEOMEMBRANE AIR PRESSURE TEST LOG

| DATE | SEAM NUMBER | SEAM SEGMENT | START TIME | INITIAL PRESSURE (psi) | STOP TIME | FINAL PRESSURE (psi) | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|
| 12/6/95 | R4764R# | 0'-18' | | | | | EXT | - | DDW |
| 12/7/95 | 351-571N | 0'-4' | | | | | EXT | - | DDW |
| 12/7/95 | 365-571 | 461'-475' | | | | | EXT | - | DDW |
| 12/7/95 | 571R4804 | 4'-6' | | | | | EXT | - | DDW |

EXT/CAP indicates portion of the seam that is extrusion welded or capped;
the vacuum test data is reflected in the repair summary logs.

# APPENDIX U

# FIELD TENSIOMÉTER

# CALIBRATION CERTIFICATES

WEGENER NORTH AMERICA, INC.

231 Frontage Road Unit # 12, Burr Ridge, IL 60521 (708) 789-0990 TELEX 282152 FAX (708) 789-1380

**LOAD CELL CALIBRATION CERTIFICATE**
**WEGENER ULTITEST 500**
**SERIAL # 92041**

Display Instrument: Gentran GT434F Serial # 012003
Load Cell: T-Hydronics TC-S 0-500 lbs. Serial # 046643

Wegener North America, Inc. verifies the calibration of field testing equipment with a T-Hydronics TC-S 0-500 lb Load Cell serial #040540 and a T-Hydronics 1028 Transducer Indicator serial #594 manufactured by T-Hydronics, Inc. of Westerville, Ohio. The transducer was compared to standards certified traceable to the National Institute of Standards and Technology, Washington, D.C. This certification is in reference to NIST test report #38130 B. The system calibration of the calibration load cell/indicator was completed on 05/02/95 (see attached certificates).

The calibration of a WEGENER ULTITEST 500 TENSIOMETER SERIAL # 92041 was verified using the calibration load cell/indicator described above on March 1, 1996. The readings of the calibration set are recorded as "True Load". The reading of the instrument in question are recorded below as "Display Load".

| True Load (lbs) | Display Load Run #1 | Display Load Run #2 | Display Load Run #3 | Display Load Average |
|---|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50.0 | 50.1 | 50.2 | 50.1 | 50.1 |
| 100.0 | 100.1 | 100.2 | 100.1 | 100.1 |
| 150.0 | 150.1 | 150.2 | 150.1 | 150.1 |
| 200.0 | 200.1 | 200.2 | 200.1 | 200.1 |
| 250.0 | 250.1 | 250.5 | 250.2 | 250.3 |
| 300.0 | 300.2 | 300.4 | 300.2 | 300.3 |
| 350.0 | 350.2 | 350.5 | 350.3 | 350.3 |
| 400.0 | 400.2 | 400.6 | 400.3 | 400.4 |
| 450.0 | 450.2 | 450.6 | 450.2 | 450.3 |
| 500.0 | 500.1 | 500.6 | 500.2 | 500.3 |

WEGENER NORTH AMERICA, INC.

Paul G. Karschkes
Mgr Tech Services

Rec'd. April 24, 1996
Jim K

Gundle®

# SYSTEM LOAD CALIBRATION CERTIFICATE

DEVICE: GUNDLE TENSIOMETER SERIAL # OET.045

DISPLAY INSTRUMENT: OET-045

LOAD CELL:

Gundle Lining Systems, Laboratory verifies the calibration of field testing equipment with a T-Hydronics TC-S-0-5001b. load cell serial #57614 and a T-Hydronices 1028 Transducer Indicator serial #638 manufactured by T-Hydronics Inc. of Westerville, Ohio 43081. The transducer was compared to standards certified traceable to the National Institute of Standards and Technology, Washington, D.C. The most recent factory force transducer calibration for this device was 08/11/94 .

The calibration of the Gundle Tensiometer Serial # OET-045 was verified using the calibration load cell/indicator described above on 6.20.95. The readings of the calibration set are recorded as "True Load". The readings of the instrument in question are recorded below as "Display Load".

| True Load (lb.) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Display Load (Run #1) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Display Load (Run #2) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Display Load (Run #3) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Display Load (Average) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |

Thomas P. Moran For
Laboratory Manager

Technician

SYS0294

Gundle

# SYSTEM LOAD CALIBRATION CERTIFICATE

DEVICE: GUNDLE TENSIOMETER SERIAL # 92010 (026)

DISPLAY INSTRUMENT: 062294

LOAD CELL: # 040471

Gundle Lining Systems, Laboratory verifies the calibration of field testing equipment with a T-Hydronics TC-S-0-5001b. load cell serial #57614 and a T-Hydronices 1028 Transducer Indicator serial #638 manufactured by T-Hydronics Inc. of Westerville, Ohio 43081. The transducer was compared to standards certified traceable to the National Institute of Standards and Technology, Washington, D.C. The most recent factory force transducer calibration for this device was 08/11/94 .

The calibration of the Gundle Tensiometer Serial # 92010 (026) was verified using the calibration load cell/indicator described above on 01-09-95. The readings of the calibration set are recorded as "True Load". The readings of the instrument in question are recorded below as "Display Load".

| True Load (lb.) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Display Load (Run #1) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Display Load (Run #2) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Display Load (Run #3) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| Display Load (Average) | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |

Thomas P. Moran
Laboratory Manager

Technician

SYS0294

# APPENDIX V

# FIELD DESTRUCTIVE TEST LOG

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 27 day April month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: 20PPI FOR PEEL & 30 PPI SHEAR - FTR ~~FTB~~ (≥10% PEEL)

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| 1 | P1/P2 | 1154 | TT | 26/4 | 59 | 60 | 59 | P | GD | 28/4 | 60.9 | 62.1 | 75.8 | P | - | MJ |
| | | | | | 62 | 61 | | P | GD | | | | | | | |
| 2 | P5/P6 | 1154 | TT | 26/4 | 61 | 59 | 58 | P | GD | 28/4 | 57.8 | 59.1 | 73.7 | P | - | MJ |
| | | | | | 57 | 56 | | P | GD | | | | | | | |
| 3 | P9/P10 - 42 | 1154 | TT | 4/5 | 47 | 46 | 56 | P | GD | 5/5 | 60.7 | 62.5 | 75.1 | F | | MJ |
| | | | | | 56 | 55 | | P | GD | | | | | | | |
| 4 | P2/P14 | 1310 | TT | 8/5 | 54 | 57 | 59 | P | MJ | 10/5 | 58.1 | 61.5 | 78.9 | P | P | |
| | | | | | 59 | 64 | | | | | | | | | | |
| 5 | P3/P10 | 291 | TT | 8/5 | 55 | 54 | 58 | P | MJ | 10/5 | | 58.5 (EXT.) | 74.0 | P | | |
| | | | | | 54 | | | | | | | | | | | |

(15)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 9 day 5 month 95 year

CONTRACTOR: Gundle TEST REQUIREMENTS: as specified FAB 20 PPI FOR PEEL & 30 PPI FOR SHEAR (≤ 10% PEEL)

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| 3A | 9/10 - 56' | 1154 | TT | 9/5 | 59 | 60 | 62 | P | MJ | 10/5 | 63.2 | 67.9 | 78.3 | P | | |
| | | | | | 61 | 62 | 58 | | | | | | | | | |
| | | | | | 61 | 62 | | | | | | | | | | |
| 3B | 9/10 - 28' | 1154 | TT | 9/5 | 59 | 57 | 60 | P | MJ | 10/5 | 64.9 | 56.1 | 74.7 | P | | |
| | | | | | 54 | 54 | 61 | | | | | | | | | |
| | | | | | 60 | 59 | Smear | | | | | | | | | |
| 6 | 2/14 R85P | 281 | YS | 9/5 | 54 | 51 | 57 | P | MJ | 10/5 | 87.0 | (EXT.) | 76.7 | P | | |
| | | | | | 59 | | 61 | | | | | | | | | |
| 7 | 11/12 - 19' | 1154 | TT | 9/5 | 51 | 54 | 50 | P | MJ | 10/5 | 62.4 | 62.8 | 76.6 | P | | |
| | | | | | 54 | 53 | 50 | | | | | | | | | |
| | | | | | 57 | 57 | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | | |

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TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 9 day June month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: FTB – 20 ppi for peel + 30 ppi for shear

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI)/(PSI) INSIDE | AVG PEEL (PPI)/(PSI) OUTSIDE | AVG SHEAR (PPI)/(PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI)/(PSI) INSIDE | AVG PEEL (PPI)/(PSI) OUTSIDE | AVG SHEAR (PPI)/(PSI) | PASS/ FAIL | RE-TEST | QA ID |
| 8 | 19/20-83' | 1320 | TT | 8/6 | 48 | 50 | 51 | P | GD | 12/6 | 59 | 64 | 66 | P | | GD |
| | | | | | 49 | 49 | 53 | P | GD | | 57 | 64 | 64 | P | | GD |
| | | | | | 53 | 50 | | P | GD | | 69 | 62 | 69 | P | | GD |
| | | | | | | | | | | | 60 | 60 | 60 | P | | GD |
| | | | | | | | | | | | 64 | 62 | 64 | P | | GD |
| 9 | 21/22-16' | 1310 | TT | 14/6 | 53 | 54 | 54 | P | DW | 23/6 | 60 | 56 | 67 | P | | GD |
| | | | | | 54 | 53 | 54 | P | DW | | 59 | 58 | 67 | P | | GD |
| | | | | | | | | | | | 61 | 60 | 72 | P | | GD |
| | | | | | | | | | | | 57 | 61 | 70 | P | | GD |
| | | | | | | | | | | | 56 | 60 | 69 | P | | GD |
| 10 | P23/24-430' | 1154 | h.o. | 14/6 | 52 | 58 | 53 | P | DW | 23/6 | 53 | 60 | 66 | P | | GD |
| | | | | | 51 | 54 | 52 | P | DW | | 51 | 57 | 63 | P | | GD |
| | | | | | | | | | | | 46 | 62 | 64 | P | | GD |
| | | | | | | | | | | | 53 | 72 | 66 | P | | GD |
| (15) | | | | | | | | | | | 49 | 50 | 64 | P | | GD |

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## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 19 day June month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS:

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐ 20 ppi Peel & 30 ppi Shear (≤10 Peel)

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI) PSI) INSIDE | AVG PEEL (PPI) PSI) OUTSIDE | AVG SHEAR (PPI) PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI) PSI) INSIDE | AVG PEEL (PPI) PSI) OUTSIDE | AVG SHEAR (PPI) PSI) | PASS/ FAIL | RE-TEST | QA ID |
| 11 | P 24/25-287' | | K.O | 19/6 | 47 | 55 | 49 | P | GD | 23/6 | 55 | 51 | 69 | P | | GD |
| | | | | | 46 | 47 | 48 | P | GD | | 64 | 53 | 70 | P | | GD |
| | | | | | 47 | 47 | | P | GD | | 59 | 50 | 70 | P | | GD |
| | | | | | | | | | | | 57 | 50 | 64 | P | | GD |
| | | | | | | | | | | | 67 | 62 | 68 | P | | GD |
| 12 | P26/27-228' | 1154 | KO | 21/6 | 62 | 64 | 68 | P | GD | 23/6 | 61 | 60 | 61 | P | | GD |
| | | | | | 63 | 66 | 71 | P | GD | | 62 | 62 | 62 | P | | GD |
| | | | | | 62 | 64 | | P | GD | | 59 | 59 | 59 | P | | GD |
| | | | | | | | | | | | 57 | 61 | 57 | P | | GD |
| | | | | | | | | | | | 67 | 57 | 67 | P | | GD |
| 13 | P25/26-105' | 1310 | TT | 21/6 | 60 | 64 | 69 | P | GD | 23/6 | 61 | 60 | 65 | P | | GD |
| | | | | | 62 | 65 | 68 | P | GD | | 63 | 52 | 72 | P | | GD |
| | | | | | 63 | 205 | | P | GD | | 60 | 57 | 72 | P | | GD |
| | | | | | | | | | | | 60 | 60 | 72 | P | | GD |
| (15) | | | | | | | | | | | 61 | 59 | 69 | P | | GD |

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PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 21 day June month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS:

PRIMARY: ☑ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☐ 20 ppi Peel + 30 ppi Shear (≤ 10% Peel)

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| 14 | P 27/28-48' | 1310 | TT | 21/Lo | 65 | 65 | 62 | P | GD | 23/Lo | 71 | 65 | 74 | P | | GD |
| | | | | | 63 | 64 | 68 | P | GD | | 67 | 62 | 67 | P | | GD |
| | | | | | 67 | 65 | | P | GD | | 68 | 63 | 67 | P | | GD |
| | | | | | | | | | | | 67 | 56 | 71 | P | | GD |
| | | | | | | | | | | | 62 | 66 | 67 | P | | GD |
| 15 | P 24/25-377 | 291 | KC | 19/Lo | 48 | — | 55 | P | GD | 23/Lo | 81 | — | 96 | P | | GD |
| | | | | | 47 | — | 51 | P | GD | | 72 | — | 90 | P | | GD |
| | | | | | 50 | — | | P | GD | | 74 | — | 91 | P | | GD |
| | | | | | | | | | | | 79 | — | 71 | P | | GD |
| | | | | | | | | | | | 76 | — | 70 | P | | GD |
| 16 | P 35/36-211' | 1310 | T.T. | 27/Lo | 61 | 60 | 63 | P | GD | 7-13-95 | 61.4 | 59.1 | 69.8 | P | | JK |
| | | | | | 65 | 64 | 65 | P | GD | " | - | - | - | P | | JK |
| | | | | | 62 | 63 | | P | GD | " | - | - | - | P | | JK |
| | | | | | | | | | | " | - | - | - | P | | JK |
| (15) | | | | | | | | | | " | - | - | - | P | | JK |

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## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 6 day 30 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: PEEL = 20 - SHEAR = 30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 Mil. L.O.P.E. CAP.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #17. | 36/37 - 233' | 1154 | K.C. | 6-30-95 | 58 | 68 | 76 | P. - | J.K. | 7-7 | 63.4 | 58.2 | 75.5 | P. - | - | J.K. |
| " | " " | " | " | " | 61 | 45 | 72 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #18. | 38/39 - 153' | 1154 | K.C. | 6-30-95 | 64 | 73 | 79 | P. - | J.K. | 7-7 | 64.7 | 67.4 | 79 | P. - | - | J.K. |
| " | " " | " | " | " | 68 | 71 | 73 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #19. | 41/42 - 65' | 1062 | T.T. | 6-30-95 | 69 | 69 | 73 | P. - | J.K. | 7-7 | 67.8 | 64.5 | 85.1 | P. - | - | J.K. |
| " | " " | " | " | " | 69 | 65 | 79 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #20. | 44/46 - 8' | 1136 | Chris | 7-3-95 | 69 | 65 | 79 | P. - | J.K. | 7-7 | 65.7 | 64.2 | 86.2 | P. - | - | J.K. |
| " | " " | " | " | " | 66 | 76 | 75 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #21 | 40/50 - 165' | 1062 | T.T. | 7-3-95 | 69 | 66 | 76 | P. - | J.K. | 7-7 | 59.3 | 68.6 | 75 | P. - | - | J.K. |
| " | " " | " | " | " | 71 | 67 | 71 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #22. | 50/53 - 99' | 1062 | T.T. | 7-3-95 | 68 | 67 | 75 | P. - | J.K. | 7-7 | 70.1 | 72.1 | 78.6 | P. - | - | J.K. |
| " | " " | " | " | " | 63 | 70 | 77 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #23. | 54/56 - 46' | 1154 | Chris | 7-3-95 | 70 | 70 | 85 | P. - | J.K. | 7-7 | 69.4 | 67.9 | 81 | P. - | - | J.K. |
| " | " " | " | " | " | 66 | 71 | 84 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| (15) | No FURTHER ENTRIES THIS PAGE | | | | - | - | | - - | J.K. | - | - | - | - | - - | - | J.K. |

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## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 7 day 3 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: PEEL = 20# - SHEAR = 30#

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 MIL L.D.P.E.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #24. | 55/57 - 204' | 1062 | T.T. | 7-3-95 | 55 | 55 | 57 | P. - | J.K. | 7-7 | 72.9 | 67.2 | 74.5 | P. - | - | J.K. |
| " | " | " | " | " | 56 | 57 | 56 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #25. | 59/63 - 122' | 1062 | T.T. | 7-5-95 | 57 | 57 | 69 | P. - | J.K. | 7-7 | 67.2 | 69.7 | 78.5 | P. - | - | J.K. |
| " | " | " | " | " | 63 | 60 | 76 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #26. | 60/62 - 22' | 1062 | T.T. | 7-5-95 | 66 | 65 | 72 | P. - | J.K. | 7-7 | 72.7 | 69 | 76.7 | P. - | - | J.K. |
| " | " | " | " | " | 63 | 58 | 82 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #27. | 67/68 - 56' | 206 | Chris | 7-7-95 | 64 | 64 | 72 | P. - | J.K. | 7-11 | 68.8 | 62.3 | 80.4 | P. - | - | J.K. |
| " | " | " | " | " | 66 | 61 | 72 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #28. | 68/69 - 121' | 1062 | T.T. | 7-7-95 | 61 | 56 | 72 | P. - | J.K. | 7-11 | 67.9 | 62.1 | 83.5 | P. - | - | J.K. |
| " | " | " | " | " | 62 | 69 | 70 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #29. | 70/71 - 322' | 1062 | T.T. | 7-7-95 | 61 | 68 | 70 | P. - | J.K. | 7-11 | 63.7 | 62.3 | 77.7 | P. - | - | J.K. |
| " | " | " | " | " | 69 | 68 | 71 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #30 | 72/73 - 360' | 1062 | T.T. | 7-7-95 | 63 | 64 | 69 | P. - | J.K. | 7-11 | 70.3 | 57.2 | 79.3 | P. - | - | J.K. |
| " | " | " | " | " | 61 | 62 | 71 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| (15) — | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | — |

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TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

CONTRACTOR: GUNDLE. TEST REQUIREMENTS: PEEL #20 - SHEAR = #30

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 7 day 7 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 MIL. (TEX.) L.O.P.E.

DISTRIBUTION: LABORATORY: ☒ ARCHIVE: ☒ INSTALLER: ☒ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #31 | 68/33 - 404' | 1062 | T.T. | 7-7-95 | 51 | 50 | 58 | P - | J.K. | 7-11 | 60.8 | 58.6 | 72.2 | P - | - | J.K. |
| " | " | " | " | " | 54 | 52 | 53 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #32 | 74/75 - 21' | 1062 | T.T. | 7-7-95 | 56 | 57 | 66 | P - | J.K. | 7-11 | 68.1 | 68.6 | 76.9 | P - | - | J.K. |
| " | " | " | " | " | 57 | 58 | 63 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| EXT. #33 | 81/SKIRT: 7' E. OF 81-82 | G-281 | K.C. | 7-10-95 | 56 | 53 | 58 | P - | J.K. | 7-12 | 91.3 | - | 96 | P - | - | J.K. |
| " | " | " | " | " | 51 | - | 57 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #34 | 83/84 - 402' | 1154 | K.O | 7-13-95 | 56 | 53 | 66 | P - | J.K. | 7-18 | 57.1 | 61.6 | 78.3 | P - | - | J.K. |
| " | " | " | " | " | 54 | 53 | 65 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #35 | 29/83 - 37' | 1062 | T.T. | 7-13-95 | 56 | 54 | 62 | P - | J.K. | 7-18 | 56.9 | 55.5 | 78.1 | P - | - | J.K. |
| " | " | " | " | " | 59 | 56 | 64 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #36 | 84/85 - 278' | 1154 | K.O | 7-15-95 | 54 | 53 | 62 | P | J.K. | 7-18 | 59.6 | 64.3 | 80.6 | P - | - | J.K. |
| " | " | " | " | " | 55 | 54 | 64 | P | J.K. | " | - | - | - | P - | - | J.K. |
| #37 | 85/86 - 196' | 1062 | T.T. | 7-15-95 | 57 | 52 | 63 | P | J.K. | 7-18 | 58.9 | 64.3 | 72.3 | P - | - | J.K. |
| " | " | " | " | " | 57 | 50 | 63 | P | J.K. | " | - | - | - | P - | - | J.K. |
| (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

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## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 7 day 15 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Peel = 20 - Shear = 30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

DISTRIBUTION: LABORATORY: ☒ ARCHIVE: ☒ INSTALLER: ☒ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #38. | 86/88-8' | 1062 | T.T. | 7-15-95 | 59 | 55 | 62 | P. - | J.K. | 7-18 | 63.9 | 61.4 | 80.2 | P. - | - | J.K. |
| " | " | " | " | " | 58 | 57 | 64 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #39 | 88/89-128' | 1062 | T.T. | 7-19-95 | 57 | 54 | 63 | P. - | J.K. | 7-27 | 67.4 | 68.2 | 76.3 | P. - | - | J.K. |
| " | " | " | " | " | 55 | 58 | 63 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #40. | 89/91-240' | 1154 | K.O | 7-19-95 | 58 | 55 | 63 | P. - | J.K. | 7-27 | 64. | 66.5 | 73.9 | P. - | - | J.K. |
| " | " | " | " | " | 54 | 54 | 62 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #41. | 93/94-72' | 1062 | T.T. | 7-19-95 | 56 | 55 | 65 | P. - | J.K. | 7-27 | 64.6 | 65.8 | 75.5 | P. - | - | J.K. |
| " | " | " | " | " | 52 | 59 | 63 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #42 | CAP/25-399' | 1305 | Chris | 7-24-95 | 57 | 54 | 64 | P. - | J.K. | 7-27 | 61.8 | 64.6 | 82.9 | P. - | - | J.K. |
| " | " | " | " | " | 56 | 59 | 60 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #43. | 95/100-34' | 1032 | C.S | 7-27-95 | 61 | 66 | 69 | P. - | J.K. | 7-31 | 62.3 | 60.9 | 77.7 | P. | - | J.K. |
| " | " | " | " | " | 59 | 58 | 67 | P. - | J.K. | " | - | - | - | P. | - | J.K. |
| #44. | 95/96-128" | 1032 | C.S | 7-27-95 | 60 | 54 | 68 | P. - | J.K. | 7-31 | 60.8 | 64.6 | 74.6 | P. | - | J.K. |
| " | " | " | " | " | 62 | 56 | 71 | P. - | J.K. | " | - | - | - | P. | - | J.K. |
| (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 7 day 28 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: PEEL = #20 - SHEAR = #30.

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 MIL. TEX. L.O.P.E. CAP.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| | SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| | #45 | 86/109 - 418' | 1032 | CS | 7-28-95 | 60 | 54 | 59 | P - | J.K. | 7-31 | 57.2 | 56.6 | 75.4 | - F | Peels | J.K. |
| | " | " | " | " | " | 61 | 71 | 65. | P - | J.K. | " | - | - | - | - F | " | J.K. |
| | #46 | 106/107 - 243' | 1032 | CS | 7-28-95 | 67 | 64 | 72 | P - | J.K. | 7-31 | 64.1 | 67.3 | 77.6 | P - | - | J.K. |
| | " | " | " | " | " | 61 | 60 | 70 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #47 | 103/104 - 28' | 1113 | TT | 7-28-95 | 64 | 65 | 68 | P - | J.K. | 7-31 | 59.4 | 65.4 | 76.2 | - F | Peels | J.K. |
| | " | " | " | " | " | 66 | 66 | 67 | P - | J.K. | " | - | - | - | - F | " | J.K. |
| Ext. | #48 | 110/111 - 458' | G-205 | Chris | 7-29-95 | 56 | - | 62 | P - | J.K. | 8-1-95 | 72 | - | 74.7 | P - | - | J.K. |
| | " | " | " | " | " | 57 | - | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #49 | 117/118 - 353' | 1032 | C.S. | 7-31-95 | 61 | 60 | 68 | P - | J.K. | 8-1-95 | 64.6 | 65.5 | 76.9 | P - | - | J.K. |
| | " | " | " | " | " | 64 | 59 | 69 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #50 | 116/117 - 253' | 1032 | C.S. | 7-31-95 | 57 | 60 | 67 | P - | J.K. | 8-1-95 | 64.8 | 67.6 | 79.1 | P - | - | J.K. |
| | " | " | " | " | " | 59 | 61 | 68 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #51 | 115/116 - 128' | 1113 | TT | 7-31-95 | 59 | 56 | 64 | P - | J.K. | 8-1-95 | 59.7 | 69.5 | 72.7 | P - | - | J.K. |
| | " | " | " | " | " | 58 | 58 | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

GeoSyntec Consultants

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 7 day 31 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Peel = #20 - Shear = #30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

DISTRIBUTION: LABORATORY: ☒ ARCHIVE: ☒ INSTALLER: ☒ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #52 | 109/115 - 21' | 1113 | T.T. | 7-31-95 | 60 | 59 | 66 | P | J.K. | 8-1-95 | 59.8 | 65.1 | 74.1 | P | - | J.K. |
| " | " | " | " | " | 58 | 58 | 65 | P | J.K. | " | - | - | - | P | - | J.K. |
| #53 | 119/122 - 53' | 1113 | T.T. | 8-1-95 | 61 | 64 | 69 | P | J.K. | 8-3-95 | 65.2 | 69.8 | 75.8 | P | - | J.K. |
| " | " | " | " | " | 59 | 65 | 67 | P | J.K. | " | - | - | - | P | - | J.K. |
| #54 | 118/119 - 152' | 1032 | C.S. | 8-1-95 | 59 | 58 | 61 | P | J.K. | 8-3-95 | 67.9 | 69.8 | 81.7 | P | - | J.K. |
| " | " | " | " | " | 58 | 58 | 65 | P | J.K. | " | - | - | - | P | - | J.K. |
| #55 | 121/122 - 204' | 1032 | C.S. | 8-1-95 | 55 | 60 | 63 | P | J.K. | 8-3-95 | 63.1 | 67.3 | 72.8 | P | - | J.K. |
| " | " | " | " | " | 59 | 57 | 60 | P | J.K. | " | - | - | - | P | - | J.K. |
| #56 | 120/121 - 304' | 1032 | C.S. | 8-1-95 | Peels | - | - | F | J.K. | Not | Sent. | - | - | - | - | J.K. |
| " | " | " | " | " | " | " | - | F | J.K. | " | " | - | - | - | - | J.K. |
| #47A | 103/104 - 42' | 1113 | T.T. | 8-1-95 | 59 | 57 | 67 | P | J.K. | 8-3-95 | 61.7 | 63.9 | 74. | P | - | J.K. |
| " | " | " | " | " | 60 | 64 | 68 | P | J.K. | " | - | - | - | P | - | J.K. |
| #47B | 103/104 - 7' | 1113 | T.T. | 8-1-95 | 58 | 57 | 65 | P | J.K. | 8-9-95 | 63.7 | 65.8 | 79.1 | P | - | J.K. |
| " | " | " | " | " | 59 | 56 | 66 | P | J.K. | " | - | - | - | P | - | J.K. |
| (15) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 1 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: PEEL = #20 - SHEAR = #30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☑ 40 Mil Tex. L.O.P.E. CAP.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #45A. | 109/115 - 269' | 1032 | C.S. | 8-1-95 | 57 | 58 | 64 | P - | J.K. | 8-3-95 | 66 | 69.9 | 76.9 | P - | - | J.K. |
| " | " | " | " | " | 58 | 65 | 65 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #45B. | 107/109 - 297' | 1032 | C.S. | 8-2-95 | 59 | 58 | 59 | P - | J.K. | 8-4-95 | 57.7 | 62.8 | 76 | - F. | Peels | J.K. |
| " | " | " | " | " | 58 | 53 | 59 | P - | J.K. | " | - | - | - | - F. | " | J.K. |
| 56A. | 121/122 - 135' | 1032 | C.S. | 8-2-95 | 63 | 60 | 59 | P - | J.K. | 8-4-95 | 62.6 | 66.9 | 73.2 | P - | - | J.K. |
| " | " | " | " | " | 59 | 61 | 62 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| 56B. | 120/121 - 165' | 1032 | C.S. | 8-2-95 | 60 | 58 | 62 | P - | J.K. | 8-4-95 | 55.8 | 60.9 | 76.3 | - F. | Peels | J.K. |
| " | " | " | " | " | 62 | 57 | 67 | P - | J.K. | " | - | - | - | - F. | " | J.K. |
| #57 | 126/127 - 125' | 1032 | C.S. | 8-2-95 | 61 | 56 | 61 | P - | J.K. | 8-4-95 | 67.7 | 67 | 80.8 | P - | - | J.K. |
| " | " | " | " | " | 63 | 55 | 65 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #58 | 120/131 - 50' | 1032 | C.S. | 8-2-95 | 56 | 58 | 62 | P - | J.K. | 8-4-95 | 64.0 | 66.2 | 76.8 | P - | - | J.K. |
| " | " | " | " | " | 59 | 61 | 63 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #59 | 131/132 - 295' | 1032 | C.S. | 8-3-95 | 60 | 62 | 67 | P - | J.K. | 8-4-95 | 67.8 | 66.8 | 73.8 | P - | - | J.K. |
| " | " | " | " | " | 62 | 61 | 65 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

NOTE: D/S #45B ISOLATES AT PASSING D/S #46. J.K.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 3 month 1995 year

CONTRACTOR: Gundle TEST REQUIREMENTS: Peel = #20 Shear = #30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☑ 40 Mil Tex. L.O.P.E. CAP

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| | SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| | #60 | 133/136-78' | 1113 | T.T. | 8-3-95 | 64 | 62 | 60 | P - | J.K. | 8-4-95 | 65.7 | 69 | 70.6 | P - | - | J.K. |
| | " | " | " | " | " | 62 | 61 | 62 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| EXT. | #61 | CAP/86-382' | G-133 | K.O. | 8-3-95 | 59 | - | 59 | P - | J.K. | 8-4-95 | 64.7 | - | 74.9 | P - | - | J.K. |
| | " | " | " | " | " | 58 | - | 59 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| EXT. | #62 | 94/144-6' N. OF 93-94 | G-274 | K.C. | 8-3-95 | 60 | - | 62 | P - | J.K. | 8-9-95 | 69.8 | - | 82.5 | P - | - | J.K. |
| | " | " | " | " | " | 57 | - | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #63 | 141/142-286' | 1032 | C.S. | 8-4-95 | 58 | 62 | 63 | P - | J.K. | 8-9-95 | 58.1 | 60.8 | 67.41 | P - | - | J.K. |
| | " | " | " | " | " | 56 | 62 | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #64 | 140/141-196' | 1032 | C.S. | 8-4-95 | 59 | 56 | 62 | P - | J.K. | 8-9-95 | 60.3 | 63.3 | 67.9 | P - | - | J.K. |
| | " | " | " | " | " | 58 | 55 | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #65 | 132/139-53' | 1113 | T.T. | 8-4-95 | 62 | 60 | 64 | P - | J.K. | 8-9-95 | 68.2 | 66.3 | 76 | P - | - | J.K. |
| | " | " | " | " | " | 62 | 61 | 63 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | #66 | 143/147-269' | 1032 | C.S. | 8-7-95 | 55 | 59 | 62 | P - | J.K. | 8-9-95 | 60.2 | 62.7 | 68 | P - | - | J.K. |
| | " | " | " | " | " | 57 | 63 | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 7 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: PEEL = #20 - SHEAR = #30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☑ 40 MIL. TEX. L.D.P.E. CAP.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #67. | 148/149 - 194' | 1032 | C.S. | 8-7-95 | 59 | 58 | 60 | P - | J.K. | 8-9-95 | 57.7 | 63.9 | 72 | P - | - | J.K. |
| " | " | " | " | " | 57 | 56 | 64 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #68. | 150/151 - 46' | 1113 | T.T. | 8-7-95 | 58 | 58 | 60 | P - | J.K. | 8-9-95 | 61.5 | 69.6 | 72.1 | P - | - | J.K. |
| " | " | " | " | " | 60 | 59 | 62 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #56B1 | 118/119 - 324' | 1032 | C.S. | 8-7-95 | 67 | 69 | 68 | P - | J.K. | 8-9-95 | 68.6 | 68.3 | 81.9 | P - | - | J.K. |
| " | " | " | " | " | 65 | 66 | 66 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #69. | 153/154 - 278' | 1205 | K.O | 8-8-95 | 52 | 52 | 51 | P - | J.K. | 8-10-95 | 58.8 | 60.1 | 69 | P - | - | J.K. |
| " | " | " | " | " | 51 | 49 | 53 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #70. | 155/156 - 196' | 1205 | K.O | 8-8-95 | 54 | 52 | 52 | P - | J.K. | 8-10-95 | 60.4 | 64.1 | 66.3 | P - | - | J.K. |
| " | " | " | " | " | 50 | 52 | 51 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #71. | 157/158 - 57 | 1113 | T.T. | 8-8-95 | 51 | 52 | 51 | P - | J.K. | 8-10-95 | 60.4 | 63.1 | 64.6 | P - | - | J.K. |
| " | " | " | " | " | 51 | 51 | 51 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #72' | 158/159 - 222' | 1205 | K.O | 8-8-95 | 59 | 57 | 60 | P - | J.K. | 8-11-95 | 59.5 | 67.4 | 65.9 | P - | - | J.K. |
| " | " | " | " | " | 58 | 57 | 62 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

GeoSyntec Consultants

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 8 day 9 month 1995 year

CONTRACTOR: Gundle — TEST REQUIREMENTS: Peel = #20 - Shear = #30.

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☑ 40 Mil. Tex. L.D.P.E. Cap.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #73. | 160/161 - 144' | 1205 | K.O. | 8-9-95 | 60 | 61 | 64 | P. - | J.K. | 8-11-95 | 60.4 | 70.2 | 75.2 | P. - | - | J.K. |
| " | " | " | " | " | 62 | 59 | 65 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #74. | 161/162 - 21' | 1113 | J.T. | 8-9-95 | 60 | 62 | 65 | P. - | J.K. | 8-11-95 | 64.6 | 62.4 | 77.4 | P. - | - | J.K. |
| " | " | " | " | " | 64 | 60 | 61 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #75. | 27R/CAP - 224' | 1357 | B.S. | 8-10-95 | 55 | 53 | 56 | P. - | J.K. | 8-11-95 | 59.7 | 59.1 | 70.4 | P. - | - | J.K. |
| " | " | " | " | " | 52 | 51 | 59 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #76. | 23R/24R - 233' | 1357 | B.S. | 8-10-95 | 51 | 51 | 49 | P. - | J.K. | 8-11-95 | 62.4 | 64.2 | 69.8 | P. - | - | J.K. |
| " | " | " | " | " | 50 | 49 | 51 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #77. | 25R/CAP - 197' | 1357 | B.S. | 8-10-95 | 53 | 56 | 55 | P. - | J.K. | 8-11-95 | 69.1 | 61.8 | 78.6 | P. - | - | J.K. |
| " | " | " | " | " | 58 | 54 | 50 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #78. | 21R/22R - 231' | 1357 | B.S. | 8-10-95 | 56 | 53 | 60 | P. - | J.K. | 8-11-95 | 57.7 | 63.2 | 70.4 | P. - | - | J.K. |
| " | " | " | " | " | 55 | 56 | 63 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| #79. | 162/163 - 294' | 1205 | K.O. | 8-11-95 | 58 | 57 | 62 | P. - | J.K. | 8-14-95 | 63.2 | 63 | 68 | P. - | - | J.K. |
| " | " | " | " | " | 57 | 52 | 61 | P. - | J.K. | " | - | - | - | P. - | - | J.K. |
| (15) - | - | - | - | - | - | - | - | - - | - | - | - | - | - | - - | - | - |

GeoSyntec Consultants

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 8 day 11 month 1995 year

CONTRACTOR: GUNDLE — TEST REQUIREMENTS: PEEL = #20 - SHEAR = #30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☑ 40 Mil. Tex. L.D.P.E. CAP.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI)/PSI) INSIDE | AVG PEEL (PPI)/PSI) OUTSIDE | AVG SHEAR (PPI)/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #80. | 164/165 - 195' | 1205 | K.O | 8-11-95 | 60 | 63 | 65 | P - | J.K. | 8-14-95 | 65 | 67.2 | 71.1 | P - | - | J.K. |
| " | " | " | " | " | 61 | 60 | 62 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #81. | 165/166 - 47' | 1205 | K.O. | 8-11-95 | 58 | 55 | 60 | P - | J.K. | 8-14-95 | 66.8 | 59.8 | 72.1 | P - | - | J.K. |
| " | " | " | " | " | 59 | 58 | 64 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #82. | 167/168 - 117' | 1113 | T.T. | 8-11-95 | 56 | 55 | 60 | P - | J.K. | 8-14-95 | 62.4 | 61.6 | 66. | P - | - | J.K. |
| " | " | " | " | " | 58 | 53 | 59 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #83 | 169/170 - 3' | 295 | T.T | 8-14-95 | 59 | 57 | 58 | P - | J.K. | 8-16-95 | 58.2 | 56.2 | 74.7 | P - | - | J.K. |
| " | " | " | " | " | 55 | 56 | 57 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #84. | 170/171 - 104' | 295 | TT | 8-14-95 | 56 | 54 | 60 | P - | J.K. | 8-16-95 | 59.7 | 61.4 | 63.5 | P - | - | J.K. |
| " | " | " | " | " | 55 | 54 | 61 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #85. | 171/172 - 229' | 1205 | K.O | 8-14-95 | 56 | 59 | 60 | P - | J.K. | 8-16-95 | 64.1 | 61.5 | 73.9 | P - | - | J.K. |
| " | " | " | " | " | 61 | 61 | 60 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #86 | 172/173 - 46' | 295 | T.T. | ↑ | 60 | 59 | 58 | P - | J.K. | 8-17-95 | 67.2 | 63.2 | 73.7 | P - | - | J.K. |
| " | " | " | " | 8-14-95 | 65 | 62 | 59 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| (15) — | — | — | — | — | - | - | - | - - | - | — | - | - | - | - - | - | - |

GeoSyntec Consultants

TOWN OF HUNTINGTON

## DESTRUCTIVE TEST LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 15 month 1995 year

CONTRACTOR: GUNDLE TEST REQUIREMENTS: Peel = #20 - Shear = #30

PRIMARY: ☐ SECONDARY: ☐ RE-TEST: ☐ OTHER: ☑ 40 Mil. Tex. L.D.P.E. CAP.

DISTRIBUTION: LABORATORY: ☑ ARCHIVE: ☑ INSTALLER: ☑ OTHER: ☐

| SAMPLE DATA | | | | | FIELD DATA | | | | | LABORATORY DATA | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.S. NO. | SEAM/ LOCATION | MACH NO. | OPER ID | DATE SAMPLED/ SHIPPED (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | QA ID | DATE OF RESULTS (day/mo) | AVG PEEL (PPI/PSI) INSIDE | AVG PEEL (PPI/PSI) OUTSIDE | AVG SHEAR (PPI/PSI) | PASS/ FAIL | RE-TEST | QA ID |
| #87 | 175/176 - 120' | 295 | TT | 8-15-95 | 60 | 58 | 60 | P - | J.K. | 8-17-95 | 59.9 | 63.2 | 68.1 | P - | - | J.K. |
| " | " | " | " | " | 64 | 55 | 58 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #88 | 177/178 - 170' | 1205 | KO | 8-15-95 | 59 | 65 | 59 | P - | J.K. | 8-17-95 | 64.4 | 66.1 | 76.6 | P - | - | J.K. |
| " | " | " | " | " | 52 | 60 | 57 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #89 | 179/180 - 198' | 1205 | KO | 8-15-95 | 54 | 60 | 58 | P - | J.K. | 8-17-95 | 62.3 | 62.7 | 77.5 | P - | - | J.K. |
| " | " | " | " | " | 62 | 52 | 59 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #90 | 181/182 - 12' | 1205 | KO | 8-15-95 | 59 | 65 | 68 | P - | J.K. | 8-18-95 | 60.2 | 65.7 | 75.6 | P - | - | J.K. |
| " | " | " | " | " | 60 | 60 | 69 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #91 | 184/185 - 53' | 1205 | KO | 8-15-95 | 60 | 58 | 61 | P - | J.K. | 8-18-95 | 64.2 | 59.3 | 78.9 | P - | - | J.K. |
| " | " | " | " | " | 59 | 60 | 62 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| #92 | 186/187 - 122' | 1205 | KO | 8-15-95 | 61 | 64 | 55 | P - | J.K. | 8-18-95 | 64.7 | 63.6 | 75.7 | P - | - | J.K. |
| " | " | " | " | " | 60 | 60 | 60 | P - | J.K. | " | - | - | - | P - | - | J.K. |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | | |

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE DESTRUCTIVE TEST LOG

| DATE | SEAM NUMBER | SAMPLE NUMBER | SEAM LOCATION | MACHINE NUMBER | FIELD PEEL 1 | FIELD PEEL 2 | FIELD SHEAR 1 | FIELD SHEAR 2 | FIELD PASS/FAIL | DATE SHIPPED | LAB PEEL 1 | LAB PEEL 2 | LAB SHEAR | LAB PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/22/95 | 190-191 | DS-93 | 277'W. OF E.END | 1113 | 51 | 53 | 54 | 52 | P | 08/22/95 | 62 | 62 | 65 | P | NMB |
| 8/22/95 | 191-192 | DS-94 | 350'W. OF E.END | 1113 | 50 | 54 | 53 | 52 | P | 08/22/95 | 65 | 61 | 63 | P | NMB |
| 8/22/95 | 191-192 | DS-95 | 139'W. OF E.END | 295 | 51 | 56 | 60 | 62 | P | 08/22/95 | 56 | 54 | 70 | F | NMB |
| 8/22/95 | 192-193 | DS-96 | 153'W. OF E.END | 295 | 52 | 53 | 56 | 60 | P | 08/22/95 | 63 | 50 | 73 | F | NMB |
| 8/22/95 | 193-194 | DS-97 | 68'W. OF E.END | 295 | 49 | 56 | 51 | 54 | P | 08/22/95 | 67 | 62 | 72 | P | NMB |
| 8/22/95 | 194-195 | DS-98 | 263'W. OF E.END | 1113 | 52 | 53 | 54 | 60 | P | 08/22/95 | 64 | 62 | 72 | P | NMB |
| 8/22/95 | 195-196 | DS-99 | 136'W. OF E.END | 295 | 54 | 51 | 62 | 60 | P | 08/23/95 | 61 | 66 | 77 | P | NMB |
| 8/22/95 | 197-198 | DS-100 | 232'W. OF E.END | 1113 | 49 | 53 | 54 | 56 | P | 08/23/95 | 61 | 62 | 70 | P | NMB |
| 8/22/95 | 196-197 | DS-101 | 354'W. OF E.END | 1113 | 55 | 54 | 58 | 60 | P | 08/23/95 | 64 | 58 | 69 | P | NMB |
| 8/23/95 | 199-200 | DS-102 | 259'W. OF E.END | 1113 | 56 | 54 | 59 | 58 | P | 08/24/95 | 62 | 60 | 69 | P | NMB |
| 8/23/95 | 200-201 | DS-103 | 130'W. OF E.END | 295 | 54 | 55 | 58 | 52 | P | 08/24/95 | 64 | 59 | 70 | P | NMB |
| 8/23/95 | 198-202 | DS-104 | 48'W. OF E.END | 295 | 50 | 50 | 51 | 56 | P | 08/24/95 | 64 | 59 | 75 | P | NMB |
| 8/23/95 | 199-203 | DS-105 | 280'W. OF E.END | 1113 | 49 | 48 | 52 | 54 | P | 08/24/95 | 60 | 60 | 76 | P | NMB |
| 8/24/95 | 203-204 | DS-106 | 69'W. OF E.END | 295 | 52 | 53 | 51 | 56 | P | 08/28/95 | 66 | 65 | 73 | P | NMB |
| 8/24/95 | 204-205 | DS-107 | 218'W. OF E.END | 1113 | 49 | 50 | 52 | 52 | P | 08/25/95 | 63 | 60 | 73 | P | NMB |
| 8/24/95 | 205-206 | DS-108 | 320'W. OF E.END | 1113 | 56 | 54 | 53 | 60 | P | 08/25/95 | 60 | 59 | 70 | P | NMB |
| 8/25/95 | 206-207 | DS-109 | 330'W. OF E.END | 1113 | 56 | 58 | 58 | 63 | P | 08/28/95 | 58 | 63 | 68 | P | NMB |
| 8/25/95 | 207-208 | DS-110 | 149'W. OF E.END | 295 | 48 | 54 | 56 | 59 | P | 08/28/95 | 66 | 68 | 78 | P | NMB |
| 8/25/95 | 208-209 | DS-111 | 34'W. OF E.END | 295 | 52 | 56 | 60 | 57 | P | 08/28/95 | 58 | 61 | 68 | P | NMB |
| 8/26/95 | 209-210 | DS-112 | 250'W. OF E.END | 1113 | 53 | 45 | 53 | 62 | P | 08/28/95 | 54 | 65 | 61 | P | NMB |
| 8/26/95 | 210-211 | DS-113 | 125,W. OF E.END | 295 | 56 | 56 | 56 | 63 | P | 08/29/95 | 60 | 60 | 63 | P | NMB |
| 8/26/95 | 192-193 | DS-96A | 158'W. OF E.END | 295 | 45 | | | | F | | | | | | NMB |
| 8/26/95 | 192-193 | DS-96B | 126'W. OF E.END | 295 | 49 | | | | F | | | | | | NMB |
| 8/26/95 | 191-192 | DS-95A | 158'W. OF E.END | 295 | 54 | | | | F | | | | | | NMB |
| 8/26/95 | 191-192 | DS-95B | 112'W. OF E.END | 295 | 56 | | | | F | | | | | | NMB |
| 8/26/95 | 187-188 | DS95B1 | 129'E. OF W.END | 295 | 49 | 49 | 52 | 60 | P | 08/28/95 | 61 | 64 | 76 | P | NMB |
| 8/28/95 | 193-194 | DS96B1 | 190'W. OF E.END | 295 | 52 | 54 | 60 | 58 | P | 08/28/95 | 61 | 64 | 76 | P | NMB |
| 8/26/95 | 211-212 | DS-114 | 212'W. OF E.END | 295 | 56 | 52 | 59 | 54 | P | 08/28/95 | 63 | 66 | 70 | P | NMB |
| 8/28/95 | 213-214 | DS-115 | 215'W. OF E.END | 1113 | 57 | 54 | 58 | 55 | P | 08/28/95 | 66 | 69 | 74 | P | NMB |
| 8/28/95 | 215-216 | DS-116 | 80'W. OF E.END | 295 | 54 | 57 | 54 | 50 | P | 08/29/95 | 65 | 53 | 74 | P | NMB |
| 8/28/95 | 218-219 | DS-117 | 189'W. OF E.END | 1113 | 56 | 58 | 55 | 56 | P | 08/29/95 | 62 | -- | 70 | P | NMB |
| 8/28/95 | 190R1809 | DS-118 | 112'W. OF E.END | 295 | 54 | 56 | 50 | 53 | P | 08/29/95 | 57 | 56 | 69 | P | NMB |
| 8/28/95 | 192R1822 | DS-119 | 67'W. OF E.END | 295 | 56 | 54 | 54 | 51 | P | 08/29/95 | 57 | 59 | 70 | P | NMB |
| 8/28/95 | 193R1817 | DS-120 | 111'W. OF E.END | G171 | 54 | 54 | 53 | 58 | P | 08/29/95 | 61 | -- | 71 | P | NMB |
| 8/30/95 | 219-221 | DS-121 | 206'W. OF E.END | 1113 | 53 | 49 | 60 | 54 | P | 08/31/95 | 62 | 60 | 79 | P | NMB |
| 8/30/95 | 220-222 | DS-122 | 80'W. OF E.END | 295 | 52 | 50 | 64 | 54 | P | 08/31/95 | 61 | 60 | 70 | P | NMB |
| 8/30/95 | 221-223 | DS-123 | 60'W. OF E.END | 295 | 56 | 55 | 59 | 52 | P | 08/31/95 | 62 | 55 | 71 | P | NMB |
| 8/30/95 | 223-225 | DS-124 | 83'W. OF E.END | 1113 | 58 | 51 | 62 | 51 | P | 08/31/95 | 67 | 63 | 67 | P | NMB |
| 8/31/95 | 220-229 | DS-125 | 156'N. OF S.END | 1113 | 51 | 52 | 56 | 56 | P | 08/31/95 | 64 | 63 | 71 | P | JJP |
| 8/31/95 | 228-229 | DS-126 | 53'N. OF S. END | 295 | 55 | 56 | 59 | 58 | P | 09/01/95 | 59 | 59 | 68 | P | JJP |
| 8/31/95 | 188-238 | DS-127 | 88'W. OF E. END | 295 | 54 | 54 | 62 | 59 | P | 09/01/95 | 65 | 67 | 78 | P | JJP |
| 8/31/95 | 238-239 | DS-128 | 50'W. OF E. END | 1113 | 53 | 57 | 58 | 59 | P | 09/01/95 | 66 | 63 | 71 | P | JJP |
| 9/1/95 | 186-242 | DS-129 | 74'N. OF S. END | G133 | 58 | 56 | 62 | 64 | P | 09/05/95 | 85 | -- | 80 | P | JJP |
| Peel and shear values are given in pounds per inch (ppi). | | | | | | | | | | | | | | | |

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE DESTRUCTIVE TEST LOG

| DATE | SEAM NUMBER | SAMPLE NUMBER | SEAM LOCATION | MACHINE NUMBER | FIELD PEEL 1 | FIELD PEEL 2 | FIELD SHEAR 1 | FIELD SHEAR 2 | FIELD PASS/FAIL | DATE SHIPPED | LAB PEEL 1 | LAB PEEL 2 | LAB SHEAR | LAB PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/5/95 | 178-244 | DS-130 | 265'N. OF S.END | G171 | 56 | 60 | 63 | 64 | P | 09/05/95 | 78 | -- | 97 | P | NMB |
| 9/5/95 | 205-245 | DS-131 | 24'N. OF S.END | G133 | 49 | 58 | 64 | 60 | P | 09/05/95 | 75 | -- | 85 | P | NMB |
| 9/8/95 | 247-248 | DS-132 | 146'W. OF E.END | 295 | 58 | 65 | 61 | 64 | P | 09/08/95 | 64 | 64 | 77 | P | NMB |
| 9/8/95 | 18-249 | DS-133 | 40'W. OF E.END | 1155 | 58 | 59 | 63 | 61 | P | 09/08/95 | 66 | 67 | 81 | P | NMB |
| 9/9/95 | 247-252 | DS-134 | 181'W. OF E.END | 295 | 54 | 57 | 60 | 59 | P | 09/11/95 | 65 | 60 | 77 | P | JJP |
| 9/9/95 | 252-253 | DS-135 | 300'W. OF E.END | 1155 | 57 | 61 | 61 | 63 | P | 09/11/95 | 71 | 73 | 83 | P | JJP |
| 9/9/95 | 254-255 | DS-136 | 50'W. OF E.END | 295 | 56 | 52 | 59 | 63 | P | 09/11/95 | 64 | 58 | 78 | P | JJP |
| 9/9/95 | 255-256 | DS-137 | 370'W. OF E.END | 1155 | 59 | 62 | 60 | 60 | P | 09/11/95 | 71 | 69 | 86 | P | JJP |
| 9/9/95 | 256-257 | DS-138 | 179'W. OF E.END | 295 | 62 | 58 | 64 | 62 | P | 09/11/95 | 69 | 67 | 80 | P | JJP |
| 9/11/95 | 257-258 | DS-139 | 250'W. OF E.END | 1155 | 60 | 59 | 61 | 60 | P | 09/11/95 | 73 | 75 | 76 | P | JJP |
| 9/11/95 | 258-259 | DS-140 | 50'W. OF E.END | 295 | 54 | 52 | 56 | 59 | P | 09/11/95 | 64 | 60 | 74 | P | JJP |
| 9/11/95 | 259-260 | DS-141 | 350'W. OF E.END | 1155 | 57 | 53 | 55 | 57 | P | 09/13/95 | 60 | 63 | 72 | P | JJP |
| 9/11/95 | 260-261 | DS-142 | 125'W. OF E.END | 295 | 53 | 57 | 56 | 58 | P | 09/13/95 | 67 | 62 | 80 | P | JJP |
| 9/11/95 | 261-262 | DS-143 | 225'W. OF E.END | 1155 | 54 | 55 | 55 | 56 | P | 09/13/95 | 56 | 60 | 74 | P | JJP |
| 9/11/95 | 262-263 | DS-144 | 50'W. OF E.END | 295 | 55 | 54 | 56 | 52 | P | 09/13/95 | 57 | 56 | 78 | P | JJP |
| 9/12/95 | 263-269 | DS-145 | 105'W. OF E.END | 1155 | 54 | 56 | 58 | 57 | P | 09/13/95 | 68 | 57 | 81 | P | JJP |
| 9/12/95 | 264-266 | DS-146 | 50'W. OF E.END | 295 | 53 | 54 | 55 | 59 | P | 09/13/95 | 63 | 60 | 76 | P | JJP |
| 9/12/95 | 190-264 | DS-147 | 263'W. OF E.END | 1155 | 52 | 56 | 60 | 51 | P | 09/13/95 | 58 | 57 | 68 | P | JJP |
| 9/12/95 | 263-265 | DS-148 | 330'W. OF E.END | 1155 | 53 | 55 | 56 | 52 | P | 09/13/95 | 61 | 63 | 77 | P | JJP |
| 9/12/95 | 274-275 | DS-149 | 75'W. OF E.END | 1155 | 54 | 50 | 59 | 60 | P | 09/13/95 | 62 | 60 | 72 | P | JJP |
| 9/21/95 | 283-284 | DS-150 | 200'S. OF N.END | 1155 | 59 | 58 | 59 | 58 | P | 09/21/95 | 63 | 62 | 66 | P | JJP |
| 9/21/95 | 282-287 | DS-151 | 375'S. OF N.END | 1155 | 60 | 61 | 65 | 62 | P | 09/21/95 | 61 | 65 | 76 | P | JJP |
| 9/28/95 | 290-293 | DS-152 | 60'N. OF S.END | 1155 | 62 | 60 | 67 | 63 | P | 09/29/95 | 64 | 66 | 85 | P | JJP |
| 9/29/95 | 297-299 | DS-153 | 150'E. 0F W.END | 295 | 53 | 54 | 57 | 59 | P | 09/29/95 | 56 | 56 | 70 | P | JJP |
| 9/29/95 | 299-304 | DS-154 | 75'E. OF W.END | 1155 | 52 | 55 | 58 | 57 | P | 09/29/95 | 59 | 62 | 72 | P | JJP |
| 9/29/95 | 302-303 | DS-155 | 175'E. OF W.END | 295 | 53 | 52 | 59 | 58 | P | 10/02/95 | 62 | 61 | 75 | P | JJP |
| 9/29/95 | 305-306 | DS-156 | 5'E. OF W.END | 1155 | 52 | 51 | 61 | 59 | P | 10/02/95 | 60 | 67 | 70 | P | JJP |
| 9/30/95 | 307-308 | DS-157 | 238'E. OF W.END | 295 | 55 | 57 | 59 | 57 | P | 10/02/95 | 59 | 65 | 72 | P | JJP |
| 9/30/95 | 308-310 | DS-158 | 100'E. OF W.END | 1155 | 56 | 55 | 61 | 59 | P | 10/02/95 | 58 | 63 | 69 | P | JJP |
| 9/30/95 | 311-313 | DS-159 | 290'E. OF W.END | 295 | 54 | 52 | 61 | 58 | P | 10/02/95 | 60 | 62 | 73 | P | JJP |
| 9/30/95 | 313-314 | DS-160 | 130'E. OF W.END | 1155 | 60 | 57 | 60 | 62 | P | 10/02/95 | 57 | 62 | 71 | P | JJP |
| 9/30/95 | 314-315 | DS-161 | 5'E. OF W. END | 1155 | 55 | 54 | 58 | 60 | P | 10/02/95 | 64 | 69 | 76 | P | JJP |
| 10/2/95 | 321-322 | DS-162 | 21'E. OF W.END | 1155 | 52 | 55 | 59 | 57 | P | 10/02/95 | 60 | 68 | 73 | P | NMB |
| 10/2/95 | 316-318 | DS-163 | 234'E. OF W.END | 295 | 54 | 53 | 58 | 56 | P | 10/02/95 | 63 | 67 | 75 | P | NMB |
| 10/2/95 | 317-318 | DS-164 | 91'E. OF W.END | 1155 | 56 | 53 | 58 | 59 | P | 10/02/95 | 64 | 66 | 72 | P | NMB |
| 10/2/95 | 317-323 | DS-165 | 343'E. OF W.END | 295 | 55 | 54 | 59 | 58 | P | 10/04/95 | 71 | 65 | 79 | P | NMB |
| 10/3/95 | 323-324 | DS-166 | 102'E. OF W.END | 1155 | 57 | 58 | 63 | 60 | P | 10/04/95 | 65 | 69 | 86 | P | NMB |
| 10/3/95 | 325-326 | DS-167 | 280'E. OF W.END | 295 | 55 | 58 | 61 | 62 | P | 10/04/95 | 67 | 64 | 80 | P | NMB |
| 10/3/95 | 326-327 | DS-168 | 17'E. OF W.END | 1155 | 56 | 57 | 61 | 62 | P | 10/04/95 | 64 | 65 | 82 | P | NMB |
| 10/3/95 | 327-328 | DS-169 | 261'E. OF W.END | 295 | 56 | 58 | 59 | 63 | P | 10/04/95 | 63 | 57 | 77 | P | NMB |
| 10/4/95 | 329-333 | DS-170 | 160'E. OF W.END | 1155 | 60 | 62 | 65 | 64 | P | 10/11/95 | 61 | 64 | 77 | P | NMB |
| 10/4/95 | 330-331 | DS-171 | 20'N. OF S.END | 1155 | 59 | | | | F | | | | | | NMB |
| 10/4/95 | 329-333 | DS-172 | 330'E. OF W.END | 295 | 56 | | | | F | | | | | | NMB |
| Peel and shear values are given in pounds per inch (ppi). | | | | | | | | | | | | | | | |

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE DESTRUCTIVE TEST LOG

| DATE | SEAM NUMBER | SAMPLE NUMBER | SEAM LOCATION | MACHINE NUMBER | FIELD PEEL 1 | FIELD PEEL 2 | FIELD SHEAR 1 | FIELD SHEAR 2 | FIELD PASS/FAIL | DATE SHIPPED | LAB PEEL 1 | LAB PEEL 2 | LAB SHEAR | LAB PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/9/95 | 333-334 | DS-173 | 51'E. OF W.END | 1155 | 61 | 60 | 63 | 64 | P | 10/11/95 | 56 | 51 | 70 | P | DDW |
| 10/10/95 | 334-336 | DS-174 | 300'E OF W.END | 295 | 58 | 57 | 60 | 59 | P | 10/11/95 | 65 | 65 | 73 | P | DDW |
| 10/10/95 | 336-337 | DS-175 | 29'E. OF W.END | 1155 | 61 | 60 | 65 | 66 | P | 10/11/95 | 62 | 64 | 73 | P | DDW |
| 10/10/95 | 337-339 | DS-176 | 212'E. OF W.END | 295 | 57 | 58 | 60 | 60 | P | 10/11/95 | 71 | 71 | 84 | P | DDW |
| 10/10/95 | 335-349 | DS-177 | 87'E. OF W.END | 1155 | 61 | 60 | 63 | 62 | P | 10/11/95 | 65 | 63 | 73 | P | NMB |
| 10/10/95 | 335-341 | DS-178 | 282'E. OF W.END | 295 | 58 | 55 | 59 | 61 | P | 10/11/95 | 63 | 61 | 74 | P | NMB |
| 10/10/95 | 340-341 | DS-179 | 28'E. OF W.END | 1155 | 51 | 50 | 59 | 58 | P | 10/11/95 | 61 | 61 | 67 | P | NMB |
| 10/11/95 | 330-331 | DS171A | 5'N. OF S.END | 1155 | 53 | 55 | 60 | 61 | P | 10/13/95 | 56 | 59 | 72 | F | NMB |
| 10/11/95 | 330-331 | DS171B | 33'N. OF S.END | 1155 | 58 | 56 | 63 | 62 | P | 10/13/95 | 60 | 56 | 75 | P | NMB |
| 10/11/95 | 329-333 | DS172B | 358'E. OF W.END | 295 | 57 | 55 | 61 | 64 | P | 10/13/95 | 60 | F | | F | NMB |
| 10/11/95 | 329-333 | DS172A | 208'E. OF W.END | 295 | 55 | 53 | 60 | 59 | P | 10/13/95 | 62 | 60 | 70 | P | NMB |
| 10/12/95 | 349-350 | DS-180 | 221'E. OF W.END | 1155 | 60 | 59 | 64 | 63 | P | 10/13/95 | 60 | 62 | 74 | P | DDW |
| 10/12/95 | 350-352 | DS-182 | 290'E. OF W.END | 295 | 62 | 60 | 65 | 67 | P | 10/13/95 | 56 | 56 | 65 | P | DDW |
| 10/12/95 | 354-355 | DS-183 | 244'E. OF W.END | 295 | 56 | 57 | 59 | 60 | P | 10/13/95 | 61 | 62 | 73 | P | DDW |
| 10/12/95 | 351-355 | DS-181 | 106'N. OF S.END | 1155 | 58 | 53 | 59 | 61 | P | 10/13/95 | 65 | 58 | 77 | P | DDW |
| 10/12/95 | 356-358 | DS-184 | 60'E. OF W.END | 295 | 59 | 55 | 64 | 66 | P | 10/13/95 | 62 | 56 | 72 | P | DDW |
| 10/12/95 | 359-360 | DS-185 | 46'E. OF W.END | 1155 | 58 | 54 | 61 | 60 | P | 10/13/95 | 59 | 60 | 72 | P | DDW |
| 10/12/95 | 361-364 | DS-186 | 51'N. OF S.END | 295 | 59 | 58 | 63 | 60 | P | 10/13/95 | 62 | F | | F | DDW |
| 10/13/95 | 351-365 | DS-187 | 369'N. OF S.END | 295 | 62 | 59 | 66 | 68 | P | 10/16/95 | 65 | 64 | 77 | P | NMB |
| 10/13/95 | 366-368 | DS-188 | 167'N. OF S.END | 1155 | 53 | 52 | 61 | 60 | P | 10/16/95 | 61 | 61 | 76 | P | NMB |
| 10/14/95 | 371-373 | DS-189 | 275'N. OF S.END | 1155 | 58 | 57 | 62 | 63 | P | 10/16/95 | 65 | 63 | 71 | P | DDW |
| 10/14/95 | 365-371 | DS-190 | 215'N. OF S.END | 295 | 57 | 58 | 63 | 60 | P | 10/16/95 | 66 | 62 | 77 | P | DDW |
| 10/14/95 | 373-374 | DS-191 | 192'N. OF S.END | 1155 | 59 | 58 | 65 | 67 | P | 10/16/95 | 65 | 66 | 70 | P | DDW |
| 10/16/95 | 377-382 | DS-192 | 91'E. OF W.END | 1155 | 57 | 60 | 67 | 65 | P | 10/16/95 | 55 | 61 | 74 | P | NMB |
| 10/16/95 | 374-387 | DS-193 | 189'E. OF W.END | 295 | 62 | 57 | 70 | 63 | P | 10/16/95 | 64 | 58 | 79 | P | NMB |
| 10/18/95 | 374-398 | DS-194 | 180'N OF S.END | 1155 | 59 | 60 | 69 | 68 | P | 10/19/95 | 64 | 64 | 65 | P | JJP |
| 10/18/95 | 398-399 | DS-195 | 415'N OF S.END | 295 | 64 | 62 | 68 | 65 | P | 10/19/95 | 58 | 60 | 72 | P | JJP |
| 10/18/95 | 399-401 | DS-196 | 160'N. OF S.END | 1155 | 59 | 58 | 63 | 65 | P | 10/19/95 | 66 | 65 | 77 | P | JJP |
| 10/18/95 | 400-403 | DS-197 | 145 N. OF S.END | 295 | 65 | 67 | 71 | 69 | P | 10/19/95 | 65 | 63 | 73 | P | JJP |
| 10/18/95 | 400-402 | DS-198 | 121'N. OF S.END | 1155 | 60 | 58 | 66 | 68 | P | 10/19/95 | 66 | 65 | 72 | P | JJP |
| 10/18/95 | 378-402 | DS-199 | 123'N. OF S.END | 295 | 59 | 57 | 64 | 62 | P | 10/19/95 | 59 | 60 | 75 | P | DDW |
| 10/18/95 | 363-364 | DS186A | 6'E. OF W.END | 295 | 60 | 63 | 68 | 65 | P | 10/18/95 | 62 | 59 | 73 | P | JJP |
| 10/18/95 | 361-364 | DS186B | 61'E. OF W.END | 295 | 62 | 64 | 67 | 66 | P | 10/18/95 | 59 | 56 | 70 | P | JJP |
| 10/18/95 | 328-329 | D172B2 | 208'E. OF W.END | 295 | 61 | 59 | 65 | 64 | P | 10/18/95 | 58 | 61 | 66 | P | JJP |
| 10/18/95 | 329-333 | D172B1 | 368'E. OF W.END | 295 | 56 | | | | F | | | | | | JJP |
| 10/19/95 | 407-410 | DS-200 | 21'E. OF W.END | 295 | 56 | 62 | 67 | 65 | P | 10/19/95 | 64 | 61 | 71 | P | NMB |
| 10/23/95 | 402-413 | DS-201 | 460'N. OF S.END | 295 | 60 | 61 | 65 | 67 | P | 10/26/95 | 67 | 63 | 74 | P | NMB |
| 10/23/95 | 413-414 | DS-202 | 255'N. OF S.END | 1155 | 60 | 61 | 66 | 68 | P | 10/26/95 | 64 | 65 | 77 | P | NMB |
| 10/23/95 | 330-415 | DS-203 | 23'N. OF S.END | G198 | 64 | 65 | 72 | 70 | P | 10/26/95 | 54 | -- | 64 | P | NMB |
| 10/25/95 | 414-416 | DS-204 | 100'N. OF S.END | 1155 | 59 | 60 | 65 | 63 | P | 10/26/95 | 62 | 58 | 76 | P | NMB |
| 10/25/95 | 416-417 | DS-205 | 510'N. OF S.END | 295 | 58 | 61 | 62 | 62 | P | 10/26/95 | 64 | 73 | 76 | P | NMB |
| 10/25/95 | 417-419 | DS-206 | 240'N. OF S.END | 1155 | 63 | 65 | 69 | 67 | P | 10/26/95 | 69 | 63 | 72 | P | NMB |
| 10/26/95 | 419-422 | DS-207 | 496'N. OF S.END | 295 | 61 | 63 | 65 | 67 | P | 10/26/95 | 67 | 66 | 76 | P | NMB |
| Peel and shear values are given in pounds per inch (ppi). | | | | | | | | | | | | | | | |

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE DESTRUCTIVE TEST LOG

| DATE | SEAM NUMBER | SAMPLE NUMBER | SEAM LOCATION | MACHINE NUMBER | FIELD PEEL 1 | FIELD PEEL 2 | FIELD SHEAR 1 | FIELD SHEAR 2 | FIELD PASS/FAIL | DATE SHIPPED | LAB PEEL 1 | LAB PEEL 2 | LAB SHEAR | LAB PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/26/95 | 420-425 | DS-208 | 50'N. OF S.END | 295 | 58 | 61 | 68 | 67 | P | 10/26/95 | 67 | 62 | 81 | P | NMB |
| 10/26/95 | 419-420 | DS-209 | 175'N. OF S.END | 1155 | 61 | 60 | 65 | 62 | P | 10/30/95 | 63 | 63 | 75 | P | NMB |
| 10/26/95 | 420-423 | DS-210 | 50'N. OF S.END | 1155 | 59 | 61 | 64 | 65 | P | 10/30/95 | 64 | 65 | 72 | P | JJP |
| 10/26/95 | 423-430 | DS-211 | 362'N. OF S.END | 295 | 61 | 60 | 66 | 69 | P | 10/30/95 | 67 | 64 | 81 | P | JJP |
| 10/25/95 | 426-428 | DS-212 | 26'N. OF S.END | 1155 | 60 | 61 | 65 | 64 | P | 10/30/95 | 66 | 62 | 70 | P | JJP |
| 10/26/95 | 426-433 | DS-213 | 175'N. OF S.END | 1155 | 57 | 55 | 62 | 60 | P | 10/30/95 | 60 | 62 | 70 | P | JJP |
| 10/27/95 | 426-434 | DS-214 | 5'E. OF W.END | G198 | 57 | 60 | 63 | 64 | P | 10/30/95 | 60 | 62 | 89 | P | NMB |
| 10/30/95 | 287-433 | DS-215 | 355'N. OF S.END | 295 | 0 | 0 | 0 | | | 10/30/95 | 56 | 66 | 77 | P | JJP |
| 11/6/95 | 448-453 | DS-216 | 181'E. OF W.END | 295 | 57 | 57 | 61 | 60 | P | 11/06/95 | 60 | 59 | 67 | P | DDW |
| 11/6/95 | 447-450 | DS-217 | 140'E. OF W.END | G205 | 52 | 54 | 57 | 0 | P | 11/06/95 | 52 | -- | 64 | P | DDW |
| 11/8/95 | 29-454 | DS-218 | 85'S. OF N.END | G133 | 62 | 60 | 67 | 69 | P | 11/08/95 | 59 | -- | 57 | P | JJP |
| 11/8/95 | 457-467 | DS-219 | 122'S. OF N.END | 295 | 55 | 58 | 66 | 61 | P | 11/08/95 | 55 | 60 | 52 | P | JJP |
| 11/8/95 | 470-471 | DS-220 | 175'S. OF N.END | 1155 | 64 | 60 | 66 | 65 | P | 11/08/95 | 71 | 62 | 54 | P | JJP |
| 11/9/95 | 477-478 | DS-221 | 58'N. OF S.END | 1155 | 60 | 58 | 64 | 63 | P | 11/09/95 | 67 | 57 | 70 | P | DDW |
| 11/13/95 | 485-486 | DS 222 | 78'E. OF W.END | 295 | 58 | 59 | 62 | 63 | P | 11/14/95 | 67 | 62 | 76 | P | DDW |
| 11/13/95 | 490-492 | DS 223 | 75'E. OF W.END | 1155 | 59 | 60 | 60 | 59 | P | 11/15/95 | 65 | 63 | 74 | P | DDW |
| 11/16/95 | 254-499 | DS 224 | 16'N. OF S.END | G198 | 59 | 58 | 62 | 61 | P | 11/17/95 | 57 | -- | 65 | P | DDW |
| 11/18/95 | 1-501 | DS-225 | 120'W. OF S.END | 1155 | 56 | 54 | 67 | 66 | P | 11/18/95 | 56 | 53 | 69 | P | DWW |
| 11/18/95 | 503-504 | DS-226 | 266'W. OF S.END | 295 | 51 | 54 | 68 | 69 | P | 11/18/95 | 58 | 57 | 73 | P | DWW |
| 11/21/95 | 507-297 | DS-227 | 11'S. OF S.END | G132 | 67 | 65 | 70 | 72 | P | 11/21/95 | 71 | -- | 68 | P | DWW |
| 11/21/95 | 508-509 | DS-228 | 184'E. OF S.END | 295 | 63 | 60 | 69 | 72 | P | 11/22/95 | 64 | 62 | 72 | P | DWW |
| 11/22/95 | 514-513 | DS-229 | 42'E. OF S.END | 1155 | 51 | 57 | 66 | 69 | P | 11/22/95 | 57 | 59 | 71 | P | DWW |
| 11/27/95 | 517-518 | DS-230 | 205'E. OF W.END | 295 | 61 | 62 | 66 | 71 | P | 11/28/95 | 62 | 63 | 53 | P | DWW |
| 11/27/95 | 521-523 | DS-231 | 175'E. OF W.END | 1117 | 66 | 62 | 67 | 65 | P | 11/28/95 | 69 | 64 | 56 | P | DWW |
| 11/28/95 | 324-325 | DS-232 | 394'E. OF W.END | G171 | 65 | 71 | 73 | 68 | P | 11/29/95 | 62 | -- | 65 | P | DWW |
| 11/29/95 | 530-531 | DS-233 | 173'E. OF W.END | 1117 | 65 | 66 | 64 | 61 | P | 11/29/95 | 66 | 61 | 79 | P | DWW |
| 12/2/95 | 533-535 | DS-234 | 35'E. OF W.END | 295 | 65 | 63 | 66 | 66 | P | 12/04/95 | 60 | 60 | 54 | P | DWW |
| 12/2/95 | 540-542 | DS-235 | 47'E. OF W.END | 295 | 60 | 55 | 63 | 60 | P | 12/04/95 | 61 | 57 | 60 | P | DWW |
| 12/4/95 | 335-551 | DS-236 | 5'N. OF S.END | G198 | 62 | 65 | 66 | 64 | P | 12/04/95 | 67 | -- | 60 | P | DWW |
| 12/5/95 | 358-562 | DS-237 | 6'N. OF S.END | 295 | 65 | 64 | 67 | 65 | P | 12/05/95 | 65 | 66 | 87 | P | DDW |
| 12/6/95 | 568R4672 | DS-238 | 29'N. OF S.END | 205 | 65 | 64 | 73 | 70 | P | 12/07/95 | 77 | -- | 81 | P | DDW |
| 12/6/95 | 351-571 | DS-239 | 12'N. OF S.END | 205 | 64 | 59 | 65 | 61 | P | 12/07/95 | 70 | -- | 78 | P | DDW |
| 12/7/95 | 282R4835 | DS-240 | 76'S. OF N.END | 205 | 60 | 61 | 66 | 69 | P | 12/13/95 | 60 | -- | 64 | P | DDW |
| 4/25/96 | 283 | DS-241 | 69' S. OF N. END R4870 | 241 | 0 | 45 | 52 | 49 | F | | | | | | JK |
| 4/25/96 | 283 | DS241A | 81' S. OF N.END R4870 | 241 | 46 | 47 | 50 | 48 | P | 04/25/96 | 79 | | 73 | P | JK |
| 4/25/96 | 283 | DS241B | 59' S. OF N.END R4870 | 241 | 49 | 47 | 52 | 52 | P | 04/25/96 | 63 | | 73 | P | JK |
| 4/25/96 | 74 | DS-242 | 9' S. OF R4879 | D2 | 48 | 47 | 51 | 53 | P | 04/25/96 | 64 | | 61 | P | JK |
| Peel and shear values are given in pounds per inch (ppi). | | | | | | | | | | | | | | | |

# APPENDIX W

# LABORATORY DESTRUCTIVE

# TEST RESULTS

# PEEL AND SHEAR TEST RESULTS
# TASK 03 - GEOSYNTHETICS TESTING
# TOWN OF HUNTINGTON/
# EAST NORTHPORT LANDFILL
# INTERIM REPORT NO. 1

**Performed For:**

Cashin Associates, P.C.
1200 Veterans Memorial Highway
Hauppauge, NY 11788

**Performed By:**

J&L Testing Company, Inc.
938 South Central Avenue
Canonsburg, PA 15317

**September 27, 1995**
Job No.: 94S1790

J&L TESTING COMPANY, INC.
GEOTECHNICAL AND GEOSYNTHETICS MATERIALS TESTING AND RESEARCH

September 27, 1995
Job No.: 94S1790

Cashin Associates, P.C.
1200 Veterans Memorial Highway
Hauppauge, NY 11788

ATTN: Mr. James Gladysz, P.E.

RE: Peel and Shear Test Results
TASK 03 - Geosynthetic Testing
Town of Huntington/East Northport Landfill
INTERIM REPORT NO. 1

Dear Mr. Gladysz:

We are pleased to submit herein the interim report of geosynthetic tests performed on samples from the Town of Huntington/East Northport Landfill. Testing included Peel and Shear (ASTM D-413/D-3083). The samples tested are enclosed in this report. All tests were performed per ASTM protocols listed in your letters and in accordance with JLT's in-house QA/QC program.

Should you have any questions or require additional information, please do not hesitate to call.

Sincerely,

J&L TESTING COMPANY, INC.

Mahiru Shettima, Ph.D., P.E.
Director

enclosure
(Cash.1)
MS/jlt

938 South Central Avenue • Canonsburg, Pennsylvania 15317 Tel: (412) 746-4441 Fax: (412) 745-4261

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-01
Date Tested: 4/28/95
Technician: E.G./K.U.
Machine: ATS-900B/1105

## SAMPLE NO. DS-1

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 52.9 | SE1 FTB | < 10 | 67.4 | SE1 FTB | < 10 |
| 2 | 58.5 | SE1 FTB | < 10 | 63.4 | SE1 FTB | < 10 |
| 3 | 63.8 | SE1 FTB | < 10 | 56.4 | SE1 FTB | < 10 |
| 4 | 66.2 | SE1 FTB | < 10 | 58.6 | SE1 FTB | < 10 |
| 5 | 62.9 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| Average | 60.9 | | | 62.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.0 | FTB |
| 2 | 1.0 | 77.8 | FTB |
| 3 | 1.0 | 75.0 | FTB |
| 4 | 1.0 | 76.9 | FTB |
| 5 | 1.0 | 76.1 | FTB |
| Average | | 75.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-01
Date Tested: 4/28/95
Technician: E.G./K.U.
Machine: ATS-900B/1105

## SAMPLE NO. DS-2

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.2 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 2 | 60.3 | SE1 FTB | < 10 | 57.1 | SE1 FTB | < 10 |
| 3 | 60.6 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 4 | 54.7 | SE1 FTB | < 10 | 60.4 | SE1 FTB | < 10 |
| 5 | 56.4 | SE1 FTB | < 10 | 57.3 | SE1 FTB | < 10 |
| Average | 57.8 | | | 59.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.0 | FTB |
| 2 | 1.0 | 70.9 | FTB |
| 3 | 1.0 | 78.3 | FTB |
| 4 | 1.0 | 74.9 | FTB |
| 5 | 1.0 | 73.4 | FTB |
| Average | | 73.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-02
Date Tested: 5/5/95
Technician: E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-3

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.9 | SE1 FTB | < 10 | 73.3 | SE1 FTB | < 10 |
| 2 | 61.4 | AD-BRK FTB | 15 | 57.9 | SE1 FTB | < 10 |
| 3 | 59.6 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| 4 | 58.2 | AD-BRK FTB | 30 | 56.4 | SE1 FTB | < 10 |
| 5 | 63.5 | AD-BRK FTB | 20 | 60.5 | SE1 FTB | < 10 |
| Average | 60.7 | | | 62.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.0 | FTB |
| 2 | 1.0 | 79.2 | FTB |
| 3 | 1.0 | 71.6 | FTB |
| 4 | 1.0 | 70.4 | FTB |
| 5 | 1.0 | 78.4 | FTB |
| Average | | 75.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-03
Date Tested: 5/10/95
Technician: E.G./K.U.
Machine: ATS-900B/1105

## SAMPLE NO. DS-3A

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 72.8 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| 2 | 66.4 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| 3 | 60.4 | SE1 FTB | < 10 | 62.2 | SE1 FTB | < 10 |
| 4 | 69.7 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| 5 | 70.1 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| Average | 67.9 | | | 63.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.0 | FTB |
| 2 | 1.0 | 80.2 | FTB |
| 3 | 1.0 | 80.8 | FTB |
| 4 | 1.0 | 76.3 | FTB |
| 5 | 1.0 | 72.2 | FTB |
| Average | | 78.3 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-03
Date Tested: 5/10/95
Technician: E.G./K.U.
Machine: ATS-900B/1105

## SAMPLE NO. DS-3B

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.2 | SE1 FTB | < 10 | 66.9 | SE1 FTB | < 10 |
| 2 | 52.8 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| 3 | 56.1 | SE1 FTB | < 10 | 64.4 | SE1 FTB | < 10 |
| 4 | 53.3 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 5 | 54.2 | SE1 FTB | < 10 | 69.8 | SE1 FTB | < 10 |
| Average | 56.1 | | | 64.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.0 | FTB |
| 2 | 1.0 | 76.6 | FTB |
| 3 | 1.0 | 69.8 | FTB |
| 4 | 1.0 | 72.1 | FTB |
| 5 | 1.0 | 81.8 | FTB |
| Average | | 74.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-03
Date Tested: 5/10/95
Technician: E.G./K.U.
Machine: ATS-900B/1105

## SAMPLE NO. DS-4

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.6 | SE1 FTB | < 10 | 58.5 | SE1 FTB | < 10 |
| 2 | 62.2 | SE1 FTB | < 10 | 56.8 | SE1 FTB | < 10 |
| 3 | 55.8 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| 4 | 70.5 | SE1 FTB | < 10 | 52.3 | SE1 FTB | < 10 |
| 5 | 62.5 | SE1 FTB | < 10 | 58.5 | SE1 FTB | < 10 |
| Average | 61.5 | | | 58.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.8 | FTB |
| 2 | 1.0 | 81.3 | FTB |
| 3 | 1.0 | 78.6 | FTB |
| 4 | 1.0 | 78.8 | FTB |
| 5 | 1.0 | 78.1 | FTB |
| Average | | 78.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-03
Date Tested: 5/10/95
Technician: E.G./K.U.
Machine: ATS-1105/900B

## SAMPLE NO. DS-5

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 64.7 | SE3 FTB | <10 |
| 2 | 1.0 | 61.5 | SE3 FTB | <10 |
| 3 | 1.0 | 51.5 | SE3 FTB | <10 |
| 4 | 1.0 | 43.8 | SE3 FTB | <10 |
| 5 | 1.0 | 70.8 | SE3 FTB | <10 |
| Average | | 58.5 | | |

| Bonded Seam (S Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.1 | FTB |
| 2 | 1.0 | 70.7 | FTB |
| 3 | 1.0 | 72.1 | FTB |
| 4 | 1.0 | 71.7 | FTB |
| 5 | 1.0 | 82.3 | FTB |
| Average | | 74.0 | |

FTB-Film Tear Bond
NON-FTB-Seam separated during peel or shear testing.

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-03
Date Tested: 5/10/95
Technician: E.G./K.U.
Machine: ATS-1105/900B

## SAMPLE NO. DS-6

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 84.1 | SE3 FTB | <10 |
| 2 | 1.0 | 84.6 | SE3 FTB | <10 |
| 3 | 1.0 | 85.5 | SE3 FTB | <10 |
| 4 | 1.0 | 93.8 | SE3 FTB | <10 |
| 5 | 1.0 | 87.0 | SE3 FTB | <10 |
| Average | | 87.0 | | |

| Bonded Seam (S Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 83.3 | FTB |
| 2 | 1.0 | 79.5 | FTB |
| 3 | 1.0 | 71.5 | FTB |
| 4 | 1.0 | 74.0 | FTB |
| 5 | 1.0 | 75.0 | FTB |
| Average | | 76.7 | |

FTB-Film Tear Bond
NON-FTB-Seam separated during peel or shear testing.

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-03
Date Tested: 5/10/95
Technician: E.G./K.U.
Machine: ATS-900B/1105

## SAMPLE NO. DS-7

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.9 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| 2 | 61.7 | SE1 FTB | < 10 | 61.5 | SE1 FTB | < 10 |
| 3 | 64.2 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 4 | 63.5 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 5 | 64.8 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| Average | 62.8 | | | 62.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.2 | FTB |
| 2 | 1.0 | 77.7 | FTB |
| 3 | 1.0 | 78.0 | FTB |
| 4 | 1.0 | 78.2 | FTB |
| 5 | 1.0 | 72.7 | FTB |
| Average | | 76.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-04
Date Tested: 6/12/95
Technician: TM
Machine: ATS-900B/1105

## SAMPLE NO. DS-8

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.4 | SE1 FTB | < 10 | 59.3 | SE1 FTB | < 10 |
| 2 | 64.4 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| 3 | 62.0 | SE1 FTB | < 10 | 68.6 | SE1 FTB | < 10 |
| 4 | 60.1 | SE1 FTB | < 10 | 59.7 | SE1 FTB | < 10 |
| 5 | 62.0 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| Average | 62.6 | | | 61.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.6 | FTB |
| 2 | 1.0 | 64.5 | FTB |
| 3 | 1.0 | 68.6 | FTB |
| 4 | 1.0 | 59.7 | FTB |
| 5 | 1.0 | 63.7 | FTB |
| Average | | 64.4 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-9

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.2 | SE1 FTB | < 10 | 59.6 | SE1 FTB | < 10 |
| 2 | 57.6 | SE1 FTB | < 10 | 59.5 | SE1 FTB | < 10 |
| 3 | 59.6 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 4 | 61.3 | SE1 FTB | < 10 | 57.3 | SE1 FTB | < 10 |
| 5 | 59.8 | SE1 FTB | < 10 | 56.5 | SE1 FTB | < 10 |
| Average | 58.9 | | | 58.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.3 | FTB |
| 2 | 1.0 | 66.8 | FTB |
| 3 | 1.0 | 71.7 | FTB |
| 4 | 1.0 | 70.4 | FTB |
| 5 | 1.0 | 69.4 | FTB |
| Average | | 69.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-10

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.5 | SE1 FTB | < 10 | 53.3 | SE1 FTB | < 10 |
| 2 | 57.5 | SE1 FTB | < 10 | 51.3 | SE1 FTB | < 10 |
| 3 | 62.3 | SE1 FTB | < 10 | 46.2 | SE1 FTB | < 10 |
| 4 | 71.6 | SE1 FTB | < 10 | 53.3 | SE1 FTB | < 10 |
| 5 | 50.4 | SE1 FTB | < 10 | 49.5 | SE1 FTB | < 10 |
| Average | 60.5 | | | 50.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.8 | FTB |
| 2 | 1.0 | 63.3 | FTB |
| 3 | 1.0 | 64.4 | FTB |
| 4 | 1.0 | 65.7 | FTB |
| 5 | 1.0 | 63.7 | FTB |
| Average | | 64.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-11

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 50.9 | SE1 FTB | < 10 | 55.4 | SE1 FTB | < 10 |
| 2 | 53.2 | SE1 FTB | < 10 | 63.9 | SE1 FTB | < 10 |
| 3 | 50.0 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 4 | 50.3 | SE1 FTB | < 10 | 56.7 | SE1 FTB | < 10 |
| 5 | 62.4 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| Average | 53.4 | | | 60.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.4 | FTB |
| 2 | 1.0 | 70.1 | FTB |
| 3 | 1.0 | 69.6 | FTB |
| 4 | 1.0 | 64.5 | FTB |
| 5 | 1.0 | 68.3 | FTB |
| Average | | 68.4 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-12

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.5 | SE1 FTB | < 10 | 61.5 | SE1 FTB | < 10 |
| 2 | 62.4 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| 3 | 58.6 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 4 | 61.2 | SE1 FTB | < 10 | 56.7 | SE1 FTB | < 10 |
| 5 | 56.8 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| Average | 59.9 | | | 61.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.7 | FTB |
| 2 | 1.0 | 73.1 | FTB |
| 3 | 1.0 | 72.1 | FTB |
| 4 | 1.0 | 75.5 | FTB |
| 5 | 1.0 | 71.6 | FTB |
| Average | | 73.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-13

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.7 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 2 | 52.1 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 3 | 57.0 | SE1 FTB | < 10 | 60.0 | SE1 FTB | < 10 |
| 4 | 60.4 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| 5 | 59.3 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| Average | 57.7 | | | 61.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.1 | FTB |
| 2 | 1.0 | 71.8 | FTB |
| 3 | 1.0 | 71.8 | FTB |
| 4 | 1.0 | 72.3 | FTB |
| 5 | 1.0 | 69.4 | FTB |
| Average | | 70.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-14

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 65.3 | SE1 FTB | < 10 | 71.1 | SE1 FTB | < 10 |
| 2 | 62.5 | SE1 FTB | < 10 | 67.4 | SE1 FTB | < 10 |
| 3 | 62.8 | SE1 FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| 4 | 56.4 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 5 | 66.0 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| Average | 62.6 | | | 67.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.1 | FTB |
| 2 | 1.0 | 67.1 | FTB |
| 3 | 1.0 | 67.4 | FTB |
| 4 | 1.0 | 71.1 | FTB |
| 5 | 1.0 | 67.5 | FTB |
| Average | | 69.4 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-05
Date Tested: 6/23/95
Technician: EG
Machine: ATS-900B/1105

## SAMPLE NO. DS-15

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 80.7 | SE1 FTB | < 10 | | | |
| 2 | 72.0 | SE1 FTB | < 10 | | | |
| 3 | 74.0 | SE1 FTB | < 10 | | | |
| 4 | 78.9 | SE1 FTB | < 10 | | | |
| 5 | 76.4 | SE1 FTB | < 10 | | | |
| Average | 76.4 | | | | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 95.9 | FTB |
| 2 | 1.0 | 89.7 | FTB |
| 3 | 1.0 | 91.5 | FTB |
| 4 | 1.0 | 71.0 | FTB |
| 5 | 1.0 | 70.5 | FTB |
| Average | | 83.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-10
Date Tested: 7/13/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-16

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.1 | SE1 FTB | < 10 | 60.7 | SE1 FTB | < 10 |
| 2 | 56.7 | SE1 FTB | < 10 | 57.9 | SE1 FTB | < 10 |
| 3 | 62.0 | SE1 FTB | < 10 | 61.5 | SE1 FTB | < 10 |
| 4 | 61.4 | SE1 FTB | < 10 | 54.9 | SE1 FTB | < 10 |
| 5 | 62.7 | SE1 FTB | < 10 | 60.4 | SE1 FTB | < 10 |
| Average | 61.4 | | | 59.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.1 | FTB |
| 2 | 1.0 | 70.6 | FTB |
| 3 | 1.0 | 70.4 | FTB |
| 4 | 1.0 | 69.0 | FTB |
| 5 | 1.0 | 69.0 | FTB |
| Average | | 69.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-17

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 58.7 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| 2 | 67.6 | SE1 FTB | < 10 | 53.6 | SE1 FTB | < 10 |
| 3 | 60.8 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| 4 | 62.7 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 5 | 67.4 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| Average | 63.4 | | | 58.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.5 | FTB |
| 2 | 1.0 | 77.0 | FTB |
| 3 | 1.0 | 69.2 | FTB |
| 4 | 1.0 | 78.8 | FTB |
| 5 | 1.0 | 80.0 | FTB |
| Average | | 75.5 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-18

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.1 | SE1 FTB | < 10 | 66.3 | SE1 FTB | < 10 |
| 2 | 68.7 | SE1 FTB | < 10 | 65.1 | SE1 FTB | < 10 |
| 3 | 63.4 | SE1 FTB | < 10 | 72.0 | SE1 FTB | < 10 |
| 4 | 64.1 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 5 | 63.2 | SE1 FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| Average | 64.7 | | | 67.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 83.5 | FTB |
| 2 | 1.0 | 83.1 | FTB |
| 3 | 1.0 | 76.0 | FTB |
| 4 | 1.0 | 76.2 | FTB |
| 5 | 1.0 | 76.2 | FTB |
| Average | | 79.0 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-19

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 72.6 | SE1 FTB | < 10 | 72.9 | SE1 FTB | < 10 |
| 2 | 65.6 | SE1 FTB | < 10 | 54.8 | SE1 FTB | < 10 |
| 3 | 65.0 | SE1 FTB | < 10 | 67.6 | SE1 FTB | < 10 |
| 4 | 69.2 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 5 | 66.5 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| Average | 67.8 | | | 64.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 91.7 | FTB |
| 2 | 1.0 | 82.8 | FTB |
| 3 | 1.0 | 84.3 | FTB |
| 4 | 1.0 | 82.1 | FTB |
| 5 | 1.0 | 84.7 | FTB |
| Average | | 85.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-20

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 70.7 | SE1 FTB | < 10 | 61.0 | SE1 FTB | < 10 |
| 2 | 67.7 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 3 | 56.4 | SE1 FTB | < 10 | 64.4 | SE1 FTB | < 10 |
| 4 | 65.5 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 5 | 68.0 | SE1 FTB | < 10 | 65.5 | SE1 FTB | < 10 |
| Average | 65.7 | | | 64.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 85.0 | FTB |
| 2 | 1.0 | 86.6 | FTB |
| 3 | 1.0 | 88.0 | FTB |
| 4 | 1.0 | 90.1 | FTB |
| 5 | 1.0 | 81.2 | FTB |
| Average | | 86.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-21

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.3 | SE1 FTB | < 10 | 70.0 | SE1 FTB | < 10 |
| 2 | 58.2 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| 3 | 58.7 | SE1 FTB | < 10 | 70.3 | SE1 FTB | < 10 |
| 4 | 59.7 | SE1 FTB | < 10 | 68.1 | SE1 FTB | < 10 |
| 5 | 62.4 | SE1 FTB | < 10 | 65.8 | SE1 FTB | < 10 |
| Average | 59.3 | | | 68.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.6 | FTB |
| 2 | 1.0 | 84.8 | FTB |
| 3 | 1.0 | 71.1 | FTB |
| 4 | 1.0 | 70.3 | FTB |
| 5 | 1.0 | 75.1 | FTB |
| Average | | 75.0 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-22

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 70.6 | SE1 FTB | < 10 | 73.6 | SE1 FTB | < 10 |
| 2 | 68.1 | SE1 FTB | < 10 | 72.5 | SE1 FTB | < 10 |
| 3 | 67.4 | SE1 FTB | < 10 | 72.0 | SE1 FTB | < 10 |
| 4 | 75.5 | SE1 FTB | < 10 | 70.3 | SE1 FTB | < 10 |
| 5 | 68.7 | SE1 FTB | < 10 | 72.0 | SE1 FTB | < 10 |
| Average | 70.1 | | | 72.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.0 | FTB |
| 2 | 1.0 | 82.2 | FTB |
| 3 | 1.0 | 75.7 | FTB |
| 4 | 1.0 | 77.7 | FTB |
| 5 | 1.0 | 81.6 | FTB |
| Average | | 78.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-23

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 66.6 | SE1 FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 2 | 74.7 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 3 | 70.0 | SE1 FTB | < 10 | 71.4 | SE1 FTB | < 10 |
| 4 | 76.5 | SE1 FTB | < 10 | 73.2 | SE1 FTB | < 10 |
| 5 | 59.1 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| Average | 69.4 | | | 67.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.3 | FTB |
| 2 | 1.0 | 83.7 | FTB |
| 3 | 1.0 | 77.7 | FTB |
| 4 | 1.0 | 79.0 | FTB |
| 5 | 1.0 | 82.1 | FTB |
| Average | | 81.0 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-24

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 73.2 | SE1 FTB | < 10 | 68.5 | SE1 FTB | < 10 |
| 2 | 74.3 | SE1 FTB | < 10 | 67.6 | SE1 FTB | < 10 |
| 3 | 71.6 | SE1 FTB | < 10 | 66.5 | SE1 FTB | < 10 |
| 4 | 72.0 | SE1 FTB | < 10 | 65.7 | SE1 FTB | < 10 |
| 5 | 73.2 | SE1 FTB | < 10 | 67.6 | SE1 FTB | < 10 |
| Average | 72.9 | | | 67.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.0 | FTB |
| 2 | 1.0 | 77.5 | FTB |
| 3 | 1.0 | 75.7 | FTB |
| 4 | 1.0 | 63.2 | FTB |
| 5 | 1.0 | 76.9 | FTB |
| Average | | 74.5 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-25

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.6 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 2 | 71.0 | SE1 FTB | < 10 | 69.9 | SE1 FTB | < 10 |
| 3 | 69.5 | SE1 FTB | < 10 | 68.3 | SE1 FTB | < 10 |
| 4 | 69.9 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| 5 | 70.5 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| Average | 69.7 | | | 67.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.2 | FTB |
| 2 | 1.0 | 78.9 | FTB |
| 3 | 1.0 | 79.1 | FTB |
| 4 | 1.0 | 78.5 | FTB |
| 5 | 1.0 | 77.7 | FTB |
| Average | | 78.5 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-06
Date Tested: 7/7/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-26

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 74.3 | SE1 FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 2 | 71.3 | SE1 FTB | < 10 | 68.7 | SE1 FTB | < 10 |
| 3 | 72.0 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| 4 | 73.7 | SE1 FTB | < 10 | 70.0 | SE1 FTB | < 10 |
| 5 | 72.4 | SE1 FTB | < 10 | 69.6 | SE1 FTB | < 10 |
| Average | 72.7 | | | 69.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.3 | FTB |
| 2 | 1.0 | 74.3 | FTB |
| 3 | 1.0 | 75.7 | FTB |
| 4 | 1.0 | 80.6 | FTB |
| 5 | 1.0 | 76.7 | FTB |
| Average | | 76.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-07
Date Tested: 7/10/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-27

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.1 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 2 | 70.5 | SE1 FTB | < 10 | 59.9 | SE1 FTB | < 10 |
| 3 | 68.2 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| 4 | 67.9 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 5 | 71.5 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| Average | 68.8 | | | 62.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.2 | FTB |
| 2 | 1.0 | 89.0 | FTB |
| 3 | 1.0 | 72.7 | FTB |
| 4 | 1.0 | 85.2 | FTB |
| 5 | 1.0 | 76.9 | FTB |
| Average | | 80.4 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-07
Date Tested: 7/10/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-28

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.1 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 2 | 67.5 | SE1 FTB | < 10 | 64.7 | SE1 FTB | < 10 |
| 3 | 66.8 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 4 | 71.0 | SE1 FTB | < 10 | 59.1 | SE1 FTB | < 10 |
| 5 | 69.2 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| Average | 67.9 | | | 62.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 83.5 | FTB |
| 2 | 1.0 | 80.9 | FTB |
| 3 | 1.0 | 85.4 | FTB |
| 4 | 1.0 | 84.2 | FTB |
| 5 | 1.0 | 83.6 | FTB |
| Average | | 83.5 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-07
Date Tested: 7/10/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-29

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 68.5 | SE1 FTB | < 10 | 59.7 | SE1 FTB | < 10 |
| 2 | 58.6 | SE1 FTB | < 10 | 66.2 | SE1 FTB | < 10 |
| 3 | 67.2 | SE1 FTB | < 10 | 60.4 | SE1 FTB | < 10 |
| 4 | 54.6 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 5 | 69.4 | SE1 FTB | < 10 | 62.2 | SE1 FTB | < 10 |
| Average | 63.7 | | | 62.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.8 | FTB |
| 2 | 1.0 | 69.9 | FTB |
| 3 | 1.0 | 72.2 | FTB |
| 4 | 1.0 | 83.2 | FTB |
| 5 | 1.0 | 80.2 | FTB |
| Average | | 77.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-07
Date Tested: 7/10/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-30

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 67.6 | SE1 FTB | < 10 | 56.6 | SE1 FTB | < 10 |
| 2 | 67.0 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 3 | 73.5 | SE1 FTB | < 10 | 55.3 | SE1 FTB | < 10 |
| 4 | 70.5 | SE1 FTB | < 10 | 66.3 | SE1 FTB | < 10 |
| 5 | 72.7 | SE1 FTB | < 10 | 50.2 | SE1 FTB | < 10 |
| Average | 70.3 | | | 57.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 84.8 | FTB |
| 2 | 1.0 | 85.3 | FTB |
| 3 | 1.0 | 75.8 | FTB |
| 4 | 1.0 | 71.0 | FTB |
| 5 | 1.0 | 79.4 | FTB |
| Average | | 79.3 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-07
Date Tested: 7/10/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-31

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.6 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 2 | 61.9 | SE1 FTB | < 10 | 53.4 | SE1 FTB | < 10 |
| 3 | 58.8 | SE1 FTB | < 10 | 59.8 | SE1 FTB | < 10 |
| 4 | 64.5 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 5 | 55.3 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| Average | 60.8 | | | 58.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.8 | FTB |
| 2 | 1.0 | 67.2 | FTB |
| 3 | 1.0 | 80.6 | FTB |
| 4 | 1.0 | 83.2 | FTB |
| 5 | 1.0 | 63.3 | FTB |
| Average | | 72.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-07
Date Tested: 7/10/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-32

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 68.8 | SE1 FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| 2 | 61.5 | SE1 FTB | < 10 | 72.7 | SE1 FTB | < 10 |
| 3 | 71.2 | SE1 FTB | < 10 | 71.7 | SE1 FTB | < 10 |
| 4 | 71.8 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| 5 | 67.4 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| Average | 68.1 | | | 68.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 88.3 | FTB |
| 2 | 1.0 | 77.4 | FTB |
| 3 | 1.0 | 72.0 | FTB |
| 4 | 1.0 | 74.7 | FTB |
| 5 | 1.0 | 72.3 | FTB |
| Average | | 76.9 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-09
Date Tested: 7/11/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-33

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 93.2 | SE1 FTB | < 10 |
| 2 | 1.0 | 96.7 | SE1 FTB | < 10 |
| 3 | 1.0 | 92.8 | SE1 FTB | < 10 |
| 4 | 1.0 | 90.8 | SE1 FTB | < 10 |
| 5 | 1.0 | 82.9 | SE1 FTB | < 10 |
| Average | | 91.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 98.2 | FTB |
| 2 | 1.0 | 91.7 | FTB |
| 3 | 1.0 | 97.7 | FTB |
| 4 | 1.0 | 104.3 | FTB |
| 5 | 1.0 | 88.2 | FTB |
| Average | | 96.0 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-11
Date Tested: 7/17/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-34

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 55.7 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 2 | 49.7 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| 3 | 56.9 | SE1 FTB | < 10 | 65.7 | SE1 FTB | < 10 |
| 4 | 59.6 | SE1 FTB | < 10 | 55.7 | SE1 FTB | < 10 |
| 5 | 63.4 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| Average | 57.1 | | | 61.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.5 | FTB |
| 2 | 1.0 | 67.9 | FTB |
| 3 | 1.0 | 73.8 | FTB |
| 4 | 1.0 | 84.6 | FTB |
| 5 | 1.0 | 84.6 | FTB |
| Average | | 78.3 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-11
Date Tested: 7/17/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-35

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.5 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 2 | 66.8 | SE1 FTB | < 10 | 53.2 | SE1 FTB | < 10 |
| 3 | 56.8 | SE1 FTB | < 10 | 53.5 | SE1 FTB | < 10 |
| 4 | 48.8 | SE1 FTB | < 10 | 54.9 | SE1 FTB | < 10 |
| 5 | 50.8 | SE1 FTB | < 10 | 56.6 | SE1 FTB | < 10 |
| Average | 56.9 | | | 55.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.1 | FTB |
| 2 | 1.0 | 79.2 | FTB |
| 3 | 1.0 | 78.8 | FTB |
| 4 | 1.0 | 78.9 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 78.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-12
Date Tested: 7/17/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-36

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 56.5 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| 2 | 64.7 | SE1 FTB | < 10 | 72.5 | SE1 FTB | < 10 |
| 3 | 57.2 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| 4 | 62.5 | SE1 FTB | < 10 | 68.8 | SE1 FTB | < 10 |
| 5 | 57.3 | SE1 FTB | < 10 | 58.7 | SE1 FTB | < 10 |
| Average | 59.6 | | | 64.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 81.3 | FTB |
| 2 | 1.0 | 79.5 | FTB |
| 3 | 1.0 | 77.1 | FTB |
| 4 | 1.0 | 80.3 | FTB |
| 5 | 1.0 | 84.9 | FTB |
| Average | | 80.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-12
Date Tested: 7/17/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-37

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 55.0 | SE1 FTB | < 10 | 66.3 | SE1 FTB | < 10 |
| 2 | 56.5 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 3 | 66.3 | SE1 FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 4 | 60.2 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 5 | 56.7 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| Average | 58.9 | | | 64.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.5 | FTB |
| 2 | 1.0 | 67.7 | FTB |
| 3 | 1.0 | 70.9 | FTB |
| 4 | 1.0 | 74.8 | FTB |
| 5 | 1.0 | 76.4 | FTB |
| Average | | 72.3 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-12
Date Tested: 7/17/95
Technician: T.M.
Machine: ATS-900B/1105

## SAMPLE NO. DS-38

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.3 | SE1 FTB | < 10 | 60.7 | SE1 FTB | < 10 |
| 2 | 67.8 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 3 | 64.1 | SE1 FTB | < 10 | 59.8 | SE1 FTB | < 10 |
| 4 | 66.2 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 5 | 60.0 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| Average | 63.9 | | | 61.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 85.5 | FTB |
| 2 | 1.0 | 75.8 | FTB |
| 3 | 1.0 | 76.9 | FTB |
| 4 | 1.0 | 80.3 | FTB |
| 5 | 1.0 | 82.3 | FTB |
| Average | | 80.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-13
Date Tested: 7/27/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-39

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 70.0 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| 2 | 71.3 | SE1 FTB | < 10 | 71.4 | SE1 FTB | < 10 |
| 3 | 59.8 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| 4 | 63.8 | SE1 FTB | < 10 | 73.5 | SE1 FTB | < 10 |
| 5 | 72.2 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| Average | 67.4 | | | 68.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.8 | FTB |
| 2 | 1.0 | 70.6 | FTB |
| 3 | 1.0 | 81.7 | FTB |
| 4 | 1.0 | 77.5 | FTB |
| 5 | 1.0 | 76.1 | FTB |
| Average | | 76.3 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-13
Date Tested: 7/27/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-40

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 65.3 | SE1 FTB | < 10 | 70.7 | SE1 FTB | < 10 |
| 2 | 58.2 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| 3 | 67.5 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 4 | 60.9 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| 5 | 68.3 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| Average | 64.0 | | | 66.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.5 | FTB |
| 2 | 1.0 | 74.4 | FTB |
| 3 | 1.0 | 76.0 | FTB |
| 4 | 1.0 | 74.2 | FTB |
| 5 | 1.0 | 74.3 | FTB |
| Average | | 73.9 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-13
Date Tested: 7/27/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-41

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 70.5 | SE1 FTB | < 10 | 55.8 | SE1 FTB | < 10 |
| 2 | 59.4 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| 3 | 61.0 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| 4 | 64.8 | SE1 FTB | < 10 | 70.3 | SE1 FTB | < 10 |
| 5 | 67.1 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| Average | 64.6 | | | 65.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.0 | FTB |
| 2 | 1.0 | 84.0 | FTB |
| 3 | 1.0 | 75.7 | FTB |
| 4 | 1.0 | 72.8 | FTB |
| 5 | 1.0 | 75.2 | FTB |
| Average | | 75.5 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-13
Date Tested: 7/27/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-42

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.0 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 2 | 61.6 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| 3 | 63.2 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| 4 | 66.0 | SE1 FTB | < 10 | 63.6 | SE1 FTB | < 10 |
| 5 | 58.3 | SE1 FTB | < 10 | 65.1 | SE1 FTB | < 10 |
| Average | 61.8 | | | 64.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 81.1 | FTB |
| 2 | 1.0 | 81.5 | FTB |
| 3 | 1.0 | 82.8 | FTB |
| 4 | 1.0 | 85.7 | FTB |
| 5 | 1.0 | 83.4 | FTB |
| Average | | 82.9 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-14
Date Tested: 7/31/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-43

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.3 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| 2 | 61.8 | SE1 FTB | < 10 | 54.7 | SE1 FTB | < 10 |
| 3 | 56.2 | SE1 FTB | < 10 | 58.7 | SE1 FTB | < 10 |
| 4 | 63.9 | SE1 FTB | < 10 | 57.9 | SE1 FTB | < 10 |
| 5 | 66.3 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| Average | 62.3 | | | 60.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.6 | FTB |
| 2 | 1.0 | 78.2 | FTB |
| 3 | 1.0 | 76.1 | FTB |
| 4 | 1.0 | 75.1 | FTB |
| 5 | 1.0 | 82.4 | FTB |
| Average | | 77.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-14
Date Tested: 7/31/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-44

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.8 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| 2 | 62.0 | SE1 FTB | < 10 | 65.8 | SE1 FTB | < 10 |
| 3 | 59.0 | SE1 FTB | < 10 | 54.1 | SE1 FTB | < 10 |
| 4 | 69.8 | SE1 FTB | < 10 | 68.5 | SE1 FTB | < 10 |
| 5 | 55.5 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| Average | 60.8 | | | 64.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.3 | FTB |
| 2 | 1.0 | 77.9 | FTB |
| 3 | 1.0 | 76.9 | FTB |
| 4 | 1.0 | 73.1 | FTB |
| 5 | 1.0 | 74.9 | FTB |
| Average | | 74.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-14
Date Tested: 7/31/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-45

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.5 | SE1 FTB | < 10 | 55.6 | AD NON-FTB | 100 |
| 2 | 45.6 | AD NON-FTB | 100 | 59.5 | SE1 FTB | < 10 |
| 3 | 64.3 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| 4 | 60.9 | SE1 FTB | < 10 | 49.4 | AD-BRK FTB | 60 |
| 5 | 58.8 | AD-BRK FTB | 75 | 57.2 | SE1 FTB | < 10 |
| Average | 57.2 | | | 56.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.8 | FTB |
| 2 | 1.0 | 74.7 | FTB |
| 3 | 1.0 | 75.6 | FTB |
| 4 | 1.0 | 80.0 | FTB |
| 5 | 1.0 | 75.1 | FTB |
| Average | | 75.4 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-16
Date Tested: 8/2/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-45A

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 67.5 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| 2 | 70.9 | SE1 FTB | < 10 | 72.2 | SE1 FTB | < 10 |
| 3 | 62.0 | SE1 FTB | < 10 | 73.8 | SE1 FTB | < 10 |
| 4 | 68.1 | SE1 FTB | < 10 | 64.4 | SE1 FTB | < 10 |
| 5 | 61.7 | SE1 FTB | < 10 | 70.1 | SE1 FTB | < 10 |
| Average | 66.0 | | | 69.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.5 | FTB |
| 2 | 1.0 | 79.2 | FTB |
| 3 | 1.0 | 76.2 | FTB |
| 4 | 1.0 | 78.2 | FTB |
| 5 | 1.0 | 68.4 | FTB |
| Average | | 76.9 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-16
Date Tested: 8/2/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-45B

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.5 | SE1 FTB | < 10 | 69.5 | SE1 FTB | < 10 |
| 2 | 63.6 | SE1 FTB | < 10 | 68.2 | SE1 FTB | < 10 |
| 3 | 63.1 | SE1 FTB | < 10 | 70.3 | SE1 FTB | < 10 |
| 4 | 64.2 | SE1 FTB | < 10 | 63.9 | SE1 FTB | < 10 |
| 5 | 63.9 | SE1 FTB | < 10 | 65.8 | SE1 FTB | < 10 |
| Average | 63.9 | | | 67.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.2 | FTB |
| 2 | 1.0 | 63.9 | FTB |
| 3 | 1.0 | 77.5 | FTB |
| 4 | 1.0 | 74.6 | FTB |
| 5 | 1.0 | 69.9 | FTB |
| Average | | 72.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G
Machine: ATS-900B/1105

## SAMPLE NO. DS-45B1

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 55.1 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| 2 | 60.8 | SE1 FTB | < 10 | 59.0 | AD-BRK FTB | 60 |
| 3 | 63.1 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| 4 | 56.9 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 5 | 52.8 | AD-BRK FTB | 40 | 62.4 | SE1 FTB | < 10 |
| Average | 57.7 | | | 62.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.9 | FTB |
| 2 | 1.0 | 72.7 | FTB |
| 3 | 1.0 | 74.3 | FTB |
| 4 | 1.0 | 77.5 | FTB |
| 5 | 1.0 | 76.6 | FTB |
| Average | | 76.0 | |

DS45B1R

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-14
Date Tested: 7/31/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-46

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.7 | SE1 FTB | < 10 | 69.1 | SE1 FTB | < 10 |
| 2 | 62.5 | SE1 FTB | < 10 | 69.5 | SE1 FTB | < 10 |
| 3 | 62.3 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| 4 | 66.0 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 5 | 66.2 | SE1 FTB | < 10 | 68.2 | SE1 FTB | < 10 |
| Average | 64.1 | | | 67.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.0 | FTB |
| 2 | 1.0 | 73.5 | FTB |
| 3 | 1.0 | 79.5 | FTB |
| 4 | 1.0 | 80.4 | FTB |
| 5 | 1.0 | 74.4 | FTB |
| Average | | 77.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-14
Date Tested: 7/31/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-47

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.8 | SE1 FTB | < 10 | 63.6 | SE1 FTB | < 10 |
| 2 | 57.7 | SE1 FTB | < 10 | 56.9 | AD-BRK FTB | 95 |
| 3 | 60.0 | SE1 FTB | < 10 | 69.9 | SE1 FTB | < 10 |
| 4 | 61.6 | SE1 FTB | < 10 | 64.7 | SE1 FTB | < 10 |
| 5 | 54.8 | AD NON-FTB | 100 | 71.8 | SE1 FTB | < 10 |
| Average | 59.4 | | | 65.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.2 | FTB |
| 2 | 1.0 | 67.5 | FTB |
| 3 | 1.0 | 76.2 | FTB |
| 4 | 1.0 | 73.3 | FTB |
| 5 | 1.0 | 86.8 | FTB |
| Average | | 76.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-16
Date Tested: 8/2/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-47A

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 69.8 | SE1 FTB | < 10 | 70.2 | SE1 FTB | < 10 |
| 2 | 53.9 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| 3 | 64.6 | SE1 FTB | < 10 | 66.2 | SE1 FTB | < 10 |
| 4 | 57.5 | SE1 FTB | < 10 | 57.0 | SE1 FTB | < 10 |
| 5 | 62.5 | SE1 FTB | < 10 | 68.6 | SE1 FTB | < 10 |
| Average | 61.7 | | | 63.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.5 | FTB |
| 2 | 1.0 | 70.7 | FTB |
| 3 | 1.0 | 74.2 | FTB |
| 4 | 1.0 | 71.2 | FTB |
| 5 | 1.0 | 75.4 | FTB |
| Average | | 74.0 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-19
Date Tested: 8/9/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-47B

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.7 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 2 | 56.8 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 68.9 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 4 | 61.2 | SE1 FTB | < 10 | 72.2 | SE1 FTB | < 10 |
| 5 | 70.7 | SE1 FTB | < 10 | 69.8 | SE1 FTB | < 10 |
| Average | 63.7 | | | 65.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 83.7 | FTB |
| 2 | 1.0 | 81.4 | FTB |
| 3 | 1.0 | 72.2 | FTB |
| 4 | 1.0 | 74.9 | FTB |
| 5 | 1.0 | 83.3 | FTB |
| Average | | 79.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-15
Date Tested: 8/1/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-48

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 69.1 | SE3 FTB | < 10 |
| 2 | 1.0 | 67.4 | SE3 FTB | < 10 |
| 3 | 1.0 | 79.5 | SE3 FTB | < 10 |
| 4 | 1.0 | 73.6 | SE3 FTB | < 10 |
| 5 | 1.0 | 70.2 | SE3 FTB | < 10 |
| Average | | 72.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.3 | FTB |
| 2 | 1.0 | 73.0 | FTB |
| 3 | 1.0 | 78.1 | FTB |
| 4 | 1.0 | 68.5 | FTB |
| 5 | 1.0 | 75.6 | FTB |
| Average | | 74.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-15
Date Tested: 8/1/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-49

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 69.8 | SE1 FTB | < 10 | 63.5 | SE1 FTB | < 10 |
| 2 | 60.6 | SE1 FTB | < 10 | 70.5 | SE1 FTB | < 10 |
| 3 | 68.3 | SE1 FTB | < 10 | 71.2 | SE1 FTB | < 10 |
| 4 | 65.2 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 5 | 59.2 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| Average | 64.6 | | | 65.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.5 | FTB |
| 2 | 1.0 | 79.8 | FTB |
| 3 | 1.0 | 78.2 | FTB |
| 4 | 1.0 | 77.6 | FTB |
| 5 | 1.0 | 73.6 | FTB |
| Average | | 76.9 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-15
Date Tested: 8/1/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-50

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.3 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| 2 | 70.2 | SE1 FTB | < 10 | 71.2 | SE1 FTB | < 10 |
| 3 | 58.0 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 4 | 64.5 | SE1 FTB | < 10 | 70.2 | SE1 FTB | < 10 |
| 5 | 67.9 | SE1 FTB | < 10 | 68.7 | SE1 FTB | < 10 |
| Average | 64.8 | | | 67.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.3 | FTB |
| 2 | 1.0 | 80.0 | FTB |
| 3 | 1.0 | 79.1 | FTB |
| 4 | 1.0 | 78.7 | FTB |
| 5 | 1.0 | 77.2 | FTB |
| Average | | 79.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-15
Date Tested: 8/1/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-51

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.8 | SE1 FTB | < 10 | 71.7 | SE1 FTB | < 10 |
| 2 | 61.8 | SE1 FTB | < 10 | 68.8 | SE1 FTB | < 10 |
| 3 | 56.9 | SE1 FTB | < 10 | 66.3 | SE1 FTB | < 10 |
| 4 | 63.2 | SE1 FTB | < 10 | 68.9 | SE1 FTB | < 10 |
| 5 | 55.0 | AD-BRK FTB | 60 | 72.0 | SE1 FTB | < 10 |
| Average | 59.7 | | | 69.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.5 | FTB |
| 2 | 1.0 | 74.4 | FTB |
| 3 | 1.0 | 72.7 | FTB |
| 4 | 1.0 | 73.4 | FTB |
| 5 | 1.0 | 71.3 | FTB |
| Average | | 72.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-15
Date Tested: 8/1/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-52

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 58.5 | SE1 FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| 2 | 60.3 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 3 | 58.5 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 4 | 66.4 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| 5 | 55.2 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| Average | 59.8 | | | 65.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.9 | FTB |
| 2 | 1.0 | 72.9 | FTB |
| 3 | 1.0 | 73.7 | FTB |
| 4 | 1.0 | 74.3 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 74.1 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-16
Date Tested: 8/2/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-53

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.7 | SE1 FTB | < 10 | 72.0 | SE1 FTB | < 10 |
| 2 | 61.4 | SE1 FTB | < 10 | 69.2 | SE1 FTB | < 10 |
| 3 | 65.2 | SE1 FTB | < 10 | 70.9 | SE1 FTB | < 10 |
| 4 | 64.0 | SE1 FTB | < 10 | 69.5 | SE1 FTB | < 10 |
| 5 | 71.6 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| Average | 65.2 | | | 69.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.4 | FTB |
| 2 | 1.0 | 82.9 | FTB |
| 3 | 1.0 | 70.6 | FTB |
| 4 | 1.0 | 71.1 | FTB |
| 5 | 1.0 | 77.8 | FTB |
| Average | | 75.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-16
Date Tested: 8/2/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-54

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.8 | SE1 FTB | < 10 | 72.1 | SE1 FTB | < 10 |
| 2 | 69.2 | SE1 FTB | < 10 | 65.3 | SE1 FTB | < 10 |
| 3 | 80.0 | SE1 FTB | < 10 | 69.9 | SE1 FTB | < 10 |
| 4 | 63.7 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 5 | 59.6 | SE1 FTB | < 10 | 74.8 | SE1 FTB | < 10 |
| Average | 67.9 | | | 69.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 81.8 | FTB |
| 2 | 1.0 | 77.7 | FTB |
| 3 | 1.0 | 85.9 | FTB |
| 4 | 1.0 | 80.8 | FTB |
| 5 | 1.0 | 82.3 | FTB |
| Average | | 81.7 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-16
Date Tested: 8/2/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-55

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 58.8 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| 2 | 58.0 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 3 | 59.9 | SE1 FTB | < 10 | 65.4 | SE1 FTB | < 10 |
| 4 | 71.1 | SE1 FTB | < 10 | 69.1 | SE1 FTB | < 10 |
| 5 | 67.5 | SE1 FTB | < 10 | 71.3 | SE1 FTB | < 10 |
| Average | 63.1 | | | 67.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.4 | FTB |
| 2 | 1.0 | 71.9 | FTB |
| 3 | 1.0 | 64.5 | FTB |
| 4 | 1.0 | 76.7 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 72.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-56A

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 65.0 | SE1 FTB | < 10 | 65.5 | SE1 FTB | < 10 |
| 2 | 63.9 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| 3 | 60.5 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| 4 | 66.0 | SE1 FTB | < 10 | 70.8 | SE1 FTB | < 10 |
| 5 | 57.6 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| Average | 62.6 | | | 66.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.0 | FTB |
| 2 | 1.0 | 77.8 | FTB |
| 3 | 1.0 | 62.9 | FTB |
| 4 | 1.0 | 75.0 | FTB |
| 5 | 1.0 | 74.3 | FTB |
| Average | | 73.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-56B

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 55.2 | SE1 FTB | < 10 | 66.2 | SE1 FTB | < 10 |
| 2 | 62.0 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 3 | 49.6 | AD-BRK FTB | 60 | 62.3 | SE1 FTB | < 10 |
| 4 | 57.5 | SE1 FTB | < 10 | 52.7 | AD-BRK FTB | 60 |
| 5 | 54.6 | AD-BRK FTB | 90 | 58.3 | SE1 FTB | < 10 |
| Average | 55.8 | | | 60.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.8 | FTB |
| 2 | 1.0 | 80.5 | FTB |
| 3 | 1.0 | 75.4 | FTB |
| 4 | 1.0 | 72.0 | FTB |
| 5 | 1.0 | 75.7 | FTB |
| Average | | 76.3 | |

# PEEL AND SHEAR TEST RESULTS
*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-1B
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

SAMPLE NO. DS-56B1

## Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 70.0 | SE1 FTB | < 10 | 73.5 | SE1 FTB | < 10 |
| 2 | 67.5 | SE1 FTB | < 10 | 57.2 | SE1 FTB | < 10 |
| 3 | 67.0 | SE1 FTB | < 10 | 70.8 | SE1 FTB | < 10 |
| 4 | 69.8 | SE1 FTB | < 10 | 66.9 | SE1 FTB | < 10 |
| 5 | 68.9 | SE1 FTB | < 10 | 73.0 | SE1 FTB | < 10 |
| Average | 68.6 | | | 68.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.2 | FTB |
| 2 | 1.0 | 79.2 | FTB |
| 3 | 1.0 | 80.2 | FTB |
| 4 | 1.0 | 86.4 | FTB |
| 5 | 1.0 | 81.6 | FTB |
| Average | | 81.9 | |

DS56B1R

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-57

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 70.7 | SE1 FTB | < 10 | 65.7 | SE1 FTB | < 10 |
| 2 | 73.5 | SE1 FTB | < 10 | 66.0 | AD-BRK FTB | 30 |
| 3 | 60.4 | SE1 FTB | < 10 | 58.6 | SE1 FTB | < 10 |
| 4 | 65.7 | SE1 FTB | < 10 | 73.3 | SE1 FTB | < 10 |
| 5 | 68.4 | SE1 FTB | < 10 | 71.6 | SE1 FTB | < 10 |
| Average | 67.7 | | | 67.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.8 | FTB |
| 2 | 1.0 | 81.3 | FTB |
| 3 | 1.0 | 84.1 | FTB |
| 4 | 1.0 | 82.2 | FTB |
| 5 | 1.0 | 79.6 | FTB |
| Average | | 80.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-58

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 56.4 | AD-BRK FTB | 40 | 64.2 | SE1 FTB | < 10 |
| 2 | 61.3 | SE1 FTB | < 10 | 73.0 | SE1 FTB | < 10 |
| 3 | 66.8 | SE1 FTB | < 10 | 74.0 | SE1 FTB | < 10 |
| 4 | 69.2 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| 5 | 66.5 | SE1 FTB | < 10 | 67.4 | SE1 FTB | < 10 |
| Average | 64.0 | | | 68.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.2 | FTB |
| 2 | 1.0 | 74.2 | FTB |
| 3 | 1.0 | 80.3 | FTB |
| 4 | 1.0 | 78.0 | FTB |
| 5 | 1.0 | 74.5 | FTB |
| Average | | 76.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-59

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 67.1 | SE1 FTB | < 10 | 66.6 | SE1 FTB | < 10 |
| 2 | 69.1 | SE1 FTB | < 10 | 68.0 | SE1 FTB | < 10 |
| 3 | 67.9 | SE1 FTB | < 10 | 71.5 | SE1 FTB | < 10 |
| 4 | 64.5 | SE1 FTB | < 10 | 60.7 | AD-BRK FTB | 20 |
| 5 | 70.5 | SE1 FTB | < 10 | 67.4 | SE1 FTB | < 10 |
| Average | 67.8 | | | 66.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.3 | FTB |
| 2 | 1.0 | 82.8 | FTB |
| 3 | 1.0 | 66.0 | FTB |
| 4 | 1.0 | 76.3 | FTB |
| 5 | 1.0 | 66.7 | FTB |
| Average | | 73.8 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-60

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.7 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| 2 | 60.2 | SE1 FTB | < 10 | 72.1 | SE1 FTB | < 10 |
| 3 | 71.9 | SE1 FTB | < 10 | 66.4 | SE1 FTB | < 10 |
| 4 | 57.4 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 5 | 75.5 | SE1 FTB | < 10 | 74.2 | SE1 FTB | < 10 |
| Average | 65.7 | | | 69.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.2 | FTB |
| 2 | 1.0 | 66.2 | FTB |
| 3 | 1.0 | 70.2 | FTB |
| 4 | 1.0 | 65.1 | FTB |
| 5 | 1.0 | 73.2 | FTB |
| Average | | 70.6 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-17
Date Tested: 8/4/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-61

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 59.7 | AD-BRK FTB | 10 |
| 2 | 1.0 | 58.9 | AD-BRK FTB | 20 |
| 3 | 1.0 | 63.7 | SE1 FTB | < 10 |
| 4 | 1.0 | 72.5 | SE1 FTB | < 10 |
| 5 | 1.0 | 68.5 | SE1 FTB | < 10 |
| Average | | 64.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.8 | FTB |
| 2 | 1.0 | 70.6 | FTB |
| 3 | 1.0 | 73.0 | FTB |
| 4 | 1.0 | 81.0 | FTB |
| 5 | 1.0 | 77.1 | FTB |
| Average | | 74.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-62

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 73.3 | SE1 FTB | < 10 |
| 2 | 1.0 | 68.4 | SE1 FTB | < 10 |
| 3 | 1.0 | 64.8 | SE1 FTB | < 10 |
| 4 | 1.0 | 72.2 | SE1 FTB | < 10 |
| 5 | 1.0 | 70.5 | SE1 FTB | < 10 |
| Average | | 69.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.9 | FTB |
| 2 | 1.0 | 80.0 | FTB |
| 3 | 1.0 | 90.4 | FTB |
| 4 | 1.0 | 91.9 | FTB |
| 5 | 1.0 | 70.2 | FTB |
| Average | | 82.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-63

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.6 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| 2 | 53.9 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| 3 | 62.3 | SE1 FTB | < 10 | 59.1 | SE1 FTB | < 10 |
| 4 | 58.8 | SE1 FTB | < 10 | 56.1 | SE1 FTB | < 10 |
| 5 | 57.8 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| Average | 58.1 | | | 60.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.3 | FTB |
| 2 | 1.0 | 69.2 | FTB |
| 3 | 1.0 | 66.5 | FTB |
| 4 | 1.0 | 68.3 | FTB |
| 5 | 1.0 | 65.9 | FTB |
| Average | | 67.4 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-64

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.8 | SE1 FTB | < 10 | 65.3 | SE1 FTB | < 10 |
| 2 | 56.1 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 3 | 58.6 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 4 | 58.2 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 5 | 61.6 | SE1 FTB | < 10 | 66.9 | SE1 FTB | < 10 |
| Average | 60.3 | | | 63.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.5 | FTB |
| 2 | 1.0 | 70.9 | FTB |
| 3 | 1.0 | 69.2 | FTB |
| 4 | 1.0 | 66.3 | FTB |
| 5 | 1.0 | 64.8 | FTB |
| Average | | 67.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-65

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.1 | SE1 FTB | < 10 | 65.7 | SE1 FTB | < 10 |
| 2 | 71.8 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 3 | 72.0 | SE1 FTB | < 10 | 65.5 | SE1 FTB | < 10 |
| 4 | 70.3 | SE1 FTB | < 10 | 67.9 | SE1 FTB | < 10 |
| 5 | 67.0 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| Average | 68.2 | | | 66.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.9 | FTB |
| 2 | 1.0 | 76.9 | FTB |
| 3 | 1.0 | 81.0 | FTB |
| 4 | 1.0 | 78.2 | FTB |
| 5 | 1.0 | 68.2 | FTB |
| Average | | 76.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-66

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 58.3 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 2 | 61.1 | SE1 FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| 3 | 59.6 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| 4 | 60.3 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 5 | 61.5 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| Average | 60.2 | | | 62.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.9 | FTB |
| 2 | 1.0 | 68.2 | FTB |
| 3 | 1.0 | 68.0 | FTB |
| 4 | 1.0 | 69.5 | FTB |
| 5 | 1.0 | 67.0 | FTB |
| Average | | 68.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-67

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.3 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 2 | 62.6 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 3 | 57.2 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 4 | 53.3 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| 5 | 59.1 | SE1 FTB | < 10 | 66.6 | SE1 FTB | < 10 |
| Average | 57.7 | | | 63.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.1 | FTB |
| 2 | 1.0 | 76.2 | FTB |
| 3 | 1.0 | 70.3 | FTB |
| 4 | 1.0 | 71.4 | FTB |
| 5 | 1.0 | 72.8 | FTB |
| Average | | 72.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-18
Date Tested: 8/8/95
Technician: T.M./B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-68

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.0 | SE1 FTB | < 10 | 74.0 | SE1 FTB | < 10 |
| 2 | 64.7 | SE1 FTB | < 10 | 73.6 | SE1 FTB | < 10 |
| 3 | 64.1 | SE1 FTB | < 10 | 68.3 | SE1 FTB | < 10 |
| 4 | 53.7 | SE1 FTB | < 10 | 72.2 | SE1 FTB | < 10 |
| 5 | 63.0 | SE1 FTB | < 10 | 59.8 | SE1 FTB | < 10 |
| Average | 61.5 | | | 69.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.1 | FTB |
| 2 | 1.0 | 74.5 | FTB |
| 3 | 1.0 | 71.7 | FTB |
| 4 | 1.0 | 74.3 | FTB |
| 5 | 1.0 | 66.0 | FTB |
| Average | | 72.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-20
Date Tested: 8/10/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-69

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.7 | SE1 FTB | < 10 | 57.8 | SE1 FTB | < 10 |
| 2 | 56.3 | SE1 FTB | < 10 | 59.3 | SE1 FTB | < 10 |
| 3 | 64.3 | SE1 FTB | < 10 | 61.5 | SE1 FTB | < 10 |
| 4 | 59.2 | SE1 FTB | < 10 | 58.7 | SE1 FTB | < 10 |
| 5 | 57.3 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| Average | 58.8 | | | 60.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.5 | FTB |
| 2 | 1.0 | 68.7 | FTB |
| 3 | 1.0 | 73.4 | FTB |
| 4 | 1.0 | 64.7 | FTB |
| 5 | 1.0 | 70.8 | FTB |
| Average | | 69.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-20
Date Tested: 8/10/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-70

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 58.3 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 2 | 56.8 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| 3 | 63.7 | SE1 FTB | < 10 | 66.5 | SE1 FTB | < 10 |
| 4 | 60.3 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| 5 | 63.1 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| Average | 60.4 | | | 64.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.5 | FTB |
| 2 | 1.0 | 62.7 | FTB |
| 3 | 1.0 | 65.4 | FTB |
| 4 | 1.0 | 68.7 | FTB |
| 5 | 1.0 | 63.3 | FTB |
| Average | | 66.3 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-20
Date Tested: 8/10/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-71

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.5 | SE1 FTB | < 10 | 66.6 | SE1 FTB | < 10 |
| 2 | 60.7 | SE1 FTB | < 10 | 60.2 | SE1 FTB | < 10 |
| 3 | 60.5 | SE1 FTB | < 10 | 63.5 | SE1 FTB | < 10 |
| 4 | 60.0 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| 5 | 61.5 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| Average | 60.4 | | | 63.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.0 | FTB |
| 2 | 1.0 | 65.8 | FTB |
| 3 | 1.0 | 63.3 | FTB |
| 4 | 1.0 | 64.9 | FTB |
| 5 | 1.0 | 61.9 | FTB |
| Average | | 64.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-72

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.1 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| 2 | 62.9 | SE1 FTB | < 10 | 69.4 | SE1 FTB | < 10 |
| 3 | 61.1 | SE1 FTB | < 10 | 62.2 | SE1 FTB | < 10 |
| 4 | 53.3 | SE1 FTB | < 10 | 72.6 | SE1 FTB | < 10 |
| 5 | 59.3 | SE1 FTB | < 10 | 68.2 | SE1 FTB | < 10 |
| Average | 59.5 | | | 67.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 62.0 | FTB |
| 2 | 1.0 | 66.1 | FTB |
| 3 | 1.0 | 60.8 | FTB |
| 4 | 1.0 | 72.3 | FTB |
| 5 | 1.0 | 68.3 | FTB |
| Average | | 65.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-73

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.9 | SE1 FTB | < 10 | 71.7 | SE1 FTB | < 10 |
| 2 | 61.8 | SE1 FTB | < 10 | 71.1 | SE1 FTB | < 10 |
| 3 | 59.2 | SE1 FTB | < 10 | 70.5 | SE1 FTB | < 10 |
| 4 | 62.1 | SE1 FTB | < 10 | 66.7 | SE1 FTB | < 10 |
| 5 | 58.1 | SE1 FTB | < 10 | 70.9 | SE1 FTB | < 10 |
| Average | 60.4 | | | 70.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.2 | FTB |
| 2 | 1.0 | 80.2 | FTB |
| 3 | 1.0 | 77.7 | FTB |
| 4 | 1.0 | 75.3 | FTB |
| 5 | 1.0 | 71.6 | FTB |
| Average | | 75.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-74

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.8 | SE1 FTB | < 10 | 61.1 | SE1 FTB | < 10 |
| 2 | 64.3 | SE1 FTB | < 10 | 66.1 | SE1 FTB | < 10 |
| 3 | 64.5 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| 4 | 68.5 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 5 | 64.8 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| Average | 64.6 | | | 62.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.9 | FTB |
| 2 | 1.0 | 73.9 | FTB |
| 3 | 1.0 | 76.1 | FTB |
| 4 | 1.0 | 78.8 | FTB |
| 5 | 1.0 | 75.3 | FTB |
| Average | | 77.4 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-75

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 53.8 | SE1 FTB | < 10 | 58.8 | SE1 FTB | < 10 |
| 2 | 67.8 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| 3 | 59.1 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 4 | 66.2 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 5 | 51.5 | SE1 FTB | < 10 | 61.5 | SE1 FTB | < 10 |
| Average | 59.7 | | | 59.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.6 | FTB |
| 2 | 1.0 | 69.6 | FTB |
| 3 | 1.0 | 70.0 | FTB |
| 4 | 1.0 | 70.5 | FTB |
| 5 | 1.0 | 68.2 | FTB |
| Average | | 70.4 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-76

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.7 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 2 | 60.3 | SE1 FTB | < 10 | 67.4 | SE1 FTB | < 10 |
| 3 | 62.3 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 4 | 63.2 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 5 | 61.4 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| Average | 62.4 | | | 64.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.3 | FTB |
| 2 | 1.0 | 70.5 | FTB |
| 3 | 1.0 | 69.9 | FTB |
| 4 | 1.0 | 69.3 | FTB |
| 5 | 1.0 | 70.2 | FTB |
| Average | | 69.8 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-77

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 75.5 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 2 | 73.1 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| 3 | 62.8 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 4 | 65.5 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 5 | 68.6 | SE1 FTB | < 10 | 65.7 | SE1 FTB | < 10 |
| Average | 69.1 | | | 61.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.2 | FTB |
| 2 | 1.0 | 85.0 | FTB |
| 3 | 1.0 | 73.6 | FTB |
| 4 | 1.0 | 82.2 | FTB |
| 5 | 1.0 | 74.0 | FTB |
| Average | | 78.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-21
Date Tested: 8/11/95
Technician: T.M./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-78

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 51.8 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| 2 | 65.3 | SE1 FTB | < 10 | 54.6 | SE1 FTB | < 10 |
| 3 | 52.3 | SE1 FTB | < 10 | 66.6 | SE1 FTB | < 10 |
| 4 | 61.3 | SE1 FTB | < 10 | 67.6 | SE1 FTB | < 10 |
| 5 | 58.0 | SE1 FTB | < 10 | 69.2 | SE1 FTB | < 10 |
| Average | 57.7 | | | 63.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.9 | FTB |
| 2 | 1.0 | 72.5 | FTB |
| 3 | 1.0 | 70.1 | FTB |
| 4 | 1.0 | 70.5 | FTB |
| 5 | 1.0 | 69.8 | FTB |
| Average | | 70.4 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-22
Date Tested: 8/14/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-79

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 66.0 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 2 | 63.7 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 3 | 62.0 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 4 | 63.8 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| 5 | 60.4 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| Average | 63.2 | | | 63.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.6 | FTB |
| 2 | 1.0 | 66.2 | FTB |
| 3 | 1.0 | 65.8 | FTB |
| 4 | 1.0 | 72.3 | FTB |
| 5 | 1.0 | 69.9 | FTB |
| Average | | 68.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-22
Date Tested: 8/14/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-80

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.3 | SE1 FTB | < 10 | 68.2 | SE1 FTB | < 10 |
| 2 | 65.6 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 3 | 66.2 | SE1 FTB | < 10 | 66.3 | SE1 FTB | < 10 |
| 4 | 63.6 | SE1 FTB | < 10 | 67.4 | SE1 FTB | < 10 |
| 5 | 64.6 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| Average | 65.3 | | | 67.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.7 | FTB |
| 2 | 1.0 | 75.2 | FTB |
| 3 | 1.0 | 70.8 | FTB |
| 4 | 1.0 | 77.1 | FTB |
| 5 | 1.0 | 67.5 | FTB |
| Average | | 71.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-22
Date Tested: 8/14/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-81

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 67.6 | SE1 FTB | < 10 | 61.1 | SE1 FTB | < 10 |
| 2 | 65.3 | SE1 FTB | < 10 | 55.8 | SE1 FTB | < 10 |
| 3 | 67.2 | SE1 FTB | < 10 | 61.5 | SE1 FTB | < 10 |
| 4 | 66.6 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 5 | 67.1 | SE1 FTB | < 10 | 58.3 | SE1 FTB | < 10 |
| Average | 66.8 | | | 59.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.8 | FTB |
| 2 | 1.0 | 78.0 | FTB |
| 3 | 1.0 | 66.6 | FTB |
| 4 | 1.0 | 77.4 | FTB |
| 5 | 1.0 | 71.9 | FTB |
| Average | | 72.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-22
Date Tested: 8/14/95
Technician: B.D.
Machine: ATS-900B/1105

## SAMPLE NO. DS-82

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.0 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 2 | 62.6 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 3 | 62.3 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 4 | 63.8 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| 5 | 63.5 | SE1 FTB | < 10 | 59.5 | SE1 FTB | < 10 |
| Average | 62.4 | | | 61.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.0 | FTB |
| 2 | 1.0 | 64.0 | FTB |
| 3 | 1.0 | 64.9 | FTB |
| 4 | 1.0 | 68.0 | FTB |
| 5 | 1.0 | 65.1 | FTB |
| Average | | 66.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-23
Date Tested: 8/15/95
Technician: B.D./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-83

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.0 | SE1 FTB | < 10 | 53.8 | SE1 FTB | < 10 |
| 2 | 56.6 | SE1 FTB | < 10 | 51.9 | SE1 FTB | < 10 |
| 3 | 56.5 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| 4 | 58.3 | SE1 FTB | < 10 | 59.3 | SE1 FTB | < 10 |
| 5 | 62.7 | SE1 FTB | < 10 | 58.8 | SE1 FTB | < 10 |
| Average | 58.2 | | | 56.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.0 | FTB |
| 2 | 1.0 | 74.1 | FTB |
| 3 | 1.0 | 76.9 | FTB |
| 4 | 1.0 | 75.2 | FTB |
| 5 | 1.0 | 72.5 | FTB |
| Average | | 74.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-23
Date Tested: 8/15/95
Technician: B.D./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-84

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.1 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 2 | 61.2 | SE1 FTB | < 10 | 61.1 | SE1 FTB | < 10 |
| 3 | 56.6 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 4 | 60.0 | SE1 FTB | < 10 | 61.0 | SE1 FTB | < 10 |
| 5 | 59.7 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| Average | 59.7 | | | 61.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 60.4 | FTB |
| 2 | 1.0 | 66.2 | FTB |
| 3 | 1.0 | 63.8 | FTB |
| 4 | 1.0 | 64.9 | FTB |
| 5 | 1.0 | 62.3 | FTB |
| Average | | 63.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-23
Date Tested: 8/15/95
Technician: B.D./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-85

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.5 | SE1 FTB | < 10 | 57.6 | SE1 FTB | < 10 |
| 2 | 62.1 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 67.4 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 4 | 62.4 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 5 | 63.9 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| Average | 64.1 | | | 61.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.1 | FTB |
| 2 | 1.0 | 76.3 | FTB |
| 3 | 1.0 | 74.8 | FTB |
| 4 | 1.0 | 76.4 | FTB |
| 5 | 1.0 | 69.9 | FTB |
| Average | | 73.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-24
Date Tested: 8/16/95
Technician: T.M./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-86

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.1 | SE1 FTB | < 10 | 63.9 | SE1 FTB | < 10 |
| 2 | 61.8 | SE1 FTB | < 10 | 60.9 | SE1 FTB | < 10 |
| 3 | 63.1 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 4 | 64.0 | SE1 FTB | < 10 | 62.9 | SE1 FTB | < 10 |
| 5 | 62.3 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| Average | 62.7 | | | 63.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.6 | FTB |
| 2 | 1.0 | 74.6 | FTB |
| 3 | 1.0 | 70.5 | FTB |
| 4 | 1.0 | 79.0 | FTB |
| 5 | 1.0 | 71.7 | FTB |
| Average | | 73.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D–4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821–24
Date Tested: 8/16/95
Technician: T.M./C.T.
Machine: ATS–900B/1105

## SAMPLE NO. DS–87

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.1 | SE1 FTB | < 10 | 68.1 | SE1 FTB | < 10 |
| 2 | 68.2 | SE1 FTB | < 10 | 63.4 | SE1 FTB | < 10 |
| 3 | 56.7 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 4 | 57.0 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 5 | 60.3 | SE1 FTB | < 10 | 61.9 | SE1 FTB | < 10 |
| Average | 59.9 | | | 63.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.7 | FTB |
| 2 | 1.0 | 65.3 | FTB |
| 3 | 1.0 | 68.1 | FTB |
| 4 | 1.0 | 67.1 | FTB |
| 5 | 1.0 | 74.5 | FTB |
| Average | | 68.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-24
Date Tested: 8/16/95
Technician: T.M./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-88

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.7 | SE1 FTB | < 10 | 66.7 | SE1 FTB | < 10 |
| 2 | 65.3 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 3 | 60.2 | SE1 FTB | < 10 | 65.6 | SE1 FTB | < 10 |
| 4 | 64.6 | SE1 FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| 5 | 65.2 | SE1 FTB | < 10 | 65.4 | SE1 FTB | < 10 |
| Average | 64.4 | | | 66.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.2 | FTB |
| 2 | 1.0 | 76.8 | FTB |
| 3 | 1.0 | 78.3 | FTB |
| 4 | 1.0 | 74.6 | FTB |
| 5 | 1.0 | 73.3 | FTB |
| Average | | 76.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-24
Date Tested: 8/16/95
Technician: T.M./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-89

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.8 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 2 | 60.0 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| 3 | 63.0 | SE1 FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| 4 | 60.7 | SE1 FTB | < 10 | 61.0 | SE1 FTB | < 10 |
| 5 | 61.8 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| Average | 62.3 | | | 62.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.2 | FTB |
| 2 | 1.0 | 69.6 | FTB |
| 3 | 1.0 | 77.7 | FTB |
| 4 | 1.0 | 77.8 | FTB |
| 5 | 1.0 | 83.1 | FTB |
| Average | | 77.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-25
Date Tested: 8/17/95
Technician: T.M./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-90

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 60.3 | SE1 FTB | < 10 | 70.5 | SE1 FTB | < 10 |
| 2 | 63.3 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 3 | 55.1 | AD NON-FTB | 100 | 59.5 | AD-BRK FTB | 15 |
| 4 | 60.6 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 5 | 61.5 | SE1 FTB | < 10 | 70.5 | SE1 FTB | < 10 |
| Average | 60.2 | | | 65.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.5 | FTB |
| 2 | 1.0 | 71.8 | FTB |
| 3 | 1.0 | 80.3 | FTB |
| 4 | 1.0 | 69.5 | FTB |
| 5 | 1.0 | 84.8 | FTB |
| Average | | 75.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-25
Date Tested: 8/17/95
Technician: T.M./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-91

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 65.0 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| 2 | 64.7 | SE1 FTB | < 10 | 58.8 | SE1 FTB | < 10 |
| 3 | 64.0 | SE1 FTB | < 10 | 57.8 | SE1 FTB | < 10 |
| 4 | 60.1 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 5 | 67.2 | SE1 FTB | < 10 | 54.7 | SE1 FTB | < 10 |
| Average | 64.2 | | | 59.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.4 | FTB |
| 2 | 1.0 | 85.5 | FTB |
| 3 | 1.0 | 71.8 | FTB |
| 4 | 1.0 | 83.2 | FTB |
| 5 | 1.0 | 76.5 | FTB |
| Average | | 78.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-25
Date Tested: 8/17/95
Technician: T.M./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-92

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.3 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 2 | 63.4 | SE1 FTB | < 10 | 63.4 | SE1 FTB | < 10 |
| 3 | 67.6 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 4 | 64.3 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 5 | 65.1 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| Average | 64.7 | | | 63.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.0 | FTB |
| 2 | 1.0 | 73.1 | FTB |
| 3 | 1.0 | 79.2 | FTB |
| 4 | 1.0 | 78.5 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 75.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-26
Date Tested: 8/23/95
Technician: C.N./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-93

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.8 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 2 | 56.0 | SE1 FTB | < 10 | 68.6 | SE1 FTB | < 10 |
| 3 | 67.3 | SE1 FTB | < 10 | 64.1 | SE1 FTB | < 10 |
| 4 | 62.1 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 5 | 61.3 | SE1 FTB | < 10 | 54.5 | SE1 FTB | < 10 |
| Average | 62.1 | | | 61.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.2 | FTB |
| 2 | 1.0 | 64.9 | FTB |
| 3 | 1.0 | 66.4 | FTB |
| 4 | 1.0 | 63.5 | FTB |
| 5 | 1.0 | 66.7 | FTB |
| Average | | 65.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-26
Date Tested: 8/23/95
Technician: C.N./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-94

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.5 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| 2 | 76.6 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 3 | 54.0 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 4 | 66.0 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 5 | 63.6 | SE1 FTB | < 10 | 57.1 | SE1 FTB | < 10 |
| Average | 64.7 | | | 61.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.3 | FTB |
| 2 | 1.0 | 51.5 | FTB |
| 3 | 1.0 | 63.5 | FTB |
| 4 | 1.0 | 64.0 | FTB |
| 5 | 1.0 | 71.0 | FTB |
| Average | | 62.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-26
Date Tested: 8/23/95
Technician: C.N./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-95

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 52.4 | SE1 FTB | < 10 | 47.6 | AD-BRK FTB | 50 |
| 2 | 57.5 | SE1 FTB | < 10 | 57.5 | AD-BRK FTB | 60 |
| 3 | 53.1 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| 4 | 61.0 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| 5 | 57.8 | SE1 FTB | < 10 | 50.3 | AD-BRK FTB | 30 |
| Average | 56.4 | | | 54.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.8 | FTB |
| 2 | 1.0 | 60.9 | FTB |
| 3 | 1.0 | 71.9 | FTB |
| 4 | 1.0 | 73.8 | FTB |
| 5 | 1.0 | 72.0 | FTB |
| Average | | 70.3 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-95B1

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 55.8 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 2 | 61.3 | SE1 FTB | < 10 | 57.2 | SE1 FTB | < 10 |
| 3 | 57.1 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 4 | 57.9 | SE1 FTB | < 10 | 60.4 | SE1 FTB | < 10 |
| 5 | 62.4 | SE1 FTB | < 10 | 72.3 | SE1 FTB | < 10 |
| Average | 58.9 | | | 64.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.1 | FTB |
| 2 | 1.0 | 66.2 | FTB |
| 3 | 1.0 | 64.5 | FTB |
| 4 | 1.0 | 70.9 | FTB |
| 5 | 1.0 | 70.1 | FTB |
| Average | | 68.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-26
Date Tested: 8/23/95
Technician: C.N./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-96

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.2 | SE1 FTB | < 10 | 47.7 | AD NON-FTB | 100 |
| 2 | 64.3 | SE1 FTB | < 10 | 49.3 | SE1 FTB | < 10 |
| 3 | 60.7 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 4 | 62.2 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| 5 | 60.8 | SE1 FTB | < 10 | 43.1 | AD-BRK FTB | 90 |
| Average | 63.0 | | | 50.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.3 | FTB |
| 2 | 1.0 | 70.4 | FTB |
| 3 | 1.0 | 71.3 | FTB |
| 4 | 1.0 | 81.5 | FTB |
| 5 | 1.0 | 71.8 | FTB |
| Average | | 73.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-96B1

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.1 | SE1 FTB | < 10 | 63.4 | SE1 FTB | < 10 |
| 2 | 59.2 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 3 | 60.0 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 4 | 57.8 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| 5 | 66.2 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| Average | 60.9 | | | 64.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.6 | FTB |
| 2 | 1.0 | 76.2 | FTB |
| 3 | 1.0 | 75.8 | FTB |
| 4 | 1.0 | 78.0 | FTB |
| 5 | 1.0 | 86.1 | FTB |
| Average | | 76.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-26
Date Tested: 8/23/95
Technician: C.N./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-97

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.9 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 2 | 67.2 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 3 | 67.0 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| 4 | 63.2 | SE1 FTB | < 10 | 63.5 | SE1 FTB | < 10 |
| 5 | 71.5 | SE1 FTB | < 10 | 62.9 | SE1 FTB | < 10 |
| Average | 67.2 | | | 61.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.1 | FTB |
| 2 | 1.0 | 72.5 | FTB |
| 3 | 1.0 | 68.7 | FTB |
| 4 | 1.0 | 72.0 | FTB |
| 5 | 1.0 | 69.4 | FTB |
| Average | | 72.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-26
Date Tested: 8/23/95
Technician: C.N./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-98

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.3 | SE1 FTB | < 10 | 64.1 | SE1 FTB | < 10 |
| 2 | 63.8 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| 3 | 60.6 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 4 | 67.1 | SE1 FTB | < 10 | 54.0 | SE1 FTB | < 10 |
| 5 | 65.5 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| Average | 64.3 | | | 62.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.7 | FTB |
| 2 | 1.0 | 65.5 | FTB |
| 3 | 1.0 | 72.0 | FTB |
| 4 | 1.0 | 71.2 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 72.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-27
Date Tested: 8/24/95
Technician: C.T./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-99

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.8 | SE1 FTB | < 10 | 69.6 | SE1 FTB | < 10 |
| 2 | 66.9 | SE1 FTB | < 10 | 68.9 | SE1 FTB | < 10 |
| 3 | 52.8 | SE1 FTB | < 10 | 66.4 | SE1 FTB | < 10 |
| 4 | 63.3 | SE1 FTB | < 10 | 62.9 | SE1 FTB | < 10 |
| 5 | 67.0 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| Average | 61.4 | | | 65.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.0 | FTB |
| 2 | 1.0 | 75.5 | FTB |
| 3 | 1.0 | 79.2 | FTB |
| 4 | 1.0 | 78.3 | FTB |
| 5 | 1.0 | 77.3 | FTB |
| Average | | 77.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-27
Date Tested: 8/24/95
Technician: C.T./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-100

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.5 | SE1 FTB | < 10 | 55.9 | SE1 FTB | < 10 |
| 2 | 63.6 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 3 | 66.0 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 4 | 54.3 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| 5 | 62.3 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| Average | 60.5 | | | 62.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.7 | FTB |
| 2 | 1.0 | 69.8 | FTB |
| 3 | 1.0 | 74.2 | FTB |
| 4 | 1.0 | 72.7 | FTB |
| 5 | 1.0 | 68.7 | FTB |
| Average | | 70.4 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-27
Date Tested: 8/24/95
Technician: C.T./E.G.
Machine: ATS-900B/1105

## SAMPLE NO. DS-101

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.3 | SE1 FTB | < 10 | 60.7 | SE1 FTB | < 10 |
| 2 | 65.3 | SE1 FTB | < 10 | 58.9 | SE1 FTB | < 10 |
| 3 | 65.7 | SE1 FTB | < 10 | 58.3 | SE1 FTB | < 10 |
| 4 | 61.8 | SE1 FTB | < 10 | 50.8 | SE1 FTB | < 10 |
| 5 | 63.5 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| Average | 63.5 | | | 57.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.0 | FTB |
| 2 | 1.0 | 69.3 | FTB |
| 3 | 1.0 | 66.7 | FTB |
| 4 | 1.0 | 73.3 | FTB |
| 5 | 1.0 | 67.1 | FTB |
| Average | | 68.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-28
Date Tested: 8/25/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-102

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 60.8 | SE1 FTB | < 10 | 58.3 | SE1 FTB | < 10 |
| 2 | 62.9 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 3 | 64.2 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 4 | 62.2 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 5 | 61.1 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| Average | 62.2 | | | 59.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.8 | FTB |
| 2 | 1.0 | 70.8 | FTB |
| 3 | 1.0 | 68.9 | FTB |
| 4 | 1.0 | 64.8 | FTB |
| 5 | 1.0 | 67.4 | FTB |
| Average | | 68.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-28
Date Tested: 8/25/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-103

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 67.1 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 2 | 63.0 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 3 | 65.5 | SE1 FTB | < 10 | 59.1 | SE1 FTB | < 10 |
| 4 | 61.8 | SE1 FTB | < 10 | 56.0 | SE1 FTB | < 10 |
| 5 | 63.9 | SE1 FTB | < 10 | 58.9 | SE1 FTB | < 10 |
| Average | 64.3 | | | 59.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.8 | FTB |
| 2 | 1.0 | 69.8 | FTB |
| 3 | 1.0 | 72.4 | FTB |
| 4 | 1.0 | 70.6 | FTB |
| 5 | 1.0 | 72.6 | FTB |
| Average | | 70.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-28
Date Tested: 8/25/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-104

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.5 | SE1 FTB | < 10 | 57.9 | SE1 FTB | < 10 |
| 2 | 61.3 | SE1 FTB | < 10 | 51.5 | SE1 FTB | < 10 |
| 3 | 70.2 | SE1 FTB | < 10 | 58.7 | SE1 FTB | < 10 |
| 4 | 61.9 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 5 | 64.6 | SE1 FTB | < 10 | 58.6 | SE1 FTB | < 10 |
| Average | 64.1 | | | 58.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.1 | FTB |
| 2 | 1.0 | 77.3 | FTB |
| 3 | 1.0 | 73.6 | FTB |
| 4 | 1.0 | 75.6 | FTB |
| 5 | 1.0 | 74.9 | FTB |
| Average | | 75.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-28
Date Tested: 8/25/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-105

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.1 | SE1 FTB | < 10 | 52.0 | SE1 FTB | < 10 |
| 2 | 57.2 | SE1 FTB | < 10 | 55.7 | SE1 FTB | < 10 |
| 3 | 60.2 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 4 | 57.8 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| 5 | 63.2 | SE1 FTB | < 10 | 63.4 | SE1 FTB | < 10 |
| Average | 59.9 | | | 59.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.1 | FTB |
| 2 | 1.0 | 74.6 | FTB |
| 3 | 1.0 | 78.3 | FTB |
| 4 | 1.0 | 71.1 | FTB |
| 5 | 1.0 | 78.2 | FTB |
| Average | | 75.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-106

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.1 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| 2 | 79.2 | SE1 FTB | < 10 | 69.1 | SE1 FTB | < 10 |
| 3 | 63.9 | SE1 FTB | < 10 | 65.4 | SE1 FTB | < 10 |
| 4 | 59.5 | SE1 FTB | < 10 | 64.1 | SE1 FTB | < 10 |
| 5 | 61.1 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| Average | 66.0 | | | 65.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.4 | FTB |
| 2 | 1.0 | 77.5 | FTB |
| 3 | 1.0 | 72.4 | FTB |
| 4 | 1.0 | 71.1 | FTB |
| 5 | 1.0 | 69.4 | FTB |
| Average | | 73.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/28/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-107

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.2 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 2 | 66.1 | SE1 FTB | < 10 | 63.6 | SE1 FTB | < 10 |
| 3 | 60.1 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| 4 | 61.5 | SE1 FTB | < 10 | 58.8 | SE1 FTB | < 10 |
| 5 | 62.3 | BRK FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| Average | 62.6 | | | 60.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.6 | FTB |
| 2 | 1.0 | 71.8 | FTB |
| 3 | 1.0 | 74.0 | FTB |
| 4 | 1.0 | 72.5 | FTB |
| 5 | 1.0 | 74.3 | FTB |
| Average | | 73.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/28/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-108

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.9 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 2 | 60.6 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 3 | 59.4 | SE1 FTB | < 10 | 51.9 | SE1 FTB | < 10 |
| 4 | 59.6 | SE1 FTB | < 10 | 58.4 | SE1 FTB | < 10 |
| 5 | 58.3 | SE1 FTB | < 10 | 61.9 | SE1 FTB | < 10 |
| Average | 60.2 | | | 59.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.6 | FTB |
| 2 | 1.0 | 68.8 | FTB |
| 3 | 1.0 | 68.8 | FTB |
| 4 | 1.0 | 68.8 | FTB |
| 5 | 1.0 | 69.9 | FTB |
| Average | | 70.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-109

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.9 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 2 | 55.9 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| 3 | 58.3 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 4 | 56.7 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| 5 | 57.9 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| Average | 57.7 | | | 63.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.4 | FTB |
| 2 | 1.0 | 62.3 | FTB |
| 3 | 1.0 | 68.6 | FTB |
| 4 | 1.0 | 70.6 | FTB |
| 5 | 1.0 | 69.5 | FTB |
| Average | | 68.3 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-110

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.6 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| 2 | 65.1 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 67.5 | SE1 FTB | < 10 | 71.1 | SE1 FTB | < 10 |
| 4 | 69.0 | SE1 FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| 5 | 69.1 | SE1 FTB | < 10 | 68.5 | SE1 FTB | < 10 |
| Average | 66.3 | | | 67.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.4 | FTB |
| 2 | 1.0 | 75.0 | FTB |
| 3 | 1.0 | 87.3 | FTB |
| 4 | 1.0 | 78.2 | FTB |
| 5 | 1.0 | 73.3 | FTB |
| Average | | 78.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-111

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.3 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 2 | 57.5 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 3 | 54.6 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 4 | 56.1 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 5 | 61.0 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| Average | 58.1 | | | 61.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.4 | FTB |
| 2 | 1.0 | 69.2 | FTB |
| 3 | 1.0 | 69.9 | FTB |
| 4 | 1.0 | 68.6 | FTB |
| 5 | 1.0 | 65.3 | FTB |
| Average | | 68.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-112

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 58.8 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| 2 | 51.5 | SE1 FTB | < 10 | 59.0 | SE1 FTB | < 10 |
| 3 | 54.7 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 4 | 50.8 | SE1 FTB | < 10 | 66.1 | SE1 FTB | < 10 |
| 5 | 53.6 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| Average | 53.9 | | | 64.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.7 | FTB |
| 2 | 1.0 | 56.8 | FTB |
| 3 | 1.0 | 51.9 | FTB |
| 4 | 1.0 | 69.5 | FTB |
| 5 | 1.0 | 62.5 | FTB |
| Average | | 61.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-31
Date Tested: 8/30/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-113

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.6 | SE1 FTB | < 10 | 57.8 | SE1 FTB | < 10 |
| 2 | 60.4 | SE1 FTB | < 10 | 70.1 | SE1 FTB | < 10 |
| 3 | 56.8 | SE1 FTB | < 10 | 56.6 | SE1 FTB | < 10 |
| 4 | 60.6 | SE1 FTB | < 10 | 56.6 | SE1 FTB | < 10 |
| 5 | 62.0 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| Average | 59.9 | | | 59.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 63:4 | FTB |
| 2 | 1.0 | 63.7 | FTB |
| 3 | 1.0 | 63.6 | FTB |
| 4 | 1.0 | 66.2 | FTB |
| 5 | 1.0 | 55.8 | FTB |
| Average | | 62.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-114

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.8 | SE1 FTB | < 10 | 68.1 | SE1 FTB | < 10 |
| 2 | 62.9 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 3 | 63.2 | SE1 FTB | < 10 | 67.9 | SE1 FTB | < 10 |
| 4 | 62.8 | SE1 FTB | < 10 | 66.4 | SE1 FTB | < 10 |
| 5 | 63.8 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| Average | 62.7 | | | 66.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.1 | FTB |
| 2 | 1.0 | 66.9 | FTB |
| 3 | 1.0 | 70.9 | FTB |
| 4 | 1.0 | 69.8 | FTB |
| 5 | 1.0 | 69.1 | FTB |
| Average | | 70.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/29/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-115

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 55.4 | SE1 FTB | < 10 | 66.9 | SE1 FTB | < 10 |
| 2 | 69.5 | SE1 FTB | < 10 | 73.2 | SE1 FTB | < 10 |
| 3 | 73.3 | SE1 FTB | < 10 | 70.1 | SE1 FTB | < 10 |
| 4 | 74.4 | SE1 FTB | < 10 | 73.0 | SE1 FTB | < 10 |
| 5 | 58.1 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| Average | 66.1 | | | 68.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.1 | FTB |
| 2 | 1.0 | 66.9 | FTB |
| 3 | 1.0 | 69.1 | FTB |
| 4 | 1.0 | 78.1 | FTB |
| 5 | 1.0 | 76.4 | FTB |
| Average | | 73.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-31
Date Tested: 8/30/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-116

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 57.4 | SE1 FTB | < 10 | 44.5 | SE1 FTB | < 10 |
| 2 | 68.7 | SE1 FTB | < 10 | 56.8 | SE1 FTB | < 10 |
| 3 | 60.0 | SE1 FTB | < 10 | 53.6 | SE1 FTB | < 10 |
| 4 | 76.9 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| 5 | 60.1 | SE1 FTB | < 10 | 49.7 | SE1 FTB | < 10 |
| Average | 64.6 | | | 52.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.5 | FTB |
| 2 | 1.0 | 81.6 | FTB |
| 3 | 1.0 | 63.8 | FTB |
| 4 | 1.0 | 76.9 | FTB |
| 5 | 1.0 | 79.1 | FTB |
| Average | | 74.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-31
Date Tested: 8/30/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-117

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.0 | SE1 FTB | < 10 | | | |
| 2 | 63.9 | SE1 FTB | < 10 | | | |
| 3 | 63.0 | SE1 FTB | < 10 | | *NOT TESTED BECAUSE* | |
| 4 | 59.1 | SE1 FTB | < 10 | | *THERE WAS NO ENOUGH* | |
| 5 | 63.5 | SE1 FTB | < 10 | | *LIP TO GRAB* | |
| Average | 61.9 | | | | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.3 | FTB |
| 2 | 1.0 | 69.0 | FTB |
| 3 | 1.0 | 66.8 | FTB |
| 4 | 1.0 | 75.3 | FTB |
| 5 | 1.0 | 67.5 | FTB |
| Average | | 69.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-31
Date Tested: 8/30/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-118

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.4 | SE1 FTB | < 10 | 59.7 | SE1 FTB | < 10 |
| 2 | 55.3 | SE1 FTB | < 10 | 57.8 | SE1 FTB | < 10 |
| 3 | 57.5 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| 4 | 57.5 | SE1 FTB | < 10 | 53.3 | SE1 FTB | < 10 |
| 5 | 57.1 | SE1 FTB | < 10 | 53.6 | SE1 FTB | < 10 |
| Average | 56.8 | | | 56.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.6 | FTB |
| 2 | 1.0 | 71.6 | FTB |
| 3 | 1.0 | 66.3 | FTB |
| 4 | 1.0 | 59.5 | FTB |
| 5 | 1.0 | 69.3 | FTB |
| Average | | 69.3 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-31
Date Tested: 8/30/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-119

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.3 | SE1 FTB | < 10 | 53.3 | SE1 FTB | < 10 |
| 2 | 59.1 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 3 | 54.7 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 4 | 50.4 | SE1 FTB | < 10 | 61.9 | SE1 FTB | < 10 |
| 5 | 60.0 | SE1 FTB | < 10 | 57.5 | SE1 FTB | < 10 |
| Average | 57.1 | | | 59.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.3 | FTB |
| 2 | 1.0 | 68.5 | FTB |
| 3 | 1.0 | 62.8 | FTB |
| 4 | 1.0 | 74.1 | FTB |
| 5 | 1.0 | 71.6 | FTB |
| Average | | 70.3 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-31
Date Tested: 8/30/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-120

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.8 | SE1 FTB | < 10 | | | |
| 2 | 66.6 | SE1 FTB | < 10 | | | |
| 3 | 58.9 | SE1 FTB | < 10 | | *NOT TESTED BECAUSE* | |
| 4 | 53.5 | SE1 FTB | < 10 | | *THERE WAS NO ENOUGH* | |
| 5 | 62.7 | SE1 FTB | < 10 | | *LIP TO GRAB* | |
| Average | 61.3 | | | | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.1 | FTB |
| 2 | 1.0 | 67.5 | FTB |
| 3 | 1.0 | 67.4 | FTB |
| 4 | 1.0 | 81.2 | FTB |
| 5 | 1.0 | 71.6 | FTB |
| Average | | 70.8 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/31/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-121

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.0 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 2 | 65.6 | SE1 FTB | < 10 | 59.1 | SE1 FTB | < 10 |
| 3 | 66.5 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 4 | 64.6 | SE1 FTB | < 10 | 58.2 | SE1 FTB | < 10 |
| 5 | 51.1 | SE1 FTB | < 10 | 59.0 | SE1 FTB | < 10 |
| Average | 62.4 | | | 59.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.1 | FTB |
| 2 | 1.0 | 77.8 | FTB |
| 3 | 1.0 | 83.2 | FTB |
| 4 | 1.0 | 77.8 | FTB |
| 5 | 1.0 | 80.9 | FTB |
| Average | | 79.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/31/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-122

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.1 | SE1 FTB | < 10 | 58.2 | SE1 FTB | < 10 |
| 2 | 64.1 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| 3 | 58.3 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| 4 | 62.5 | SE1 FTB | < 10 | 59.1 | SE1 FTB | < 10 |
| 5 | 59.5 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| Average | 60.9 | | | 59.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.8 | FTB |
| 2 | 1.0 | 70.7 | FTB |
| 3 | 1.0 | 66.6 | FTB |
| 4 | 1.0 | 72.1 | FTB |
| 5 | 1.0 | 68.6 | FTB |
| Average | | 69.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/31/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-123

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.4 | SE1 FTB | < 10 | 51.6 | SE1 FTB | < 10 |
| 2 | 65.2 | SE1 FTB | < 10 | 52.6 | SE1 FTB | < 10 |
| 3 | 63.7 | SE1 FTB | < 10 | 56.6 | SE1 FTB | < 10 |
| 4 | 59.2 | SE1 FTB | < 10 | 55.4 | SE1 FTB | < 10 |
| 5 | 63.6 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| Average | 62.4 | | | 55.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.0 | FTB |
| 2 | 1.0 | 74.2 | FTB |
| 3 | 1.0 | 65.6 | FTB |
| 4 | 1.0 | 72.1 | FTB |
| 5 | 1.0 | 66.8 | FTB |
| Average | | 70.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D–4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured
Weld Type: Double Fusion

Job No.: 95G1821–29
Date Tested: 8/31/95
Technician: C.T./C.N.
Machine: ATS–900B/1105

## SAMPLE NO. DS–124

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 63.3 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 2 | 65.6 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 3 | 68.9 | SE1 FTB | < 10 | 58.8 | SE1 FTB | < 10 |
| 4 | 67.4 | SE1 FTB | < 10 | 65.8 | SE1 FTB | < 10 |
| 5 | 71.3 | SE1 FTB | < 10 | 66.1 | SE1 FTB | < 10 |
| Average | 67.3 | | | 63.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.6 | FTB |
| 2 | 1.0 | 68.1 | FTB |
| 3 | 1.0 | 65.6 | FTB |
| 4 | 1.0 | 64.2 | FTB |
| 5 | 1.0 | 71.2 | FTB |
| Average | | 67.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 8/31/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-125

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 68.4 | SE1 FTB | < 10 | 59.7 | SE1 FTB | < 10 |
| 2 | 58.7 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| 3 | 59.0 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| 4 | 66.4 | SE1 FTB | < 10 | 65.8 | SE1 FTB | < 10 |
| 5 | 67.1 | SE1 FTB | < 10 | 58.3 | SE1 FTB | < 10 |
| Average | 63.9 | | | 62.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.1 | FTB |
| 2 | 1.0 | 65.4 | FTB |
| 3 | 1.0 | 74.1 | FTB |
| 4 | 1.0 | 67.2 | FTB |
| 5 | 1.0 | 70.8 | FTB |
| Average | | 70.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin
Project: North Port
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-33
Date Tested: 9/05/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE No. DS-126

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.7 | SE1 FTB | < 10 | 61.0 | SE1 FTB | < 10 |
| 2 | 60.8 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 3 | 58.2 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 4 | 57.2 | SE1 FTB | < 10 | 57.9 | SE1 FTB | < 10 |
| 5 | 59.6 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| Average | 59.3 | | | 59.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.3 | FTB |
| 2 | 1.0 | 66.1 | FTB |
| 3 | 1.0 | 70.2 | FTB |
| 4 | 1.0 | 70.0 | FTB |
| 5 | 1.0 | 66.7 | FTB |
| Average | | 68.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin
Project: North Port
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-33
Date Tested: 9/05/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE No. DS-127

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.2 | SE1 FTB | < 10 | 69.6 | SE1 FTB | < 10 |
| 2 | 67.1 | SE1 FTB | < 10 | 69.1 | SE1 FTB | < 10 |
| 3 | 65.1 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 4 | 65.7 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 5 | 63.1 | SE1 FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| Average | 65.0 | | | 66.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.8 | FTB |
| 2 | 1.0 | 78.5 | FTB |
| 3 | 1.0 | 72.2 | FTB |
| 4 | 1.0 | 79.8 | FTB |
| 5 | 1.0 | 76.7 | FTB |
| Average | | 77.6 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin
Project: North Port
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-33
Date Tested: 9/05/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE No. DS-128

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 61.2 | SE1 FTB | < 10 | 71.8 | SE1 FTB | < 10 |
| 2 | 65.1 | SE1 FTB | < 10 | 60.4 | SE1 FTB | < 10 |
| 3 | 65.4 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 4 | 68.8 | SE1 FTB | < 10 | 63.4 | SE1 FTB | < 10 |
| 5 | 66.8 | SE1 FTB | < 10 | 59.8 | SE1 FTB | < 10 |
| Average | 65.5 | | | 63.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.7 | FTB |
| 2 | 1.0 | 73.7 | FTB |
| 3 | 1.0 | 71.6 | FTB |
| 4 | 1.0 | 68.6 | FTB |
| 5 | 1.0 | 72.5 | FTB |
| Average | | 71.2 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-06
Date Tested: 9/7/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-129

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 84.3 | SE1 FTB | < 10 |
| 2 | 1.0 | 93.4 | SE1 FTB | < 10 |
| 3 | 1.0 | 75.7 | SE1 FTB | < 10 |
| 4 | 1.0 | 85.1 | SE1 FTB | < 10 |
| 5 | 1.0 | 88.0 | SE1 FTB | < 10 |
| Average | | 85.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.7 | FTB |
| 2 | 1.0 | 78.7 | FTB |
| 3 | 1.0 | 95.2 | FTB |
| 4 | 1.0 | 75.3 | FTB |
| 5 | 1.0 | 75.5 | FTB |
| Average | | 79.5 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-06
Date Tested: 9/7/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-130

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 60.7 | SE1 FTB | < 10 |
| 2 | 1.0 | 72.0 | SE1 FTB | < 10 |
| 3 | 1.0 | 94.1 | SE1 FTB | < 10 |
| 4 | 1.0 | 88.0 | SE1 FTB | < 10 |
| 5 | 1.0 | 72.8 | SE1 FTB | < 10 |
| Average | | 77.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.7 | FTB |
| 2 | 1.0 | 110.3 | FTB |
| 3 | 1.0 | 103.3 | FTB |
| 4 | 1.0 | 86.2 | FTB |
| 5 | 1.0 | 109.2 | FTB |
| Average | | 97.3 | |

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Extrusion

Job No.: 95G1820-06
Date Tested: 9/7/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-131

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 71.0 | SE1 FTB | < 10 |
| 2 | 1.0 | 79.7 | SE1 FTB | < 10 |
| 3 | 1.0 | 77.8 | SE1 FTB | < 10 |
| 4 | 1.0 | 75.7 | SE1 FTB | < 10 |
| 5 | 1.0 | 71.9 | SE1 FTB | < 10 |
| Average | | 75.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 97.8 | FTB |
| 2 | 1.0 | 95.6 | FTB |
| 3 | 1.0 | 70.5 | FTB |
| 4 | 1.0 | 78.9 | FTB |
| 5 | 1.0 | 80.7 | FTB |
| Average | | 84.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/11/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-132

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.7 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| 2 | 57.6 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| 3 | 65.1 | SE1 FTB | < 10 | 66.5 | SE1 FTB | < 10 |
| 4 | 64.1 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 5 | 68.0 | SE1 FTB | < 10 | 64.7 | SE1 FTB | < 10 |
| Average | 64.3 | | | 64.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.8 | FTB |
| 2 | 1.0 | 76.7 | FTB |
| 3 | 1.0 | 75.0 | FTB |
| 4 | 1.0 | 76.5 | FTB |
| 5 | 1.0 | 77.0 | FTB |
| Average | | 77.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/11/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-133

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.8 | SE1 FTB | < 10 | 68.8 | SE1 FTB | < 10 |
| 2 | 68.8 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| 3 | 65.7 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 4 | 67.8 | SE1 FTB | < 10 | 66.7 | SE1 FTB | < 10 |
| 5 | 68.2 | SE1 FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| Average | 66.1 | | | 67.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 110.1 | FTB |
| 2 | 1.0 | 78.5 | FTB |
| 3 | 1.0 | 81.2 | FTB |
| 4 | 1.0 | 70.4 | FTB |
| 5 | 1.0 | 66.5 | FTB |
| Average | | 81.3 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-134

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 69.8 | SE1 FTB | < 10 | 59.1 | SE1 FTB | < 10 |
| 2 | 63.9 | SE1 FTB | < 10 | 60.2 | SE1 FTB | < 10 |
| 3 | 65.8 | SE1 FTB | < 10 | 59.6 | SE1 FTB | < 10 |
| 4 | 61.6 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 5 | 63.8 | SEI FTB | < 10 | 64.4 | SE1 FTB | < 10 |
| Average | 65.0 | | | 60.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.9 | FTB |
| 2 | 1.0 | 73.5 | FTB |
| 3 | 1.0 | 76.8 | FTB |
| 4 | 1.0 | 79.3 | FTB |
| 5 | 1.0 | 80.8 | FTB |
| Average | | 76.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-135

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 73.0 | SE1 FTB | < 10 | 79.5 | SE1 FTB | < 10 |
| 2 | 73.2 | SE1 FTB | < 10 | 73.7 | SE1 FTB | < 10 |
| 3 | 71.7 | SE1 FTB | < 10 | 77.0 | SE1 FTB | < 10 |
| 4 | 64.0 | SE1 FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 5 | 74.5 | SEI FTB | < 10 | 66.0 | SE1 FTB | < 10 |
| Average | 71.3 | | | 72.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 84.2 | FTB |
| 2 | 1.0 | 81.7 | FTB |
| 3 | 1.0 | 80.0 | FTB |
| 4 | 1.0 | 75.7 | FTB |
| 5 | 1.0 | 94.5 | FTB |
| Average | | 83.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-136

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.0 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 2 | 65.7 | SE1 FTB | < 10 | 56.0 | SE1 FTB | < 10 |
| 3 | 61.5 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 4 | 58.7 | SE1 FTB | < 10 | 57.0 | SE1 FTB | < 10 |
| 5 | 66.5 | SEI FTB | < 10 | 55.7 | SE1 FTB | < 10 |
| Average | 63.7 | | | 57.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.1 | FTB |
| 2 | 1.0 | 77.1 | FTB |
| 3 | 1.0 | 79.8 | FTB |
| 4 | 1.0 | 80.6 | FTB |
| 5 | 1.0 | 74.0 | FTB |
| Average | | 77.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-137

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 68.5 | SE1 FTB | < 10 | 69.6 | SE1 FTB | < 10 |
| 2 | 72.6 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| 3 | 76.2 | SE1 FTB | < 10 | 70.8 | SE1 FTB | < 10 |
| 4 | 72.5 | SE1 FTB | < 10 | 68.5 | SE1 FTB | < 10 |
| 5 | 66.5 | SEI FTB | < 10 | 72.6 | SE1 FTB | < 10 |
| Average | 71.3 | | | 69.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 84.5 | FTB |
| 2 | 1.0 | 74.2 | FTB |
| 3 | 1.0 | 88.7 | FTB |
| 4 | 1.0 | 95.0 | FTB |
| 5 | 1.0 | 85.2 | FTB |
| Average | | 85.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-138

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 69.6 | BRK | < 10 | 65.7 | AD BRK | < 10 |
| 2 | 70.6 | SE1 FTB | < 10 | 71.7 | SE1 FTB | < 10 |
| 3 | 72.8 | SE1 FTB | < 10 | 65.1 | SE1 FTB | < 10 |
| 4 | 72.4 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 5 | 60.7 | SEI FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| Average | 69.2 | | | 66.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.8 | FTB |
| 2 | 1.0 | 81.8 | FTB |
| 3 | 1.0 | 81.8 | FTB |
| 4 | 1.0 | 84.1 | FTB |
| 5 | 1.0 | 71.1 | FTB |
| Average | | 79.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-139

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 72.5 | SEI FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 2 | 77.8 | SEI FTB | < 10 | 78.1 | SE1 FTB | < 10 |
| 3 | 69.8 | SEI FTB | < 10 | 70.7 | SE1 FTB | < 10 |
| 4 | 72.6 | SEI FTB | < 10 | 77.6 | SE1 FTB | < 10 |
| 5 | 73.5 | SEI FTB | < 10 | 79.3 | SE1 FTB | < 10 |
| Average | 73.2 | | | 74.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.7 | FTB |
| 2 | 1.0 | 88.6 | FTB |
| 3 | 1.0 | 75.3 | FTB |
| 4 | 1.0 | 70.5 | FTB |
| 5 | 1.0 | 73.5 | FTB |
| Average | | 75.7 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-35
Date Tested: 9/12/95
Technician: C.T./B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-140

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.0 | SEI FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| 2 | 67.5 | SEI FTB | < 10 | 56.8 | SE1 FTB | < 10 |
| 3 | 61.0 | SEI FTB | < 10 | 58.8 | SE1 FTB | < 10 |
| 4 | 62.1 | SEI FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 5 | 64.6 | SEI FTB | < 10 | 56.1 | SE1 FTB | < 10 |
| Average | 64.2 | | | 60.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.2 | FTB |
| 2 | 1.0 | 73.2 | FTB |
| 3 | 1.0 | 73.7 | FTB |
| 4 | 1.0 | 70.8 | FTB |
| 5 | 1.0 | 74.4 | FTB |
| Average | | 73.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-141

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 54.3 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 2 | 57.8 | SE1 FTB | < 10 | 60.2 | SE1 FTB | < 10 |
| 3 | 66.0 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 4 | 60.8 | SE1 FTB | < 10 | 60.2 | SE1 FTB | < 10 |
| 5 | 63.2 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| Average | 60.4 | | | 63.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.4 | FTB |
| 2 | 1.0 | 72.5 | FTB |
| 3 | 1.0 | 72.8 | FTB |
| 4 | 1.0 | 78.1 | FTB |
| 5 | 1.0 | 71.3 | FTB |
| Average | | 72.2 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-142

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.3 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| 2 | 62.6 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 3 | 62.7 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 4 | 71.3 | SE1 FTB | < 10 | 58.2 | SE1 FTB | < 10 |
| 5 | 69.6 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| Average | 66.5 | | | 62.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 81.5 | FTB |
| 2 | 1.0 | 80.9 | FTB |
| 3 | 1.0 | 79.5 | FTB |
| 4 | 1.0 | 80.3 | FTB |
| 5 | 1.0 | 77.5 | FTB |
| Average | | 79.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-143

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.1 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 2 | 50.7 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 3 | 61.0 | SE1 FTB | < 10 | 61.9 | SE1 FTB | < 10 |
| 4 | 57.4 | SE1 FTB | < 10 | 53.4 | SE1 FTB | < 10 |
| 5 | 56.1 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| Average | 56.3 | | | 59.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 81.2 | FTB |
| 2 | 1.0 | 80.3 | FTB |
| 3 | 1.0 | 78.3 | FTB |
| 4 | 1.0 | 68.1 | FTB |
| 5 | 1.0 | 59.4 | FTB |
| Average | | 73.5 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-144

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.7 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 2 | 61.2 | SE1 FTB | < 10 | 59.8 | SE1 FTB | < 10 |
| 3 | 55.3 | SE1 FTB | < 10 | 53.8 | SE1 FTB | < 10 |
| 4 | 58.0 | SE1 FTB | < 10 | 55.6 | SE1 FTB | < 10 |
| 5 | 53.9 | SE1 FTB | < 10 | 50.1 | SE1 FTB | < 10 |
| Average | 57.0 | | | 55.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.2 | FTB |
| 2 | 1.0 | 76.6 | FTB |
| 3 | 1.0 | 80.1 | FTB |
| 4 | 1.0 | 78.3 | FTB |
| 5 | 1.0 | 76.7 | FTB |
| Average | | 78.0 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-145

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 66.3 | SE1 FTB | < 10 | 53.2 | SE1 FTB | < 10 |
| 2 | 59.1 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 70.7 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 4 | 72.3 | AD BRK | > 10 | 50.7 | SE1 FTB | < 10 |
| 5 | 69.2 | SE1 FTB | < 10 | 55.2 | SE1 FTB | < 10 |
| Average | 67.5 | | | 57.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 84.6 | FTB |
| 2 | 1.0 | 85.2 | FTB |
| 3 | 1.0 | 84.6 | FTB |
| 4 | 1.0 | 68.6 | FTB |
| 5 | 1.0 | 82.7 | FTB |
| Average | | 81.1 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-146

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 65.8 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| 2 | 59.0 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| 3 | 63.2 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 4 | 63.1 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 5 | 64.1 | SE1 FTB | < 10 | 48.7 | SE1 FTB | < 10 |
| Average | 63.0 | | | 59.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.8 | FTB |
| 2 | 1.0 | 79.5 | FTB |
| 3 | 1.0 | 77.7 | FTB |
| 4 | 1.0 | 77.3 | FTB |
| 5 | 1.0 | 73.2 | FTB |
| Average | | 75.9 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-147

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.0 | SE1 FTB | < 10 | 48.3 | SE1 FTB | < 10 |
| 2 | 57.8 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| 3 | 53.1 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 4 | 62.2 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 5 | 52.1 | SE1 FTB | < 10 | 55.7 | SE1 FTB | < 10 |
| Average | 57.8 | | | 56.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.0 | FTB |
| 2 | 1.0 | 68.1 | FTB |
| 3 | 1.0 | 67.9 | FTB |
| 4 | 1.0 | 65.4 | FTB |
| 5 | 1.0 | 71.8 | FTB |
| Average | | 68.4 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-148

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 58.0 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 2 | 55.0 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 65.6 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 4 | 60.5 | SE1 FTB | < 10 | 60.7 | SE1 FTB | < 10 |
| 5 | 68.0 | SE1 FTB | < 10 | 59.0 | SE1 FTB | < 10 |
| Average | 61.4 | | | 62.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.0 | FTB |
| 2 | 1.0 | 79.6 | FTB |
| 3 | 1.0 | 77.2 | FTB |
| 4 | 1.0 | 69.8 | FTB |
| 5 | 1.0 | 79.5 | FTB |
| Average | | 76.8 | |

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil Textured VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-29
Date Tested: 9/14/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-149

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 58.1 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 2 | 56.8 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| 3 | 65.4 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| 4 | 64.0 | SE1 FTB | < 10 | 56.2 | SE1 FTB | < 10 |
| 5 | 64.8 | SE1 FTB | < 10 | 59.5 | SE1 FTB | < 10 |
| Average | 61.8 | | | 60.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.5 | FTB |
| 2 | 1.0 | 77.1 | FTB |
| 3 | 1.0 | 74.7 | FTB |
| 4 | 1.0 | 75.5 | FTB |
| 5 | 1.0 | 64.7 | FTB |
| Average | | 71.7 | |

PEEL AND SHEAR TEST RESULTS
TASK 03- GEOSYNTHETICS TESTING
TOWN OF HUNTINGTON/
EAST NORTHPORT LANDFILL
INTERIM REPORT NO. 2

**Performed For:**

Cashin Associates, P.C.
1200 Verterans Memorial Highway
Hauppauge, N.Y. 11788

**Performed By:**

J&L Testing Company, Inc.
938 South Central Avenue
Canonsburg, PA 15317

**January 11, 1996**
Job No.: 95G1821

J&L TESTING COMPANY, INC.
GEOTECHNICAL AND GEOSYNTHETICS MATERIALS TESTING AND RESEARCH

January 11, 1996
Job No.: 95G1821

Cashin Associates, P.C.
1200 Veterans Memorial Highway
Hauppauge, NY 11788

Attn: Mr. James Gladysz, P.E.

**RE: PEEL AND SHEAR TEST RESULTS**
**TASK 03-GEOSYNTHETIC TESTING**
**Town Of Huntington/East Northport Landfill**
**INTERIM REPORT NO. 2**

Dear Mr. Gladysz:

We are pleased to submit herein the interim report of geosynthetic tests performed on samples from the Town of Huntington/East Northport Landfill. Testing included Peel and Shear (ASTM D-4437). The samples tested are enclosed in this report. All tests were performed per ASTM protocols listed in your letters and in accordance with JLT's in-house QA/QC program.

Should you have any questions, comments or require additional information, please do not hesitate to call. Thank you.

Sincerely,

**J&L TESTING COMPANY, INC.**

Mahiru Shettima, Ph.D., P.E.
Director

enclosure
MS/cly
ms/(1790)

938 South Central Avenue • Canonsburg, Pennsylvania 15317 Tel: (412) 746-4441 Fax: (412) 745-4261

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-38
Date Tested: 9/22/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-150

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 60.1 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| 2 | 67.2 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| 3 | 61.6 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 4 | 64.0 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 5 | 65.3 | BRK FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| Average | 63.6 | | | 62.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.8 | FTB |
| 2 | 1.0 | 71.2 | FTB |
| 3 | 1.0 | 66.3 | FTB |
| 4 | 1.0 | 54.1 | FTB |
| 5 | 1.0 | 67.7 | FTB |
| Average | | 66.8 | |

C150

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-38
Date Tested: 9/22/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-151

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.3 | SE1 FTB | < 10 | 74.3 | SE1 FTB | < 10 |
| 2 | 58.1 | SE1 FTB | < 10 | 56.9 | SE1 FTB | < 10 |
| 3 | 59.1 | SE1 FTB | < 10 | 76.6 | SE1 FTB | < 10 |
| 4 | 60.7 | SE1 FTB | < 10 | 55.8 | SE1 FTB | < 10 |
| 5 | 65.0 | BRK FTB | < 10 | 61.9 | SE1 FTB | < 10 |
| | 61.4 | | | 65.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.3 | FTB |
| 2 | 1.0 | 81.6 | FTB |
| 3 | 1.0 | 70.3 | FTB |
| 4 | 1.0 | 80.5 | FTB |
| 5 | 1.0 | 79.0 | FTB |
| Average | | 76.1 | |

C151

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-39
Date Tested: 10/02/95
Technician: B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-152

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 54.7 | SE1 FTB | < 10 | 64.7 | SE1 FTB | < 10 |
| 2 | 63.2 | SE1 FTB | < 10 | 73.3 | SE1 FTB | < 10 |
| 3 | 67.8 | SE1 FTB | < 10 | 65.5 | SE1 FTB | < 10 |
| 4 | 64.3 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 5 | 69.1 | BRK FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| | 63.8 | | | 65.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.0 | FTB |
| 2 | 1.0 | 84.3 | FTB |
| 3 | 1.0 | 83.1 | FTB |
| 4 | 1.0 | 85.0 | FTB |
| 5 | 1.0 | 86.7 | FTB |
| Average | | 83.6 | |

C152

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-39
Date Tested: 10/02/95
Technician: B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-153

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.0 | SE1 FTB | < 10 | 57.1 | SE1 FTB | < 10 |
| 2 | 56.8 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| 3 | 55.1 | SE1 FTB | < 10 | 53.3 | SE1 FTB | < 10 |
| 4 | 55.2 | SE1 FTB | < 10 | 59.5 | SE1 FTB | < 10 |
| 5 | 56.3 | BRK FTB | < 10 | 53.7 | SE1 FTB | < 10 |
| | 55.9 | | | 56.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.3 | FTB |
| 2 | 1.0 | 69.3 | FTB |
| 3 | 1.0 | 67.5 | FTB |
| 4 | 1.0 | 71.2 | FTB |
| Average | | 70.3 | |

C153

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE
Weld Type: Double Fusion

Job No.: 95G1821-38
Date Tested: 9/22/95
Technician: C.T./C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-154

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.3 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| 2 | 59.8 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 56.8 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| 4 | 57.6 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 5 | 57.8 | BRK FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| | 58.9 | | | 62.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.7 | FTB |
| 2 | 1.0 | 73.8 | FTB |
| 3 | 1.0 | 73.8 | FTB |
| 4 | 1.0 | 71.2 | FTB |
| 5 | 1.0 | 70.6 | FTB |
| Average | | 72.4 | |

C154

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-155

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 62.0 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| 2 | 60.3 | SE1 FTB | < 10 | 57.5 | SE1 FTB | < 10 |
| 3 | 61.6 | SE1 FTB | < 10 | 60.7 | SE1 FTB | < 10 |
| 4 | 62.0 | SE1 FTB | < 10 | 62.2 | SE1 FTB | < 10 |
| 5 | 61.8 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| | 61.5 | | | 61.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.2 | FTB |
| 2 | 1.0 | 70.5 | FTB |
| 3 | 1.0 | 74.7 | FTB |
| 4 | 1.0 | 73.6 | FTB |
| 5 | 1.0 | 70.6 | FTB |
| Average | | 74.8 | |

DS155CN

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-156

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 61.0 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| 2 | 59.7 | SE1 FTB | < 10 | 65.3 | SE1 FTB | < 10 |
| 3 | 60.2 | SE1 FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 4 | 57.6 | SE1 FTB | < 10 | 68.2 | SE1 FTB | < 10 |
| 5 | 60.5 | SE1 FTB | < 10 | 66.6 | SE1 FTB | < 10 |
| | 59.8 | | | 67.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.6 | FTB |
| 2 | 1.0 | 73.0 | FTB |
| 3 | 1.0 | 68.5 | FTB |
| 4 | 1.0 | 67.0 | FTB |
| 5 | 1.0 | 68.5 | FTB |
| Average | | 69.5 | |

DS156MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: B.H./C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-157

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 59.6 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 2 | 59.8 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| 3 | 59.0 | SE1 FTB | < 10 | 64.9 | SE1 FTB | < 10 |
| 4 | 54.4 | SE1 FTB | < 10 | 66.7 | SE1 FTB | < 10 |
| 5 | 63.5 | SE1 FTB | < 10 | 63.8 | SE1 FTB | < 10 |
| | 59.3 | | | 64.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.8 | FTB |
| 2 | 1.0 | 72.8 | FTB |
| 3 | 1.0 | 70.8 | FTB |
| 4 | 1.0 | 71.9 | FTB |
| 5 | 1.0 | 72.5 | FTB |
| Average | | 71.8 | |

DS157CN

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-158

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.2 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 2 | 56.0 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 3 | 56.8 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 4 | 53.1 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| 5 | 58.5 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| | 57.5 | | | 63.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.7 | FTB |
| 2 | 1.0 | 70.8 | FTB |
| 3 | 1.0 | 67.5 | FTB |
| 4 | 1.0 | 66.3 | FTB |
| 5 | 1.0 | 71.6 | FTB |
| Average | | 68.6 | |

DS158MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-159

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 61.6 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 2 | 59.9 | SE1 FTB | < 10 | 59.5 | SE1 FTB | < 10 |
| 3 | 60.1 | SE1 FTB | < 10 | 64.5 | SE1 FTB | < 10 |
| 4 | 57.8 | SE1 FTB | < 10 | 62.9 | SE1 FTB | < 10 |
| 5 | 60.9 | SE1 FTB | < 10 | 61.4 | SE1 FTB | < 10 |
| | 60.1 | | | 61.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.9 | FTB |
| 2 | 1.0 | 70.8 | FTB |
| 3 | 1.0 | 74.8 | FTB |
| 4 | 1.0 | 72.0 | FTB |
| 5 | 1.0 | 74.1 | FTB |
| Average | | 72.9 | |

DS159MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-160

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 56.9 | SE1 FTB | < 10 | 60.0 | SE1 FTB | < 10 |
| 2 | 58.7 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 3 | 59.1 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| 4 | 53.4 | SE1 FTB | < 10 | 65.8 | SE1 FTB | < 10 |
| 5 | 58.0 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| | 57.2 | | | 62.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.6 | FTB |
| 2 | 1.0 | 73.2 | FTB |
| 3 | 1.0 | 72.1 | FTB |
| 4 | 1.0 | 71.6 | FTB |
| 5 | 1.0 | 69.3 | FTB |
| Average | | 71.1 | |

DS160MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-161

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 62.5 | SE1 FTB | < 10 | 68.8 | SE1 FTB | < 10 |
| 2 | 66.0 | SE1 FTB | < 10 | 68.7 | SE1 FTB | < 10 |
| 3 | 63.0 | SE1 FTB | < 10 | 66.3 | SE1 FTB | < 10 |
| 4 | 64.3 | SE1 FTB | < 10 | 66.8 | SE1 FTB | < 10 |
| 5 | 64.0 | SE1 FTB | < 10 | 73.2 | SE1 FTB | < 10 |
| | 64.0 | | | 68.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.3 | FTB |
| 2 | 1.0 | 77.0 | FTB |
| 3 | 1.0 | 77.1 | FTB |
| 4 | 1.0 | 74.5 | FTB |
| 5 | 1.0 | 78.2 | FTB |
| Average | | 76.0 | |

DS161MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-162

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.7 | SE1 FTB | < 10 | 70.5 | SE1 FTB | < 10 |
| 2 | 59.8 | SE1 FTB | < 10 | 72.3 | SE1 FTB | < 10 |
| 3 | 61.8 | SE1 FTB | < 10 | 66.2 | SE1 FTB | < 10 |
| 4 | 55.6 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 5 | 57.5 | SE1 FTB | < 10 | 61.0 | SE1 FTB | < 10 |
| | 59.9 | | | 67.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.3 | FTB |
| 2 | 1.0 | 70.0 | FTB |
| 3 | 1.0 | 73.5 | FTB |
| 4 | 1.0 | 72.3 | FTB |
| 5 | 1.0 | 69.6 | FTB |
| Average | | 72.8 | |

DS162MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-163

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.1 | SE1 FTB | < 10 | 68.8 | SE1 FTB | < 10 |
| 2 | 63.6 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| 3 | 65.0 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| 4 | 62.8 | SE1 FTB | < 10 | 68.5 | SE1 FTB | < 10 |
| 5 | 59.6 | SE1 FTB | < 10 | 67.8 | SE1 FTB | < 10 |
| | 62.8 | | | 67.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.2 | FTB |
| 2 | 1.0 | 79.8 | FTB |
| 3 | 1.0 | 77.8 | FTB |
| 4 | 1.0 | 73.2 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 75.0 | |

DS163MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-40
Date Tested: 10/04/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-164

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.3 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 2 | 65.2 | SE1 FTB | < 10 | 67.1 | SE1 FTB | < 10 |
| 3 | 61.2 | SE1 FTB | < 10 | 65.3 | SE1 FTB | < 10 |
| 4 | 66.1 | SE1 FTB | < 10 | 66.7 | SE1 FTB | < 10 |
| 5 | 66.3 | SE1 FTB | < 10 | 66.5 | SE1 FTB | < 10 |
| | 64.4 | | | 65.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.6 | FTB |
| 2 | 1.0 | 68.3 | FTB |
| 3 | 1.0 | 74.3 | FTB |
| 4 | 1.0 | 76.5 | FTB |
| 5 | 1.0 | 74.6 | FTB |
| Average | | 71.9 | |

DS164MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-41
Date Tested: 10/05/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-165

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 68.1 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 2 | 72.5 | SE1 FTB | < 10 | 65.6 | SE1 FTB | < 10 |
| 3 | 70.0 | SE1 FTB | < 10 | 58.7 | SE1 FTB | < 10 |
| 4 | 70.1 | SE1 FTB | < 10 | 62.5 | SE1 FTB | < 10 |
| 5 | 73.1 | SE1 FTB | < 10 | 68.7 | SE1 FTB | < 10 |
| | 70.8 | | | 64.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.3 | FTB |
| 2 | 1.0 | 77.5 | FTB |
| 3 | 1.0 | 77.4 | FTB |
| 4 | 1.0 | 80.6 | FTB |
| 5 | 1.0 | 82.5 | FTB |
| Average | | 78.7 | |

DS165MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-41
Date Tested: 10/05/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-166

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.0 | SE1 FTB | < 10 | 72.5 | SE1 FTB | < 10 |
| 2 | 66.2 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 3 | 62.5 | SE1 FTB | < 10 | 69.3 | SE1 FTB | < 10 |
| 4 | 66.2 | SE1 FTB | < 10 | 73.7 | SE1 FTB | < 10 |
| 5 | 63.7 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| | 64.7 | | | 68.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 88.7 | FTB |
| 2 | 1.0 | 85.6 | FTB |
| 3 | 1.0 | 85.8 | FTB |
| 4 | 1.0 | 85.6 | FTB |
| 5 | 1.0 | 90.0 | FTB |
| Average | | 86.4 | |

DS166MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-41
Date Tested: 10/05/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-167

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.6 | SE1 FTB | < 10 | 66.2 | SE1 FTB | < 10 |
| 2 | 67.5 | SE1 FTB | < 10 | 67.2 | SE1 FTB | < 10 |
| 3 | 63.1 | SE1 FTB | < 10 | 59.0 | SE1 FTB | < 10 |
| 4 | 66.4 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| 5 | 72.1 | SE1 FTB | < 10 | 65.9 | SE1 FTB | < 10 |
| | 66.9 | | | 64.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.9 | FTB |
| 2 | 1.0 | 78.0 | FTB |
| 3 | 1.0 | 81.1 | FTB |
| 4 | 1.0 | 82.7 | FTB |
| 5 | 1.0 | 83.5 | FTB |
| Average | | 80.4 | |

DS167MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-41
Date Tested: 10/05/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-168

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.6 | SE1 FTB | < 10 | 66.2 | SE1 FTB | < 10 |
| 2 | 71.2 | SE1 FTB | < 10 | 59.3 | SE1 FTB | < 10 |
| 3 | 60.6 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 4 | 57.5 | SE1 FTB | < 10 | 64.8 | SE1 FTB | < 10 |
| 5 | 62.5 | SE1 FTB | < 10 | 65.6 | SE1 FTB | < 10 |
| | 63.5 | | | 64.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 86.2 | FTB |
| 2 | 1.0 | 82.8 | FTB |
| 3 | 1.0 | 82.5 | FTB |
| 4 | 1.0 | 75.0 | FTB |
| 5 | 1.0 | 84.3 | FTB |
| Average | | 81.6 | |

DS168MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-41
Date Tested: 10/05/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-169

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 70.6 | SE1 FTB | < 10 | 62.9 | SE1 FTB | < 10 |
| 2 | 61.2 | SE1 FTB | < 10 | 52.4 | SE1 FTB | < 10 |
| 3 | 60.4 | SE1 FTB | < 10 | 56.6 | SE1 FTB | < 10 |
| 4 | 68.9 | SE1 FTB | < 10 | 59.9 | SE1 FTB | < 10 |
| 5 | 55.7 | SE1 FTB | < 10 | 53.8 | SE1 FTB | < 10 |
| | 63.4 | | | 57.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.4 | FTB |
| 2 | 1.0 | 74.6 | FTB |
| 3 | 1.0 | 78.5 | FTB |
| 4 | 1.0 | 75.5 | FTB |
| 5 | 1.0 | 77.5 | FTB |
| Average | | 77.0 | |

DS169MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-170

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 52.8 | SE1 FTB | <10 | 64.6 | SE1 FTB | <10 |
| 2 | 65.0 | SE1 FTB | <10 | 66.1 | SE1 FTB | <10 |
| 3 | 60.8 | SE1 FTB | <10 | 58.6 | SE1 FTB | <10 |
| 4 | 64.3 | SE1 FTB | <10 | 65.3 | SE1 FTB | <10 |
| 5 | 61.1 | SE1 FTB | <10 | 66.9 | SE1 FTB | <10 |
| | 60.8 | | | 64.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 82.2 | FTB |
| 2 | 1.0 | 76.5 | FTB |
| 3 | 1.0 | 73.9 | FTB |
| 4 | 1.0 | 74.3 | FTB |
| 5 | 1.0 | 76.9 | FTB |
| Average | | 76.7 | |

DS170BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-171A

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 56.0 | SE1 FTB | <10 | 53.2 | AD-BRK | 50 |
| 2 | 55.7 | SE1 FTB | <10 | 63.8 | SE1 FTB | <10 |
| 3 | 57.6 | SE1 FTB | <10 | 54.3 | AD-BRK | 50 |
| 4 | 56.5 | SE1 FTB | <10 | 66.8 | SE1 FTB | <10 |
| 5 | 58.6 | SE1 FTB | <10 | 61.2 | SE1 FTB | <10 |
| | 56.9 | | | 59.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.3 | FTB |
| 2 | 1.0 | 74.2 | FTB |
| 3 | 1.0 | 69.5 | FTB |
| 4 | 1.0 | 70.0 | FTB |
| 5 | 1.0 | 67.0 | FTB |
| Average | | 72.3 | |

DS171ABRL

J & L TESTING COMPANY, INC.

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-171B

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 56.6 | SE1 FTB | <10 | 55.0 | SE1 FTB | <10 |
| 2 | 56.1 | SE1 FTB | <10 | 55.1 | SE1 FTB | <10 |
| 3 | 60.5 | SE1 FTB | <10 | 53.6 | SE1 FTB | <10 |
| 4 | 59.2 | SE1 FTB | <10 | 57.0 | SE1 FTB | <10 |
| 5 | 65.3 | SE1 FTB | <10 | 58.8 | SE1 FTB | <10 |
| | 59.5 | | | 55.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.8 | FTB |
| 2 | 1.0 | 74.2 | FTB |
| 3 | 1.0 | 76.3 | FTB |
| 4 | 1.0 | 76.2 | FTB |
| 5 | 1.0 | 70.2 | FTB |
| Average | | 75.4 | |

DS171BBRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D–4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS–172A

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.7 | SE1 FTB | <10 | 63.2 | SE1 FTB | <10 |
| 2 | 64.1 | SE1 FTB | <10 | 53.2 | SE1 FTB | <10 |
| 3 | 54.7 | SE1 FTB | <10 | 63.0 | SE1 FTB | <10 |
| 4 | 68.0 | SE1 FTB | <10 | 56.5 | SE1 FTB | <10 |
| 5 | 60.2 | SE1 FTB | <10 | 63.1 | SE1 FTB | <10 |
| | 62.3 | | | 59.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.9 | FTB |
| 2 | 1.0 | 73.6 | FTB |
| 3 | 1.0 | 63.0 | FTB |
| 4 | 1.0 | 75.3 | FTB |
| 5 | 1.0 | 74.3 | FTB |
| Average | | 70.0 | |

DS172ABRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-172B

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 52.0 | SE1 FTB | <10 | 48.6 | AD | 100 |
| 2 | 66.5 | SE1 FTB | <10 | 51.6 | SE1 FTB | <10 |
| 3 | 59.1 | SE1 FTB | <10 | 43.7 | AD | 100 |
| 4 | 57.6 | SE1 FTB | <10 | 55.5 | SE1 FTB | <10 |
| 5 | 60.0 | SE1 FTB | <10 | 54.8 | AD-BRK | 20 |
| | 59.0 | | | 50.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.5 | FTB |
| 2 | 1.0 | 76.3 | FTB |
| 3 | 1.0 | 72.3 | FTB |
| 4 | 1.0 | 76.3 | FTB |
| 5 | 1.0 | 74.7 | FTB |
| Average | | 74.9 | |

DS172BBRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/19/95
Technician: D.C.
Machine: ATS-900B/1105

## SAMPLE NO. DS-172B2

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 57.1 | SE1-FTB | <10 | 65.9 | SE1 FTB | <10 |
| 2 | 58.0 | SE1 FTB | <10 | 58.3 | SE1 FTB | <10 |
| 3 | 58.7 | SE1 FTB | <10 | 68.0 | SE1 FTB | <10 |
| 4 | 59.8 | SE1 FTB | <10 | 56.0 | SE1 FTB | <10 |
| 5 | 57.0 | SE1 FTB | <10 | 58.0 | SE1 FTB | <10 |
| | 58.1 | | | 61.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.9 | FTB |
| 2 | 1.0 | 65.8 | FTB |
| 3 | 1.0 | 66.3 | FTB |
| 4 | 1.0 | 66.8 | FTB |
| 5 | 1.0 | 68.5 | FTB |
| Average | | 66.0 | |

DS172B2BR

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-173

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 58.4 | SE1 FTB | <10 | 53.4 | SE1 FTB | <10 |
| 2 | 55.9 | SE1 FTB | <10 | 51.7 | SE1 FTB | <10 |
| 3 | 53.3 | SE1 FTB | <10 | 51.4 | SE1 FTB | <10 |
| 4 | 56.6 | SE1 FTB | <10 | 49.0 | SE1 FTB | <10 |
| 5 | 57.9 | SE1 FTB | <10 | 48.9 | SE1 FTB | <10 |
| | 56.4 | | | 50.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.8 | FTB |
| 2 | 1.0 | 69.6 | FTB |
| 3 | 1.0 | 70.5 | FTB |
| 4 | 1.0 | 72.3 | FTB |
| 5 | 1.0 | 68.7 | FTB |
| Average | | 70.3 | |

DS173BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-174

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 57.1 | SE1 FTB | <10 | 64.2 | SE1 FTB | <10 |
| 2 | 66.8 | SE1 FTB | <10 | 63.6 | SE1 FTB | <10 |
| 3 | 65.3 | SE1 FTB | <10 | 66.7 | SE1 FTB | <10 |
| 4 | 66.8 | SE1 FTB | <10 | 64.3 | SE1 FTB | <10 |
| 5 | 68.8 | SE1 FTB | <10 | 65.8 | SE1 FTB | <10 |
| | 65.0 | | | 64.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.3 | FTB |
| 2 | 1.0 | 77.7 | FTB |
| 3 | 1.0 | 70.6 | FTB |
| 4 | 1.0 | 68.7 | FTB |
| 5 | 1.0 | 72.7 | FTB |
| Average | | 72.8 | |

DS174BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-175

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 61.7 | SE1 FTB | <10 | 59.3 | SE1 FTB | <10 |
| 2 | 61.6 | SE1 FTB | <10 | 67.0 | SE1 FTB | <10 |
| 3 | 64.1 | SE1 FTB | <10 | 61.1 | SE1 FTB | <10 |
| 4 | 63.1 | SE1 FTB | <10 | 68.8 | SE1 FTB | <10 |
| 5 | 60.0 | SE1 FTB | <10 | 64.2 | SE1 FTB | <10 |
| | 62.1 | | | 64.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.1 | FTB |
| 2 | 1.0 | 68.3 | FTB |
| 3 | 1.0 | 78.2 | FTB |
| 4 | 1.0 | 74.2 | FTB |
| 5 | 1.0 | 69.7 | FTB |
| Average | | 72.5 | |

DS175BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-176

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.8 | SE1 FTB | <10 | 66.3 | SE1 FTB | <10 |
| 2 | 70.2 | SE1 FTB | <10 | 68.6 | SE1 FTB | <10 |
| 3 | 72.7 | SE1 FTB | <10 | 71.1 | SE1 FTB | <10 |
| 4 | 70.2 | SE1 FTB | <10 | 77.1 | SE1 FTB | <10 |
| 5 | 74.2 | SE1 FTB | <10 | 72.0 | SE1 FTB | <10 |
| | 71.0 | | | 71.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 79.1 | FTB |
| 2 | 1.0 | 84.5 | FTB |
| 3 | 1.0 | 84.3 | FTB |
| 4 | 1.0 | 87.5 | FTB |
| 5 | 1.0 | 82.7 | FTB |
| Average | | 83.9 | |

DS176BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-177

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 61.3 | SE1 FTB | <10 | 59.8 | SE1 FTB | <10 |
| 2 | 67.8 | SE1 FTB | <10 | 67.2 | SE1 FTB | <10 |
| 3 | 65.5 | SE1 FTB | <10 | 64.6 | SE1 FTB | <10 |
| 4 | 68.1 | SE1 FTB | <10 | 59.1 | SE1 FTB | <10 |
| 5 | 62.2 | SE1 FTB | <10 | 62.0 | SE1 FTB | <10 |
| | 65.0 | | | 62.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.6 | FTB |
| 2 | 1.0 | 68.3 | FTB |
| 3 | 1.0 | 78.8 | FTB |
| 4 | 1.0 | 66.7 | FTB |
| 5 | 1.0 | 68.6 | FTB |
| Average | | 72.6 | |

DS177BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-178

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 59.4 | SE1 FTB | <10 | 60.6 | SE1 FTB | <10 |
| 2 | 60.7 | SE1 FTB | <10 | 56.0 | SE1 FTB | <10 |
| 3 | 63.6 | SE1 FTB | <10 | 62.9 | SE1 FTB | <10 |
| 4 | 67.2 | SE1 FTB | <10 | 66.4 | SE1 FTB | <10 |
| 5 | 65.3 | SE1 FTB | <10 | 59.4 | SE1 FTB | <10 |
| | 63.2 | | | 61.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.7 | FTB |
| 2 | 1.0 | 75.2 | FTB |
| 3 | 1.0 | 74.6 | FTB |
| 4 | 1.0 | 74.7 | FTB |
| 5 | 1.0 | 77.0 | FTB |
| Average | | 74.3 | |

DS178BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-42
Date Tested: 10/12/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-179

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.2 | SE1 FTB | <10 | 69.3 | SE1 FTB | <10 |
| 2 | 60.8 | SE1 FTB | <10 | 60.0 | SE1 FTB | <10 |
| 3 | 61.2 | SE1 FTB | <10 | 57.4 | SE1 FTB | <10 |
| 4 | 60.7 | SE1 FTB | <10 | 60.3 | SE1 FTB | <10 |
| 5 | 55.5 | SE1 FTB | <10 | 59.3 | SE1 FTB | <10 |
| | 61.1 | | | 61.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.9 | FTB |
| 2 | 1.0 | 75.1 | FTB |
| 3 | 1.0 | 62.4 | FTB |
| 4 | 1.0 | 65.8 | FTB |
| 5 | 1.0 | 62.1 | FTB |
| Average | | 67.1 | |

DS179BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-180

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 55.2 | AD-BRK | 50 | 62.1 | SE1 FTB | <10 |
| 2 | 66.0 | SE1 FTB | <10 | 60.8 | SE1 FTB | <10 |
| 3 | 58.3 | SE1 FTB | <10 | 61.7 | SE1 FTB | <10 |
| 4 | 60.7 | SE1 FTB | <10 | 61.6 | SE1 FTB | <10 |
| 5 | 61.5 | SE1 FTB | <10 | 62.0 | SE1 FTB | <10 |
| | 60.3 | | | 61.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.5 | FTB |
| 2 | 1.0 | 71.0 | FTB |
| 3 | 1.0 | 73.5 | FTB |
| 4 | 1.0 | 75.1 | FTB |
| 5 | 1.0 | 79.8 | FTB |
| Average | | 73.8 | |

DS180BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-181

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 60.2 | SE1-FTB | <10 | 53.5 | SE1 FTB | <10 |
| 2 | 69.7 | SE1 FTB | <10 | 55.2 | SE1 FTB | <10 |
| 3 | 65.1 | SE1 FTB | <10 | 64.2 | SE1 FTB | <10 |
| 4 | 61.5 | SE1 FTB | <10 | 60.3 | SE1 FTB | <10 |
| 5 | 68.1 | SE1 FTB | <10 | 55.7 | SE1 FTB | <10 |
| | 64.9 | | | 57.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.4 | FTB |
| 2 | 1.0 | 82.2 | FTB |
| 3 | 1.0 | 69.5 | FTB |
| 4 | 1.0 | 76.4 | FTB |
| 5 | 1.0 | 75.6 | FTB |
| Average | | 76.6 | |

DS181BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-182

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 55.4 | SE1-FTB | <10 | 52.0 | SE1 FTB | <10 |
| 2 | 56.9 | SE1 FTB | <10 | 59.4 | SE1 FTB | <10 |
| 3 | 55.2 | SE1 FTB | <10 | 51.5 | SE1 FTB | <10 |
| 4 | 60.9 | SE1 FTB | <10 | 59.2 | SE1 FTB | <10 |
| 5 | 51.0 | SE1 FTB | <10 | 57.2 | SE1 FTB | <10 |
| | 55.9 | | | 55.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 59.2 | FTB |
| 2 | 1.0 | 63.8 | FTB |
| 3 | 1.0 | 64.8 | FTB |
| 4 | 1.0 | 70.0 | FTB |
| 5 | 1.0 | 69.4 | FTB |
| Average | | 64.5 | |

DS182BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-183

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.3 | SE1-FTB | <10 | 62.2 | SE1 FTB | <10 |
| 2 | 61.3 | SE1 FTB | <10 | 63.4 | SE1 FTB | <10 |
| 3 | 57.1 | SE1 FTB | <10 | 61.4 | SE1 FTB | <10 |
| 4 | 60.1 | SE1 FTB | <10 | 60.7 | SE1 FTB | <10 |
| 5 | 64.3 | SE1 FTB | <10 | 60.7 | SE1 FTB | <10 |
| | 61.2 | | | 61.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.5 | FTB |
| 2 | 1.0 | 70.6 | FTB |
| 3 | 1.0 | 76.1 | FTB |
| 4 | 1.0 | 72.0 | FTB |
| 5 | 1.0 | 71.5 | FTB |
| Average | | 72.6 | |

DS183BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-184

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 55.6 | SE1-FTB | <10 | 58.2 | SE1 FTB | <10 |
| 2 | 64.6 | SE1 FTB | <10 | 46.3 | AD | 100 |
| 3 | 68.6 | SE1 FTB | <10 | 63.1 | SE1 FTB | <10 |
| 4 | 64.1 | SE1 FTB | <10 | 55.2 | SE1 FTB | <10 |
| 5 | 56.7 | SE1 FTB | <10 | 57.0 | SE1 FTB | <10 |
| | 61.9 | | | 56.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.0 | FTB |
| 2 | 1.0 | 71.2 | FTB |
| 3 | 1.0 | 76.0 | FTB |
| 4 | 1.0 | 72.4 | FTB |
| 5 | 1.0 | 73.4 | FTB |
| Average | | 72.4 | |

DS184BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-185

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 54.6 | SE1-FTB | <10 | 56.8 | SE1 FTB | <10 |
| 2 | 55.8 | SE1 FTB | <10 | 61.4 | SE1 FTB | <10 |
| 3 | 62.9 | SE1 FTB | <10 | 64.8 | SE1 FTB | <10 |
| 4 | 60.6 | SE1 FTB | <10 | 56.5 | SE1 FTB | <10 |
| 5 | 60.0 | SE1 FTB | <10 | 58.1 | SE1 FTB | <10 |
| | 58.8 | | | 59.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.1 | FTB |
| 2 | 1.0 | 74.4 | FTB |
| 3 | 1.0 | 70.2 | FTB |
| 4 | 1.0 | 66.3 | FTB |
| 5 | 1.0 | 70.1 | FTB |
| Average | | 71.8 | |

DS185BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-186

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 61.4 | SE1-FTB | <10 | 58.8 | AD-BRK | 50 |
| 2 | 70.6 | SE1 FTB | <10 | 54.6 | SE1 FTB | <10 |
| 3 | 59.7 | SE1 FTB | <10 | 63.8 | SE1 FTB | <10 |
| 4 | 57.8 | SE1 FTB | <10 | 53.3 | AD-BRK | 50 |
| 5 | 61.7 | SE1 FTB | <10 | 55.7 | SE1 FTB | <10 |
| | 62.2 | | | 57.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.3 | FTB |
| 2 | 1.0 | 78.3 | FTB |
| 3 | 1.0 | 80.1 | FTB |
| 4 | 1.0 | 75.1 | FTB |
| 5 | 1.0 | 75.5 | FTB |
| Average | | 76.7 | |

DS186BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/19/95
Technician: D.C.
Machine: ATS-900B/1105

## SAMPLE NO. DS-186A

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.5 | SE1-FTB | <10 | 65.6 | SE1 FTB | <10 |
| 2 | 62.0 | SE1 FTB | <10 | 58.6 | SE1 FTB | <10 |
| 3 | 56.3 | SE1 FTB | <10 | 54.2 | SE1 FTB | <10 |
| 4 | 65.2 | SE1 FTB | <10 | 60.2 | SE1 FTB | <10 |
| 5 | 60.0 | SE1 FTB | <10 | 57.1 | SE1 FTB | <10 |
| | 61.6 | | | 59.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.7 | FTB |
| 2 | 1.0 | 73.6 | FTB |
| 3 | 1.0 | 73.6 | FTB |
| 4 | 1.0 | 73.6 | FTB |
| 5 | 1.0 | 70.0 | FTB |
| Average | | 73.1 | |

DS186ABRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/19/95
Technician: D.C.
Machine: ATS-900B/1105

## SAMPLE NO. DS-186B

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 58.3 | SE1-FTB | <10 | 59.7 | SE1 FTB | <10 |
| 2 | 62.7 | SE1 FTB | <10 | 52.7 | SE1 FTB | <10 |
| 3 | 57.4 | SE1 FTB | <10 | 56.3 | SE1 FTB | <10 |
| 4 | 57.9 | SE1 FTB | <10 | 53.8 | SE1 FTB | <10 |
| 5 | 59.3 | SE1 FTB | <10 | 59.9 | SE1 FTB | <10 |
| | 59.1 | | | 56.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.4 | FTB |
| 2 | 1.0 | 77.5 | FTB |
| 3 | 1.0 | 64.9 | FTB |
| 4 | 1.0 | 69.1 | FTB |
| 5 | 1.0 | 68.5 | FTB |
| Average | | 69.5 | |

DS186BBRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/18/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-187

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 69.0 | SE1 FTB | <10 | 62.6 | SE1 FTB | <10 |
| 2 | 68.5 | SE1 FTB | <10 | 65.0 | SE1 FTB | <10 |
| 3 | 67.8 | SE1 FTB | <10 | 63.8 | SE1 FTB | <10 |
| 4 | 65.5 | SE1 FTB | <10 | 65.3 | SE1 FTB | <10 |
| 5 | 55.3 | SE1 FTB | <10 | 64.0 | SE1 FTB | <10 |
| | 65.2 | | | 64.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.6 | FTB |
| 2 | 1.0 | 76.2 | FTB |
| 3 | 1.0 | 75.8 | FTB |
| 4 | 1.0 | 78.3 | FTB |
| 5 | 1.0 | 77.2 | FTB |
| Average | | 76.7 | |

DS187BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/18/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-188

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.4 | SE1 FTB | <10 | 61.0 | SE1 FTB | <10 |
| 2 | 59.2 | SE1 FTB | <10 | 61.0 | SE1 FTB | <10 |
| 3 | 60.7 | SE1 FTB | <10 | 63.0 | SE1 FTB | <10 |
| 4 | 59.6 | SE1 FTB | <10 | 58.9 | SE1 FTB | <10 |
| 5 | 61.0 | SE1 FTB | <10 | 59.7 | SE1 FTB | <10 |
| | 61.0 | | | 60.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.1 | FTB |
| 2 | 1.0 | 67.0 | FTB |
| 3 | 1.0 | 81.1 | FTB |
| 4 | 1.0 | 78.6 | FTB |
| 5 | 1.0 | 77.3 | FTB |
| Average | | 75.7 | |

DS188BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/18/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-189

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.5 | SE1 FTB | <10 | 68.0 | SE1 FTB | <10 |
| 2 | 65.8 | SE1 FTB | <10 | 67.5 | SE1 FTB | <10 |
| 3 | 65.2 | SE1 FTB | <10 | 60.8 | SE1 FTB | <10 |
| 4 | 59.2 | SE1 FTB | <10 | 61.6 | SE1 FTB | <10 |
| 5 | 66.3 | SE1 FTB | <10 | 58.7 | SE1 FTB | <10 |
| | 64.8 | | | 63.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.0 | FTB |
| 2 | 1.0 | 65.2 | FTB |
| 3 | 1.0 | 67.3 | FTB |
| 4 | 1.0 | 77.7 | FTB |
| 5 | 1.0 | 76.5 | FTB |
| Average | | 70.6 | |

DS189BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/18/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-190

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.1 | SE1 FTB | <10 | 61.0 | SE1 FTB | <10 |
| 2 | 68.1 | SE1 FTB | <10 | 63.2 | SE1 FTB | <10 |
| 3 | 68.8 | SE1 FTB | <10 | 62.2 | SE1 FTB | <10 |
| 4 | 66.0 | SE1 FTB | <10 | 59.4 | SE1 FTB | <10 |
| 5 | 62.4 | SE1 FTB | <10 | 64.2 | SE1 FTB | <10 |
| | 65.7 | | | 62.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.6 | FTB |
| 2 | 1.0 | 81.2 | FTB |
| 3 | 1.0 | 76.1 | FTB |
| 4 | 1.0 | 76.0 | FTB |
| 5 | 1.0 | 75.5 | FTB |
| Average | | 77.0 | |

DS0190BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/18/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-191

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 66.5 | SE1 FTB | <10 | 63.0 | SE1 FTB | <10 |
| 2 | 69.8 | SE1 FTB | <10 | 64.7 | SE1 FTB | <10 |
| 3 | 61.2 | SE1 FTB | <10 | 72.0 | SE1 FTB | <10 |
| 4 | 64.0 | SE1 FTB | <10 | 71.6 | SE1 FTB | <10 |
| 5 | 65.0 | SE1 FTB | <10 | 58.3 | SE1 FTB | <10 |
| | 65.3 | | | 65.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.0 | FTB |
| 2 | 1.0 | 66.0 | FTB |
| 3 | 1.0 | 71.2 | FTB |
| 4 | 1.0 | 75.3 | FTB |
| 5 | 1.0 | 74.2 | FTB |
| Average | | 69.9 | |

DS191BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-192

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 53.9 | SE1 FTB | <10 | 60.7 | SE1 FTB | <10 |
| 2 | 54.9 | SE1 FTB | <10 | 60.5 | SE1 FTB | <10 |
| 3 | 54.6 | SE1 FTB | <10 | 59.7 | SE1 FTB | <10 |
| 4 | 53.7 | SE1 FTB | <10 | 64.4 | SE1 FTB | <10 |
| 5 | 58.8 | SE1 FTB | <10 | 61.5 | SE1 FTB | <10 |
| | 55.2 | | | 61.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.8 | FTB |
| 2 | 1.0 | 70.8 | FTB |
| 3 | 1.0 | 75.9 | FTB |
| 4 | 1.0 | 73.7 | FTB |
| 5 | 1.0 | 69.7 | FTB |
| Average | | 74.1 | |

DS192BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport Landfill
Material: 40 mil VLDPE Textured
Weld Type: Double Fusion

Job No.: 95G1821-43
Date Tested: 10/16/95
Technician: C.T., B.H.
Machine: ATS-900B/1105

## SAMPLE NO. DS-193

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.8 | SE1 FTB | <10 | 61.6 | SE1 FTB | <10 |
| 2 | 61.3 | SE1 FTB | <10 | 64.6 | SE1 FTB | <10 |
| 3 | 59.2 | SE1 FTB | <10 | 54.0 | SE1 FTB | <10 |
| 4 | 63.5 | SE1 FTB | <10 | 66.5 | SE1 FTB | <10 |
| 5 | 68.8 | SE1 FTB | <10 | 44.1 | SE1 FTB | <10 |
| | 63.5 | | | 58.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.7 | FTB |
| 2 | 1.0 | 81.1 | FTB |
| 3 | 1.0 | 78.6 | FTB |
| 4 | 1.0 | 79.7 | FTB |
| 5 | 1.0 | 80.0 | FTB |
| Average | | 78.5 | |

DS193BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-194

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.8 | SE1 FTB | <10 | 60.3 | SE1 FTB | <10 |
| 2 | 55.5 | SE1 FTB | <10 | 68.2 | SE1 FTB | <10 |
| 3 | 66.7 | SE1 FTB | <10 | 64.5 | SE1 FTB | <10 |
| 4 | 68.1 | SE1 FTB | <10 | 64.8 | SE1 FTB | <10 |
| 5 | 60.2 | SE1 FTB | <10 | 59.5 | SE1 FTB | <10 |
| | 63.7 | | | 63.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.2 | FTB |
| 2 | 1.0 | 62.8 | FTB |
| 3 | 1.0 | 70.1 | FTB |
| 4 | 1.0 | 62.5 | FTB |
| 5 | 1.0 | 67.3 | FTB |
| Average | | 65.2 | |

*DS194MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-195

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 60.0 | SE1 FTB | <10 | 60.9 | SE1 FTB | <10 |
| 2 | 58.2 | SE1 FTB | <10 | 57.4 | SE1 FTB | <10 |
| 3 | 56.6 | SE1 FTB | <10 | 62.2 | SE1 FTB | <10 |
| 4 | 58.2 | SE1 FTB | <10 | 58.5 | SE1 FTB | <10 |
| 5 | 57.7 | SE1 FTB | <10 | 58.6 | SE1 FTB | <10 |
| | 58.1 | | | 59.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.0 | FTB |
| 2 | 1.0 | 66.5 | FTB |
| 3 | 1.0 | 81.3 | FTB |
| 4 | 1.0 | 71.8 | FTB |
| 5 | 1.0 | 65.3 | FTB |
| Average | | 71.7 | |

*DS195MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-196

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 77.3 | SE1 FTB | <10 | 65.8 | SE1 FTB | <10 |
| 2 | 63.5 | SE1 FTB | <10 | 67.2 | SE1 FTB | <10 |
| 3 | 64.0 | SE1 FTB | <10 | 68.1 | SE1 FTB | <10 |
| 4 | 64.3 | SE1 FTB | <10 | 67.1 | SE1 FTB | <10 |
| 5 | 58.5 | SE1 FTB | <10 | 58.4 | SE1 FTB | <10 |
| | 65.5 | | | 65.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.6 | FTB |
| 2 | 1.0 | 74.8 | FTB |
| 3 | 1.0 | 76.7 | FTB |
| 4 | 1.0 | 77.3 | FTB |
| 5 | 1.0 | 76.8 | FTB |
| Average | | 76.9 | |

*DS196MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-197

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.0 | SE1 FTB | <10 | 60.5 | SE1 FTB | <10 |
| 2 | 63.6 | SE1 FTB | <10 | 60.6 | SE1 FTB | <10 |
| 3 | 68.5 | SE1 FTB | <10 | 64.3 | SE1 FTB | <10 |
| 4 | 62.3 | SE1 FTB | <10 | 69.0 | SE1 FTB | <10 |
| 5 | 63.3 | SE1 FTB | <10 | 61.0 | SE1 FTB | <10 |
| | 64.5 | | | 63.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.3 | FTB |
| 2 | 1.0 | 73.6 | FTB |
| 3 | 1.0 | 77.7 | FTB |
| 4 | 1.0 | 68.2 | FTB |
| 5 | 1.0 | 70.0 | FTB |
| Average | | 73.0 | |

*DS197MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-198

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.8 | SE1 FTB | <10 | 75.5 | SE1 FTB | <10 |
| 2 | 67.1 | SE1 FTB | <10 | 51.3 | SE1 FTB | <10 |
| 3 | 65.0 | SE1 FTB | <10 | 67.2 | SE1 FTB | <10 |
| 4 | 65.1 | SE1 FTB | <10 | 63.7 | SE1 FTB | <10 |
| 5 | 63.5 | SE1 FTB | <10 | 69.0 | SE1 FTB | <10 |
| | 65.7 | | | 65.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.3 | FTB |
| 2 | 1.0 | 73.8 | FTB |
| 3 | 1.0 | 72.5 | FTB |
| 4 | 1.0 | 69.8 | FTB |
| 5 | 1.0 | 71.3 | FTB |
| Average | | 72.1 | |

*DS198MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-199

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.1 | SE1 FTB | <10 | 58.4 | SE1 FTB | <10 |
| 2 | 55.9 | SE1 FTB | <10 | 59.2 | SE1 FTB | <10 |
| 3 | 55.6 | SE1 FTB | <10 | 64.7 | SE1 FTB | <10 |
| 4 | 53.8 | SE1 FTB | <10 | 55.0 | SE1 FTB | <10 |
| 5 | 63.3 | SE1 FTB | <10 | 60.0 | SE1 FTB | <10 |
| | 59.1 | | | 59.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.2 | FTB |
| 2 | 1.0 | 74.9 | FTB |
| 3 | 1.0 | 76.2 | FTB |
| 4 | 1.0 | 74.2 | FTB |
| 5 | 1.0 | 76.0 | FTB |
| Average | | 75.4 | |

*DS199MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-46 |
| Project: | Northport Landfill | Date Tested: | 10/20/95 |
| Material: | 40 mil VLDPE Textured | Technician: | C.T., B.H. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-200

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.1 | SE1 FTB | <10 | 61.3 | SE1 FTB | <10 |
| 2 | 64.4 | SE1 FTB | <10 | 63.0 | SE1 FTB | <10 |
| 3 | 63.5 | SE1 FTB | <10 | 61.8 | SE1 FTB | <10 |
| 4 | 66.8 | SE1 FTB | <10 | 58.3 | SE1 FTB | <10 |
| 5 | 61.5 | SE1 FTB | <10 | 59.5 | SE1 FTB | <10 |
| | 63.9 | | | 60.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.0 | FTB |
| 2 | 1.0 | 74.7 | FTB |
| 3 | 1.0 | 63.1 | FTB |
| 4 | 1.0 | 76.0 | FTB |
| 5 | 1.0 | 77.2 | FTB |
| Average | | 70.5 | |

*DS200MASL*

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-201

Peel Adhesion Test Data ASTM D-413

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | INSIDE TRACK Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 64.1 | SE1 FTB | < 10 | 59.6 | SE1 FTB | < 10 |
| 2 | 71.3 | SE1 FTB | < 10 | 68.8 | SE1 FTB | < 10 |
| 3 | 70.1 | SE1 FTB | < 10 | 57.2 | SE1 FTB | < 10 |
| 4 | 63.2 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| 5 | 68.3 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| | 67.4 | | | 62.7 | | |

Bonded Seam (Shear) ASTM D-3083

| Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.5 | FTB |
| 2 | 1.0 | 70.8 | FTB |
| 3 | 1.0 | 77.2 | FTB |
| 4 | 1.0 | 74.2 | FTB |
| | 1.0 | 76.6 | FTB |
| Average | | 74.4 | |

DS201BRL

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.N.
Machine: ATS-900B/1105

## SAMPLE NO. DS-202

ASTM-413

Peel Adhesion Test Data

| Replicate No. | TSIDE TRACK Peak Load (lbs) | Comments | Separation (%) | INSIDE TRACK Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|---|---|
| 1 | 62.0 | SE1 FTB | < 10 | 49.5 | BRK | < 10 |
| 2 | 64.2 | SE1 FTB | < 10 | 72.1 | SE1 FTB | < 10 |
| 3 | 66.1 | SE1 FTB | < 10 | 75.4 | SE1 FTB | < 10 |
| 4 | 60.4 | BRK | < 10 | 63.7 | SE1 FTB | < 10 |
| 5 | 65.1 | SE1 FTB | < 10 | 64.2 | BRK | < 10 |
| | 63.6 | | | 65.0 | | |

ASTM D-3083

Bonded Seam (Shear)

| Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.8 | FTB |
| 2 | 1.0 | 78.7 | FTB |
| 3 | 1.0 | 78.7 | FTB |
| 4 | 1.0 | 78.7 | FTB |
| 5 | 1.0 | 77.4 | FTB |
| Average | | 77.2 | |

DS202BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Extrusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-203

Peel Adhesion Test Data

| OUTSIDE TRACK Replicate No. | Peak Load (lbs) | Comments | INSIDE TRACK Separation (%) |
|---|---|---|---|
| 1 | 58.6 | SE3 FTB | < 10 |
| 2 | 49.2 | SE3 FTB | < 10 |
| 3 | 55.8 | SE3 FTB | < 10 |
| 4 | 53.2 | SE3 FTB | < 10 |
| 5 | 54.0 | SE3 FTB | < 10 |
| | 54.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 60.2 | FTB |
| 2 | 1.0 | 70.0 | FTB |
| 3 | 1.0 | 64.2 | FTB |
| 4 | 1.0 | 61.0 | FTB |
| 5 | 1.0 | 63.8 | FTB |
| Average | | 63.9 | |

DS203MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-204

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 60.5 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 2 | 61.3 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| 3 | 59.6 | SE1 FTB | < 10 | 52.3 | SE1 FTB | < 10 |
| 4 | 66.3 | SE1 FTB | < 10 | 61.2 | SE1 FTB | < 10 |
| 5 | 60.7 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| | 61.7 | | | 57.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 78.8 | FTB |
| 2 | 1.0 | 82.6 | FTB |
| 3 | 1.0 | 66.3 | FTB |
| 4 | 1.0 | 73.5 | FTB |
| 5 | 1.0 | 75.1 | FTB |
| Average | | 75.3 | |

DS204MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-205

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 64.4 | SE1 FTB | < 10 | 74.3 | SE1 FTB | < 10 |
| 2 | 62.1 | SE1 FTB | < 10 | 75.6 | SE1 FTB | < 10 |
| 3 | 60.5 | SE1 FTB | < 10 | 72.8 | SE1 FTB | < 10 |
| 4 | 62.4 | SE1 FTB | < 10 | 73.6 | SE1 FTB | < 10 |
| 5 | 70.0 | SE1 FTB | < 10 | 69.1 | SE1 FTB | < 10 |
| | 63.9 | | | 73.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.5 | FTB |
| 2 | 1.0 | 77.3 | FTB |
| 3 | 1.0 | 75.0 | FTB |
| 4 | 1.0 | 78.9 | FTB |
| 5 | 1.0 | 68.2 | FTB |
| Average | | 75.7 | |

DS205MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-206

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 69.6 | SE1 FTB | < 10 | 54.2 | SE1 FTB | < 10 |
| 2 | 68.2 | SE1 FTB | < 10 | 67.0 | SE1 FTB | < 10 |
| 3 | 71.0 | SE1 FTB | < 10 | 68.2 | SE1 FTB | < 10 |
| 4 | 67.8 | SE1 FTB | < 10 | 56.0 | SE1 FTB | < 10 |
| 5 | 68.1 | SE1 FTB | < 10 | 67.3 | SE1 FTB | < 10 |
| | 68.9 | | | 62.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.8 | FTB |
| 2 | 1.0 | 63.2 | FTB |
| 3 | 1.0 | 76.7 | FTB |
| 4 | 1.0 | 75.9 | FTB |
| 5 | 1.0 | 68.2 | FTB |
| Average | | 72.2 | |

DS206MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-207

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.2 | SE1 FTB | < 10 | 63.9 | SE1 FTB | < 10 |
| 2 | 68.5 | SE1 FTB | < 10 | 75.0 | SE1 FTB | < 10 |
| 3 | 64.4 | SE1 FTB | < 10 | 61.1 | SE1 FTB | < 10 |
| 4 | 67.7 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 5 | 68.9 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| | 66.5 | | | 65.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.0 | FTB |
| 2 | 1.0 | 85.1 | FTB |
| 3 | 1.0 | 73.3 | FTB |
| 4 | 1.0 | 74.0 | FTB |
| 5 | 1.0 | 72.0 | FTB |
| Average | | 76.6 | |

DS207MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-45
Date Tested: 10/26/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-208

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 68.7 | SE1 FTB | < 10 | 67.5 | SE1 FTB | < 10 |
| 2 | 69.5 | SE1 FTB | < 10 | 60.2 | SE1 FTB | < 10 |
| 3 | 70.2 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 4 | 61.4 | SE1 FTB | < 10 | 54.4 | SE1 FTB | < 10 |
| 5 | 63.1 | SE1 FTB | < 10 | 62.4 | SE1 FTB | < 10 |
| | 66.6 | | | 61.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.0 | FTB |
| 2 | 1.0 | 82.0 | FTB |
| 3 | 1.0 | 80.2 | FTB |
| 4 | 1.0 | 79.6 | FTB |
| 5 | 1.0 | 79.8 | FTB |
| Average | | 80.5 | |

DS208MSL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-47 |
| Project: | Northport/Huntington Landfill | Date Tested: | 10/31/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-209

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 66.0 | SE1 FTB | < 10 | 66.4 | SE1 FTB | < 10 |
| 2 | 59.6 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| 3 | 65.9 | SE1 FTB | < 10 | 64.3 | SE1 FTB | < 10 |
| 4 | 65.0 | SE1 FTB | < 10 | 66.5 | SE1 FTB | < 10 |
| 5 | 59.2 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| | 63.1 | | | 63.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.0 | FTB |
| 2 | 1.0 | 75.2 | FTB |
| 3 | 1.0 | 77.5 | FTB |
| 4 | 1.0 | 74.7 | FTB |
| 5 | 1.0 | 79.3 | FTB |
| Average | | 75.1 | |

*DS209MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-47 |
| Project: | Northport/Huntington Landfill | Date Tested: | 10/31/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-210

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.6 | SE1 FTB | < 10 | 62.3 | SE1 FTB | < 10 |
| 2 | 62.7 | SE1 FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| 3 | 68.8 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| 4 | 60.5 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 5 | 65.2 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| | 64.2 | | | 65.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.5 | FTB |
| 2 | 1.0 | 74.5 | FTB |
| 3 | 1.0 | 74.7 | FTB |
| 4 | 1.0 | 74.5 | FTB |
| 5 | 1.0 | 73.2 | FTB |
| Average | | 72.8 | |

*DS210MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-46
Date Tested: 10/30/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-211

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 68.3 | SE1 FTB | < 10 | 67.7 | SE1 FTB | < 10 |
| 2 | 68.0 | SE1 FTB | < 10 | 63.5 | SE1 FTB | < 10 |
| 3 | 66.2 | SE1 FTB | < 10 | 65.6 | SE1 FTB | < 10 |
| 4 | 63.5 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| 5 | 70.3 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| | 67.3 | | | 64.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 80.0 | FTB |
| 2 | 1.0 | 80.6 | FTB |
| 3 | 1.0 | 80.4 | FTB |
| 4 | 1.0 | 81.7 | FTB |
| 5 | 1.0 | 79.5 | FTB |
| Average | | 80.7 | |

DS211BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-47 |
| Project: | Northport/Huntington Landfill | Date Tested: | 10/31/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-212

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.6 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 2 | 66.2 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 3 | 66.7 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 4 | 62.6 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 5 | 71.2 | SE1 FTB | < 10 | 57.3 | SE1 FTB | < 10 |
| | 66.9 | | | 62.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 68.6 | FTB |
| 2 | 1.0 | 62.3 | FTB |
| 3 | 1.0 | 75.7 | FTB |
| 4 | 1.0 | 74.8 | FTB |
| 5 | 1.0 | 72.5 | FTB |
| Average | | 70.4 | |

*DS212MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-47 |
| Project: | Northport/Huntington Landfill | Date Tested: | 10/31/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-213

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 60.1 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 2 | 61.6 | SE1 FTB | < 10 | 61.9 | SE1 FTB | < 10 |
| 3 | 58.7 | SE1 FTB | < 10 | 60.2 | SE1 FTB | < 10 |
| 4 | 58.5 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| 5 | 61.8 | SE1 FTB | < 10 | 62.0 | SE1 FTB | < 10 |
| | 60.1 | | | 62.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 70.8 | FTB |
| 2 | 1.0 | 69.2 | FTB |
| 3 | 1.0 | 72.2 | FTB |
| 4 | 1.0 | 71.0 | FTB |
| 5 | 1.0 | 70.0 | FTB |
| Average | | 70.8 | |

*DS213MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-413, D-3083*

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Extrusion

Job No.: 95G1821-46
Date Tested: 10/30/95
Technician: C.T.
Machine: ATS-900B/1105

## SAMPLE NO. DS-214

Peel Adhesion Test Data

| Replicate No. | OUTSIDE TRACK Peak Load (lbs) | Comments | INSIDE TRACK Separation (%) |
|---|---|---|---|
| 1 | 63.7 | SE3 FTB | < 10 |
| 2 | 59.5 | SE3 FTB | < 10 |
| 3 | 57.0 | SE3 FTB | < 10 |
| 4 | 62.6 | SE3 FTB | < 10 |
| 5 | 58.5 | SE3 FTB | < 10 |
| | 60.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 61.8 | FTB |
| 2 | 1.0 | 75.3 | FTB |
| 3 | 1.0 | 96.7 | FTB |
| 4 | 1.0 | 120.8 | FTB |
| 5 | 1.0 | 72.3 | FTB |
| Average | | 88.7 | |

DS214BRL

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-47 |
| Project: | Northport/Huntington Landfill | Date Tested: | 10/31/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-215

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 59.5 | SE1 FTB | < 10 | 69.2 | SE1 FTB | < 10 |
| 2 | 55.1 | SE1 FTB | < 10 | 70.1 | SE1 FTB | < 10 |
| 3 | 55.5 | SE1 FTB | < 10 | 62.7 | SE1 FTB | < 10 |
| 4 | 54.0 | SE1 FTB | < 10 | 64.6 | SE1 FTB | < 10 |
| 5 | 56.8 | SE1 FTB | < 10 | 65.1 | SE1 FTB | < 10 |
| | 56.2 | | | 66.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.0 | FTB |
| 2 | 1.0 | 81.0 | FTB |
| 3 | 1.0 | 80.0 | FTB |
| 4 | 1.0 | 73.6 | FTB |
| 5 | 1.0 | 74.8 | FTB |
| Average | | 77.4 | |

*DS215MASL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-49 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/7/95 |
| Material: | 40 mil VLDPE Text. | Technician: | D.C. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-216

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 57.6 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 2 | 61.5 | SE1 FTB | < 10 | 62.1 | SE1 FTB | < 10 |
| 3 | 61.1 | SE1 FTB | < 10 | 60.4 | SE1 FTB | < 10 |
| 4 | 64.2 | SE1 FTB | < 10 | 54.4 | SE1 FTB | < 10 |
| 5 | 56.6 | SE1 FTB | < 10 | 59.3 | SE1 FTB | < 10 |
| | 60.2 | | | 59.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 64.3 | FTB |
| 2 | 1.0 | 66.4 | FTB |
| 3 | 1.0 | 66.7 | FTB |
| 4 | 1.0 | 72.5 | FTB |
| 5 | 1.0 | 65.3 | FTB |
| Average | | 67.5 | |

*DS216MAS*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-49 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/7/95 |
| Material: | 40 mil VLDPE Textured | Technician: | D.C |
| Weld Type: | Extrusion Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-217

Peel Adhesion Test Data

| Replicate No. | TOP WELD Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 57.1 | SE3 FTB | < 10 |
| 2 | 51.5 | SE3 FTB | < 10 |
| 3 | 54.5 | SE3 FTB | < 10 |
| 4 | 47.7 | SE3 FTB | < 10 |
| 5 | 52.4 | SE3 FTB | < 10 |
| Average | 52.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.5 | FTB |
| 2 | 1.0 | 74.4 | FTB |
| 3 | 1.0 | 56.0 | FTB |
| 4 | 1.0 | 61.8 | FTB |
| 5 | 1.0 | 62.1 | FTB |
| Average | | 64.2 | |

*DS217MAS*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-50 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/9/95 |
| Material: | 40 mil VLDPE Textured | Technician: | D.C |
| Weld Type: | Extrusion Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-218

Peel Adhesion Test Data

| Replicate No. | TOP WELD Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 69.0 | SE3 FTB | < 10 |
| 2 | 64.7 | SE3 FTB | < 10 |
| 3 | 62.8 | SE3 FTB | < 10 |
| 4 | 43.2 | SE3 FTB | < 10 |
| 5 | 56.0 | SE3 FTB | < 10 |
| Average | 59.1 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 57.8 | FTB |
| 2 | 1.0 | 56.3 | FTB |
| 3 | 1.0 | 58.7 | FTB |
| 4 | 1.0 | 56.3 | FTB |
| 5 | 1.0 | 56.0 | FTB |
| Average | | 57.0 | |

*DS218MAS*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-50 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/9/95 |
| Material: | 40 mil VLDPE Text. | Technician: | D.C. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-219

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 55.6 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 2 | 57.3 | SE1 FTB | < 10 | 61.1 | SE1 FTB | < 10 |
| 3 | 54.0 | SE1 FTB | < 10 | 57.2 | SE1 FTB | < 10 |
| 4 | 56.7 | SE1 FTB | < 10 | 59.2 | SE1 FTB | < 10 |
| 5 | 55.7 | SE1 FTB | < 10 | 57.6 | SE1 FTB | < 10 |
| | 55.9 | | | 59.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 52.0 | FTB |
| 2 | 1.0 | 51.3 | FTB |
| 3 | 1.0 | 53.6 | FTB |
| 4 | 1.0 | 53.2 | FTB |
| 5 | 1.0 | 54.7 | FTB |
| Average | | 52.5 | |

*DS219MAS*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-50 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/9/95 |
| Material: | 40 mil VLDPE Text. | Technician: | D.C. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-220

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 69.1 | SE1 FTB | < 10 | 61.3 | SE1 FTB | < 10 |
| 2 | 70.6 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 3 | 69.0 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 4 | 74.8 | SE1 FTB | < 10 | 57.1 | SE1 FTB | < 10 |
| 5 | 74.2 | SE1 FTB | < 10 | 63.7 | SE1 FTB | < 10 |
| | 71.5 | | | 61.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 54.6 | FTB |
| 2 | 1.0 | 54.0 | FTB |
| 3 | 1.0 | 54.8 | FTB |
| 4 | 1.0 | 54.8 | FTB |
| 5 | 1.0 | 54.7 | FTB |
| Average | | 54.6 | |

*DS220MAS*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-51 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/10/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.N. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-221

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 65.6 | SE1 FTB | < 10 | 58.4 | SE1 FTB | < 10 |
| 2 | 67.0 | SE1 FTB | < 10 | 54.1 | SE1 FTB | < 10 |
| 3 | 74.3 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 4 | 67.1 | SE1 FTB | < 10 | 57.3 | SE1 FTB | < 10 |
| 5 | 61.2 | SE1 FTB | < 10 | 58.0 | SE1 FTB | < 10 |
| | 67.0 | | | 57.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.5 | FTB |
| 2 | 1.0 | 72.4 | FTB |
| 3 | 1.0 | 68.1 | FTB |
| 4 | 1.0 | 72.3 | FTB |
| 5 | 1.0 | 65.3 | FTB |
| Average | | 70.6 | |

*DS221MAS*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-52 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/14/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-222

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 70.5 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 2 | 65.2 | SE1 FTB | < 10 | 64.2 | SE1 FTB | < 10 |
| 3 | 66.8 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| 4 | 70.0 | SE1 FTB | < 10 | 62.8 | SE1 FTB | < 10 |
| 5 | 65.0 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| | 67.5 | | | 62.7 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 76.7 | FTB |
| 2 | 1.0 | 75.5 | FTB |
| 3 | 1.0 | 76.2 | FTB |
| 4 | 1.0 | 75.7 | FTB |
| 5 | 1.0 | 75.3 | FTB |
| Average | | 76.0 | |

*DS222BRL*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-53 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/15/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-223

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 61.5 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 2 | 71.1 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 3 | 63.0 | SE1 FTB | < 10 | 63.1 | SE1 FTB | < 10 |
| 4 | 65.6 | SE1 FTB | < 10 | 61.1 | SE1 FTB | < 10 |
| 5 | 67.6 | SE1 FTB | < 10 | 65.2 | SE1 FTB | < 10 |
| | 65.8 | | | 63.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 72.8 | FTB |
| 2 | 1.0 | 70.2 | FTB |
| 3 | 1.0 | 78.0 | FTB |
| 4 | 1.0 | 75.0 | FTB |
| 5 | 1.0 | 68.5 | FTB |
| Average | | 74.0 | |

*DS223mas*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-54 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/20/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.N. |
| Weld Type: | Top Weld | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-224

Peel Adhesion Test Data

TOP

| Replicate No. | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 56.4 | SE3 FTB | < 10 |
| 2 | 62.6 | SE3 FTB | < 10 |
| 3 | 55.8 | SE3 FTB | < 10 |
| 4 | 55.0 | SE3 FTB | < 10 |
| 5 | 57.2 | SE3 FTB | < 10 |
| | 57.4 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.2 | FTB |
| 2 | 1.0 | 60.1 | FTB |
| 3 | 1.0 | 69.7 | FTB |
| 4 | 1.0 | 66.3 | FTB |
| 5 | 1.0 | 65.6 | FTB |
| Average | | 65.6 | |

*DS224mas*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-54 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/20/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.N. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-225

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 56.1 | SE1 FTB | < 10 | 60.0 | SE1 FTB | < 10 |
| 2 | 54.0 | SE1 FTB | < 10 | 54.8 | SE1 FTB | < 10 |
| 3 | 58.2 | SE1 FTB | < 10 | 50.0 | SE1 FTB | < 10 |
| 4 | 55.6 | SE1 FTB | < 10 | 52.0 | SE1 FTB | < 10 |
| 5 | 59.3 | SE1 FTB | < 10 | 50.8 | SE1 FTB | < 10 |
| | 56.6 | | | 53.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 69.6 | FTB |
| 2 | 1.0 | 70.0 | FTB |
| 3 | 1.0 | 71.2 | FTB |
| 4 | 1.0 | 68.8 | FTB |
| 5 | 1.0 | 71.0 | FTB |
| Average | | 69.9 | |

*DS225mas*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-54 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/20/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.N. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-226

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 59.6 | SE1 FTB | < 10 | 59.8 | SE1 FTB | < 10 |
| 2 | 58.8 | SE1 FTB | < 10 | 57.3 | SE1 FTB | < 10 |
| 3 | 58.0 | SE1 FTB | < 10 | 58.2 | SE1 FTB | < 10 |
| 4 | 61.0 | SE1 FTB | < 10 | 57.7 | SE1 FTB | < 10 |
| 5 | 53.2 | SE1 FTB | < 10 | 54.3 | SE1 FTB | < 10 |
| | 58.1 | | | 57.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 74.3 | FTB |
| 2 | 1.0 | 70.3 | FTB |
| 3 | 1.0 | 73.8 | FTB |
| 4 | 1.0 | 76.1 | FTB |
| 5 | 1.0 | 76.3 | FTB |
| Average | | 73.6 | |

*DS226mas*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-55 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/22/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Top Weld | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-227

Peel Adhesion Test Data

TOP

| Replicate No. | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 78.3 | SE1 FTB | < 10 |
| 2 | 69.4 | SE1 FTB | < 10 |
| 3 | 55.5 | SE1 FTB | < 10 |
| 4 | 75.6 | SE1 FTB | < 10 |
| 5 | 77.2 | SE1 FTB | < 10 |
| | 71.2 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.6 | FTB |
| 2 | 1.0 | 68.6 | FTB |
| 3 | 1.0 | 66.6 | FTB |
| 4 | 1.0 | 67.5 | FTB |
| 5 | 1.0 | 71.3 | FTB |
| Average | | 68.6 | |

*DS227mas*

# PEEL AND SHEAR TEST RESULTS

*ASTM D-4437*

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-55 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/22/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | *ATS-900B/110* |

## SAMPLE NO. DS-228

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 59.2 | SE1 FTB | < 10 | 65.5 | SE1 FTB | < 10 |
| 2 | 64.9 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| 3 | 66.1 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 4 | 66.6 | SE1 FTB | < 10 | 63.3 | SE1 FTB | < 10 |
| 5 | 63.2 | SE1 FTB | < 10 | 62.6 | SE1 FTB | < 10 |
| | 64.0 | | | 62.9 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.5 | FTB |
| 2 | 1.0 | 69.6 | FTB |
| 3 | 1.0 | 73.6 | FTB |
| 4 | 1.0 | 78.5 | FTB |
| 5 | 1.0 | 73.6 | FTB |
| Average | | 72.3 | |

*DS228mas*

# PEEL AND SHEAR TEST RESULTS

ASTM D–4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821–56 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/27/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C. N. |
| Weld Type: | Double Fusion | Machine: | ATS–900B/1105 |

## SAMPLE NO. DS–229

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 59.4 | SE1 FTB | < 10 | 57.6 | SE1 FTB | < 10 |
| 2 | 55.9 | SE1 FTB | < 10 | 61.6 | SE1 FTB | < 10 |
| 3 | 61.8 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| 4 | 50.4 | SE1 FTB | < 10 | 61.7 | SE1 FTB | < 10 |
| 5 | 58.2 | SE1 FTB | < 10 | 59.4 | SE1 FTB | < 10 |
| | 57.1 | | | 59.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 67.6 | FTB |
| 2 | 1.0 | 77.5 | FTB |
| 3 | 1.0 | 69.5 | FTB |
| 4 | 1.0 | 72.6 | FTB |
| 5 | 1.0 | 65.1 | FTB |
| Average | | 71.8 | |

*DS229mas*

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-57
Date Tested: 11/28/95
Technician: D.C.
Machine: ATS-900B/1105

## SAMPLE NO. DS-230

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 62.3 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| 2 | 61.6 | SE1 FTB | < 10 | 58.1 | SE1 FTB | < 10 |
| 3 | 63.1 | SE1 FTB | < 10 | 61.8 | SE1 FTB | < 10 |
| 4 | 69.7 | SE1 FTB | < 10 | 63.2 | SE1 FTB | < 10 |
| 5 | 57.7 | SE1 FTB | < 10 | 72.0 | SE1 FTB | < 10 |
| | 62.9 | | | 62.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 54.3 | FTB |
| 2 | 1.0 | 53.0 | FTB |
| 3 | 1.0 | 53.2 | FTB |
| 4 | 1.0 | 54.5 | FTB |
| 5 | 1.0 | 53.5 | FTB |
| Average | | 53.8 | |

DS230DT

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

Client: Cashin & Associates
Project: Northport/Huntington Landfill
Material: 40 mil VLDPE Text.
Weld Type: Double Fusion

Job No.: 95G1821-57
Date Tested: 11/28/95
Technician: D.C.
Machine: ATS-900B/1105

## SAMPLE NO. DS-231

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 67.3 | SE1 FTB | < 10 | 60.1 | SE1 FTB | < 10 |
| 2 | 65.2 | SE1 FTB | < 10 | 62.2 | SE1 FTB | < 10 |
| 3 | 74.0 | SE1 FTB | < 10 | 68.0 | SE1 FTB | < 10 |
| 4 | 71.0 | SE1 FTB | < 10 | 60.5 | SE1 FTB | < 10 |
| 5 | 67.0 | SE1 FTB | < 10 | 69.0 | SE1 FTB | < 10 |
| | 68.9 | | | 64.0 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 55.0 | FTB |
| 2 | 1.0 | 56.0 | FTB |
| 3 | 1.0 | 56.4 | FTB |
| 4 | 1.0 | 56.1 | FTB |
| 5 | 1.0 | 56.6 | FTB |
| Average | | 55.9 | |

DS230DT

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-58 |
| Project: | Northport/Huntington Landfill | Date Tested: | 11/29/95 |
| Material: | 40 mil VLDPE Text. | Technician: | B.H. |
| Weld Type: | Top Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-232

Peel Adhesion Test Data

TOP

| Replicate No. | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 70.0 | SE3 FTB | < 10 |
| 2 | 66.8 | SE3 FTB | < 10 |
| 3 | 70.6 | SE3 FTB | < 10 |
| 4 | 45.0 | SE3 FTB | < 10 |
| 5 | 55.4 | SE3 FTB | < 10 |
| | 61.6 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 65.2 | FTB |
| 2 | 1.0 | 62.9 | FTB |
| 3 | 1.0 | 63.7 | FTB |
| 4 | 1.0 | 69.6 | FTB |
| 5 | 1.0 | 66.4 | FTB |
| Average | | 65.4 | |

DS232mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| **Client:** | Cashin & Associates | **Job No.:** | 95G1821-58 |
| **Project:** | Northport/Huntington Landfill | **Date Tested:** | 12/1/95 |
| **Material:** | 40 mil VLDPE Text. | **Technician:** | C.T. |
| **Weld Type:** | Double Fusion | **Machine:** | ATS-900B/1105 |

## SAMPLE NO. DS-233

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | | INSIDE TRACK | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 71.7 | SE1 FTB | < 10 | 60.3 | SE1 FTB | < 10 |
| 2 | 60.9 | SE1 FTB | < 10 | 65.0 | SE1 FTB | < 10 |
| 3 | 67.8 | SE1 FTB | < 10 | 60.6 | SE1 FTB | < 10 |
| 4 | 63.7 | SE1 FTB | < 10 | 64.7 | SE1 FTB | < 10 |
| 5 | 67.6 | SE1 FTB | < 10 | 57.4 | SE1 FTB | < 10 |
| | 66.3 | | | 61.6 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 84.5 | FTB |
| 2 | 1.0 | 88.3 | FTB |
| 3 | 1.0 | 59.7 | FTB |
| 4 | 1.0 | 84.8 | FTB |
| 5 | 1.0 | 84.6 | FTB |
| Average | | 79.3 | |

DS233mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-59 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/5/95 |
| Material: | 40 mil VLDPE Text. | Technician: | D.C. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-234

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 55.5 | SE1 FTB | < 10 | 56.3 | SE1 FTB | < 10 |
| 2 | 64.0 | SE1 FTB | < 10 | 73.5 | SE1 FTB | < 10 |
| 3 | 55.5 | SE1 FTB | < 10 | 51.8 | SE1 FTB | < 10 |
| 4 | 57.3 | SE1 FTB | < 10 | 54.5 | SE1 FTB | < 10 |
| 5 | 65.1 | SE1 FTB | < 10 | 66.6 | SE1 FTB | < 10 |
| | 59.5 | | | 60.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 53.3 | FTB |
| 2 | 1.0 | 53.9 | FTB |
| 3 | 1.0 | 53.2 | FTB |
| 4 | 1.0 | 55.0 | FTB |
| 5 | 1.0 | 55.6 | FTB |
| Average | | 53.9 | |

DS234mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-59 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/5/95 |
| Material: | 40 mil VLDPE Text. | Technician: | D.C. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-235

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 58.0 | SE1 FTB | < 10 | 58.4 | SE1 FTB | < 10 |
| 2 | 60.4 | SE1 FTB | < 10 | 56.3 | SE1 FTB | < 10 |
| 3 | 59.8 | SE1 FTB | < 10 | 61.0 | SE1 FTB | < 10 |
| 4 | 68.9 | SE1 FTB | < 10 | 58.4 | SE1 FTB | < 10 |
| 5 | 58.1 | SE1 FTB | < 10 | 53.0 | SE1 FTB | < 10 |
| | 61.0 | | | 57.4 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 59.3 | FTB |
| 2 | 1.0 | 60.3 | FTB |
| 3 | 1.0 | 59.6 | FTB |
| 4 | 1.0 | 60.5 | FTB |
| 5 | 1.0 | 59.4 | FTB |
| Average | | 59.9 | |

DS235mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-59 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/5/95 |
| Material: | 40 mil VLDPE Text. | Technician: | D.C. |
| Weld Type: | Extrusion Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-236

Peel Adhesion Test Data

TOP

| Replicate No. | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 72.7 | SE3 FTB | < 10 |
| 2 | 67.6 | SE3 FTB | < 10 |
| 3 | 77.5 | SE3 FTB | < 10 |
| 4 | 63.9 | SE3 FTB | < 10 |
| 5 | 54.9 | SE3 FTB | < 10 |
| | 67.3 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 60.6 | FTB |
| 2 | 1.0 | 58.6 | FTB |
| 3 | 1.0 | 60.6 | FTB |
| 4 | 1.0 | 60.3 | FTB |
| 5 | 1.0 | 60.6 | FTB |
| Average | | 60.0 | |

DS236mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-60 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/6/95 |
| Material: | 40 mil VLDPE Text. | Technician: | C.T. |
| Weld Type: | Double Fusion | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-237

Peel Adhesion Test Data

| | OUTSIDE TRACK | | | INSIDE TRACK | | |
|---|---|---|---|---|---|---|
| Replicate No. | Peak Load (lbs) | Comments | Separation (%) | Peak Load (lbs) | Comments | Separation (%) |
| 1 | 63.5 | SE1 FTB | < 10 | 60.8 | SE1 FTB | < 10 |
| 2 | 68.8 | SE1 FTB | < 10 | 78.2 | SE1 FTB | < 10 |
| 3 | 66.9 | SE1 FTB | < 10 | 63.0 | SE1 FTB | < 10 |
| 4 | 61.8 | SE1 FTB | < 10 | 64.0 | SE1 FTB | < 10 |
| 5 | 66.2 | SE1 FTB | < 10 | 65.5 | SE1 FTB | < 10 |
| | 65.4 | | | 66.3 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 88.6 | FTB |
| 2 | 1.0 | 86.3 | FTB |
| 3 | 1.0 | 86.8 | FTB |
| 4 | 1.0 | 87.0 | FTB |
| 5 | 1.0 | 86.5 | FTB |
| Average | | 87.2 | |

DS237mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-61 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/8/95 |
| Material: | 40 mil VLDPE Text. | Technician: | B.H. |
| Weld Type: | Extrusion Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-238

Peel Adhesion Test Data

TOP

| Replicate No. | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 82.1 | SE3 FTB | < 10 |
| 2 | 79.9 | SE3 FTB | < 10 |
| 3 | 72.8 | SE3 FTB | < 10 |
| 4 | 75.0 | SE3 FTB | < 10 |
| 5 | 79.4 | SE3 FTB | < 10 |
| | 77.8 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 71.1 | FTB |
| 2 | 1.0 | 79.3 | FTB |
| 3 | 1.0 | 81.8 | FTB |
| 4 | 1.0 | 91.9 | FTB |
| 5 | 1.0 | 76.8 | FTB |
| Average | | 81.0 | |

DS238mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-61 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/8/95 |
| Material: | 40 mil VLDPE Text. | Technician: | B.H. |
| Weld Type: | Extrusion Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-239

Peel Adhesion Test Data

| Replicate No. | TOP Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 66.4 | SE3 FTB | < 10 |
| 2 | 72.4 | SE3 FTB | < 10 |
| 3 | 76.0 | SE3 FTB | < 10 |
| 4 | 73.2 | SE3 FTB | < 10 |
| 5 | 65.4 | SE3 FTB | < 10 |
| | 70.7 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 73.7 | FTB |
| 2 | 1.0 | 72.0 | FTB |
| 3 | 1.0 | 74.7 | FTB |
| 4 | 1.0 | 90.2 | FTB |
| 5 | 1.0 | 77.0 | FTB |
| Average | | 77.7 | |

DS239mas

# PEEL AND SHEAR TEST RESULTS

ASTM D-4437

| | | | |
|---|---|---|---|
| Client: | Cashin & Associates | Job No.: | 95G1821-62 |
| Project: | Northport/Huntington Landfill | Date Tested: | 12/14/95 |
| Material: | 40 mil VLDPE Text. | Technician: | B.H. |
| Weld Type: | Extrusion Weld | Machine: | ATS-900B/1105 |

## SAMPLE NO. DS-240

Peel Adhesion Test Data

TOP

| Replicate No. | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|
| 1 | 67.7 | SE3 FTB | < 10 |
| 2 | 65.8 | SE3 FTB | < 10 |
| 3 | 58.6 | SE3 FTB | < 10 |
| 4 | 58.3 | SE3 FTB | < 10 |
| 5 | 53.9 | SE3 FTB | < 10 |
| | 60.9 | | |

SHEAR

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 66.4 | FTB |
| 2 | 1.0 | 65.3 | FTB |
| 3 | 1.0 | 61.2 | FTB |
| 4 | 1.0 | 67.1 | FTB |
| 5 | 1.0 | 60.6 | FTB |
| Average | | 64.1 | |

DS240mas

# PEEL AND SHEAR TEST RESULTS

Client: Cashin & Associates
Project: East NorthPort Landfill
Material: 40 mil Textured
Weld Type: Extrusion

Job No.: 96G2015-01
Date Tested: 04/29/96
Technician: BRL
Machine: ATS-900B/1105

## SAMPLE NO. DS 241A

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 87.9 | SE2 FTB | <10 |
| 2 | 1.0 | 82.3 | SE3 FTB | <10 |
| 3 | 1.0 | 75.8 | SE2 FTB | <10 |
| 4 | 1.0 | 78.3 | SE2 FTB | <10 |
| 5 | 1.0 | 71.6 | SE2 FTB | <10 |
| Average | | 79.2 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 75.5 | FTB |
| 2 | 1.0 | 64.9 | FTB |
| 3 | 1.0 | 73.3 | FTB |
| 4 | 1.0 | 74.3 | FTB |
| 5 | 1.0 | 76.6 | FTB |
| Average | | 72.9 | |

DS 241A/BRL

# PEEL AND SHEAR TEST RESULTS

Client: Cashin Associates
Project: East NorthPort Landfill
Material: 40 mil Textured
Weld Type: Extrusion

Job No.: 96G2015-01
Date Tested: 04/29/96
Technician: BRL
Machine: ATS-900B/1105

## SAMPLE NO. DS 241B

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 62.3 | SE2 FTB | <10 |
| 2 | 1.0 | 63.1 | SE2 FTB | <10 |
| 3 | 1.0 | 71.9 | SE2 FTB | <10 |
| 4 | 1.0 | 55.7 | SE2 FTB | <10 |
| 5 | 1.0 | 59.4 | SE2 FTB | <10 |
| Average | | 62.5 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 77.5 | FTB |
| 2 | 1.0 | 80.1 | FTB |
| 3 | 1.0 | 64.5 | FTB |
| 4 | 1.0 | 72.5 | FTB |
| 5 | 1.0 | 68.5 | FTB |
| Average | | 72.6 | |

DS 241B/BR

# PEEL AND SHEAR TEST RESULTS

Client: Cashin Associates
Project: East NorthPort Landfill
Material: 40 mil Textured
Weld Type: Extrusion

Job No.: 96G2015-01
Date Tested: 04/29/96
Technician: BRL
Machine: ATS-900B/1105

## SAMPLE NO. DS 242

Peel Adhesion Test Data

| Replicate No. | Width (in) | Peak Load (lbs) | Comments | Separation (%) |
|---|---|---|---|---|
| 1 | 1.0 | 76.3 | SE3 FTB | <10 |
| 2 | 1.0 | 54.9 | SE3 FTB | <10 |
| 3 | 1.0 | 65.6 | AD 1 | 100 |
| 4 | 1.0 | 60.1 | SE3 FTB | <10 |
| 5 | 1.0 | 62.3 | SE3 FTB | <10 |
| Average | | 63.8 | | |

| Bonded Seam (Shear) Test Data | Width (in) | Peak Load (lbs) | Comments |
|---|---|---|---|
| 1 | 1.0 | 60.1 | FTB |
| 2 | 1.0 | 63.9 | FTB |
| 3 | 1.0 | 63.7 | FTB |
| 4 | 1.0 | 61.4 | FTB |
| 5 | 1.0 | 54.3 | FTB |
| Average | | 60.7 | |

DS 242/BRL

# APPENDIX X

# REPAIR SUMMARY LOG

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 26 day April month 1995 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX. — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 26/4 | P1/P2 | 0 | R1-P | E | 3 | 2 | | G281 | KP | MT | 27/4 | CD | P | — | MT |
| | P3/P4 | 3' | R2-P | | 3 | 2 | | G291 | TT | MT | | YS | P | | MT |
| | P4/P5 | 2' | R3-P | | 2.5 | 2 | | | | MT | | | P | | MT |
| | P3/P4 | 13 | R4-P | | 1.5 | 1.5 | | | | MT | | | P | | MT |
| | P3/P4 | 28 | R5-T | | 0.5 | — | | | | MT | | | P | | MT |
| 27/7 | P1/P2 | 33 | R6-P | | 6 | 3 | | | | MT | | CD | P | | MT |
| | P1/P2 | 48 | R7-DS1 | | 6 | 2 | | | | MT | | | P | | MT |
| | P2 | 100' 6' from P1/P2 | R8-G | | 0.5 | — | | G281 | KP | MT | | | P | | MT |
| | P1/P2 | 120 | R9-P | | 8 | 2 | | | | MT | | | P | | MT |
| | P2 | 152' 4' from P1/P2 | R10-P | | 3 | 2 | | | YS | MT | | | P | | MT |
| | P1/P2 | 170 | R11-P | | 2 | 2 | | | | MT | | | P | | MT |
| | P1/P2 | 174 | R12-P | | 2 | 1 | | | | MT | | | P | | MT |
| | P1/P2 | 172 | R13-G | | 2.5 | — | | | | MT | | | P | | MT |
| | P3 | 144' 1' from P2/P3 | R14-G | | 0.5 | — | | | | MT | | | P | | MT |
| (15) | P2/P3 | 158 | R15-P | | 10 | 2 | | | | MT | | | P | | MT |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

141 L.F. of extrusion welding

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 27 day 4 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40mil VLDPE Tex. CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM O-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27/4 | P3/4 | 66' | R16-P | E | 5 | 2 | — | 291 | TT | MJ | 27/4 | YS | P | — | MJ |
| 11 | P3 | 15' 11'Fr. P3/4 | R17-G | E | 0.5 | — | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P3 | 17' 11'Fr. P3/4 | R18-G | E | 0.5 | — | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P4 | 7' 9'Fr. P3/4 | R19-G | E | 0.5 | — | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P2/3 | AT | R20-P | E | 8 | 2 | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P2/3 | AT | R21-P | E | 5 | 2 | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P2/3 | AT | R22-P | E | 1.5 | 1.5 | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P4/5 | 8' | R23-T | E | 0.5 | — | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P4/5 | 14' | R24-T | E | 0.5 | — | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| 11 | P4/5 | 56' | R25-T | E | 0.5 | — | — | 291 | JM | MJ | 11 | 11 | P | — | MJ |
| 11 | P4/5 | 63' | R26-T | E | 1.0 | — | — | 291 | JM | MJ | 11 | 11 | P | — | MJ |
| 11 | P4/5 | 75' | R27-P | E | 2 | 2 | — | 291 | JM | MJ | 11 | 11 | P | — | MJ |
| 11 | P4/5 | 96' | R28-P | E | 3 | 2 | — | 291 | JM | MJ | 11 | 11 | P | — | MJ |
| 11 | P5/6 | 4' | R29-P | E | 3 | 3 | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |
| (15)4 | P5 | 15' 2'Fr. 5/6 | R30-G | E | 0.5 | — | — | 291 | TT | MJ | 11 | 11 | P | — | MJ |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

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GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 27 day 4 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX. CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27/4 | P5/6 | 49' | R31-P | E | - | - | 2 | 291 | TT | MJ | 27/4 | KY | | Bead over puncture | MJ |
| " | " | 65' | R32-DSZ | E | 6 | 2 | - | 291 | TT | MJ | " | " | P | - | MJ |
| " | " | 107' | R33-P | E | - | - | 2 | 291 | JM | MJ | " | " | P | - | MJ |
| " | P6 | 110' 2'Fr P5/6 | R34-P | E | 1.5 | 1.5 | - | 291 | JM | MJ | " | YS | P | - | MJ |
| " | P5/6 | 135' | R35-P | E | 7 | 1.5 | - | 291 | TT | MJ | " | " | P | - | MJ |
| " | " | 150' | R36-P | E | 2 | 5 | - | 291 | TT | MJ | " | KY | P | - | MJ |
| " | P6 | 148' 1'Fr P5/6 | R37-G | E | 0.5 | - | - | 291 | TT | MJ | " | YS | P | - | MJ |
| " | P4/5 | 140' | R38-P | E | 6 | 2 | - | 291 | TT | MJ | " | " | P | - | MJ |
| " | " | 148' | R39-P | E | - | - | 2 | 291 | TT | MJ | " | " | P | - | MJ |
| " | " | 157' | R40-P | E | 8 | 2 | - | 281 | YS | MJ | " | " | P | - | MJ |
| " | P5 | 6Fr 4/5 155' | R41-P | E | - | - | 1.5 | 291 | TT | MJ | " | " | P | - | MJ |
| " | P5 | " 159' | R42-G | E | 8 | - | - | 291 | TT | MJ | " | " | P | - | MJ |
| " | P4/5 | 118' | R43-T | E | 0.5 | - | - | 291 | JM | MJ | " | " | P | - | MJ |
| " | P4 | 35' 1'Fr P4/5 | R44-G | E | 0.5 | - | - | 291 | TT | MJ | " | " | P | - | MJ |
| (15) " | P3/4 | 108 | R45-C | E | 16 | 2 | - | 281 | YS | MJ | " | " | P | - | MJ |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

160 L.F.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 27 day 4 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX. CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27/4 | P3/4 | 153' | R46-P | E | 6 | 5 | - | 281 | KP | MJ | 27/4 | YS | P | - | MJ |
| 11 | P5/6 | 49' P18 | R47-G | E | 0.5 | - | - | 291 | TT | MJ | 11 | YS | P | - | MJ |
| 11 | P2/3 | 4' | R48-P | E | 1.5 | 1.5 | - | 291 | TT | MJ | 11 | YS | P | - | MJ |
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| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 5 day 5 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX. CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 5/5 | 7/8 | 19' | R49P | E | 2 | 2 | - | 281 | YS | MJ | 5/5 | KAY | P | - | MJ |
| | P-8 | 32' 3' From 7/8 | R50G | | 0.5 | - | - | " | " | MJ | | | P | - | MJ |
| | P-8 | 9.5' 4' From 7/8 | R51P | | - | - | 1 | " | KP | MJ | | | P | - | MJ |
| | 8/9 | 15' | R52P | | 2 | 2 | - | " | YS | MJ | | | P | - | MJ |
| | 8/9 | 4.5' | R53C | | 9 | 1 | - | " | KP | MJ | | | P | - | MJ |
| | P-9 | 1.5' 3' From 8/9 | R54P | | 1 | 1 | - | " | YS | MJ | | | P | - | MJ |
| | P-9 | 5' " | R55G | | 0.5 | - | - | " | " | MJ | | | P | - | MJ |
| | 10 | 1.5' 2' From 9/10 | R56P | | - | - | 1 | " | KP | MJ | | | P | - | MJ |
| | 10 | 1.5' 1' From 9/10 | R57G | | 2 | - | - | " | " | MJ | | | P | - | MJ |
| | 9/10 | 17' | R58P | | - | - | 2 | " | YS | MJ | | | P | - | MJ |
| | 10/11 | 18' | R59P | | - | - | 3 | 291 | TT | MJ | | | P | - | MJ |
| | P-11 | 18' 8' From 10/11 | R60P | | - | - | 1 | 291 | TT | MJ | | | P | - | MJ |
| | 11/12 | 16' | R61P | | 3 | 2 | - | " | " | MJ | | | P | - | MJ |
| | 11/12 | 7' | R62P | | 7 | 2 | - | " | " | MJ | | | P | - | MJ |
| (15) | P-11 | 2' 4' From 11/12 | R63G | | 0.5 | - | - | " | " | MJ | | | P | - | MJ |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 6 day 5 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 5/5 | MJ 7/8 11/12 | 49' MJ 2.5' | R64C | E | 22 | 5 | – | 291 | TT | MJ | 5/5 | KAY | P | – | MJ |
| | 9/10 | 42' | R65DS-3 | | 6 | 2 | – | " | " | MJ | | | P | – | MJ |
| | P-9 | 53' 7' From 9/10 | R66 P | | – | – | 1 | " | " | MJ | | | P | – | MJ |
| | " | 61' 11' From 9/10 | R67 P | | – | – | 1 | " | " | MJ | | | P | – | MJ |
| | 10/11 | 90' | R68 P | | 2 | 1 | – | " | " | MJ | | | P | – | MJ |
| | 11/12 | 89' | R69 P | | 2 | 1 | – | " | " | MJ | | | P | – | MJ |
| | P-8 | 84' 6' Fr. 8/9 | R70 G | | 0.5 | | | " | " | MJ | | | P | – | MJ |
| | " | 90' " | R71 G | | 0.5 | | | " | " | MJ | | | P | – | MJ |
| | " | 25' 4' " | R72 P | | – | – | 1 | " | " | MJ | | | P | – | MJ |
| 5/5 | " | 9.5' 2' Fr. 7/8 | R73 G | E | 3 | – | 1 MJ | " | " | MJ | | | P | – | MJ |
| " | P-10 | 18' 8' Fr. 9/10 | R74 G | E | 0.5 | – | – | " | " | MJ | 5/5 | TT | P | – | MJ |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

93 L.F.

Total L.F of extrusion welding in Repair log - C.12

P.P. 613 LF

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 08 day 05 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 8/5 | 14/15 | 0' | R75P | E | 2 | 2 | - | 281 | KP | MJ | 9/5 | CD | P | - | MJ |
| " | 13/14 | | R76T | E | 0.5 | - | - | " | " | MJ | " | " | P | - | MJ |
| " | 1/2/13/14 | — | R77P | E | 3 | 4 | - | " | " | MJ | " | " | P | - | MJ |
| " | 2/14 | 3' From 2/3/14/15 | R78DS4 | E | 6 | 2 | - | " | " | MJ | " | " | P | - | MJ |
| " | 14/15 | 32' | R79P | E | 3 | 3 | - | " | " | MJ | " | " | P | - | MJ |
| " | 15/16 | 28' | R80T | E | 0.5 | - | - | " | " | MJ | " | " | P | - | MJ |
| " | 15/16 | 34' | R81P | E | 3 | 2 | - | " | " | MJ | " | " | P | - | MJ |
| " | 16 | 49' 9' From 16/17 | R82P | E | 1 | 1 | - | " | " | MJ | " | " | P | - | MJ |
| " | 1/2 | 2' | R83TG | E | 3 | - | - | " | " | MJ | " | " | P | - | MJ |
| " | 1/2 | 4.5' | R84TP | E | 1 | 1 | - | " | " | MJ | " | " | P | - | MJ |
| 9/5 | 2/14 | 11' | R85P | E | 6 | 2 | - | " | " | MJ | " | " | P | - | MJ |
| " | 2/14 | R85 | R86-DS6 | E | 6 | 2 | - | " | " | MJ | " | " | P | - | MJ |
| " | 2/3 | 2' | R87P | E | 5 | 2 | - | " | " | MJ | " | " | P | - | MJ |
| " | 3/4/15/16 | ~~2.5'~~ MJ 0' | R88P | E | 2 | 2 | - | " | " | MJ | " | " | P | - | MJ |
| (15) 1 | 3/4 | 2.5' | R89TG | E | 5 | - | - | " | " | MJ | " | " | P | - | MJ |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 9 day 5 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE TEX. — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 9/5 | P-4 | 0' 2' Fr. 4/5 | R90G | E | 4 | – | – | 281 | KP | MJ | 9/5 | CD | P | – | MJ |
| " | 4/5 | 2' | R91G | E | 4 | – | – | 281 | KP | MJ | | | P | | MJ |
| " | 5/6/17/18 | – | R92P | E | 3 | 3 | – | 281 | KP | MJ | | | P | | MJ |
| " | P-6 | 1' 2' Fr. 5/6 | R93G | E | 3 | – | – | 281 | KP | MJ | | | P | | MJ |
| " | " | 2' 4' Fr 5/6 | R94P | E | – | – | 2 | 281 | KP | MJ | | | P | | MJ |
| " | 4/5/16/17 | – | R95P | E | 3 | 2 | – | 281 | KP | MJ | | | P | | MJ |
| " | P-4 | 2' 4' Fr. 4/5 | R96P | E | – | – | 2 | 281 | KP | MJ | | | P | | MJ |
| " | 3/10 | 5' Fr. 2/3/10/11 | R97DS-5 | E | 6 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| " | 11/12 | 19' | R98DS-7 | E | 6 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| " | 9/10 | 56' | R99DS3A | E | 6 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| " | " | 28' | R100DS3B | E | 6 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| " | " | 30'-39' | R101C | E | 9 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| " | " | 44'-54' | R102C | E | 10 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| " | " | 59'-91.5' | R103C | E | 32.5 | 2 | – | 281 | TT | MJ | | | P | | MJ |
| (15) | | | | | | | | | | | | | | | |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 30 day 05 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE TEX — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 30/5 | P3/4 | 13' | R104P | E | – | – | 2 | 291 | KP | MJ | 30/5 | KP | P | – | MJ |
| 31/5 | P3/4 | 13' | R105P | E | – | – | 3 | 291 | RF | MJ | 31/5 | RF | P | – | MJ |
| 9/5 | 19/20 | 442'-420 | R106C | F | 22 | 2 | – | 1154 | KO | MJ | 9/6 | YS | P | – | MJ |
| ↓ | ↓ | 420' | R107P | E | 3 | 2 | – | 291 | KC | MJ | | | P | | " |
| | | 420-398 | R108C | F | 22 | 2 | – | 1154 | KO | MJ | 9/6 | YS | P | – | MJ |
| | | 398' | R109P | E | 3 | 3 | – | 291 | KC | MJ | | | P | | " |
| | | 397 | R110G | E | 1 | – | – | 291 | KC | MJ | | | P | | " |
| | | 396 | R111P | E | 1 | 1 | – | 291 | KC | MJ | | | P | | " |
| | | 376-398 | R112C | F | 22 | 2 | – | 1154 | KO | MJ | 9/6 | YS | P | – | MJ |
| | ↓ | 375 | R113P | E | 4 | 3 | – | 291 | KC | MJ | | | P | | " |
| | 19 | 384' 10FT 9/20 | R114P | E | 4 | 3 | – | 291 | KC | MJ | | | P | | " |
| | 19/20 | 360' | R115P | E | 2 | 2 | – | 291 | KC | MJ | | | P | | " |
| | ↓ | 330' | R116P | E | 3 | 2 | – | 291 | KC | MJ | | | P | | " |
| | | 288-305 | R117C | E | 22 | 2 | – | 291 | KC | MJ | | | P | | " |
| (15)↓ | ↓ | 271-283 | R118C | E | 22 | 2 | – | 291 | KC | MJ | | | P | | " |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 09 day 06 month 95 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX.

CONTRACTOR: JDP Inc.

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 9/6 | 19/20 | 277 | R119P | E | 1 | 1 | - | 291 | KC | MJ | | | P | | MT |
| | 20 | 270 3'FT 19/20 | R120P | E | 7 | 2 | - | 291 | KC | MJ | | | P | | |
| | 19/20 | R120 | R121P | E | 4 | 1 | - | 291 | KC | MJ | | | P | | |
| | 20 | R120 | R122P | E | 1 | 1 | - | 291 | KC | MJ | | | P | | |
| | 19/20 | 262' | R123P | E | 6 | 1 | - | 291 | KC | MJ | | | P | | |
| | | 254' | R124T | E | 0.5 | - | - | | | MJ | | | P | | |
| | | 249' | R125T | E | | - | - | | | MJ | | | P | | |
| | | 240' | R126T | E | | - | - | | | MJ | | | P | | |
| | | 233' | R127T | E | | - | - | | | MJ | | | P | | |
| | | 226' | R128T | E | | - | - | | | MJ | | | P | | |
| | | 227' | R129T | E | | - | - | | | MJ | | | P | | |
| | | 228' | R130T | E | | - | - | | | MJ | | | P | | |
| | | 214' | R131T | E | | - | - | | | MJ | | | P | | |
| | | 205' | R132T | E | | - | - | | | MJ | | | P | | |
| (15) | | 203' | R133T | E | | - | - | | | MJ | | | P | | MT |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 19 day June month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 8/6 | P19/P20 | 420-442 | R106C | F | 22 | 32 | | W1145 | KO | KWC | 9/6 | FR | P | | KWC |
| 9/6 | " | 420 | R107P | E | 2 | 3 | | G291 | KC | | | | P | | |
| 8/6 | " | 398-420 | R108C | F | 22 | 2 | | W1145 ~~G291~~ | KO | | 9/6 | FR | P | | |
| 9/6 | " | 398 | R109P | E | 3 | 3 | | G291 | KC | | | | P | | |
| 9 June | " | 396 | R110G | E | 1 | | | | | | | | P | | |
| 9 June | " | 395 | R111P | E | 1 | 1 | | G291 | KC | | | | P | | |
| 9 June | " | 376-398 | R112C | F | 22 | 2 | | W1145 | KO | | 9 June | FR | P | | |
| 9 June | " | 376 | R113P | E | 5 | 3 | | G291 | KC | | | | P | | |
| 9 June | | | | | | | | | | | | | P | | |
| 9 June | " | 360 | R115P | E | 3 | 2 | | G291 | KC | | | | P | | |
| 9 June | " | 330 | R116P | E | 4 | 2 | | G291 | KC | | | | P | | |
| 9 June | " | 287-309 | R117C | E | 22 | 2 | | G291 | KC | | | | P | | |
| " | " | 270-287 | R118C | E | 17 | 2 | | G291 | KC | | | | P | | |
| 9 June | " | 271 | R119P | E | 1 | 1 | | G291 | KC | KWC | | | P | | KWC |
| (15) | | | | | | | | | | | | | | | |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 19 day June month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☐ CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 9 June | P19/P20 | 270 | R120P | E | 2 | 7 | | G291 | KC | Kwc | | | P | | Kwc |
| 9 June | " | 268 | R121P | F | 2 | 4 | | G291 | KC | | | | P | | |
| " | " | 269 | R122P | E | 1 | 1 | | G291 | KC | | | | P | | |
| " | " | 261 | R123P | E | 6 | 2 | | " | " | | | | P | | |
| " | " | 252 | R124T | E | 0.5 | — | | " | " | | | | P | | |
| " | " | 249 | R125T | E | 0.5 | — | | " | " | | | | P | | |
| " | " | 240 | R126G | E | — | — | | " | " | | | | P | | |
| " | " | 233 | R127G | E | — | — | | " | " | | | | P | | |
| " | " | 228 | R128G | E | — | — | | " | " | | | | P | | |
| " | " | 227 | R129T | E | — | — | | " | " | | | | P | | |
| " | " | 226 | R130T | E | — | — | | " | " | | | | P | | |
| " | " | 217 | R131T | E | — | — | | " | " | | | | P | | |
| " | " | 206 | R132T | E | — | — | | " | " | | | | P | | |
| " | " | 203 | R133T | E | — | — | | " | " | | | | P | | |
| 9 (15) June | P19/P20 | 177-199 | R134P | E | 22 | 2 | | G291 | KC | Kwc | | | P | | Kwc |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 19 day June month 1995 year

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 MIL UCDPE TEX. — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 14 June | P19/P20 | 688 ~~688~~ 70 | R136P | E | 5 | 2 | | G291 | KC | KWC | ~~14 June~~ | | P | | KWC |
| 14 June | P19/P20 | 620 62 | R137P | E | 4 | 2 | | " | " | | | | P | | |
| " | " | 13 | R138T | E | 1 | — | | " | " | | | | P | | |
| 14 June | P20/P21 | 17 | R139P | E | 3 | 2 | | " | " | | | | P | | |
| | | | | | | | | | | | | | P | | |
| 14 June | " | 52 | R141P | E | 4 | 2 | | G291 | KC | | | | P | | |
| | | | | | | | | | | | | | P | | |
| 14 June | " | 186 | R143P | E | 5 | 2 | | " | " | | | | P | | |
| 14 June | " | 208 | R144P | E | 3 | 2 | | " | " | | | | P | | |
| 14 June | " | 256 | R145P | E | 3 | 2 | | | | | | | P | | |
| " | " | 274 | R146P | E | 5 | 2 | | " | " | | | | P | | |
| 12 June | " | 292 - 314 | R147P | E | 22 | 2 | | G281 | KO | | | | P | | |
| 12 June | " | ~~328~~ 311 | R148P | E | — | — | | " | " | | | | P | | |
| 13 June | P20/P21 | 328 | R149P | E | 2 | 2 | | G281 | KO | KWC | | | P | | KWC |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX.

DATE: 20 day JUNE month 95 year

CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 12 June | P20/P21 | 386 | R150G | E | – | – | | G291 | LAY | KWC | | | P | | KWC |
| 12 June | " | 402 | R151P | E | 2 | 2 | | G291 | LAY | | | | P | | |
| 19 June | P22/P23 | 414 | R152G | E | – | – | | G281 | TT | | | | P | | |
| " | " | 409 | R153T | E | 1 | – | | " | " | | | | P | | |
| " | " | 383 | R154T | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 368 - 381 | R155G | E | 13 | – | | " | " | | | | P | | |
| " | P22 | 372 | R156G | E | 7 | – | | " | " | | | | P | | |
| " | P22 | 372 | R157P | E | | | 2 | " | " | | | | P | | |
| " | P22/P23 | 366 | R158P | E | 2 | 2 | | " | " | | | | P | | |
| " | P23 | 368 | R159G | E | 3 | – | | " | " | | | | P | | |
| " | P23 | 320 | R160P | E | | | 1 | " | " | | | | P | | |
| 19 June | P23/P24 | 365 | R161P | E | | | 2 | G281 | KO | | | | P | | |
| " | " | 366 - 380 | R162G | E | 14 | – | | " | " | | | | P | | |
| 19 June | P23 | 370 | R163P | E | | | 1 | G281 | KO | KWC | | | P | | KWC |
| (15) | | | | | | | | | | | | | | | |

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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE TEX.

DATE: 19 day June month 95 year

CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 19 June | P23 | 370 | R164G | E | 1 | – | – | G281 | KO | KWC | | | P | | KWC |
| 19 June | P23/P24 | 381 | R165P | E | 1 | 1 | | " | " | | | | P | | |
| " | " | 386 | R166T | E | – | – | | " | " | | | | P | | |
| " | " | 405 | R167P | E | 5 | 2 | | G281 | TT | | | | P | | |
| " | " | 430 | R168P | E | 5 | 2 | | " | " | | | | P | | |
| 19 June | P23/P24 | 436 | R169T | E | – | – | | G281 | TT | | | | P | | |
| 16 June | P24/P25 | 385 | R169#P | E | 2 | 2 | | G281 | KC | | | | P | | |
| " | P25 | 385 | R170G | E | – | 4 | | " | " | | | | P | | |
| 16 JUNE | P25 | 385 | R171P | E | | | 1 | G281 | KC | | | | P | | |
| 19 June | P24/P25 | 377 | R172DS | E | 5 | 2 | | G281 | TT | | | | P | | |
| 16 June | P24/P25 | 368 | R173P | E | 2 | 5 | | G281 | KC | | | | P | | |
| " | " | 359 | R174P | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 360 - 374 | R175G | E | 14 | – | | " | " | | | | P | | |
| 16 June | P25 | 390 | R176P | E | 2 | 3 | | G281 | KC | KWC | | | P | | KWC |
| (15) | | | | | | | | | | | | | | | |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40MIL VLDPE TEX.

DATE: 19 day JUNE month 95 year

CONTRACTOR: JDI

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 16 June | P25/P26A | 391 | R177P | E | 2 | 11 | | G281 | KC | KWC | | | P | | RWC |
| 15 June | P25/P26A | 414 - 436 | R178C | F | 22 | 2 | | W1154 | KO | | 15 June | TH | P | | |
| 19 June | P25/P26A | 411 | R179P | E | 2 | 3 | | G281 | TT | | | | P | | |
| 19 June | P25 | 410 | R180G | E | – | – | | " | " | | | | P | | |
| 15 June | P25/P26A | 392 - 410 | R181C | F | 18 | 2 | | W1154 | KO | | | | P | | |
| 19 June | " | 404 | R182P | E | 3 | 2 | | G281 | TT | | 15 June | TH | P | | |
| | | | | | | | | | | | | | P | | |
| | | | | | | | | | | | | | P | | |
| 15 June | " | 376 - 390 | R184C | F | 14 | 2 | | W1154 | KO | | | | P | | |
| 19 June | P26A | 385 | R185G | E | – | – | | G281 | TT | | 15 June | TH | P | | |
| 16 June | P25/P26A | 375 | R186P | E | 2 | 3 | | G281 | KC | | | | P | | |
| " | " | 357 - 373 | R187C | E | 16 | 2 | | " | " | | | | P | | |
| " | P25 | 370 | R188G | E | – | 3 | | " | " | | | | P | | |
| " | P25 | 370 | R189P | E | | | 1 | " | " | | | | P | | |
| 19 June | P26A/P27 | 196 - 201 | R190C | E | 5 | 2 | | G281 | TT | KWC | | | P | | KWC |
| (15) | | | | | | | | | | | | | | | |

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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE
PROJECT NO.: GQ3700 TASK NO.: 01
PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE
DATE: 19 day JUNE month 95 year
CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 19 June | R26A/P27 | 194-196 | R191G | E | 2 | - | | G281 | TT | KWC | | | P | | EWC |
| " | " | 193 | R192 P | E | | | 1 | " | " | | | | P | | |
| " | P27 | 200 | R194 P | E | | | 1 | " | " | | | | P | | |
| " | P26A/P27 | 201 - 223 | R195C | E | 22 | 2 | | " | " | | | | P | | |
| " | " | 234 | R196P | E | 3 | 2 | | " | " | | | | P | | |
| " | " | 241 | R197P | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 264 | R200 P | E | 2 | 2 | | " | " | | | | P | | |
| " | P27 | 375 | R204P | E | | | 1 | " | " | | | | P | | |
| " | P27/P28 | 369 | R205P | E | 2 | 2 | | " | " | | | | P | | |
| " | P28 | 369 | R206P | E | 3 | 3 | | " | " | | | | P | | |
| 6-20 June | P27/P28 | 352 | R207P | E | 2 | 3 | | G291 | KC | | | | P | | |
| 19 June | P27/P28 | 345 | R208P | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 324 | R209P | E | 1 | 1 | | " | " | | | | P | | |
| 19 June | P26/P27 | 180 | R210P | E | 3 | 2 | | G291 | KC | KWC | | | P | | EWC |
| (15) | | | | | | | | | | | | | | | |

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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ 40 mu VLDPE TEX.

DATE: 19 day JUNE month 95 year

CONTRACTOR: SDI

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 19 June | P26/P27 | 135 | R211P | E | 2 | 2 | | G291 | KC | KWC | | | P | | KWC |
| " | " | 113 | R214P | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 108 | R215P | E | 2 | 2 | | " | " | | | | P | | |
| " | P24A | 107 | R218P | E | | | 1 | " | " | | | | P | | |
| " | P25/P26A | 274 | R219P | E | 2 | 2 | | " | " | | | | P | | |
| 16 June | " | 288 | R221 | E | 2 | 2 | | G281 | KC | | | | P | | |
| " | " | 311 | R223 | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 336 | R224 | E | 3 | 4 | | " | " | | | | P | | |
| | | | | | | | | | | | | | P | | |
| 16 June | " | 237-257 | R226 | F | 20 | 2 | | W1154 | KO | KWC | 16 June | FR | P | | |
| | P25 | 340 | R227 | E | 3 | 6 | | | | KWC | | | P | | KWC |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE
PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 mil VLDPE TEX.

PROJECT NO.: GQ3700 TASK NO.: 01
DATE: 19 day JUNE month 95 year
CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 16 June | P25/P24 | 345 - 352 | R232 P | E | 7 | 3 | | G281 | KC | KWC | | | P | | KWC |
| " | " | 330 - 352 | R233 C | E | 22 | 2 | | | | | | | | | |
| 18 June | " | 308 | R234P | E | 2 | 2 | | G281 | KC | | | | P | | |
| 19 June | " | 285 - 290 | R237DS | E | 5 | 2 | | G291 | KC | | | | P | | |
| " | " | 271 - 275 | R239 P | E | 4 | 2 | | " | " | | | | P | | |
| " | " | ~~260~~ 255 - 270 | R240 C | E | 15 | 2 | | " | " | | | | P | | |
| " | P24 | 265 | R242P | E | | | 1 | " | " | | | | P | | |
| " | P23 | 270 | R244P | E | | | 1 | " | " | | | | P | | |
| " | P23/P24 | 274 | R245P | E | 2 | 2 | | " | " | | | | P | | |
| " | P23/P24 | 323 | R246P | E | 1 | 1 | | " | " | | | | P | | |
| 15 June | P22 | 355 | R253P | E | 1 | 1 | | " | " | | | | P | | |
| | | | | | | | | | | | | | | | |
| 15 June | P22/23 | 165 | R260 | E | 1 | 1 | | " | " | KWC | | | P | | KWC |
| | | | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE
PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 mil VLDPE TEX.
PROJECT NO.: GQ3700 TASK NO.: 01
DATE: 19 day June month 95 year
CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 15 June | P23/24 | 164 | R263P | E | 1 | 1 | | G291 | KC | KWC | | | P | | KWC |
| " | " | 159 | R264P | E | 4 | 2 | | " | " | | | | P | | " |
| " | P23 | 159 | R265P | E | | | 1 | " | " | | | | P | | " |
| " | P23/P24 | 199 | R268P | E | 1 | 1 | | " | " | | | | P | | " |
| 19 June | P23/P24 | 262 | R273P | E | 1 | 2 | | " | " | KWC | | | P | | " |
| 15 June | P24/P25 | 230 | R279P | E | 4 | 2 | | G291 | KC | KWC | | | P | | KWC |
| " | " | 213 | R280P | E | 3 | 2 | | " | " | " | | | P | | |
| " | " | 198 | R283P | E | 4 | 2 | | " | " | " | | | P | | |
| 15 June | P23/P24 | 150 | R289 | E | 2 | 2 | | " | " | KWC | | | P | | KWC |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 mil VLDPE

DATE: 15 day June month 95 year

CONTRACTOR: JOP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| | P22/P23 | | R295 P | | | | | | | | | | P | | |
| 15 June | P23 | 162 | R294P | E | | | 1 | G291 | KC | KWC | | | P | | KWC |
| 15 June | P22/P23 | 149 | R296P | E | 3 | 2 | | G291 | KC | " | | | P | | " |
| 14 June | P22/P21 | 99 | R297P | E | 3 | 2 | | " | " | | | | P | | KWC |
| 14 June | P22/P21 | 58 | R300P | E | 2 | 2 | | " | " | | | | P | | KWC |
| 14 June | P22/P23 | 40 | R301P | E | 2 | 2 | | " | " | | | | P | | |
| 14 June | P22 | 36 | R304P | E | | | 2 | " | " | | | | P | | |
| " | P23 | 38 | R305P | E | | | 1 | " | " | | | | P | | |
| " | P23/P24 | 39 | R307P | E | | | 2 | " | " | | | | P | | |
| 15 June | P24/P25 | 39 | R309P | E | | | 2 | " | " | | | | P | | |
| 15 June | P25 | 37 | R312P | E | | | 1 | " | " | | | | P | | |
| 15 June | P24/P25 | 30 | R313P | E | 5 | 2 | | " | " | KWC | | | P | | KWC |
| (19) | | | | | | | | | | | | | | | |

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(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 20 day June month 95 year

CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 15 June | P24/P25 | 110 | R316P | E | 4 | 2 | | G291 | LAY | KWC | | | P | | KWC |
| | | | | | | | | | | | | | P | | |
| 14 June | P23/P24 | 27 | R320P | E R320P | | | 2 | G291 | KC | | | | P | | |
| " | P22/P23 | | R321P | E | 3 | 2 | – | " | " | | | | P | | |
| 20 June | 27/28 | | R317C | F | 22 | 2 | – | 1310 | TT | | | | P | | |
| | | | R318C | F | ↓ | ↓ | – | ↓ | ↓ | | | | P | | |
| | | | R319C | F | ↓ | ↓ | – | ↓ | ↓ | KWC | | | P | | RWC |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE
PRIMARY: ☐ SECONDARY: ☐ OTHER: ☐ 40mil VLDPE TEX

PROJECT NO.: GQ3700 TASK NO.: 01
DATE: 20 day June month 95 year
CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION: SEAM OR PANEL | REPAIR LOCATION: MAPPING (DIST FROM O-FT OR EDGE) | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR: LENGTH (ft) | REPAIR: WIDTH (ft) | REPAIR: DIA (ft) | WELDER ID: MACH NO. | WELDER ID: OPER ID | QA ID | NON-DESTRUCTIVE TESTING: DATE (day/mo) | NON-DESTRUCTIVE TESTING: OPER ID | NON-DESTRUCTIVE TESTING: PASS/FAIL | NON-DESTRUCTIVE TESTING: ACTION | NON-DESTRUCTIVE TESTING: QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 June | P27/P28 | 256 | R350 P | E | 3 | 2 | | G291 | Kc | KWC | | | P | | KWC |
| 20 June | P27/P28 | 271 | R351 P | E | 2 | 2 | | " | " | | | | P | | |
| 20 June | P28 | 265 | R352 P | E | 3 | 18 | | " | " | | | | P | | |
| " | " | 265 | R353P | E | 1 | 1 | | " | " | | | | P | | |
| " | P28/P29 | 253 | R354 P | E | 2 | 2 | | " | " | | | | P | | |
| " | " | 258 - 274 | R355P | E | 16 | 2 | | " | " | | | | P | | |
| " | " | 275 | 356 P | E | 2 | 2 | | " | " | | | | P | | |
| " | P27/P28 | 93 | R357P | E | 3 | 2 | | " | " | | | | P | | |
| " | " | 66 | R358P | E | 3 | 2 | | " | " | | | | P | | |
| " | P27/P28 | 224 | R359P | E | 4 | 2 | | " | " | | | | P | | |
| " | P27/P28 | 195 | R360 P | E | 4 | 2 | | " | " | | | | P | | |
| " | P26A/P27 | 28 | R361 DS | F | 4 | 2 | | " | " | | | | P | | |
| " | P28/P29 | 185 -193 | R362 P | E | 8 | 2 | | " | " | KWC | | | P | | KWC |
| (15) | | | | | | | | | | | | | | | |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

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GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 7 day 12 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil Tex. L.D.P.E. - CAP.

CONTRACTOR: GUNDLE / SDI

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 12-07 | 19/30B | 31' to 0' | 363 P. | E. | 4' | 3' | - | 52 | CHRIS | J.K. | | | P. - | | J.K. |
| 12-07 | 19/30B | 43' to 0' | 364 P. | E. | 3' | 2' | - | 52 | " | J.K. | | | P. - | | J.K. |
| 12-07 | 19/30B | 31' to 43' | 365 R. | E. | 12' | - | - | 52 | " | J.K. | | | P. - | | J.K. |
| | 19/30B | 155' to 0' | 366 P. | E. | 3' | 2' | - | | | J.K. | | | P. | | J.K. |
| | 19/30B | 167' to 0' | 367 P. | E. | 2' | 2' | - | | | J.K. | | | P. | | J.K. |
| | 19/30B | 155' to 167' | 368 R. | E. | 12' | - | - | | | J.K. | | | P. | | J.K. |
| | 19/30A/30B | 170' to 0' | 369 P. | E. | 3' | 3' | - | | | J.K. | | | P. | | J.K. |
| | 30A | 112 & 3' N. | 370 P. | E. | 2' | 2' | - | | | J.K. | | | P. | | J.K. |
| | 30A | 107 & 3' N. | 371 P. | E. | 4' | 3' | - | | | J.K. | | | P. | | J.K. |
| 28-06 | 19/30A | 92' to 112' | 372-C. | E. | 20' | 2' | - | 52 | CHRIS | J.K. | | | P. | | J.K. |
| | 19/30A | 149' to 0' | 373-P. | E. | 2' | 2' | - | | | J.K. | | | P. | | J.K. |
| | 30A | 187 & 4' N. | 374 P. | E. | 8' | 3' | - | | | J.K. | | | P. | | J.K. |
| | 19/30A | 191' to 203' | 375 C. | E. | 12' | 2 | - | | | J.K. | | | P. | | J.K. |
| | 19/30A | 203' to 216' | 376 R. | E. | 13 | - | - | | | J.K. | | | P. | | J.K. |
| (15) | 19 | 209' HORIZONTAL CAP. | 377 C. | E | 22 | 2. | - | | | J.K. | | | P. | | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 4 Mil Tex. V.L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 12 day 07 month 1995 year

CONTRACTOR: GUNDLE/NDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR ~~NUMBER~~ CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # ~~DIR (ft)~~ | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 12-07 | 30B/31 | 0' to 102' | CAP | E | 102' | 2' | 378 | #52 | CHRIS | J.K. | | | P. | | J.K. |
| 12-07 | 30B/31 | 131' to 0' | P. | E. | 6' | 2' | 379 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| | 30B/31 | 156' to 0' | P. | E. | 3' | 3' | 380 | | | J.K. | | | P. | | J.K. |
| | 30B/31 | 168' to 0' | P. | E. | 3' | 2' | 381 | | | J.K. | | | P. | | J.K. |
| | 30B/31 | 156' to 168' | R. | E. | 12' | — | 382 | | | J.K. | | | P. | | J.K. |
| | 30A 30B-31 | 173' to 0' | P. | E. | 2' | 2' | 383 | | | J.K. | | | P. | | J.K. |
| | 30A/31 | 201' to 0' | P. | E. | 2' | 2' | 384 | | | J.K. | | | P. | | J.K. |
| | 30A/31 | 219' to 0' | P. | E. | 3' | 2' | 385 | | | J.K. | | | P. | | J.K. |
| 28-06 | 30A/31 | 272' to 290 | CAP | E | 18' | 2' | 386 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| | 30A/31 | 382' to 0' | G. | E. | — | — | 387 | | | J.K. | | | P. | | J.K. |
| | 30A/31 | 389' to 0' | G. | E. | — | — | 388 | | | J.K. | | | P. | | J.K. |
| 12-07 | 31/32 | 34' to 0' | P. | E. | 2' | 2' | 389 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| 12-07 | 31/32 | 44' to 0' | P. | E. | 2' | 2' | 390 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| 12-07 | 31/32 | 34' to 44' | R. | E. | 10' | — | 391 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| 12-07 | 31/32 | 77' to 0' | P. | E. | 2' | 2' | 392 | 52 | CHRIS | J.K. | | | P. | | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 12 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 12-07 | 31/32 | 96' to 0' | P. | E. | 3' | 3' | 393 | #52 | CHR.'S | J.K. | | | P. | | J.K. |
| | 31/32 | 156' to 0' | P. | E. | 4' | 2' | 394 | | | J.K. | | | P. | | J.K. |
| | 31/32 | 167' to 0' | P. | E. | 2' | 2' | 395 | | | J.K. | | | P. | | J.K. |
| | 31/32 | 156' to 167' | R. | E. | 11' | - | 396 | | | J.K. | | | P. | | J.K. |
| | 31/32 | 205' to 0' | P. | E. | 2' | 1' | 397 | | | J.K. | | | P. | | J.K. |
| | 31/32 | 215' to 0' | P. | E. | 2' | 2' | 398 | | | J.K. | | | P. | | J.K. |
| | 31/32 | 229' to 0' | P. | E. | 3' | 2' | 399 | | | J.K. | | | P. | | J.K. |
| 28-06 | 31/32 | 274' to 295' | CAP. | E. | 21' | 2' | 400 | #52 | CHR.'S | J.K. | | | P. | | J.K. |
| | 31/32 | 322' to 0' | G. | E. | - | - | 401 | | | J.K. | | | P. | | J.K. |
| | 31 | 292' HORIZONTAL CAP. | CAP. | F. | 22' | 2' | 402 | | | J.K. | | | P. | | J.K. |
| 12-07 | 32/33 | 34' to 0' | P. | E. | 2' | 2' | 403 | #52 | CHR.'S | J.K. | | | P. | | J.K. |
| 12-07 | 32/33 | 46' to 0' | P. | E. | 3' | 3' | 404 | 52 | CHR.'S | J.K. | | | P. | | J.K. |
| 12-07 | 32/33 | 34' to 46' | R. | E. | 12' | - | 405 | 52 | CHR.'S | J.K. | | | P. | | J.K. |
| 12-07 | 32/33 | 74' to 0' | P. | E. | 2' | 2' | 406 | 52 | CHR.'S | J.K. | | | P. | | J.K. |
| 12(15)07 | P' 33 | 57'46' N. | P. | E. | 7' | 4' | 407 | 52 | CHR.'S | J.K. | | | P. | | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 12 day 7 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| | P#-33 | 122 & 20' N. | G. | E. | - | - | 408 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 157' to 0' | P. | E. | 2' | 2' | 409 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 169' to 0' | P. | E. | 3' | 2' | 410 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 157' to 169' | R. | E. | 12' | - | 411 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 248' to 0' | G. | E. | - | - | 412 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 253' to 0' | G. | E. | - | - | 413 | | | J.K. | | | P. | | J.K. |
| | P#-33 | 235 & 5' N. | P. | E | 4' | 3' | 414 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 279' to 294 | CAP. | E. | 15' | 2' | 415 | | | J.K. | | | P. | | J.K. |
| | 32/33 | 299' to 0' | P. | E. | 2' | 2' | 416 | | | J.K. | | | P. | | J.K. |
| | P#-32 | 296' HORIZONTAL CAP. | CAP. | E. | 22' | 2' | 417 | | | J.K. | | | P. | | J.K. |
| 12-07 | 33/34 | 37' to 0' | P. | E. | 3' | 3' | 418 | #52 | CHRIS | J.K. | | | P. | | J.K. |
| 12-07 | 33/34 | 48' to 0' | P. | E. | 3' | 2' | 419 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| 12-07 | 33/34 | 37' to 48' | R. | E. | 11' | - | 420 | 52 | CHRIS | J.K. | | | P. | | J.K. |
| | 33/34 | 151' to 0' | P. | E. | 3' | 2' | 421 | | | J.K. | | | P. | | J.K. |
| (15) | 33/34 | 159' to 0' | P. | E. | 2' | 2' | 422 | | | J.K. | | | P. | | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 12 day 11 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.O.P.E. CAP.

CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| | 33/34 | 170' to 0' | P. | E. | 2' | 2' | 423 | | | J.K. | | | P. | | J.K. |
| | 33/34 | 151' to 170' | R. | E. | 19' | - | 424 | | | J.K. | | | P. | | J.K. |
| | 33/34 | 200' to 0' | P. | E. | 2' | 2' | 425 | | | J.K. | | | P. | | J.K. |
| | 33/34 | 225' to 0' | P. | E. | 4' | 2' | 426 | | | J.K. | | | P. | | J.K. |
| | P#-34 | 225' & 6' N. | P. | E. | 2' | 2' | 427 | | | J.K. | | | P. | | J.K. |
| | P#-34 | Between Repair # 426 & 427 | G. | E. | 6' | - | 428 | | | J.K. | | | P. | | J.K. |
| | P#-34 | 222' + 20' N. | P. | E. | 5' | 2' | 429 | | | J.K. | | | P. | | J.K. |
| | 33/34 | 284' to 299' | CAP | E. | 15' | 2' | 430 | | | J.K. | | | P. | | J.K. |
| | P#-33 | 299' HORIZONTAL CAP. | CAP. | E. | 22 | 2' | 431 | | | J.K. | | | P. | | J.K. |
| 11-07 | 34/35A | 0' to 16' | R. | E. | 16' | - | 432 | #281 | VANH | J.K. | | | P. | | J.K. |
| 11-07 | 34/35A | 16' to 0' | P. | E. | 3' | 2' | 433 | 281 | VANH | J.K. | | | P. | | J.K. |
| 11-07 | 34/35 | 34' to 0' | P. | E. | 2' | 2' | 434 | 281 | VANH | J.K. | | | P. | | J.K. |
| 11-07 | 34/35 | 46' to 0' | P. | E. | 2' | 2' | 435 | 281 | VANH | J.K. | | | P. | | J.K. |
| 11-07 | 34/35 | 34' to 46' | R. | E. | 12' | - | 436 | 281 | VANH | J.K. | | | P. | | J.K. |
| 11-(15)07 | 35/35A | Ext. Full Seam | G. | E. | 27' | - | 437 | 281 | VANH | J.K. | | | P. | | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 12 day 11 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| | 34/35 | 159' to 0' | P | E | 2' | 2' | 438 | | | J.K. | | | P | | J.K. |
| | 34/35 | 171' to 0' | P | E | 3' | 2' | 439 | | | J.K. | | | P | | J.K. |
| | 34/35 | 159' to 171' | R | E | 12' | — | 440 | | | J.K. | | | P | | J.K. |
| | 34/35 | 208' to 0' | P | E | 4' | 2' | 441 | | | J.K. | | | P | | J.K. |
| | 34/35 | 289' to 0' | P | E | 3' | 3' | 442 | | | J.K. | | | P | | J.K. |
| | 34/35 | 302' to 0' | P | E | 2' | 2' | 443 | | | J.K. | | | P | | J.K. |
| | 34/35 | 289 to 302' | R | E | 13' | — | 444 | | | J.K. | | | P | | J.K. |
| 11-07 | 35A/36 | 21' to 0' | P | E | 2' | 2' | 445 | #281 | VANH | J.K. | | | P | | J.K. |
| 11-07 | 35A/36 | 0' to 21 | R | E | 21' | — | 446 | 281 | VANH | J.K. | | | P | | J.K. |
| 11-07 | 35/36 | 21' to 32 | R | E | 11' | — | 447 | 281 | VANH | J.K. | | | P | | J.K. |
| 11-07 | 35/36 | 32' to 0' | P | E | 4' | 3' | 448 | 281 | VANH | J.K. | | | P | | J.K. |
| 11-07 | 35/36 | 44' to 0' | P | E | 2' | 2' | 449 | 281 | VANH | J.K. | | | P | | J.K. |
| 11-07 | 35/36 | 32' to 44' | R | E | 12' | — | 450 | 281 | VANH | J.K. | | | P | | J.K. |
| | 35/36 | 145' to 0' | P | E | 2' | 2' | 451 | | | J.K. | | | P | | J.K. |
| (15) | 35/36 | 157' to 0' | P | E | 3' | 3' | 452 | | | J.K. | | | P | | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 6 day 29 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE/JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| | 35/36 | 169' to 0' | P. | E. | 2' | 2' | 453 | | | J.K. | | | P. | | J.K. |
| | 35/36 | 174' to 0' | P. | E. | 2' | 2' | 454 | | | J.K. | | | P. | | J.K. |
| | 35/36 | 157 to 174' | R. | E. | 17' | - | 455 | | | J.K. | | | P. | | J.K. |
| | 35/36 | 211' to 0' | D/S-16 | E. | 5' | 2' | 456 | | | J.K. | | | P. | | J.K. |
| | 19/30B | 43' to 87' | CAP | E. | 44' | 2' | 457 | | | J.K. | | | P. | | J.K. |
| * 29-06 | 36/37 | 31' to 0' | P. | E. | 4' | 3' | 458 | #291 | VANH | J.K. | 7-7 | D.M | P. | - | J.K. |
| 29-06 | 36/37 | 43' to 0' | P | E. | 3' | 2' | 459 | 291 | VANA | J.K. | " | " | P. | - | J.K. |
| 29-06 | 36/37 | 31' to 43' | R. | E. | 12' | - | 460 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | 36/37 | 83' to 0' | P. | E. | 3' | 3' | 461 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | P#36 | 83' 8' S. | P. | E. | 2' | 1' | 462 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | P#36 | Between Repair #461 & 462 | G. | E. | 8' | - | 463 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | 36/37 | 159' to 0' | P. | E. | 3' | 2' | 464 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | 36/37 | 171' to 0' | P. | E. | 2' | 2' | 465 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | 36/37 | 191' to 0' | P. | E. | 2' | 2' | 466 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 29-06 | 36/37 | 159' to 191' | R. | E. | 33' | - | 467 | 291 | VANH | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* Jim & Cookie ARRIVED ONSITE JUNE 27th 4/OR PANEL # 37.

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-07 | 36/37 | 233' to 0' | D/S-17 | E | 5' | 2' | 468 | #281 | KC | J.K. | 7-14 | D.M | P. - | - | J.K. |
| 10-07 | 36/37 | 243' to 0' | P. | E | 2' | 2' | 469 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-04 | PH-19 | 50' HORIZONTAL CAP | CAP | E | 25' | 2' | 470 | 281 | KC | J.K. | 7-7 | D.M. | P. - | - | J.K. |
| 12-07 | 37/38 | 12' to 0' | G. | E | - | - | 471 | #291 | VANH | J.K. | 7-14 | D.M. | P. - | - | J.K. |
| 12-07 | 37/38 | 15' to 0' | G. | E | - | - | 472 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 30' to 0' | P. | E | 3' | 3' | 473 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 42' to 0' | P. | E | 4' | 3' | 474 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 30' to 42' | R. | E | 12' | - | 475 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 47' to 0' | G. | E | - | - | 476 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 163' to 0' | P. | E | 3' | 2' | 477 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 175' to 0' | P. | E | 2' | 2' | 478 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 163' to 175' | R. | E | 12' | - | 479 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 37/38 | 181' to 0' | G. | E | - | - | 480 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 38/39 | 26' to 0' | G. | E | - | - | 481 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 12-07 | 38/39 | 28' to 0' | P. | E | 2' | 2' | 482 | 291 | VANH | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 7 day 12 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 12-07 | 38/39 | 40' to 0' | P. | E. | 3' | 2' | 483 | #291 | VANH | J.K. | 7-14 | D.M. | P. | - | J.K. |
| 12-07 | 38/39 | 28' to 40' | R. | E. | 12' | - | 484 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 12-07 | 38/39 | 141' to 0' | G. | E. | - | - | 485 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 38/39 | 153' to 0' | DS-18 | E. | 5' | 2' | 486 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 12-07 | 38/39 | 165' to 0' | P. | E. | 2' | 2' | 487 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 12-07 | 38/39 | 180' to 0' | P. | E. | 2' | 2' | 488 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 12-07 | 38/39 | 165' to 180' | R. | E. | 15' | - | 489 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 12-07 | 38/39 | 193' to 0' | P. | E. | 2' | 1' | 490 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 12-07 | 38/39 | 211' to 0' | P. | E. | 2' | 2' | 491 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 39/40 | 20' to 0' | G. | E. | - | - | 492 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 39/40 | 26' to 0' | P. | E. | 5' | 3' | 493 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 39/40 | 38' to 0' | P. | E. | 3' | 2' | 494 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 39/40 | 26' to 38' | R. | E. | 12' | - | 495 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 39/40 | 46' to 0' | P. | E. | 2' | 1' | 496 | 291 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-07 | 39/40 | 66' to 0' | P. | E. | 2' | 1' | 497 | 291 | VANH | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-07 | 39/40 | 79' to 0' | P | E | 2' | 1' | 498 | #291 | VANH | J.K. | 7-14 | D.M. | P | - | J.K. |
| 10-07 | 39/40 | 96' to 0' | P | E | 3' | 2' | 499 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 39/40 | 159' to 0' | G | E | - | - | 500 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 40/41 | 12' to 0' | P | E | 2' | 2' | 501 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 40/41 | 28' to 0' | P | E | 4' | 3' | 502 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 40/41 | 40' to 0' | P | E | 3' | 2' | 503 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 40/41 | 28' to 40' | R | E | 12' | - | 504 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 40/41 | 82' to 0' | P | E | 2' | 2' | 505 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 40/41 | 90' to 0' | P | E | 2' | 2' | 506 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 41/42 | 14' to 0' | G | E | - | - | 507 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 41/42 | 29' to 0' | P | E | 3' | 2' | 508 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 41/42 | 41' to 0' | P | E | 3' | 3' | 509 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 41/42 | 29' to 41' | R | E | 12' | - | 510 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 | 41/42 | 65' to 0' | DS-19 | E | 5' | 2' | 511 | 291 | VANH | J.K. | " | " | P | - | J.K. |
| 10-07 (15) | 42/43 | 11' to 0' | P | E | 6' | 2' | 512 | #281 | KC | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. Tex. L.D.P.E. CAP.

CONTRACTOR: GUNDLE/JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-07 | 42/43 | 30' to 0' | P. | E. | 4' | 3' | 513 | #281 | KC | J.K. | 7-14 | D.M. | P. | - | J.K. |
| 10-07 | 42/43 | 42' to 0' | P. | E. | 3' | 3' | 514 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 42/43 | 30' to 42' | R. | E. | 12' | - | 515 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 43-44-45 | 20' to N.-0' | P. | E. | 2' | 2' | 516 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 03-07 | 44/46 | 8' to " " | DS-20 | E. | 5' | 2' | 517 | #52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 44/46 | 22' to " " | P. | E. | 3' | 3' | 518 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 44/46 | 29' to " " | P. | E. | 2' | 2' | 519 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 44/46 | 22' to 29' | R. | E. | 7' | - | 520 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| * 03-07 | 43-44-46 | 38' to C.S.-0' | P. | E. | 10' | 8' | 521 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 43/44 | 25' to C.S.-0' | P. | E. | 2' | 2' | 522 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 43/44 | 18' to 25' | R. | E. | 7' | - | 523 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 46/47 | 3' to N.-0' | P. | E. | 2' | 2' | 524 | #52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 46/47 | 0' to 3' | R. | E. | 3' | - | 525 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 46/47 | 20' to " " | P. | E. | 3' | 2' | 526 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 (TS) | 46/47 | 26' to " " | P. | E. | 3' | 3' | 527 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* C.S. 0' = CROSSSEAM ZERO.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 03 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: Gundle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 03-07 | 46/47 | 38' to N.-0' | P. | E. | 2' | 2' | 528 | #52 | CHRIS | J.K. | 7-14 | D.M. | P. | - | J.K. |
| 03-07 | 46/47 | 20' to 38' | R. | E. | 18' | - | 529 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 47/48 | 22' to " " | P. | E. | 3' | 3' | 530 | 52 | CHRIS | J.K. | 7-20 | D.M. | P. | - | J.K. |
| 03-07 | 47/48 | 34' to " " | P. | E. | 3' | 2' | 531 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 47/48 | 22' to 34' | R. | E. | 12' | - | 532 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 | 48/49A | 12' to " " | P. | E. | 2' | 2' | 533 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 | 48-49-49A | 28' to 35' | P. | E. | 7' | 3' | 534 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 | 49/50A | Ext. Full Seam | G. | E. | 20' | - | 535 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 49/50 | 20' to 47'. | G. | E. | 27' | - | 536 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 50A/51 | Ext. Full Seam. | G. | E. | 20' | - | 537 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 03-07 | 50A/50 | 35' to 47' | G. | E. | 12' | - | 538 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 | 51/52 | 30' to N.-0' | P. | E. | 2' | 1' | 539 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 | 51/52 | 34' to " " | P. | E. | 2' | 2' | 540 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 | 50A-51-52 | 38' to " " | P. | E. | 3' | 2' | 541 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 05-07 (15) | 51/52 | Between Repair #540 & 541 | R. | E. | 4' | - | 542 | 52 | CHRIS | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 05 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 05-07 | 50/52 | 44' to N.-0' | P. | E. | 3' | 2' | 543 | #52 | CHRIS | J.K. | 7-20 | D.M. | P. - | - | J.K. |
| 05-07 | 50/52 | 56' to " " | P. | E. | 2' | 2' | 544 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 50/52 | 44' to 62' | R. | E. | 18' | - | 545 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 50-52-53 | 62' to " " | P. | E. | 3' | 3' | 546 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 50/53 | 99' to " " | D/S-22 | E. | 5' | 2' | 547 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 12-07 | PH-20 | 48' HORIZONTAL CAP | CAP | E | 24' | 2' | 548 | #227 | T.T. | J.K. | " | " | P. - | - | J.K. |
| 03-07 | 52/54 | 25' to " | P. | E. | 2' | 2' | 549 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 03-07 | 52/54 | 40' to " | P. | E. | 2' | 2' | 550 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 03-07 | 52/54 | 50' to " | P. | E. | 2' | 2' | 551 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 03-07 | 52/54 | 58' to " | P. | E. | 4' | 3' | 552 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 52/54 | 70' to " | P. | E. | 3' | 3' | 553 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 52/54 | 58' to 70' | R. | E. | 12' | - | 554 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 52/54 | 70 to 75' | R. | E. | 5' | - | 555 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 52-53-54 | 75' to " | P. | E. | 3' | 2' | 556 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 05-07 (15) | 53-54-55 | 84' to " | P. | E. | 2' | 2' | 557 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 05 day 07 month 1985 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE/JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-5 | 53/55 | 199' to N.-0' | P. | E. | 2' | 2' | 558 | #291 | VANH. | J.K. | 7-7 | O.M | P. | - | J.K. |
| 7-5 | 53/55 | 205' to " | P. | E. | 3' | 2' | 559 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 53/55 | 199' to 205 | R. | E. | 6' | - | 560 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-3 | 54/56 | 46' to " | DS-23 | E. | 5' | 2' | 561 | #52 | chris | J.K. | 7-5 | O.M. | P. | - | J.K. |
| 7-3 | 54/56 | 42' to " | P. | E. | 4' | 4' | 562 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-3 | 54/56 | 63' to " | P. | E. | 4 | 3' | 563 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-3 | 54/56 | 75' to " | P. | E. | 2' | 2' | 564 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-3 | 54/56 | 42' to 82' | R. | E. | 40' | - | 665 | " | " | J.K. | " | " | P. | - | J.K. |
| * 7-10 | 42-43 44-46 | 38' to C.S.-0' | P. | E. | 7' | 5' | 566 | #291 | VAHN. | J.K. | 7-12. | C.O. | P. | - | J.K. |
| 7-10 | 42/46 | 57' to C.S.-0' | P. | E. | 2' | 1' | 567 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | 42-46 47 | 69' to " " | P. | E. | 2' | 2' | 568 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | 41-42 47-48 | 98' to " " | P. | E. | 3' | 3' | 569 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | 41-48-49 | 126' to " " | P. | E | 3' | 2' | 570 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | 40-41-49 | 142' to " " | P. | E. | 2' | 2' | 571 | " | " | J.K. | " | " | P. | - | J.K. |
| (15) 7-10 | 40/49 | 142' to 155' | R. | E. | 13' | - | 572 | " | " | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* C.S.-0' = CROSSEAM ZERO.

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-10 | 40/50 | 166' to C.S.-0' | DS-21 | E. | 5' | 2' | 573 | #291 | VANH. | J.K. | 7-12 | C.O. | P. - | - | J.K. |
| 7-10 | 39-40 50-53 | 184' to " " | P. | E. | 4' | 3' | 574 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-10 | 39/53 | 184' to 200' " | R. | E. | 16' | - | 575 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-10 | 39/53 | 200' to " " | P. | E. | 2' | 2' | 576 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-10 | 39-53-55 | 210' to " " | P. | E. | 3' | 2' | 577 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-10 | 39/55 | 230' to " " | P. | E. | 3' | 2' | 578 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-10 | 38/55 | 244' to " " | P. | E. | 2' | 2' | 579 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-10 | 38/55 | 230' to 244' | C. | E. | 14' | 2' | 580 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-3 | 54/56 | 63' to N.-0' | P. | E. | 3' | 2' | 581 | #52 | CHRIS | J.K. | 7-5 | D.M. | P. - | - | J.K. |
| 7-3 | 54/56 | 75' to " " | P. | E. | 2' | 2' | 582 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-3 | 54/56 | 63' to 75' | R. | E. | 12' | - | 583 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-3 | 54-56-57 | 82' to N.-0' | P. | E. | 3' | 2' | 584 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-3 | 54-55-57 | 88' to " " | P. | E. | 2' | 2' | 585 | #227 | J.M. | J.K. | " | " | P. - | - | J.K. |
| 7-3 | 54/57 | 82' to 88' - " | R. | E. | 6' | - | 586 | " | " | J.K. | " | " | P. - | - | J.K. |
| (15) 7-3 | 56/57 | CAP FULL SEAM | CAP. | E. | 26' | 2' | 587 | " | " | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 05 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-5 | 55/57 | 204' to N.-0' | DS-24 | E. | 5' | 2' | 588 | #281 | K.C. | J.K. | 7-7 | D.M. | P. | - | J.K. |
| 7-5 | 55/57 | 219' to " | P. | E. | 3' | 2' | 588 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 55/57 | 231' to " | P. | E. | 4' | 4' | 590 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 55/57 | 219' to 231' | R. | E. | 12' | - | 591 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 56/58 | 66' to " | P. | E. | 3' | 3' | 592 | #52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 7-5 | 56/58 | 78' to " | P. | E. | 2' | 2' | 593 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 56/58 | 66' to 83' | R. | E. | 17' | - | 594 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 57-58-59 | 93' to " | P. | E. | 2' | 2' | 595 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 57/59 | 226' to " | P. | E. | 6' | 4' | 596 | #281 | K.C. | J.K. | 7-7 | D.M. | P. | - | J.K. |
| 7-6 | 57/59 | 238' to " | P. | E. | 2' | 2' | 597 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 57/59 | 226' to 238' | R. | E. | 12' | - | 598 | " | " | J.K. | " | " | P. | - | J.K. |
| * 7-10 | 37-38-57 | 263' to C.S.-0' | P. | E. | 2' | 2' | 599 | #291 | VANH. | J.K. | 7-12 | C.O. | P. | - | J.K. |
| 7-10 | 37-57-59 | 280' to " " | P. | E. | 3' | 2' | 600 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | 36-37-59 | 296' to " " | P. | E. | 2' | 2' | 601 | " | " | J.K. | " | " | P. | - | J.K. |
| (15) 7-10 | 36-59-60 | 316' to " " | P. | E. | 3' | 3' | 602 | " | " | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION * C.S.-0' = CROSSSEAM ZERO.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-07 | 58/66 | 11'to N. -0' | P. | E. | 2' | 2' | *1188 | #281 | KC | J.K. | 7-14 | D.M. | P. | - | J.K. |
| 10-07 | 58/66 | 0'to 11'to" | CAP. | E. | 11' | 2' | 1189 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 58-65-66 | 27'to" | P. | E. | 3' | 2' | 1190 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 58/65 | 77'to" | P. | E. | 2' | 2' | 1191 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 58/65 | 83'to" | P. | E. | 2' | 2' | 1192 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 58/65 | 89'to" | P. | E. | 2' | 2' | 1193 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 58/65 | 77'to97'to" | R. | E. | 20' | - | 1194 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 58-59 62-65 | 97'to" | P. | E. | 4' | 4' | 1195 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 59/63 | 122'to" | DS-25 | E. | 5' | 2' | 1196 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 59-61 62-63 | 231'to" | P. | E. | 3' | 3' | 1197 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 59/62 | 237'to" | P. | E. | 2' | 2' | 1198 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 59/62 | 231'to 237'to" | R. | E. | 6' | - | 1199 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 59/60 61/60 | 279'to" | P. | E. | 3' | 2' | 1200 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 65/66 | 13'to" | P. | E. | 3' | 2' | 1201 | 281 | KC | J.K. | " | " | P. | - | J.K. |
| 10-07 | 65/66 | 0'to 13'to" | CAP. | E. | 13' | 2' | 1202 | 281 | KC | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* REPAIR No.# CONTINUATION OF PAGE # 78.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 mil Cap Text. — CONTRACTOR: Gundle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-07 | 63/65 | 9'to N.-0' | P. | E. | 2' | 1' | 1203 | #281 | KC | J.K. | 7-14 | D.M. | P. - | - | J.K. |
| 10-07 | 63/65 | 70'to " | P. | E. | 4' | 3' | 1204 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-07 | 63/65 | 76'to " | P. | E. | 2' | 2' | 1205 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-07 | 63/65 | 82'to " | P. | E. | 3' | 2' | 1206 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-07 | 63/65 | 70'to 90'to " | R. | E. | 20' | - | 1207 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-07 | 62/63 | 70'to " | P. | E. | 2' | 2' | 1208 | 281 | KC | J.K. | 7-17 | D.M. | P. - | - | J.K. |
| 10-07 | 62/63 | 82'to " | P. | E. | 2' | 2' | 1209 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-07 | 62/63 | 70'to 82'to " | R. | E. | 12' | - | 1210 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-07 | 61/62 | Ext. Full Seam. | G. | E. | 20' | - | 1211 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 60/62 | 22'to " | DS-26 | E. | 5' | 2' | 1212 | #52 | CS | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 60/62 | 70'to " | P. | E. | 3' | 2' | 1213 | #227 | TT | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 60/62 | 82'to " | P. | E. | 3' | 2' | 1214 | 227 | TT | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 60/62 | 70'to 82'to " | R. | E. | 12' | - | 1215 | 227 | TT | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 60/62 | 206'to " | P. | E. | 2' | 2' | 1216 | #281 | KC | J.K. | " | " | P. - | - | J.K. |
| 05-07 (rs) | 60/62 | 206'to 212'to " | R. | E. | 6' | - | 1217 | 281 | KC | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 05 day 07 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 05-07 | 60-61 62 | 212'+0 N-0' | P. | E. | 3' | 2' | 1218 | #281 | KC | J.K. | 7-17 | D.M | P. - | - | J.K. |
| 05-07 | 60/61 | 218'+0" | P. | E. | 2' | 2' | 1219 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| 05-07 | 60/61 | 212'+0 218'+0" | R. | E. | 6' | - | 1220 | 281 | KC | J.K. | " | " | P. - | - | J.K. |
| | | Note. Return to Page # | | | 79. | | | | | J.K. | | | | | |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-10 | 35-36-60 | 325' to C.S.-0' | P. | E. | 2' | 2' | 603 | #291 | VANH. | J.K. | 7-12 | C.O. | P. | - | J.K. |
| 7-10 | 35/60 | 325' to 333' to " | R. | E. | 8' | - | 604 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-8 | 60/80 | 3' to N.-0' | P. | E. | 2' | 2' | 605 | #52 | CHRIS | J.K. | 7-10 | " | P. | - | J.K. |
| 7-8 | 60-67-80 | 25' to " | P. | E. | 3' | 2' | 606 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-8 | 67/80 | 15' E. of 60-67-80 | P. | E. | 2' | 1' | 607 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 42' to N.-0' | P. | E. | 2' | 2' | 608 | #291 | VANH | J.K. | 7-7 | D.M. | P. | - | J.K. |
| 7-6 | 60/67 | 69' to " " | P. | E. | 3' | 2' | 609 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 81' to " " | P. | E. | 4' | 3' | 610 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 98' to " " | P. | E. | 2' | 2' | 611 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 69' to 98' to " | CAP. | E. | 29' | 2' | 612 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 198' to " " | P. | E. | 2' | 1' | 613 | #281 | K-C. | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 210' to " " | P. | E. | 2' | 2' | 614 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 225' to " " | P. | E. | 3' | 3' | 615 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 60/67 | 198' to 225' to " | CAP. | E. | 17' | 2' | 616 | " | " | J.K. | " | " | P. | - | J.K. |
| (15) 7-8 | 68/80 | 0' to 8' to N.-0' | CAP. | E. | 8' | 2' | 617 | #52 | CHRIS | J.K. | 7-12. | C.O. | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* C.S.-0' = CROSSEAM ZERO.

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 08 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-8 | 67/68 | 12' to N.-0' | P. | E. | 2' | 2' | 618 | #52 | CHRIS | J.K. | 7-10 | C.O | P. | - | J.K. |
| 7-8 | 67/68 | 56' to " " | D/S-27 | E. | 5' | 2' | 619 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 68' to " " | P. | E. | 3' | 2' | 620 | #291 | VANH | J.K. | 7-7 | D.M. | P. | - | J.K. |
| 7-6 | 67/68 | 80' to " " | P. | E. | 2' | 2' | 621 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 68' to 80' to " " | R. | E. | 12' | - | 622 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 96' to " " | P. | E. | 2' | 1' | 623 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 140' to " " | P. | E. | 2' | 1' | 624 | #281 | KC | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 147' to " " | P. | E. | 2' | 2' | 625 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 191' to " " | P. | E. | 3' | 2' | 626 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 203' to " " | P. | E. | 4' | 2' | 627 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 191' to 203' to " " | R. | E. | 12' | - | 628 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 67/68 | 281' to " " | P. | E. | 2' | 2' | 629 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 68/69 | 47' to N.-0' | P. | E. | 5' | 3' | 630 | #291 | VANH | J.K. | " | " | P. | - | J.K. |
| 7-6 | 68/69 | 65' to " " | P. | E. | 2' | 2' | 631 | " | " | J.K. | " | " | P. | - | J.K. |
| (15) 7-6 | 68/69 | 67' to " " | P. | E. | 3' | 3' | 632 | " | " | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 06 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-6 | 68/69 | 79' to N.-0' | P. | E. | 3' | 2' | 633 | #291 | VANH | J.K. | 7-7 | D.M. | P. - | - | J.K. |
| 7-6 | 68/69 | 67' to 79' to " | R. | E. | 12' | - | 634 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 68/69 | 171' to " | D/S-28 | E. | 5' | 2' | 635 | #281 | K.C. | J.K. | 7-10 | D.M. | P. - | - | J.K. |
| 7-6 | 68/69 | 191' to " | P. | E. | 2' | 2' | 636 | #281 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 68/69 | 203 to " | P. | E. | 3' | 2' | 637 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 68/69 | 191' to 208' to " | CAP. | E. | 17' | 2' | 638 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 68-69-70 | 208' to " | P. | E. | 4' | 3' | 639 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 69/70 | CAP Full Seam | CAP. | E. | 22' | 2' | 640 | #281 | KC. | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 68 70 | 316' to " | P. | E. | 2' | 2' | 641 | " | " | J.K. | 7-10 | D.M. | P. - | - | J.K. |
| 7-7 | 68/70 | 325 to " | P. | E. | 2' | 2' | 642 | " | " | J.K. | 7-10 | D.M. | P. - | - | J.K. |
| 7-7 | 68/70 | 316' to 325' to " | R. | E. | 9' | - | 643 | " | " | J.K. | 7-10 | D.M. | P. - | - | J.K. |
| 7-6 | 69/79 | 10' to N.-0' | P. | E. | 2' | 1' | 644 | #291 | VANH | J.K. | 7-7 | D.M. | P. - | - | J.K. |
| 7-6 | 69/79 | 10' to 13' to " | R. | E. | 3' | - | 645 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 69-71-79 | 13' to " | P. | E. | 2' | 2' | 646 | " | " | J.K. | " | " | P. - | - | J.K. |
| (3) 7-6 | 69/71 | 21' to " | P. | E. | 2' | 1' | 647 | " | " | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 06 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. Tex. L.D.P.E. CAP. — CONTRACTOR: Gundle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-6 | 69/71 | 74' to N.-0' | P. | E. | 3' | 3' | 648 | #291 | VANH. | J.K. | 7-7 | D.M. | P. | - | J.K. |
| 7-6 | 69/71 | 86' to " | P. | E. | 2' | 2' | 649 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 69/71 | 74' to 86' to " | R. | E. | 12' | - | 650 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-8 | 69/71 | 202' to " | P. | E. | 2' | 2' | 651 | " | " | J.K. | 7-10 | D.M. | P. | - | J.K. |
| 7-8 | 69/71 | 214' to " | P. | E. | 3' | 2' | 652 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-8 | 69/71 | 202' to 219' to " | R. | E. | 18' | - | 653 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-8 | 69-70-71 | 219' to " | P. | E. | 2' | 2' | 654 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-7 | 70/71 | 322' to " | DS-29 | E. | 5' | 2' | 655 | #281 | K.C. | J.K. | 7-10 | D.M. | P. | - | J.K. |
| 7-7 | 70/71 | 332' to " | P. | E. | 3' | 2' | 656 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-7 | 70/71 | 344' to " | P. | E. | 2' | 2' | 657 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-7 | 70/71 | 332' to 344' to " | R. | E. | 12' | - | 658 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-7 | P#-71 | 345' HORIZONTAL CAP | CAP. | E. | 24' | 2' | 659 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-7 | P#-71 | 345' & 16' EAST | P. | E. | 6' | 2' | 660 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-6 | 71-72-79 | 6' to N.-0' | P. | E. | 2' | 2' | 661 | #291 | VANH. | J.K. | 7-7 | D.M. | P. | - | J.K. |
| (15) 7-6 | 71/72 | 63' to " | P. | E. | 5' | 2' | 662 | " | " | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 06 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: Gundle / JDP

| DATE (doy/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (doy/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-6 | 71/72 | 70' to N.-0' | P. | E. | 3' | 2' | 663 | #291 | VANH | J.K. | 7-7 | C.O. | P. - | - | J.K. |
| 7-6 | 71/72 | 82' to " | P. | E. | 3' | 3' | 664 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 70' to 82' to " | R. | E. | 12' | - | 665 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 140' to " | P. | E. | 6' | 3' | 666 | #281 | K.C. | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 162' to " | P. | E. | 5' | 2' | 667 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 175' to " | P. | E. | 2' | 2' | 668 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 197' to " | P. | E. | 2' | 2' | 669 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 209' to " | P. | E. | 3' | 2' | 670 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 197' to 209' to " | R. | E. | 12' | - | 671 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 225' to " | P. | E. | 4' | 2' | 672 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 325' to " | P. | E. | 3' | 2' | 673 | #291 | VANH | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 337' to " | P. | E. | 2' | 2' | 674 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 325' to 337' to " | R. | E. | 12' | - | 675 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 71/72 | 342' to " | P. | E. | 2' | 2' | 676 | " | " | J.K. | " | " | P. - | - | J.K. |
| (13) 7-6 | P# 71 | 401 & 3' west | G. | E. | - | - | 677 | " | " | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 06 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-6 | 72/73 | 72' to N. 0' | P. | E. | 2' | 2' | 678 | #291 | VANH | J.K. | 7-10 | C.O. | P. - | - | J.K. |
| 7-6 | 72/73 | 84' to " | P. | E. | 2' | 2' | 679 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-6 | 72/73 | 72' to 84' to " | R. | E. | 12' | - | 680 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 72/73 | 204' to " | P. | E. | 3' | 2' | 681 | #52 | CHRIS | J.K. | 7-10 | D.M. | P. - | - | J.K. |
| 7-7 | 72/73 | 216' to " | P. | E. | 2' | 2' | 682 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 72/73 | 204' to 216' to " | R. | E. | 12' | - | 683 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 72/73 | 329-~~344~~' to " | P. | E. | 5' | 4' | 684 | #281 | K.C. | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 72/73 | 341' to " | P. | E. | 3' | 2' | 685 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 72/73 | 329' to 341' to " | R. | E. | 12' | - | 686 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 72/73 | 360' to " | DS-30 | E. | 5' | 2' | 687 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/77 | 27' to " | P. | E. | 2' | 1' | 688 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73-75-77 | 31' to " | P. | E. | 3' | 3' | 689 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/75 | 75' to " | P. | E. | 3' | 2' | 690 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/75 | 87' to " | P. | E. | 2' | 2' | 691 | " | " | J.K. | " | " | P. - | - | J.K. |
| (15) 7-7 | 73/76 | 76' to 93' to " | R. | E. | 18' | - | 692 | " | " | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 07 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE/JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-7 | 73-75-76 | 93'to N.-0' | P. | E. | 4' | 3' | 693 | #52 | CHRIS | J.K. | 7-10 | C.O. | P. - | - | J.K. |
| 7-7 | 75/76 | CAP Full Seam | CAP. | E. | 17' | 2' | 694 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/76 | 203'to " | P. | E. | 2' | 2' | 695 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/76 | 203'to 209'to " | R. | E. | 6' | - | 696 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 76/78 | Ext. Full Seam | R. | E. | 11' | - | 697 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/78 | 209'to 215'to " | R. | E. | 6' | - | 698 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/78 | 215'to " | P. | E. | 2' | 2' | 699 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73-74-78 | 312'to " | P. | E. | 4' | 3' | 700 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/74 | 328'to " | P. | E. | 2' | 2' | 701 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/74 | 340'to " | P. | E. | 2' | 1' | 702 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/74 | 344'to " | P. | E. | 2' | 2' | 703 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-7 | 73/74 | 328'to 344'to " | R. | E. | 16' | - | 704 | " | " | J.K. | " | " | P. - | - | J.K. |
| * 7-10 | 34-35-67 | 347'to C.S.-0' | P. | E. | 3' | 2' | 705 | #291 | VANH | J.K. | 7-11 | D.M. | P. - | - | J.K. |
| 7-10 | 34-67-68 | 375'to N.-0' | P. | E. | 4' | 3' | 706 | " | " | J.K. | " | " | P. - | - | J.K. |
| (15) 7-10 | 33-34-68 | 390'to C.S.-0' | P. | E. | 3' | 2' | 707 | " | " | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.

(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION

(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* C.S.-0' = CROSSEAM ZERO.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 07 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 mil Cap Text. — CONTRACTOR: Gundle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 07-07 | 74/75 | 21'to N.-0' | DS-32 | E. | 5' | 2' | 1236 | #52 | CHRIS | J.K. | 7-14 | D.M. | P. - | - | J.K. |
| 07-07 | 74/75 | 77'to " | P. | E. | 3' | 2' | 1237 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/75 | 89'to " | P. | E. | 2' | 2' | 1238 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/75 | 77'to 93'to " | R. | E. | 16' | - | 1239 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74-76 76 | 93'to A | P. | E. | 2' | 2' | 1240 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/76 | 140'to " | P. | E. | 2' | 1' | 1241 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/76 | 180'to " | P. | E. | 2' | 1' | 1242 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/76 | 208'to " | P. | E. | 8' | 2' | 1243 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/76 | 203to209'to " | R. | E. | 6' | - | 1244 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74-76 78 | 209'to " | P. | E. | 2' | 2' | 1245 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/78 | 215'to " | P. | E. | 2' | 2' | 1246 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 07-07 | 74/78 | 209'to 215'to " | R. | E. | 6' | - | 1247 | 52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GO TO PAGE #80 FOR REPAIR #1248

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TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: Gundle / JDP

| | DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| * | 7-10 | 33/68 | 404' to C.S.-0' | D/S-31 | E. | 5' | 2' | 708 | #291 | VANH. | J.K. | 7-11 | D.M. | P | - | J.K. |
| | 7-10 | 33-68-70 | 410' to " " | P. | E. | 2' | 2' | 709 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 33-32 70-71 | 442 to " " | P. | E. | 12' | 10' | 710 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 31-32-71 | 470' to " " | P. | E. | 8' | 6' | 711 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 31/71 | 470' to 489' to " | R. | E. | 19' | - | 712 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 31-71-72 | 489' to " " | P. | E. | 3' | 2' | 713 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 31-72-73 | 512' to " " | P. | E. | 2' | 2' | 714 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 31-73-74 | 585' to " " | P. | E. | 4' | 2' | 715 | " | | J.K. | " | " | P | - | J.K. |
| * | 7-10 | #51/SKIRT | See Field Drawings | S. | E. | 6'x4'x22 | | 716 | #52 | Chris | J.K. | 7-10 | D.M. | P | - | J.K. |
| | 7-10 | #52/SKIRT | " " " | S. | E. | 2'x15'x22' | | 717 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | #81/SKIRT | " " " | S. | E. | 4'x7'x22' | | 718 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | #81/SKIRT | " " " | D/S-33 | E. | 5' | 2' | 719 | " | " | J.K. | " | " | P | - | J.K. |
| | 7-10 | 58/66 | 9' to N.-0' | CAP. | E. | 9' | 2' | 720 | #227 | J.M. | J.K. | " | " | P | - | J.K. |
| | 7-10 | 65/66 | 0' to 7' | CAP. | E. | 7' | 2' | 721 | " | " | J.K. | " | " | P | - | J.K. |
| | (15) 7-10 | #69/SKIRT | " " " | S. | E. | 3'x8'x22' | | 722 | " | " | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* C.S.-0' = CrossSeam Zero.

* Note: Entry # 716 Begins Add-On Skirts to North Slope Panels

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST. FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-10 | #68/SKIRT | See Field Drawings | S. | E. | 2'x5' | x22' | 723 | #52 | CHRIS | J.K. | 7-10 | D.M. | P. | - | J.K. |
| 7-10 | #80/SKIRT | " " " | S. | E. | 2'x9' | x22' | 724 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | #72/SKIRT | " " " | S. | E. | 2'x3' | x22' | 725 | #227 | J.M. | J.K. | " | " | P. | - | J.K. |
| 7-10 | #73/SKIRT | " " " | S. | E. | 2'x2' | x22' | 726 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | #76/SKIRT | " " " | S. | E. | 1'x2' | x11' | 727 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-10 | #74/SKIRT | " " " | S. | E. | 2'x3' | x22' | 728 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 56-58-81 | 32' to N.-0' | P. | E. | 4' | 2' | 729 | #281 | K.C. | J.K. | " | " | P. | - | J.K. |
| 7-5 | 81/82-54 | 28' to " " | P. | E. | 2' | 2' | 730 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 54-56-81 | 30' to " " | P. | E. | 3' | 2' | 731 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-5 | 52-53-82 | 25' to " " | P. | E. | 3' | 3' | 732 | #52 | C.S. | J.K. | " | " | P. | - | J.K. |
| 7-5 | 53-54-82 | 27' to " " | P. | E. | 2' | 2' | 733 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-13 | 29/83 | 22' to West-0' | P. | E. | 3' | 2' | 734 | #227 | CHRIS | J.K. | 7-19 | C.O. | P. | - | J.K. |
| 7-13 | 29/83 | 34' to " | P. | E. | 2' | 2' | 735 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-13 | 29/83 | 22' to 34' to " | R. | E. | 12' | - | 736 | " | " | J.K. | " | " | P. | - | J.K. |
| (15) 7-13 | 29/83 | 37' to " | 0/6-36 | E. | 5' | 2' | 737 | " | " | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* See Note Page #47.

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 13 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-13 | 29/83 | 83' to West-0' | P. | E. | 2' | 1' | 738 | #227 | CHRIS | J.K. | 7-19 | C.O. | P. - | - | J.K. |
| 7-14 | 29/83 | 147' to " | P. | E. | 2' | 2' | 739 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 7-14 | 29/83 | 159' to " | P. | E. | 2' | 2' | 740 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-14 | 29/83 | 147' to 159' to " | R. | E. | 12' | - | 741 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 258' to " | P. | E. | 3' | 2' | 742 | #281 | K.C. | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 270' to " | P. | E. | 2' | 2' | 743 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 276' to " | P. | E. | 4' | 3' | 744 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 258' to 276' to " | CAP. | E. | 17' | 2' | 745 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 346' to " | P. | E. | 2' | 2' | 746 | #52 | V.S. | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 358' to " | P. | E. | 3' | 2' | 747 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 29/83 | 346' to 358' to " | R. | E. | 12' | - | 748 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 83/84 | 19' to " | P. | E. | 4' | 2' | 749 | #227 | CHRIS | J.K. | 7-20 | " | P. - | - | J.K. |
| 7-13 | 83/84 | 32' to " | P. | E. | 3' | 2' | 750 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-13 | 83/84 | 19' to 32' to " | R. | E. | 18' | - | 751 | " | " | J.K. | " | " | P. - | - | J.K. |
| (15) 7-14 | 83/84 | 142' to " | P. | E. | 2' | 2' | 752 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-14 | 83/84 | 154' to West-0' | P. | E. | 3' | 2' | 753 | #52 | CHRIS | J.K. | 7-20 | C.O. | P | - | J.K. |
| 7-14 | 83/84 | 142' to 154' to " | R. | E. | 12' | - | 754 | " | " | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 250' to " | P. | E. | 2' | 2' | 755 | #281 | K.C. | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 262' to " | P. | E. | 2' | 2' | 756 | " | " | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 250' to 262' to " | R. | E. | 12' | - | 757 | " | " | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 337' to " | P. | E. | 3' | 3' | 758 | #52 | V.S. | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 349' to " | P. | E. | 2' | 2' | 759 | " | " | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 337' to 349' to " | R. | E. | 12' | - | 760 | " | " | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 402' to " | DS-34 | E. | 5' | 2' | 761 | " | " | J.K. | " | " | P | - | J.K. |
| 7-13 | 83/84 | 411' to " | P. | E. | 2' | 1' | 762 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 84/85 | 18' to " | P. | E. | 2' | 2' | 763 | #52 | CHRIS | J.K. | " | " | P | - | J.K. |
| 7-14 | 84/85 | 30' to " | P. | E. | 3' | 1' | 764 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 84/85 | 18' to 30' to " | R. | E. | 12' | - | 765 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 84/85 | 143' to " | P. | E. | 2' | 2' | 766 | " | " | J.K. | " | " | P | - | J.K. |
| (15) 7-14 | 84/85 | 156' to " | P. | E. | 2' | 2' | 767 | " | " | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 14 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-14 | 84/85 | 143'to156'to" | R. | E. | 12' | - | 768 | #52 | CHRIS | J.K. | 7-20 | C.O. | P. | - | J.K. |
| 7-14 | 84/85 | 252'to West-0' | P. | E. | 2' | 2' | 769 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 264'to " | P. | E. | 2' | 2' | 770 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 252'to264'to " | R. | E. | 12' | - | 771 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 278'to " | D/S-36 | E. | 5' | 2' | 772 | #281 | KC. | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 333'to " | P. | E. | 2' | 1' | 773 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 339'to " | P. | E. | 3' | 2' | 774 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 351'to " | P. | E. | 4' | 2' | 775 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 84/85 | 333to351'to " | R. | E. | 18' | - | 776 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 85/86 | 18'to " | P. | E. | 2' | 2' | 777 | #227 | VANH | J.K. | " | " | P. | - | J.K. |
| 7-14 | 85/86 | 30'to " | P. | E. | 3' | 2' | 778 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 85/86 | 18'to30'to" | R. | E. | 12' | - | 779 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-14 | 85/86 | 144'to " | P. | E. | 2' | 2' | 780 | #52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 7-14 | 85/86 | 156'to " | P. | E. | 2' | 2' | 781 | " | " | J.K. | " | " | P. | - | J.K. |
| (15) 7-14 | 85/86 | 144'to156'to " | R. | E. | 12' | - | 782 | " | " | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 17 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JPP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-17 | 85/86 | 196' to west-o' | DS-37 | E | 5' | 2' | 783 | #281 | KC. | J.K. | 7-20 | C.O. | P - | - | J.K. |
| 7-14 | 85/86 | 255' to " | P. | E. | 3' | 3' | 784 | #52 | CHRIS | J.K. | " | " | P - | - | J.K. |
| 7-14 | 85/86 | 267' to " | P. | E. | 3' | 3' | 785 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 85/86 | 255' to 267' to " | R. | E. | 12' | - | 786 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 85/86 | 346' to " | P. | E. | 2' | 2' | 787 | #281 | KC. | J.K. | " | " | P - | - | J.K. |
| 7-14 | 85/86 | 358' to " | P. | E. | 3' | 2' | 788 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 85/86 | 346 to 358' to " | R. | E. | 12' | - | 789 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 8' to " | DS-38 | E. | 5' | 2' | 790 | #227 | VANH. | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 17' to " | P. | E. | 2' | 2' | 791 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 29' to " | P. | E. | 3' | 2' | 792 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 17' to 29' to " | R. | E. | 12' | - | 793 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 141' to " | P. | E. | 3' | 3' | 794 | #52 | CHRIS | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 153' to " | P. | E. | 4' | 2' | 795 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 | 86/88 | 141' to 153' to " | R. | E. | 12' | - | 796 | " | " | J.K. | " | " | P - | - | J.K. |
| 7-14 (15) | 86/88 | 200' to " | P. | E. | 2' | 1' | 797 | " | " | J.K. | " | " | P - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. Tex. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 14 day 07 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-14 | 86/88 | 240' to West-0' | P. | E. | 2' | 2' | 798 | #52 | CHRIS. | J.K. | 7-20 | C.O | P | - | J.K. |
| 7-14 | 86/88 | 248' to " | P. | E. | 2' | 2' | 799 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86/88 | 254' to " | P. | E. | 3' | 2' | 800 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86/88 | 266' to " | P. | E. | 3' | 3' | 801 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86/88 | 248 to 266 to " | CAP. | E. | 10' | - | 802 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86-87-88 | 312' to " | P. | E. | 8' | 6' | 803 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86/87 | 350' to " | P. | E. | 4' | 2' | 804 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86/87 | 356' to " | P. | E. | 2' | 2' | 805 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | 86/87 | 350' to 356' to " | R. | E. | 6' | - | 806 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | P# 86 | 350' 6' N. | P. | E. | 3' | 2' | 807 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | P# 86 | Between Repair #804 & #807 | G. | E. | 6' | - | 808 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | P# 86 | 356' 13' N. | P. | E. | 5' | 2' | 809 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | P# 86 | 362' 6' N. | P. | E. | 3' | 2' | 810 | " | " | J.K. | " | " | P | - | J.K. |
| 7-14 | P# 86 | Between Repair #809 & 810 | G. | E. | 7' | - | 811 | " | " | J.K. | " | " | P | - | J.K. |
| (15) 7-14 | 86-87-88 | 312' to 325' | CAP. | E. | 13' | 2' | 812 | " | " | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 14 day 07 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-14 | 86-87-88 | 325' to West. 0' | P. | E. | 2' | 2' | 813 | #52 | CHRIS | J.K. | 7-20 | C.O. | P. - | - | J.K. |
| 7-17 | 89-90-92 | 3' to " | P. | E. | 2' | 2' | 814 | #227 | VANH | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 18' to " | P. | E. | 3' | 2' | 815 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 30' to " | P. | E. | 3' | 3' | 816 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 18' to 30' to" | R. | E. | 12' | - | 817 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 128' to " | DS-39 | E. | 5' | 2' | 818 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 139' to " | P. | E. | 2' | 2' | 819 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 151' to " | P. | E. | 3' | 1' | 820 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 139' to 151' to" | R. | E. | 12' | - | 821 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 255' to " | P. | E. | 2' | 2' | 822 | #281 | KC | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 267' to " | P. | E. | 2' | 2' | 823 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 88/89 | 255 to 267' to" | R. | E. | 12' | - | 824 | " | " | J.K. | " | " | P. - | - | J.K. |
| " | 89-90-92 | 3' to " | P. | E. | 2' | 2' | 825 | #227 | VANH | J.K. | " | " | P. - | - | J.K. |
| " | 89/92 | 19' to " | P. | E. | 3' | 2' | 826 | " | " | J.K. | " | " | P. - | - | J.K. |
| (15) " | 89/92 | 19' to 26' | R. | E. | 6' | - | 827 | " | " | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 17 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-17 | 89-91-92 | 25' to West. - 0' | P. | E. | 3' | 2' | 828 | #227 | VANH | J.K. | 7-20 | C.O. | P. - | - | J.K. |
| 7-17 | 89/91 | 31' to " | P. | E. | 2' | 2' | 829 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 25' to 31' to " | R. | E. | 6' | - | 830 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 100' to " | P. | E. | 2' | 1' | 831 | #52 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 141' to " | P. | E. | 3' | 2' | 832 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 153' to " | P. | E. | 2' | 2' | 833 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 141' to 153' to " | R. | E. | 12' | - | 834 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 240' to " | D/S-40 | E. | 5' | 2' | 835 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 262 to " | P. | E. | 4' | 2' | 836 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 274' to " | P. | E. | 3' | 2' | 837 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 89/91 | 262 to 274' to " | R. | E. | 12' | - | 838 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | 91/92 | Ext. Full Seam | G. | E. | 22' | - | 839 | #227 | VANH | J.K. | " | " | P. - | - | J.K. |
| 7-17 | P" 89 | 243' & 4' N. | P. | E. | 4' | 2' | 840 | " | " | J.K. | " | " | P. - | - | J.K. |
| 7-17 | P' 89 | 258' & 7' N. | P. | E. | 4' | 3' | 841 | " | " | J.K. | " | " | P. - | - | J.K. |
| (15) 7-17 | P" 89 | Between Repair # 840 & 841 | G. | E | 15' | - | 842 | " | " | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 17 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # No. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 7-17 | P#89 | 260' to West - 0' | P. | E. | 3' | 2' | 843 | #227 | VANH. | J.K. | 7-20 | C.O. | P. | - | J.K. |
| 7-17 | P#89 | 243' to 260' to " | G. | E. | 17' | - | 844. | #227 | VANH | J.K. | " | " | P. | - | J.K. |
| 7-17 | 92/93 | 19' to " | P. | E. | 2' | 2' | 845. | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 92/93 | 25' to 19' to " | R. | E. | 6' | - | 846. | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91-92-93 | 25' to " | P. | E. | 3' | 2' | 847. | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91/93 | 31' to " | P. | E. | 2' | 2' | 848. | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91/93 | 25' to 31' to " | R. | E. | 6' | - | 849. | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91/93 | 134' to " | Boot. | E. | 10' | 4' | 850. | #52 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91/93 | 137' to " | P. | E. | 3' | 2' | 851 | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91/93 | 149' to " | P. | E. | 2' | 2' | 852. | " | " | J.K. | " | " | P. | - | J.K. |
| 7-17 | 91/93 | 134' to 149' to " | R. | E. | 15' | - | 853 | #52 | CHRIS. | J.K. | " | " | P. | - | J.K. |
| 26-07 | 93/94 | 19' to " | P. | E. | 2' | 2' | 854 | #133 | LK | J.K. | 7-28 | SAL. | P. | - | J.K. |
| 26-07 | 93/94 | 31' to " | P. | E. | 2' | 2' | 855 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 26-07 | 93/94 | 19' to 31' to " | R. | E. | 12' | - | 856 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 9(15)-07 | 93/94 | 72' to " | 0/S-41 | E. | 5' | 2' | 857. | #224 | TT | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 26-07 | 93/94 | 127' to West-0' | P. | E. | 4' | 3' | 858 | #133 | L.K | J.K. | 7-28 | SAL. | P. - | - | J.K. |
| 26-07 | 93/94 | 137' to " | P. | E. | 3' | 3' | 859. | 133 | L.K | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 93/94 | 149' to " | P. | E. | 2' | 2' | 860. | 133 | L.K | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 93/94 | 127' to 149' to " | R. | E. | 22' | - | 861. | 133 | L.K | J.K. | " | " | P. - | - | J.K. |
| 26-07 | P# 93 | 134' 7" N. | P. | E. | 4' | 3' | 862 | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | P# 93 | 137' 11" N. | P. | E. | 3' | 3' | 863. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | P# 93 | Between Repair #862 & 863 | G. | E. | 5' | - | 864. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | P# 93 | Between Repair #859 & 862. | G. | E. | 7' | - | 865. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/97 | 15' to W. 0' | P. | E. | 2' | 2' | 866. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/97 | 27' to " | P. | E. | 3' | 2' | 867. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/97 | 15' to 27' to " | R. | E. | 12' | - | 868. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/97 | 35' to " | P. | E. | 2' | 1' | 869. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/97 | 60' to " | P. | E. | 1' | 1' | 870. | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/97 | 75' to " | P. | E. | 2' | 2' | 871 | 133 | LK | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 97/98 | 30' to " | P. | E. | 3' | 2' | 872. | 133 | LK | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 7 day 27 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40MIL Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE/UDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27-07 | 96/98 | 10' to West-0' | P. | E. | 2' | 2' | 873 | #171 | VANH. | J.K. | 7-28 | SAL. | P. - | - | J.K. |
| 27-07 | 96/97/98 | 58' to " | P. | E. | 41' | 3' | 874 | #171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 94/96/97 | 96' to " | P. | E. | 3' | 2' | 875 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/96 | 137' to " | P. | E. | 2' | 2' | 876 | #133 | L.K. | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 94/96 | 137 to 149' | R. | E. | 12 | - | 877 | 133 | L.K. | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 50' to " | P. | E. | 3' | 2' | 878 | 133 | L.K. | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 60' to " | P. | E. | 2' | 2' | 879 | 133 | L.K. | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 50 to 60' to " | R. | E. | 10 | - | 880 | 133 | L.K. | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 116' to " | P. | E. | 2' | 2' | 881 | 133 | L.K. | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 95/96 | 128' to " | D/G-44 | E. | 5' | 2' | 882 | #171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 136' to " | P. | E. | 3' | 2' | 883 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 147' to " | P. | E. | 3' | 2' | 884 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 26-07 | 95/96 | 115' to 147' to " | R. | E. | 32' | - | 885 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 95/99/100 | 22' to " | P. | E. | 3' | 2' | 886 | #171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 27(15)-07 | 95/99 | 15' to " | P. | E. | 2' | 2' | 887 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 27 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: Gundle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27-07 | 95/100 | 34' to West. 0' | D/S-43 | E. | 5' | 2' | 888 | #171 | VANH | J.K. | 7-28 | SAL. | P. | - | J.K. |
| 27-07 | 95/100/101 | 87' to " | P. | E. | 3' | 2' | 889 | #171 | VANH | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/101 | 107' to " | P. | E. | 3' | 3' | 890 | #274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/101 | 119' to " | P. | E. | 2' | 2' | 891 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/101 | 107 to 119' to " | R. | E. | 12' | - | 892 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/101/103 | 147' to " | P. | E. | 2' | 2' | 893 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/103 | CAP. Full Seam | CAP. | E | 59' | 2' | 894 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/103/104 | 206' to " | P. | E. | 3' | 2' | 895 | 274 | AL | J.K. | 7-31 | SAL. | P. | - | J.K. |
| 27-07 | 95/104 | 225' to " | P. | E. | 4' | 4' | 896 | #133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/104 | 237' to " | P. | E. | 3' | 2' | 897 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/104 | 225 to 258 to " | R. | E. | 33' | - | 898 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/104/105 | 258 to " | P. | E. | 3' | 3' | 899 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 96/105/106 | 300' to " | P. | E. | 3' | 2' | 900 | #205 | CS | J.K. | " | " | P. | - | J.K. |
| 27-07 | 95/106 | CAP. Full Seam | CAP. | E | 50' | 2' | 901 | 205 | CS | J.K. | " | " | P. | - | J.K. |
| 27 (15) 07 | 95/107 | 350' to 379' to " | R. | E. | 29' | - | 902 | #171 | VANH | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 8 day 4 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: Gundle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 4-08 | 86/107 | CAP. Full Seam | Cap. | E. | 25' | 2' | 903 | G.205 | A.L. | J.K. | 4-11 | SAL. | P. | - | J.K. |
| 4-08 | 86/109 | 418' to West 0' | D/S-45 | E. | 5' | 2' | 904 | G.205 | A.L. | J.K. | " | " | P. | - | J.K. |
| 4-08 | 86/109 | CAP. Full Seam | Cap. | E | 26' | 2' | 905 | G.-205 | A.L. | J.K. | " | " | P. | - | J.K. |
| 27-07 | 100/102 | 23' to " | P. | E. | 2' | 2' | 906 | #274 | AL | J.K. | 7-31 | SAL. | P. | - | J.K. |
| 27-07 | 100-101 102 | 44' to " | P. | E. | 3' | 2' | 907 | 274 | AL. | J.K. | " | " | P. | - | J.K. |
| 27-07 | 101-102 103 | 55' to " | P. | E. | 2' | 2' | 908 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 101/103 | 98' to " | P. | E. | 3' | 2' | 909 | #274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 101/103 | 110' to " | P. | E. | 2' | 2' | 910 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 101/103 | 98' to 110' to" | R. | E. | 12' | - | 911 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 101/103 | 110' to 147' to " | R. | E. | 37' | - | 912 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 01-08 | 103/104 | 7' to " | D/S-47B | E. | 5' | 2' | 913 | # 133 | KD | J.K. | 4-11 | SAL. | P. | - | J.K. |
| 28-07 | 103/104 | 28' to " | D/S-47 | E. | 5' | 2' | 914 | #133 | KO | J.K. | 7-31 | SAL. | P. | - | J.K. |
| 01-08 | 103/104 | 47' to " | D/S-47A | E. | 5' | 2' | 915 | 133 | KD | J.K. | 4-11 | SAL | P. | - | J.K. |
| 01-08 | 103/104 | 7' to 47' to " | CAP. | E. | 40' | 2' | 916 | 133 | KD | J.K. | 4-11 | SAL. | P. | - | J.K. |
| 27-07 | 103/104 | 100' to " | P. | E. | 2' | 2' | 917 | #274 | AL | J.K. | 7-31 | SAL. | P. | - | J.K. |

(15)

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 27 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR | | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | CODE (1) | TYPE (2) | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27-07 | 103/104 | 112' to West. - 0' | P. | E. | 2' | 2' | 918 | #274 | AL | J.K. | 7-31 | SAL. | P. | - | J.K. |
| 27-07 | 103/104 | 100' to 112' to " | R. | E. | 12' | - | 919 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 102' to " | P. | E. | 5' | 2' | 920 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 114' to " | P. | E. | 3' | 2' | 921 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 114' to 102' to " | R. | E. | 12' | - | 922 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 200' to " | P. | E. | 1' | 1' | 923 | #133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 218' to " | P. | E. | 2' | 1' | 924 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 226' to " | P. | E. | 2' | 2' | 925 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 237' to " | P. | E. | 3' | 2' | 926 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 104/105 | 225' to 237' to " | R. | E. | 12' | - | 927 | 133 | LK | J.K. | " | " | P. | - | J.K. |
| 27-07 | 105/106 | 15' to " | P. | E. | 2' | 2' | 928 | #274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 105/106 | 105' to " | P. | E. | 3' | 3' | 929 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 105/106 | 117' to " | P. | E. | 3' | 2' | 930 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 | 105/106 | 105' to 117' to " | R. | E. | 12' | - | 931 | 274 | AL | J.K. | " | " | P. | - | J.K. |
| 27-07 (15) | 105/106 | 221' to " | P. | E. | 2' | 2' | 932 | #205 | CS | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

# REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

DATE: 27 day 07 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27-07 | 105/106 | 233' to West - 0' | P. | E | 2' | 2' | 933 | #205 | CS | J.K. | 7-31 | SAL | P. - | - | J.K. |
| 27-07 | 105/106 | 221' to 233' to " | R. | E | 14' | - | 934 | 205 | CS | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 105/106 | 260' to " | P. | E | 2' | 2' | 935 | 205 | CS | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106-107 108 | 53' to " | P. | E. | 3' | 3' | 936 | #274 | AL | J.K. | 8-2 | SAL | P. - | - | J.K. |
| 27-07 | 106/107 | 103' to " | P. | E. | 2' | 2' | 937 | #274 | AL | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106/107 | 115' to " | P. | E. | 2' | 2' | 938 | 274 | AL | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106/107 | 103' to 115' to " | R. | E. | 12' | - | 939 | 274 | AL | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106/107 | 221' to " | P. | E. | 3' | 2' | 940 | #205 | KO | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106/107 | 235' to " | P. | E. | 2' | 2' | 941 | 205 | KO | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106/107 | 221' to 235' to " | R. | E. | 14' | - | 942 | 205 | KO | J.K. | " | " | P. - | - | J.K. |
| 28-07 | 106/107 | 243' to " | DS-46 | E. | 5' | 2' | 943 | #133 | KO | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 106/107 | 260' to " | P. | E. | 2' | 1' | 944 | #205 | KO | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 107-108 109 | 62' to " | P. | E. | 4' | 3' | 945 | | | | " | " | P. - | - | J.K. |
| 27-07 | 107/109 | 108' to " | P. | E. | 3' | 2' | 946 | #274 | AL | J.K. | " | " | P. - | - | J.K. |
| 27-07 | 107/109 | 120' to " | P. | E. | 3' | 2' | 947 | 274 | AL | J.K. | " | " | P. - | - | J.K. |

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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP.

DATE: 27 day 07 month 1995 year

CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 27-07 | 107/109 | 108' to 120' to " | R. | E. | 12' | - | 948 | #274 | AL | J.K. | 8-2 | SAL. | P - | - | J.K. |
| 27-07 | 107/109 | 120' to 224' to " | CAP. | E. | 104' | 2' | 949 | 274 | APL.I | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 224' to west-0' | P. | E. | 2' | 2' | 950 | #205 | KO | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 236' to " | P. | E. | 3' | 2' | 951 | 205 | KO | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 224' to 236' to " | R. | E. | 12' | - | 952 | 205 | KO | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 303' to " | P. | E. | 3' | 3' | 953 | #205 | CS | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 315' to " | P. | E. | 4' | 4' | 954 | 205 | CS | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 303' to 315' to " | R. | E. | 12' | - | 955 | 205 | CS | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 340' to " | P. | E. | 2' | 1' | 956 | 205 | CS | J.K. | " | " | P - | - | J.K. |
| 29-07 | 110/111 | 468' to " | D/S-48 | E. | 5' | 2' | 957 | 205 | CHRIS | J.K. | " | " | P - | - | J.K. |
| 27-07 | 107/109 | 236' to 297' to " | CAP. | E. | 61' | 2' | 958 | 205 | CS | J.K. | " | " | P - | - | J.K. |
| 02-08 | 107/109 | 297' to " | D/S-45B | E. | 5' | 2' | 959 | 205 | AL | J.K. | 8-4 | SAL. | P - | - | J.K. |
| 31-07 | 109/115 | 21' to " | D/S-52 | E. | 5' | 2' | 960 | #205 | AL | J.K. | " | " | P - | - | J.K. |
| 29-07 | 109/115 | 107' to " | P. | E. | 3' | 2' | 961 | #274 | AL | J.K. | " | " | P - | - | J.K. |
| 29-07 | 109/115 | 119' to " | P. | E. | 2' | 2' | 962 | 274 | AL | J.K. | " | " | P - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM,
R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 29 day 07 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 29-07 | 109/115 | 107' to 119 | R | E | 12' | - | 963 | #274 | AL | J.K. | 8-2 | SAL | P | - | J.K. |
| 29-07 | 109/115 | 225' to West-0' | P | E | 3' | 2' | 964 | #171 | VS | J.K. | " | " | P | - | J.K. |
| 29-07 | 109/115 | 237' to " | P | E | 2' | 2' | 965 | 171 | VS | J.K. | " | " | P | - | J.K. |
| 29-07 | 109/115 | 225' to 237' to " | R | E | 12' | - | 966 | 171 | VS | J.K. | " | " | P | - | J.K. |
| 29-07 | 109/115 | 237 to 269 to " | CAP | E | 32' | 2' | 967 | 171 | VS | J.K. | " | " | P | - | J.K. |
| 01-08 | 109/115 | 269' to " | DS-45A | E | 5' | 2' | 968 | 171 | VS | J.K. | 8-4 | SAL | P | - | J.K. |
| 29-07 | 109/115 | 298' to " | P | E | 4' | 2' | 969 | #133 | KO | J.K. | 8-2 | SAL | P | - | J.K. |
| 29-07 | 109/115 | 310' to " | P | E | 3' | 2' | 970 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 29-07 | 109/115 | 298' to 310' to " | R | E | 12' | - | 971 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 29-07 | 115/116 | 96' to " | P | E | 4' | 3' | 972 | #274 | AL | J.K. | " | " | P | - | J.K. |
| 29-07 | pit 115 | 96' 47 N. | P | E | 2' | 2' | 973 | 274 | AL | J.K. | " | " | P | - | J.K. |
| 29-07 | pit 115 | Between Repair # 971 & 972 | G | E | 7' | - | 974 | 274 | AL | J.K. | " | " | P | - | J.K. |
| 29-07 | 115/116 | 103' to " | P | E | 3' | 2' | 975 | #274 | AL | J.K. | " | " | P | - | J.K. |
| 29-07 | 115/116 | 115' to " | P | E | 2' | 2' | 976 | 274 | AL | J.K. | " | " | P | - | J.K. |
| 29-07 | 115/116 | 103' to 115' to " | R | E | 12' | - | 977 | 274 | AL | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 31 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. LDPE Cap. — CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 31-07 | 115/116 | 128' to West - 0' | DS-51 | E | 5' | 2' | 978 | #205 | AL | J.K. | 8-4 | SAL | P - | - | J.K. |
| 29-07 | 115/116 | 221' to " | P | E | 2' | 2' | 979 | #171 | VS | J.K. | " | " | P - | - | J.K. |
| 29-07 | 115/116 | 233' to " | P | E | 2' | 2' | 980 | 171 | VS | J.K. | " | " | P - | - | J.K. |
| 29-07 | 115/116 | 221' to 233' to " | R | E | 12' | - | 981 | 171 | VS | J.K. | " | " | P - | - | J.K. |
| 29-07 | 115/116 | 291' to " | P | E | 5' | 3' | 982 | #133 | KO | J.K. | " | " | P - | - | J.K. |
| 29-07 | 115/116 | 303' to " | P | E | 3' | 3' | 983 | 133 | KO | J.K. | " | " | P - | - | J.K. |
| 29-07 | 115/116 | 291' to 303' to " | R | E | 12' | - | 984 | 133 | KO | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 25' to " | P | E | 2' | 1' | 985 | #274 | AL | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 100' to " | P | E | 3' | 3' | 986 | 274 | AL | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 112' to " | P | E | 3' | 3' | 987 | 274 | AL | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 100' to 112' to " | R | E | 12' | - | 988 | 274 | AL | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 220' to " | P | E | 2' | 2' | 989 | #171 | VS | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 232' to " | P | E | 2' | 2' | 990 | 171 | VS | J.K. | " | " | P - | - | J.K. |
| 29-07 | 116/117 | 220' to 232' to " | R | E | 12' | - | 991 | 171 | VS | J.K. | " | " | P - | - | J.K. |
| 31(15)07 | 116/117 | 253' to " | DS-50 | E | 5' | 2' | 992 | #205 | AL | J.K. | " | " | P - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 29 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR | | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | CODE (1) | TYPE (2) | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 29-07 | 116/117 | 281' to West-0' | P. | E. | 2' | 2' | 993 | # 133 | KO | J.K. | 8-4 | SAL | P / - | - | J.K. |
| 29-07 | 116/117 | 291' to " | P. | E. | 3' | 2' | 994 | 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 116/117 | 303' to " | P. | E. | 2' | 2' | 995 | 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 116/117 | 291' to 303' to " | R. | E. | 12' | — | 996 | 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 | P#-117 | 281 & 6'-South Between Repairs | P. | E. | 1' | 1' | 997 | 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 | P#-117 | 993 & 997. | G. | E. | 6' | — | 998 | 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 102' to " | P. | E. | 2' | 2' | 999 | #-274 | AL | J.K. | 8-7 | " | P / - | - | J.K. |
| 29-07 | 117/118 | 114' to " | P. | E. | 3' | 2' | 1000 | 274 | AL | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 102' to 114' to " | R. | E. | 12' | — | 1001 | 274 | AL | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 225' to " | P. | E. | 3' | 3' | 1002 | # 171 | VS | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 237' to " | P. | E. | 4' | 3' | 1003 | 171 | VS | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 225' to 237' to " | R. | E. | 12' | - | 1004 | 171 | VS | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 257' to " | P. | E. | 2' | 1' | 1005 | # 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 | 117/118 | 297' to " | P. | E. | 2' | 2' | 1006 | 133 | KO | J.K. | " | " | P / - | - | J.K. |
| 29-07 (15) | 117/118 | 309' to " | P. | E. | 2' | 2' | 1007 | 133 | KO | J.K. | " | " | P / - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 31 day 07 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 31-07 | 117/118 | 353' to West 0' | DIS-49 | E | 5' | 2' | 1008 | #133 | KO | J.K. | 8-7 | SAL | P | - | J.K. |
| 31-07 | 118/119 | 85' to " | P | E | 2' | 1' | 1009 | #133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 105' to " | P | E | 3' | 3' | 1010 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 117' to " | P | E | 4' | 2' | 1011 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 105' to 117' to " | R | E | 12' | - | 1012 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 118/119 | 152' to " | DIS-54 | E | 5' | 2' | 1013 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 236' to " | P | E | 3' | 2' | 1014 | #171 | VS | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 244' to " | P | E | 2' | 2' | 1015 | 171 | VS | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 236' to 244' to " | R | E | 8' | - | 1016 | 171 | VS | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 305' to " | P | E | 2' | 2' | 1017 | #133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 317' to " | P | E | 3' | 2' | 1018 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 306' to 317' to " | R | E | 12' | - | 1019 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 118/119 | 350' to " | P | E | 3' | 1' | 1020 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 31-07 | 119/122/123 | 29' to " | P | E | 3' | 2' | 1021 | #171 | VS | J.K. | " | " | P | - | J.K. |
| 01(15)-08 | 119/122 | 53' to " | DIS-53 | E | 5' | 2' | 1022 | 171 | VS | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 08 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

CONTRACTOR: GUNDLE/SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 08-8 | 119/122/124 | 85' to West-0' | P | E | 2' | 2' | 1023 | #274 | K.O | J.K. | 8-10 | SAL | P - | - | J.K. |
| 08-08 | 119/124 | 111' to " | P | E | 3' | 2' | 1024 | 274 | K.O | J.K. | " | " | P - | - | J.K. |
| 08-08 | 119/124 | 111' to 117' to " | R | E | 6' | - | 1025 | 274 | K.O | J.K. | " | " | P - | - | J.K. |
| 08-08 | 119-124/125 | 117' to " | P | E | 4' | 3' | 1026 | 274 | K.O | J.K. | " | " | P - | - | J.K. |
| 08-08 | 119/125 | 123' to " | P | E | 3' | 3' | 1027 | 274 | K.O | J.K. | " | " | P - | - | J.K. |
| 08-08 | 119/125 | 117' to 123' to " | R | E | 6' | - | 1028 | 274 | K.O | J.K. | " | " | P - | - | J.K. |
| 08-08 | 119-125/126 | 150' to " | P | E | 2' | 2' | 1029 | 274 | K.O | J.K. | " | " | P - | - | J.K. |
| 01-08 | 119-126/127 | 200' to " | P | E | 3' | 2' | 1030 | #205 | A.L | J.K. | 8-7 | SAL | P - | - | J.K. |
| 01-08 | 119/127 | 239' to " | P | E | 3' | 3' | 1031 | 205 | A.L | J.K. | " | " | P - | - | J.K. |
| 01-08 | 119/127 | 251' to " | P | E | 2' | 2' | 1032 | 205 | A.L | J.K. | " | " | P - | - | J.K. |
| 01-08 | 119/127 | 239' to 259' to " | R | E | 20' | - | 1033 | 205 | A.L | J.K. | " | " | P - | - | J.K. |
| 01-08 | 119-127/128 | 259' to " | P | E | 2' | 2' | 1034 | 205 | A.L | J.K. | " | " | P - | - | J.K. |
| 01-08 | 119-128/129 | 306' to " | P | E | 4' | 2' | 1035 | #133 | K.O | J.K. | " | " | P - | - | J.K. |
| 01-08 | 119/129 | 317' to " | P | E | 3' | 2' | 1036 | #133 | K.O | J.K. | " | " | P - | - | J.K. |
| 01(15)08 | 119/129 | 329' to " | P | E | 2' | 2' | 1037 | 133 | K.O | J.K. | " | " | P - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 01 day 08 month 1995 year

CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR | | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | code (1) | REPAIR TYPE (2) | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 01-08 | 119/129 | EXT. FULL SEAM | G | E | 58' | - | 1038 | #133 | KO | J.K. | 8-7 | SAK | P | - | J.K. |
| 01-08 | 128/129 | 10' to WEST -0' | P | E | 3' | 2' | 1039 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 128/129 | 22' to " | P | E | 3' | 3' | 1040 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 128/129 | 0' to 22' to " | G | E | 22' | - | 1041 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 128/129 | 22' to 32' to " | G | E | 10' | - | 1042 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 128-129 130 | 0' | P | E | 4' | 3' | 1043 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 128/129 | EXT. FULL SEAM | G | E | 15' | - | 1044 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 129/130 | EXT. FULL SEAM | G | E | 11' | - | 1045 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 127/128 | 58' to " | P | E | 2' | 2' | 1046 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 127/128 | 70' to " | P | E | 2' | 2' | 1047 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 127/128 | 58' to 70' to " | R | E | 12' | - | 1048 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 01-08 | 126/127 | 38' to " | P | E | 2' | 2' | 1049 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 126/127 | 50' to " | P | E | 2' | 2' | 1050 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 126/127 | 38' to 50' to " | R | E | 12' | - | 1051 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 08-08 (15) | 126/127 | 125' to " | DS-57 | E | 5' | 2' | 1052 | 205 | AL | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 01 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE/JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID. | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 01-08 | 125/126 | 85' to West. 0' | P. | E. | 3' | 3' | 1053 | #205 | AL | J.K. | 8-7 | SAL | P. - | - | J.K. |
| 01-08 | 125/126 | 97' to " | P. | E. | 3' | 2' | 1054 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 126/126 | 85' to 97' to " | R. | E. | 12' | - | 1055 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/124 | 25' to " | P. | E. | 2' | 2' | 1056 | #274 | KC | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/124 | 25' to 31' to " | R. | E. | 6' | - | 1057 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122-124 | 31' to " | P. | E. | 4' | 3' | 1058 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/125 | 37' to " | P. | E. | 2' | 2' | 1059 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/125 | 31' to 37' to " | R. | E. | 6' | - | 1060 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/125 | 150' to " | P. | E. | 2' | 2' | 1061 | #171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/125 | 162' to " | P. | E. | 2' | 2' | 1062 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 01-08 | 122/125 | 150' to 162' to " | R. | E. | 12' | - | 1063 | 171 | VANH | J.K. | " | " | P. - | - | J.K. |
| 31-07 | 119-122 | 26' to " | P. | E. | 6' | 3' | 1064 | 171 | VANH | J.K. | 8-4 | SAL | P. - | - | J.K. |
| 31-07 | 121/122 | 109' to " | P. | E. | 2' | 2' | 1065 | 171 | V.S. | J.K. | " | " | P. - | - | J.K. |
| 31-07 | 121/122 | 121' to " | P. | E. | 4' | 2' | 1066 | 171 | VS. | J.K. | " | " | P. - | - | J.K. |
| 31(15) 07 | 121/122 | 109' to 121' to " | R. | E. | 12' | - | 1067 | 171 | VS | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 02 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR | | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | CODE (1) | TYPE (2) | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 02-08 | 121/122 | 135' to West - 0' | D/S-56A | E | 5' | 2' | 1068 | #171 | VANH | J.K. | 8-7 | SAL | P | - | J.K. |
| 02-08 | 121/122 | 121' to 135' to " | CAP | E | 14' | 2' | 1069 | 171 | VANH | J.K. | " | " | P | - | J.K. |
| 02-08 | 121/122 | 204' to " | D/S-55 | E | 5' | 2' | 1070 | 171 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 121/122 | 208' to " | P | E | 2' | 2' | 1071 | #171 | VANH | J.K. | 8-4 | SAL | P | - | J.K. |
| 31-07 | 121/122 | 220' to " | P | E | 2' | 2' | 1072 | 171 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 121/122 | 208' to 220' to " | R | E | 12' | - | 1073 | 171 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 121/122 | 262' to " | P | E | 2' | 1' | 1074 | 171 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120-121 123 | 46' to " | P | E | 3' | 3' | 1075 | #274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 87' to " | P | E | 2' | 1' | 1076 | 274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 99' to " | P | E | 2' | 2' | 1077 | 274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 87' to 99' to " | R | E | 12' | - | 1078 | 274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 109' to " | P | E | 3' | 2' | 1079 | 274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 112' to " | P | E | 3' | 2' | 1080 | 274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 129' to " | P | E | 2' | 2' | 1081 | 274 | VANH | J.K. | " | " | P | - | J.K. |
| 31-07 (TS) | 120/121 | 109' to 129' to " | R | E | 20' | - | 1082 | 274 | VANH | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 02 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE . JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 02-08 | 120/121 | 165' to West-0' | D/S-68 | E | 5' | 2' | 1083 | #133 | KL | J.K. | 8-7 | SAL | P | - | J.K. |
| 02-08 | 120/121 | 129' to 238' to " | CAP | E | 109' | 2' | 1084 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 32-07 | 120/121 | 238' to " | P | E | 2' | 2' | 1085 | #205 | AL | J.K. | 8-2 | SAL | P | - | J.K. |
| 31-07 | 120/121 | 250' to " | P | E | 3' | 2' | 1086 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 31-07 | 120/121 | 238' to 250' to " | R | E | 12' | - | 1087 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 120/121 | 304' to " | D/S-56 | E | 5' | 2' | 1088 | #171 | VANH | J.K. | 8-7 | SAL | P | - | J.K. |
| 01-08 | 120/121 | 250 to 318' END " | CAP | E | 68' | 2' | 1089 | 171 | VANH | J.K. | " | " | P | - | J.K. |
| 01-08 | 120/131 | 33' to " | P | E | 2' | 2' | 1090 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 02-08 | 120/131 | 0' to 33' to " | CAP | E | 33' | 2' | 1091 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 02-08 | 120/131 | 50' to " | D/S-58 | E | 5' | 2' | 1092 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 120/131 | 102' to " | P | E | 2' | 1' | 1093 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 120/131 | 115' to " | P | E | 3' | 2' | 1094 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 120/131 | 127' to " | P | E | 2' | 2' | 1095 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 01-08 | 120/131 | 115 to 127' to " | R | E | 12' | - | 1096 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 9(15)-08 | 120/131 | 242' to " | P | E | 3' | 3' | 1097 | #171 | SH | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 01 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 01-08 | 120/131 | 254' to West-0' | P | E | 2' | 2' | 1098 | #171 | SH | J.K. | 8-7 | SAL | P | - | J.K. |
| 01-08 | 120/131 | 242' to 254' to " | R | E | 12' | - | 1099 | 171 | SH | J.K. | " | " | P | - | J.K. |
| 03-08 | 131/132 | 116' to " | P | E | 3' | 2' | 1100 | #133 | KO | J.K. | " | " | P | - | J.K. |
| 03-08 | 131/132 | 128' to " | P | E | 2' | 2' | 1101 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 03-08 | 131/132 | 116' to 128' to " | R | E | 12' | - | 1102 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 02-08 | 131/132 | 246' to " | P | E | 4' | 3' | 1103 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 02-08 | 131/132 | 258' to " | P | E | 3' | 3' | 1104 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 02-08 | 131/132 | 246' to 258' to " | R | E | 12' | - | 1105 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 08-08 | 131/132 | 295' to " West Toe Area | D/S-69 | E | 6' | 2' | 1106 | 205 | AL | J.K. | 8-10 | SAL | P | - | J.K. |
| 03-08 | P# 134/135 | ALL EXT. WELDED. | G | E | 60' | - | 1107 | #274 | KC | J.K. | 8-4 | " | P | - | J.K. |
| 03-08 | 132-139 148 | 28' to " | P | E | 3' | 3' | 1108 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 132/139 | 53' to " | D/S-65 | E | 5' | 2' | 1109 | #205 | AL | J.K. | 8-7 | SAL | P | - | J.K. |
| 03-08 | 132-133 139 | 77' to " | P | E | 3' | 2' | 1110 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/133 | 125' to " | P | E | 3' | 3' | 1111 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/133 | 137' to " | P | E | 3' | 2' | 1112 | 205 | AL | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 03 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 03-08 | 132/133 | 126'to144'to" | R | E | 19' | - | 1113 | #205 | AL | J.K. | 8-7 | SAL | P | - | J.K. |
| 03-08 | 132/133 136 | 144'to West-0' | P | E | 3' | 2' | 1114 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132-136 137 | 196'to." | P | E | 2' | 2' | 1115 | #133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/136 | 196'to 254'to" | R | E | 58' | - | 1116 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/136 | 245'to " | P | E | 2' | 2' | 1117 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132-137 138 | 254'to." | P | E | 2' | 2' | 1118 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/138 | 254'to." | P | E | 2' | 2' | 1119 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/138 | 259'to." | P | E | 3' | 3' | 1120 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/138 | 271'to." | P | E | 4' | 3' | 1121 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 132/138 | 254'to271'to" | R | E | 17' | - | 1122 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 137/138 | 259'to." | P | E | 3' | 3' | 1123 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 137/138 | 271'to." | P | E | 4' | 3' | 1124 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 137/138 | 259'to271'to" | R | E | 12' | - | 1125 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 | 136/137 | 67'to." | P | E | 2' | 2' | 1126 | 133 | KL | J.K. | " | " | P | - | J.K. |
| 03-08 (15) | 136/137 | 79'to." | P | E | 3' | 2' | 1127 | 133 | KL | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 03 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 03-08 | 136/137 | 0'to 79' to West-0' | R | E | 79' | - | 1128 | #133 | KL | J.K. | 8-7 | SAL | P | - | J.K. |
| 03-08 | 133/136 | 78' to " | DS-60 | E | 5' | 2' | 1129 | 133 | KO | J.K. | " | " | P | - | J.K. |
| 02-08 | 133/136 | 116' to " | P | E | 2' | 2' | 1130 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 02-08 | 133/136 | 128' to " | P | E | 2' | 2' | 1131 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 02-08 | 133/136 | 116' to 128' to " | R | E | 12' | - | 1132 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 133/139 | 53' to " | P | E | 3' | 3' | 1133 | #171 | S.H | J.K. | " | " | P | - | J.K. |
| 03-08 | 133/139 | 65' to " | P | E | 4' | 2' | 1134 | 171 | SH | J.K. | " | " | P | - | J.K. |
| 03-08 | 133/139 | 53' to 65' to " | R | E | 12' | - | 1135 | 171 | SH | J.K. | " | " | P | - | J.K. |
| 03-08 | 133/139 | 180' to " | P | E | 3' | 2' | 1136 | #171 | SH | J.K. | " | " | P | - | J.K. |
| 03-08 | 133/139 | 192' to " | P | E | 2' | 2' | 1137 | 171 | SH | J.K. | " | " | P | - | J.K. |
| 03-08 | 133/139 | 180' to 192' to " | R | E | 12' | - | 1138 | 171 | SH | J.K. | " | " | P | - | J.K. |
| 03-08 | 139/140 | 95' to " | P | E | 2' | 2' | 1139 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 139/140 | 107' to " | P | E | 3' | 2' | 1140 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 139/140 | 95' to 107' to " | R | E | 12' | - | 1141 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 139/140 | 219' to " | P | E | 2' | 2' | 1142 | 205 | AL | J.K. | " | " | P | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

DATE: 03 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 03-08 | 139/140 | 231' to West-0' | P | E | 2' | 2' | 1143 | #205 | AL | J.K. | 8-7 | SAL | P | - | J.K. |
| 03-08 | 139/140 | 219' to 231' to " | R | E | 12' | - | 1144 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 140/141 | 125' to " | P | E | 3' | 2' | 1145 | #274 | KC | J.K. | 8-10 | SAL | P | - | J.K. |
| 03-08 | 140/141 | 137 to " | P | E | 2' | 2' | 1146 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | 140/141 | 125' to 137' to " | R | E | 12' | - | 1147 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 140/141 | 196' to " | 01/5-64 | E | 5' | 2' | 1148 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 140/141 | 246' to " | P | E | 3' | 3' | 1149 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 140/141 | 258' to " | P | E | 2' | 2' | 1150 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 140/141 | 246' to 258' to " | R | E | 12' | - | 1151 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 141/142 | 129' to " | P | E | 3' | 2' | 1152 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | 141/142 | 141' to " | P | E | 2' | 2' | 1153 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | 141/142 | 151' to " | P | E | 2' | 1' | 1154 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | 141/142 | 129' to 151' to " | R | E | 22' | - | 1155 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | 141/142 | 246' to " | P | E | 2' | 2' | 1156 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | 141/142 | 249' to " | P | E | 2' | 2' | 1157 | 205 | AL | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM,
R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 03 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 03-08 | 141/142 | 261' to West - 0' | P | E | 2' | 2' | 1158 | #205 | AL | J.K. | 8-10 | SAL | P / - | - | J.K. |
| 03-08 | 141/142 | 246' to 261' to " | R | E | 15' | - | 1159 | #205 | AL | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 60' to " | P | E | 2' | 1' | 1160 | #274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 85' to " | P | E | 2' | 1' | 1161 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 101' to " | P | E | 2' | 2' | 1162 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 110' to " | P | E | 3' | 2' | 1163 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 101' to 110' to " | CAP | E | 9' | 2' | 1164 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 125' to " | P | E | 2' | 2' | 1165 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 131' to " | P | E | 3' | 3' | 1166 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 143' to " | P | E | 2' | 2' | 1167 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 125' to 143' to " | R | E | 18' | - | 1168 | 274 | KC | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 178' to " | P | E | 2' | 2' | 1169 | #205 | AL | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 205' to " | P | E | 2' | 1' | 1170 | 205 | AL | J.K. | " | " | P / - | - | J.K. |
| 04-08 | 142/143 | 225' to " | P | E | 2' | 1' | 1171 | 205 | AL | J.K. | " | " | P / - | - | J.K. |
| 04-(15)-08 | 142/143 | 249' to " | P | E | 3' | 2' | 1172 | 205 | AL | J.K. | " | " | P / - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM,
R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP.

DATE: 04 day 08 month 1995 year

CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 04-08 | 142/143 | 261' to West. - 0' | P | E | 2' | 2' | 1173 | #205 | AL | J.K. | 8-10 | SAL | P | - | J.K. |
| 04-08 | 142/143 | 249' to 261' to " | R | E | 12' | - | 1174 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 141/142 | 286' to " | DS-63 | E | 5' | 2' | 1175 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 03-08 | P# 144-145 & 146 | ADD ON PANELS ALL EXT. WELDED. | G | E | 223' | - | 1176 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | 94/144 | 6's. OF Seam 93/94 | DS-62 | E | 5' | 2' | 1177 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 03-08 | CAP/86 | 382' to W. - 0' | DS-61 | E | 5' | 2' | 1178 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 143/147 | 131' to West. - 0' | P | E | 2' | 2' | 1179 | G 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 143/147 | 143' to " | P | E | 2' | 2' | 1180 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 143/147 | 131' to 143' to " | R | E | 12' | - | 1181 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 143/147 | 250' to " | P | E | 3' | 2' | 1182 | G205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 143/147 | 262' to " | P | E | 2' | 2' | 1183 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 143/147 | 250' to 262' to " | R | E | 12' | - | 1184 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 07-08 | 143/147 | 269' to " | DS-66 | E | 5' | 2' | 1186 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 07-08 | 147-148 SKIRT. | 2' to " | P | E | 3' | 3' | 1186 | 133 | KC | J.K. | " | " | P | - | J.K. |
| 04-(15)-08 | 147/148 | 87' to " | P | E | 2' | 1' | 1187 | #274 | KC | J.K. | 8-11 | SAL | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.

(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION

(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

* GO TO PAGE #39A.

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 04 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL. TEX. L.D.P.E. CAP. CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 04-08 | 147/148 | 129' to West 0' | P | E | 3' | 2' | 1221 | #274 | KC | J.K. | 8-11 | SAL | P | - | J.K. |
| 04-08 | 147/148 | 141' to " | P | E | 4' | 2' | 1222 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 147/148 | 129' to 141' to " | R | E | 12' | - | 1223 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 147/148 | 250' to " | P | E | 3' | 3' | 1224 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 147/148 | 262' to " | P | E | 2' | 2' | 1225 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 147/148 | 250 to 262 to " | R | E | 12' | - | 1226 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 07-08 | 148-149 SKIRT | 4' to " | P | E | 2' | 2' | 1227 | #133 | KO | J.K. | " | " | P | - | J.K. |
| 04-08 | 148/149 | 127' to " | P | E | 3' | 2' | 1228 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 148/149 | 139' to " | P | E | 2' | 2' | 1229 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 148/149 | 127' to 139' to " | R | E | 12' | - | 1230 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 07-08 | 148/149 | 194' to " | DS-67 | E | 5' | 2' | 1231 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 148/149 | 253' to " | P | E | 2' | 2' | 1232 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 148/149 | 265' to " | P | E | 2' | 2' | 1233 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 148/149 | 253' to 265' to " | R | E | 12' | - | 1234 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04 (15) 08 | 149/150 | 49' to " | P | E | 3' | 2' | 1235 | #274 | KC | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM,
R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GO TO PAGE 46A. FOR REPAIR # 1236

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 04 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 Mil. Tex. L.D.P.E. CAP CONTRACTOR: GUNDLE. JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | ft. | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 04-08 | 149/150 | 0'+49' to " | CAP | E | 49' | 2" | 1248 | G 274 | KC | J.K. | 8-11 | SAL | P | - | J.K. |
| 04-08 | 149/150 | 60' to West-0' | P | E | 2' | 1' | 1249 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 83' to " | P | E | 2' | 2' | 1250 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 100 to " | P | E | 2' | 1' | 1251 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 136 to " | P | E | 3' | 3' | 1252 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 148 to " | P | E | 3' | 2' | 1253 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 136 to 148 to " | R | E | 12' | - | 1254 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 253' to " | P | E | 2' | 2' | 1255 | #205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 265' to " | P | E | 4' | 3' | 1256 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 149/150 | 253' to 265' to " | R | E | 12' | - | 1257 | 205 | AL | J.K. | " | " | P | - | J.K. |
| 04-08 | 150/151 | 12' to " | P | E | 6' | 3' | 1258 | G 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 150/151 | 30' to " | P | E | 2' | 2' | 1259 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 150/151 | 46' to " | DS-68 | E | 5' | 2' | 1260 | 274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 | 150/151 | 75' to " | P | E | 2' | 1' | 1261 | #274 | KC | J.K. | " | " | P | - | J.K. |
| 04-08 (15) | 150/151 | 120' to " | P | E | 2' | 2' | 1262 | 274 | KC | J.K. | " | " | P | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 04 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 04-08 | 150/151 | 141 to west. -0' | P. | E. | 3' | 2' | 1263 | #274 | KC | J.K. | 8-10 | SAL. | P. / - | - | J.K. |
| 04-08 | 150/151 | 153' to " | P. | E. | 2' | 2' | 1264 | 274 | KC | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150/151 | 141 to 163' to " | R. | E. | 22' | - | 1265 | 274 | KC | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150-151 152 | 163' to " | P. | E. | 3' | 3' | 1266 | 274 | KC | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150/152 | 187' to " | P. | E. | 2' | 1' | 1267 | #133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150/152 | 212' to " | P. | E. | 3' | 2' | 1268 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150/152 | 254' to " | P. | E. | 3' | 2' | 1269 | #133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150/152 | 266' to " | P. | E. | 2' | 2' | 1270 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 150/152 | 254' to 266' to " | R. | E. | 12' | - | 1271 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 151/152 | 60' to " | P. | E. | 2' | 2' | 1272 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 151/152 | 91' to " | P. | E. | 2' | 2' | 1273 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 151/152 | 103' to " | P. | E. | 2' | 2' | 1274 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 151/152 | 91' to 103' to " | R. | E. | 12' | - | 1275 | 133 | AL | J.K. | " | " | P. / - | - | J.K. |
| 04-08 | 151/153 | 85' to " | P. | E. | 3' | 2' | 1276 | #274 | KC | J.K. | " | " | P. / - | - | J.K. |
| 04-08 (15) | 151/153 | 134' to " | P. | E. | 2' | 2' | 1277 | 274 | KC | J.K. | " | " | P. / - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 04 day 08 month 1995 year

CONTRACTOR: GUNDLE / SDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 04-08 | 151/153 | 148 to West. - 0' | P. | E. | 3' | 3' | 1278 | #274 | KC | J.K. | 8-10 | SAL | P. - | - | J.K. |
| 04-08 | 151/153 | 134 to 146' to " | R. | E. | 12' | - | 1279 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 04-08 | 151/153 | 153' to " | P. | E. | 2' | 1' | 1280 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 04-08 | 151/153 | 178' to " | P. | E. | 4' | 2' | 1281 | 274 | KC | J.K. | " | " | P. - | - | J.K. |
| 04-08 | 151/153 | 212' to " | P. | E. | 2' | 2' | 1282 | #205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 04-08 | 151/153 | 244 to " | P. | E. | 3' | 2' | 1283 | #205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 04-08 | 151/153 | 256' to " | P. | E. | 2' | 2' | 1284 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 04-08 | 151/153 | 244' to 256' to " | R. | E. | 12' | - | 1285 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 153/154 | 139' to " | P. | E. | 2' | 2' | 1286 | #133 | KC | J.K. | 8-14 | SAL | P. - | - | J.K. |
| 08-08 | 153/154 | 151' to " | P. | E. | 4' | 3' | 1287 | 133 | KC | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 153/154 | 139' to 151' to " | R. | E. | 12' | - | 1288 | 133 | KC | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 153/154 | 245' to " | P. | E. | 2' | 2' | 1289 | #205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 153/154 | 257' to " | P. | E. | 3' | 2' | 1290 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 153/154 | 245 to 267' to " | R. | E. | 12' | - | 1291 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 153/154 | 278' to " | O/S-69 | E. | 5' | 2' | 1292 | 205 | AL | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 08 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. Tex. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDR

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 08-08 | 154/155 | 131' to West. -0' | P. | E. | 3' | 2' | 1293 | #133 | KC | J.K. | 8-14 | SAL | P. / - | - | J.K. |
| 08-08 | 154/155 | 143' to " | P. | E. | 2' | 2' | 1294 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 155' to " | P. | E. | 3' | 3' | 1295 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 131' to 155' to " | R. | E. | 24' | - | 1296 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 180' to " | P. | E. | 2' | 2' | 1297 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 200' to " | P. | E. | 2' | 1' | 1298 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 248' to " | P. | E. | 2' | 2' | 1299 | #205 | AL | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 260' to " | P. | E. | 3' | 2' | 1300 | 205 | AL | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 154/155 | 248' to 260' to " | R. | E. | 12' | - | 1301 | 205 | AL | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 155/156 | 20' to " | P. | E. | 2' | 1' | 1302 | #133 | KC | J.K. | 8-15 | SAL | P. / - | - | J.K. |
| 08-08 | 155/156 | 60' to " | P. | E. | 4' | 2' | 1303 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 155/156 | 90' to " | P. | E. | 2' | 2' | 1304 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 155/156 | 130' to " | P. | E. | 3' | 3' | 1305 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 | 155/156 | 142' to " | P. | E. | 2' | 2' | 1306 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |
| 08-08 (155) | 155/156 | 130 to 142' to " | R. | E. | 12' | - | 1307 | 133 | KC | J.K. | " | " | P. / - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 08 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 08-08 | 155/156 | 196' to West.-0' | D/S-70 | E. | 5' | 2' | 1308 | #133 | KC | J.K. | 8-15 | SAL. | P. - | - | J.K. |
| 08-08 | 155/156 | 243' to " | P. | E. | 2' | 2' | 1309 | #205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 155/156 | 256' to " | P. | E. | 3' | 3' | 1310 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 155/156 | 243' to 256' to " | R. | E. | 12' | - | 1311 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/156 | 275' to " | P. | E. | 2' | 1' | 1312 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/157 | 140' to " | P. | E. | 2' | 2' | 1313 | #133 | KC | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/157 | 152' to " | P. | E. | 2' | 2' | 1314 | 133 | KC | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/157 | 140' to 152' to " | R. | E. | 12' | - | 1315 | 133 | KC | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/157 | 245' to " | P. | E. | 2' | 2' | 1316 | #205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/157 | 257' to " | P. | E. | 4' | 3' | 1317 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 156/157 | 245' to 257' to " | R. | E. | 12' | - | 1318 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 12' to " | P. | E. | 2' | 2' | 1319 | #171 | KCO | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 57' to " | D/S-71 | E. | 5' | 2' | 1320 | 171 | KCO | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 75' to " | P. | E. | 2' | 1' | 1321 | #171 | KCO | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 130' to " | P. | E. | 3' | 2' | 1322 | 171 | KCO | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 08 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 08-08 | 157/158 | 143' to West -0' | P. | E. | 3' | 2' | 1323 | #171 | Kco | J.K. | 8-15 | SAL | P. - | - | J.K. |
| 08-08 | 157/158 | 155' to " | P. | E. | 3' | 3' | 1324 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 143' to 155' to " | R. | E. | 12' | - | 1325 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 240' to " | P. | E. | 2' | 2' | 1326 | #205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 252' to " | P. | E. | 3' | 2' | 1327 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 240' to 252' to " | R. | E. | 12' | - | 1328 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 157/158 | 290' to " | P. | E. | 2' | 1' | 1329 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 32' to " | P. | E. | 2' | 2' | 1330 | #171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 50' to " | P. | E. | 2' | 1' | 1331 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 78' to " | P. | E. | 2' | 1' | 1332 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 121' to " | P. | E. | 2' | 2' | 1333 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 143' to " | P. | E. | 3' | 2' | 1334 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 156' to " | P. | E. | 3' | 3' | 1335 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 158/159 | 121 to 156' to " | R. | E. | 35' | - | 1336 | 171 | Kco | J.K. | " | " | P. - | - | J.K. |
| 08-(15)-08 | 158/159 | 222' to " | DS-72 | E. | 5' | 2' | 1337 | #205 | AL | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 08 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 08-08 | 158/159 | 240' to West. - 0' | P. | E. | 3' | 3' | 1338 | #205 | AL | J.K. | 8-15 | SAL. | P. | - | J.K. |
| 08-08 | 158/159 | 252' to " | P. | E. | 2' | 2' | 1339 | 205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 158/159 | 240' to 252' to " | R. | E. | 12' | - | 1340 | 205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159-160 SKIRT. | 4' to " | P. | E. | 2' | 2' | 1341 | 205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 113' to " | P. | E. | 2' | 2' | 1342 | # 171 | Keo | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 119' to " | P. | E. | 4' | 2' | 1343 | 171 | Keo | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 131' to " | P. | E. | 3' | 2' | 1344 | 171 | Keo | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 113' to 131' to " | R. | E. | 18' | - | 1345 | 171 | Keo | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 240' to " | P. | E. | 2' | 2' | 1346 | #205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 252' to " | P. | E. | 3' | 2' | 1347 | 205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 159/160 | 240' to 252' to " | R. | E. | 12' | - | 1348 | 205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 160-161 SKIRT. | 7' to " | P. | E. | 2' | 2' | 1349 | 205 | AL | J.K. | " | " | P. | - | J.K. |
| 08-08 | 160/161 | 121' to " | P. | E. | 3' | 2' | 1350 | #171 | Keo | J.K. | " | " | P. | - | J.K. |
| 08-08 | 160/161 | 133' to " | P. | E. | 2' | 2' | 1351 | # 171 | Keo | J.K. | " | " | P. | - | J.K. |
| D8-08 (15) | 160/161 | 121' to 133' to " | R. | E. | 12' | - | 1352 | 171 | Keo | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 08 day 08 month 1995 year

CONTRACTOR: GUNDLE JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 08-08 | 160/161 | 144' to West. -0' | 0/S-73 | E. | 5' | 2' | 1353 | #171 | Keo | J.K. | 8-15 | SAL. | P. - | - | J.K. |
| 08-08 | 160/161 | 239' to " | P. | E. | 2' | 2' | 1354 | #205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 160/161 | 251' to " | P. | E. | 2' | 2' | 1355 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 08-08 | 160/161 | 239' to 251' to " | R. | E. | 12' | - | 1356 | 205 | AL | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 21' to " | 0/S-74 | E. | 5' | 2' | 1357 | #171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 121' to " | P. | E. | 3' | 2' | 1358 | 171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 133' to " | P. | E. | 3' | 3' | 1359 | 171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 121' to 133' to " | R. | E. | 12' | - | 1360 | #171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 237' to " | P. | E. | 4' | 3' | 1361 | 171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 249' to " | P. | E. | 4' | 2' | 1362 | 171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 09-08 | 161/162 | 237' to 249' to " | R. | E. | 12' | - | 1363 | 171 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 162/163 | 73' to " | P. | E. | 2' | 2' | 1364 | # 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 162/163 | 119' to " | P. | E. | 2' | 2' | 1365 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 162/163 | 131' to " | P. | E. | 2' | 2' | 1366 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 162/163 | 119' to 131' to " | R. | E. | 12' | - | 1367 | 3 | KC | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 10 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-08 | 162/163 | 234' to west. - 0' | P. | E. | 2' | 2' | 1368 | #205 | VANH | J.K. | 8-15 | SAL | P. | - | J.K. |
| 10-08 | 162/163 | 246' to " | P. | E. | 3' | 2' | 1369 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 162/163 | 294' to " | D/S-79 | E. | 5' | 2' | 1370 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 162/163 | 234' to 246' to " | R. | E. | 12' | - | 1371 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 65' to " | P. | E. | 2' | 1' | 1372 | #3 | KC | J.K. | 8-16 | SAL | P. | - | J.K. |
| 10-08 | 163/164 | 78' to " | P. | E. | 2' | 1' | 1373 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 100' to " | P. | E. | 2' | 2' | 1374 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 118' to " | P. | E. | 3' | 2' | 1375 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 130' to " | P. | E. | 3' | 3' | 1376 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 100' to 130' to " | R. | E. | 30' | - | 1377 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 230' to " | P. | E. | 4' | 2' | 1378 | #205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 242' to " | P. | E. | 2' | 2' | 1379 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 230' to 242' to " | R. | E. | 12' | - | 1380 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 163/164 | 285' to " | P. | E. | 2' | 2' | 1381 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | PA/164 | 212' 11" S OF " | P. | E. | 6' | 4' | 1382 | 205 | VANH | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L-O.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-08 | P#-164 | 229'± 11'S. OF " | P. | E. | 3' | 3' | 1383 | #205 | VANH | J.K. | 8-16 | SAL. | P. - | - | J.K. |
| 10-08 | P#164 | 229'±5'S. OF " | P. | E. | 5' | 2' | 1384 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 10-08 | P#-164 | BETWEEN REPAIR Nos 1382 & 1384 | G. | E. | 42' | - | 1385 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 20'± to West. - 0' | P. | E. | 3' | 3' | 1386 | #3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 0'± to 20'± to " | R. | E. | 20' | - | 1387 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 30'± to " | P. | E. | 2' | 2' | 1388 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 50'± to " | P. | E. | 2' | 2' | 1389 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 30'± to 50'± to " | R. | E. | 20' | - | 1390 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 100'± to " | P. | E. | 4' | 2' | 1391 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 103'± to " | P. | E. | 3' | 2' | 1392 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 118'± to " | P. | E. | 4' | 4' | 1393 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 130'± to " | P. | E. | 2' | 2' | 1394 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 164/165 | 100'± to 130'± to " | R. | E. | 30' | - | 1395 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 164/165 | 165'± to " | P. | E. | 2' | 1' | 1396 | #205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 11(15)08 | 164/165 | 195'± to " | O/S-80 | E. | 5' | 2' | 1397 | #205 | VANH | J.K. | " | " | P. - | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX. L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-08 | 164/165 | 240' to West-0" | P. | E. | 3' | 2' | 1398 | #205 | VAN# | J.K. | 8-16 | SAL. | P. | - | J.K. |
| 10-08 | 164/165 | 252' to " | P. | E. | 2' | 2' | 1399 | 205 | VAN# | J.K. | " | " | P. | - | J.K. |
| 10-08 | 164/165 | 240' to 252' to " | R. | E. | 12' | - | 1400 | 205 | VAN# | J.K. | " | " | P. | - | J.K. |
| 10-08 | P# 164 | 110' & 6' N. OF " | P. | E. | 6' | 3' | 1401 | 205 | VAN# | J.K. | " | " | P. | - | J.K. |
| 10-08 | P# 165 | 113' & 4' S. OF " | P. | E. | 4' | 2' | 1402 | #3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | PANELS 164-165 | BETWEEN REPAIR No# 1398 & 1402 | G | E. | 56' | - | 1403 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 165-166 SKIRT | 8' to " | CAP. | E. | 8' | 2' | 1404 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 165/166 | 8' to 12' to " | CAP. | E. | 4' | 2' | 1405 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 165/166 | 47' to " | DS-81 | E. | 5' | 2' | 1406 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 165/166 | 128' to " | P. | E. | 2' | 2' | 1407 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 165/166 | 140' to " | P. | E. | 2' | 2' | 1408 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 165/166 | 128' to 142' to " | R. | E. | 14' | - | 1409 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 166-167 SKIRT | 6' to " | P. | E. | 3' | 2' | 1410 | 3 | KC | J.K. | 8-17 | SAL | P. | - | J.K. |
| 10-08 | 167/SKIRT | 0' to 6' | G. | E. | 6' | - | 1411 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 166/167 | 52' to " | P. | E. | 2' | 1' | 1412 | 3 | KC | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 10 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-08 | 166/167 | 78' to West. 0' | P. | E. | 2' | 1' | 1413 | #3 | KC | J.K. | 8-17 | SAL | P. - | - | J.K. |
| 10-08 | 166/167 | 95' to " | P. | E. | 2' | 2' | 1414 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 166/167 | 115' to " | P. | E. | 2' | 2' | 1415 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 166/167 | 125' to " | P. | E. | 3' | 2' | 1416 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 166/167 | 137' to " | P. | E. | 3' | 3' | 1417 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 166/167 | 115' to 139' to " | R. | E. | 24' | - | 1418 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 165-166/167 | 142' to " | P. | E. | 4' | 3' | 1419 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 165/167 | 240' to " | P. | E. | 3' | 2' | 1420 | #205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 165/167 | 252' to " | P. | E. | 2' | 2' | 1421 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 165/167 | 240' to 252' to " | R. | E. | 12' | - | 1422 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 167/168 | 10' to " | P. | E. | 3' | 2' | 1423 | #3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 167/168 | 55' to " | P. | E. | 2' | 1' | 1424 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 10-08 | 167/168 | 85' to " | P. | E. | 2' | 2' | 1425 | 3 | KC | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 167/168 | 117' to " | D/S-82 | E. | 5' | 2' | 1426 | #205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 10(15)08 | 167/168 | 124' to " | P. | E. | 3' | 3' | 1427 | 3 | KC | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 10 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 10-08 | 167/168 | 136' to west. - 0' | P. | E. | 3' | 2' | 1428 | #3 | KC | J.K. | 8-17 | SAL. | P. | - | J.K. |
| 10-08 | 167/168 | 124' to 136' to " | R. | E. | 12' | - | 1429 | 3 | KC | J.K. | " | " | P. | - | J.K. |
| 10-08 | 167/168 | 236' to " | P. | E. | 2' | 2' | 1430 | #205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 167/168 | 248' to " | P. | E. | 2' | 2' | 1431 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 10-08 | 167/168 | 236' to 248' to " | R. | E. | 12' | - | 1432 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 14' to " | P. | E. | 2' | 1' | 1433 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 125' to " | P. | E. | 3' | 2' | 1434 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 137' | P. | E. | 2' | 2' | 1435 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 125' to 137' to " | R. | E. | 12' | - | 1436 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 242' to " | P. | E. | 4' | 3' | 1437 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 254' to " | P. | E. | 3' | 2' | 1438 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 168/169 | 242' to 254' to " | R. | E. | 12' | - | 1439 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 14-08 | 169/170 | 3' to " | D/S-83 | E. | 5' | 2' | 1440 | 205 | J.S. | J.K. | " | " | P. | - | J.K. |
| 11-08 | 169/170 | 14' to " | P. | E. | 2' | 1' | 1441 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11(15)08 | 169/170 | 122' to " | P. | E. | 2' | 2' | 1442 | 205 | VANH | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 11 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP. — CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 11-08 | 169/170 | 134' to West. - 0' | P. | E. | 2' | 2' | 1443 | #205 | VANH | J.K. | 8-17 | SAL. | P. | - | J.K. |
| 11-08 | 169/170 | 122' to 134' to " | R. | E. | 12' | - | 1444 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 169/170 | 150' to " | P. | E. | 4' | 2' | 1445 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 169/170 | 244' to " | P. | E. | 3' | 3' | 1446 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 169/170 | 256' to " | P. | E. | 3' | 2' | 1447 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 169/170 | 244' to 256' to " | R. | E. | 12' | - | 1448 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 12' to " | P. | E. | 3' | 2' | 1449 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 30' to " | P. | E. | 2' | 1' | 1450 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 14-08 | 170/171 | 104' to " | 0/S-84 | E. | 5' | 2' | 1451 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 122' to " | P. | E. | 2' | 2' | 1452 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 134' to " | P. | E. | 2' | 2' | 1453 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 122' to 134' to " | R. | E. | 12' | - | 1454 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 218' to " | P. | E. | 2' | 1' | 1455 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 247' to " | P. | E. | 2' | 2' | 1456 | 205 | VANH | J.K. | " | " | P. | - | J.K. |
| 11-08 | 170/171 | 259' to " | P. | E. | 3' | 2' | 1457 | 205 | VANH | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX-L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 11 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR | | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | CODE (1) | TYPE (2) | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 11-08 | 170/171 | 247' to 259' to " | R. | E. | 12' | - | 1458 | # 205 | VANH | J.K. | 8-17 | SAL. | P. - | - | J.K. |
| 11-08 | 171/172 | 100' to West.-0' | P. | E. | 2' | 1' | 1459 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 171/172 | 123' to " | P. | E. | 2' | 2' | 1460 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 171/172 | 135' to " | P. | E. | 3' | 3' | 1461 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 171/172 | 123 to 135' to " | R. | E. | 12' | - | 1462 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 171/172 | 229' to " | D/S-85 | E. | 5' | 2' | 1463 | 205 | C.S. | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 171/172 | 255' to " | P. | E. | 3' | 2' | 1464 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 171/172 | 267' to " | P. | E. | 2' | 2' | 1465 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 11-08 | 171/172 | 255' to 267' to " | R. | E. | 12' | - | 1466 | 205 | VANH | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 172/173 | 46' to " | D/S-86 | E. | 5' | 2' | 1467 | 205 | C.S. | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 172/173 | 125' to " | P. | E. | 2' | 2' | 1468 | 205 | CHE.S | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 172/173 | 137' to " | P. | E. | 4' | 2' | 1469 | 205 | CHE.S | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 172/173 | 125' to 137' to " | R. | E. | 12' | - | 1470 | 205 | CHE.S | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 173/174 | 126' to " | P. | E. | 3' | 2' | 1471 | 205 | CHE.S | J.K. | " | " | P. - | - | J.K. |
| 14 (15)-08 | 173/174 | 138" to " | P. | E. | 3' | 2' | 1472 | 205 | CHE.S | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 14 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE — CONTRACTOR: J.D. POSILLICO (SUB-GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | NO. DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 11-08 | 26R/27 TRENCH | 154 | P | E | 1 | 1 | R1-1 | G171 | BS | KFD | 11-08 | BS KFD | P \| – | – | KFD |
| 09 11-08 KFD | 26R/CAP27 | 160-257 | C | F | 96 | 5 | R1-2 | 1357 | BS | KFD | 10-08 | J.M. | P \| – | – | KFD |
| 11-08 | 26R/27 | 161 | P | E | 2 | 2 | R1-3 | G171 | BS | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 26R/27 | 181 | P | E | 1 | 3 | R1-4 | G171 | BS | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 26R/27 | 257 | P | E | 2 | 5 | R1-5 | G171 | BS | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 26R/CAP 27 CAP | 228 (DS-75) | P | E | 2 | 6 | R1-6 | G171 | BS | KFD | 11-08 | BS | P \| – | – | KFD |
| 09-08 | 25R/26R | 168-253 | C | F | 85 | 4 | R1-7 | 1375 | BS | KFD | 10-08 | BS | P \| – | – | KFD |
| 11-08 | 25R/26R | 166 | P | E | 4 | 4 | R1-8 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |
| 11 09-08 KFD | 25R/CAP 26R | 197 (DS-76) | P | E | 6 | 2 | R1-9 | ~~1357~~ G133 KFD | ~~BS~~ NT | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 25R/26R | 254 | P | E | 2 | 5 | R1-10 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 25R/26R | 259 | P | E | 2 | 2 | R1-11 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 25R/26R | 278 | P | E | 1 | 1 | R1-12 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 25R/25 | 278 | P | E | 1 | 1 | R1-13 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |
| 11-08 | 24R/24/ 25R/25 | 278 | P | E | 1 | 1 | R1-14 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |
| ~~11-08~~ (15) | 25R | 258 | P | E | 11 | 2 | R1-15 | G133 | NT | KFD | 11-08 | BS | P \| – | – | KFD |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL VLDPE GEOMEMBRANE CONTRACTOR: J.D. POSILLICO (SUB-GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | NO DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 11-08 | 25R | 258 | P | E | 3 | 3 | RI-16 | 9133 | NT | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 24R/25R | 248 | P | E | 2 | 3 | RI-17 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 10-08 | CAP 24R/25R | 175-247 | C | F | 72 | 4 | RI-18 | 1357 | BS | KFD | 10-08 | JM | P \| - | — | KFD |
| 11-08 | 24R/25R | 172 | P | E | 6 | 6 | RI-19 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23R/24 | 163 | P | E | 2 | 2 | RI-20 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23R/24 | 209 (DS-77 | P | E | 6 | 2 | RI-21 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 10-08 | CAP 23R/24R | 233-259 | C | F | 26 | 4 | RI-22 | 1357 | BS | KFD | 10-08 | JM | P \| - | — | KFD |
| 11-08 | 23R/24R | 260 | P | E | 2 | 4 | RI-23 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 24R/24 | 278 | P | E | 1 | 1 | RI-24 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23/24/24R | 278 | P | E | 1 | 1 | RI-25 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23/23R | 276 | P | E | 1 | 1 | RI-26 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23/23R | 276 | P | E | 1 | 1 | RI-27 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23R | 272 | P | E | 1 | 1 | RI-28 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 | 23R | 166 | P | E | 1 | 1 | RI-29 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |
| 11-08 (15) | 23R | 166 | G | E | 5 | N/A | RI-30 | 9171 | BS | KFD | 11-08 | BS | P \| - | — | KFD |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 14 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40 MIL VLDPE GEOMEMBRANE — CONTRACTOR: J.D. POSILLICO (SUB GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/FAIL | ACTION | QA ID |
| 11-08 | 26/27 | 0-281 | P | E | 5 | 3 | 1744 | G171 | BS | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 27 | DIAGANAL CAP 0-273 | C | E | 24 | 2 | 1745 | G171 | BS | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 27/28 | 0-275 | P | E | 1 | 1 | 1746 | G171 | BS | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 28 | DIAGANAL CAP 0-280 | C | E | 24 | 3 | 1747 | G171 | BS | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 29 | DIAGANAL CAP 0-282 | C | E | 22 | 2 | 1748 | G133 | NT | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 29/83 | 263-288 | C | E | 25 | 2 | 1749 | G133 | NT | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 83 | DIAGANAL CAP 0-276 | C | E | 22 | 2 | 1750 | G133 | NT | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 83/84 | 271-275 | C | E | 4 | 2 | 1751 | G133 | NT | KFD | 14-08 | HT | P / - | — | KFD |
| 11-08 | 84 | DIAGANAL CAP 0-272 | C | E | 24 | 2 | 1752 | G133 | NT | KFD | 14-08 | HT | P / - | — | KFD |
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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 14 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40mil VLDPE GEOMEMBRANE — CONTRACTOR: J.D. PASILLICO (308-GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | NO ~~DIA~~ (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 11-08 | 21/22R | 261 | P | E | 1 | 1 | R1-31 | G171 | BS | KFD | 11-08 | BS | P / – | – | KFD |
| 11-08 | 21/22R | 260 | P | E | 1 | 1 | R1-32 | G171 | BS | KFD | 11-08 | BS | P / – | – | KFD |
| 11-08 | 21/22R | 234 (05-78) | P | E | 6 | 2 | R1-33 | G133 | NT | KFD | 11-08 | BS | P / – | – | KFD |
| 11-08 | 21/22R | 176 | P | E | 2 | 1 | R1-34 | G177 | BS | KFD | 11-08 | BS | P / – | – | KFD |
| 11-08 | 21/22R/22 | 156 | P | E | 1 | 1 | R1-35 | G133 | NT | KFD | 11-08 | BS | P / – | – | KFD |

(15)

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 8 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ 40MIL VLDPE TEX. CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | NUM DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 14/8 | 26R-27 SLOPE | 154' | P | E | 1 | 1 | R1-1 | 171 | BS | GD | 11/8 | SN | P | | GD |
| | CAP-27 | 161'-180 | P | E | 2 | 2 | -2 | 1135 | BS | GD | 14/8 | SN | P | | GD |
| | CAP-27 | 183'-220 | P | E | 1 | 3 | -3 | 1135 | BS | GD | 14/8 | SN | P | | GD |
| | CAP-27 | 228-257 | DS-75 | E | 5 | 2 | -4 | 1135 | BS | GD | 14/8 | SN | P | | GD |
| | CAP-27R 26R | 257' | P | E | 2 | 5 | -5 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 25R-26R | 1606'-252 | P | E | 4 | 4 | -6 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 25R-CAP | 166-252 | DS-76 | E | 5 | 2 | -7 | 1135 | BS | GD | 14/8 | SN | P | | GD |
| | 25R-26R | 254' | P | E | 2 | 5 | -8 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 25R-26R | 259' | P | E | 2 | 2 | -9 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 25R-26R | 278' | P | E | 1 | 1 | -10 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 25R | 278' | P | E | 1 | 1 | -11 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 25R | 253' | P | E | 3 | 3 | -12 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 24R-25R | 178' | P | E | 6 | 6 | -13 | 171 | BS | GD | 14/8 | SN | P | | GD |
| | 24R-25R | 218 | P | E | 2 | 3 | -14 | 171 | BS | GD | 14/8 | SN | P | | GD |
| 14/8 (15) | 25R | 253 | P | E | 2 | 11 | -15 | 171 | BS | GD | 14/8 | SN | P | | GD |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 8 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ 40 MIL VLDPE TEX. CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | NUM-DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/FAIL | ACTION | QA ID |
| 14/8 | 24R-26R | 278' | P | E | 1 | 1 | R1-16 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 24R | 278' | P | E | 1 | 1 | -17 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R-24R | 163' | P | E | 2 | 2 | -18 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R-24R | 209' | DS-77 | E | 5 | 2 | -19 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R-24R CAP | 248' | C | F | 26 | 4 | -20 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R-24R | 2100 | P | E | 2 | 4 | -21 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23-23R-24R | 278' | P | E | 1 | 1 | -22 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R-23 | 276' | P | E | 1 | 1 | -23 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R-23 | 2746' | P | E | 1 | 1 | -24 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R | 272' | P | E | 1 | 1 | -25 | G198 | NT | GD | 14/8 | SN | P | | GD |
| | 23R | 1666' | P | E | 1 | 1 | -26 | G171 | BS | GD | 14/8 | SN | P | | GD |
| | 21-22R-22 | 157' | P | E | 1 | 1 | -27 | G171 | BS | GD | 11/8 | SN | P | | GD |
| | 21-22R | 176' | P | E | 1 | 2 | -29 | G171 | BS | GD | 14/8 | SN | P | | GD |
| | 21-22R | 234' | DS-78 | E | 5 | 2 | -24 | G171 | BS | GD | 14/8 | SN | P | | GD |
| 14 (15)/8 | 21-22R | 2100' | P | E | 1 | 1 | -30 | G171 | BS | GD | 14/8 | SN | P | | GD |

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GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 14 day 8 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ 40 mil VLDPE TEX; — CONTRACTOR: JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | NUM ~~DIA~~ (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 14/8 | 21-22R | 226' | P | E | 1 | 1 | 21-31 | 1135 | BS | DW | 14/8 | SN | P | | DW |
| ↓ | 26R-27R | 161'-256' | C | F | 96 | 5 | -32 | 1135 | BS | DW | 14/8 | SN | P | | DW |
| ↓ | 25R-26R | 166-253 | C | F | 88 | 4 | -33 | 1135 | BS | DW | 14/8 | SN | P | | DW |
| 14/8 | 24R-25R | 172-248' | C | F | 76 | 5 | -34 | 1135 | BS | DW | 14/8 | SN | P | | DW |
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TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 15 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE — CONTRACTOR: J.D. POSILLICO (SUB-GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 15-08 | 89/91 | 0-160 | C | E | 18 | 2 | 1753 | 9171 | TT | KFD | 15-08 | BS | P / - | - | KFD |
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TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

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LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 15 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE — CONTRACTOR: J.D. POSILLICO (SUB-GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/FAIL | ACTION | QA ID |
| 15-08 | 29/83 | 163-171 | C | E | 8 | 3 | 1754 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 83 | DIAGANAL CAP 0-178 | C | E | 23 | 3 | 1755 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 83/84 | 0-181 | P | E | 3 | 3 | 1756 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 83 | 0-164 | P | E | 1 | 1 | 1757 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 84 | DIAGANAL CAP 0-182 | C | E | 24 | 3 | 1758 | G133 | KO | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 84 | DIAGANAL CAP 0-184 | C | E | 24 | 2 | 1759 | G133 | KO | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 85 | DIAGANAL CAP 0-182 | C | E | 26 | 3 | 1760 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 84/85 | 175-178 | P | E | 3 | 3 | 1761 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 86 | DIAGANAL CAP 0-177 | C | E | 26 | 3 | 1762 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 86 | 0-169, 4's, of 86/88 | P | E | 1 | 1 | 1763 | G133 | JM | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 86/88 | 0-171 | P | E | 3 | 2 | 1764 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 86/88 | 158-175 | C | E | 17 | 2 | 1765 | G171 | TT | KFD | 15-08 | BS | P / - | — | KFD |
| 15-08 | 88 | DIAGANAL CAP 0-178 | C | E | 26 | 3 | 1766 | G133 | HT | KFD | 15-08 | BS | P / - | — | KFD |
| 14-08 KFD | 89 | DIAGANAL CAP 0-175 | C | E | 29 | 3 | 1767 | G133 | HT | KFD | 15-08 | BS | P / + | — | KFD |
| 15-08 (15) | 91 | 160-172 | C | E | 12 | 3 | 1768 | G133 | BS | KFD | 15-08 | BS | P / — | — | KFD |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 16 day 8 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ 40MIL VLDPE GEOMEMBRANE — CONTRACTOR: T.D. POSILLICO (SUB-GUNDLE)

| DATE (day/mo) | REPAIR LOCATION | | REPAIR NO. AND CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | REPAIR DIA (ft) | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 16-08 | 109 | 0-233 | C | E | 18 | 1.5 | 1769 | G205 | TT | KFD | 16-08 | JM | P / - | — | KFD |
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| (15) | | | | | | | | | | | | | | | |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S = ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GeoSyntec Consultants

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK — PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE — DATE: 14 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 Mil. Tex-L.D.P.E. CAP. — CONTRACTOR: Gunnle / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 14-08 | 173/174 | 126'to 138'to " | R. | E. | 12' | - | 1473 | #205 | CHR.S | J.K. | 8-17 | SAL' | P. | - | J.K. |
| 14-08 | 174/175 | 15'to West.-0' | P. | E. | 2' | 2' | 1474 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 174/175 | 128'to " | P. | E. | 2' | 2' | 1475 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 174/175 | 140'to " | P. | E. | 3' | 2' | 1476 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 174/175 | 128'to 140'to " | R. | E. | 12' | - | 1477 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 15-08 | 175/176 | 120'to " | D/S-87 | E. | 5' | 2' | 1478 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 14-08 | 175/176 | 129'to " | P. | E. | 4' | 2' | 1479 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 175/176 | 141'to " | P. | E. | 3' | 2' | 1480 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 175/176 | 129'to 141'to " | R. | E. | 12' | - | 1481 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 176/176 | 150'to " | P. | E. | 2' | 2' | 1482 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 176/177 | 5'to " | P. | E. | 2' | 1' | 1483 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 176/177 | 20'to " | P. | E. | 2' | 2' | 1484 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 176/177 | 5'to 20'to " | CAP. | E. | 15' | 2' | 1485 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-08 | 176/177 | 80'to " | P. | E. | 2' | 2' | 1486 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |
| 14-(15)-08 | 176/177 | 130'to " | P. | E. | 3' | 3' | 1487 | 205 | CHR.S | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.
(1) REPAIR CODES: P = PATCH, C = CAP, S= ANCHOR TRENCH EXTENSION (SKIRT), DS = DESTRUCTIVE SAMPLE, G = GRIND & WELD, T = TOPPING ALONG FUSION SEAM, R = RECONSTRUCTION
(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX. L.D.P.E. CAP.

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 14 day 08 month 1995 year

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 14-08 | 176/177 | 142' to WEST. -0' | P. | E. | 3' | 2' | 1488 | #205 | CHRIS | J.K. | 8-17 | SAL. | P. - | - | J.K. |
| 14-08 | 176/177 | 130' to 142' to " | R. | E. | 12' | - | 1489 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 176/177 | 222' to " | P. | E. | 2' | 1' | 1490 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 177/178 | 14' to " | P. | E. | 2' | 1' | 1491 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 177/178 | 132' to " | P. | E. | 3' | 3' | 1492 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 177/178 | 144' to " | P. | E. | 4' | 3' | 1493 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 177/178 | 132' to 144' to " | R. | E. | 12' | - | 1494 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 15-08 | 177/178 | 170' to " | 0/5-88 | E. | 5' | 2' | 1495 | #198 | K.C. | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 178/179 | 132' to " | P. | E. | 2' | 2' | 1496 | #205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 178/179 | 144' to " | P. | E. | 2' | 2' | 1497 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 178/179 | 132' to 144' to " | R. | E. | 12' | - | 1498 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 179/180 | 98' to " | P. | E. | 5' | 2' | 1499 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 179/180 | 133' to " | P. | E. | 4' | 2' | 1500 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14-08 | 179/180 | 145' to " | P. | E. | 2' | 2' | 1501 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |
| 14 (15) 08 | 179/180 | 133' to 145' to " | R. | E. | 12' | - | 1502 | 205 | CHRIS | J.K. | " | " | P. - | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

PROJECT NO.: GQ3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

DATE: 15 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 15-08 | 179/180 | 198' to West -0' | D/S-89 | E. | 5' | 2' | 1503 | #198 | K.C. | J.K. | 8-17 | SAL. | P. | - | J.K. |
| 14-08 | 180/181 | 137' to " | P. | E. | 3' | 3' | 1504 | #205 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 14-08 | 180/181 | 149' to " | P. | E. | 3' | 2' | 1505 | 205 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 14-08 | 180/181 | 155' to " | P. | E. | 2' | 2' | 1506 | 205 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 14-08 | 180/181 | 137' to 155' to " | R. | E. | 18 | - | 1507 | 205 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 14-08 | 180/181 | 165' to " | P. | E. | 2' | 2' | 1508 | 205 | CHRIS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 181/182 | 12' to " | D/S-90 | E. | 5' | 2' | 1509 | #198 | KC | J.K. | " | " | P. | - | J.K. |
| 15-08 | 181/182 | 146' to " | P. | E. | 3' | 2' | 1510 | #205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 181/182 | 158' to " | P. | E. | 4' | 3' | 1511 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 181/182 | 146' to 158' to " | R. | E. | 12' | - | 1512 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 181 & PATCH | 158' to 188' to " | R. | E. | 30' | - | 1513 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 182 & PATCH | 158' to 178' to " | R. | E. | 20' | - | 1514 | 205 | CS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 182/183 | 30' to " | P. | E. | 2' | 2' | 1515 | 205 | CS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 183/184 | 10' to " | P. | E. | 2' | 1' | 1516 | 205 | CS | J.K. | " | " | P. | - | J.K. |
| 15-08 (15) | 183/184 | 0' to 12' | R. | E. | 12' | - | 1517 | 205 | CS | J.K. | " | " | P. | - | J.K. |

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

## REPAIR SUMMARY LOG

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE

PROJECT NO.: GQ3700 TASK NO.: 01

DATE: 15 day 08 month 1995 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ 40 MIL. TEX. L.D.P.E. CAP.

CONTRACTOR: GUNDLE / JDP

| DATE (day/mo) | REPAIR LOCATION | | REPAIR CODE (1) | REPAIR TYPE (2) | REPAIR | | | WELDER ID | | QA ID | NON-DESTRUCTIVE TESTING | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SEAM OR PANEL | MAPPING (DIST FROM 0-FT OR EDGE) | | | LENGTH (ft) | WIDTH (ft) | # | MACH NO. | OPER ID | | DATE (day/mo) | OPER ID | PASS/ FAIL | ACTION | QA ID |
| 15-08 | 184/185 | 50' to West-0' | P. | E. | 2' | 2' | 1518 | #205 | C.S. | J.K. | 8-17 | SAL. | P. | - | J.K. |
| 15-08 | 184/185 | 53' to " | D/S-91 | E. | 5' | 2' | 1519 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 184/185 | 85' to " | P. | E. | 2' | 2' | 1520 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 184/185 | 50' to 85' to " | CAP. | E. | 35' | 2' | 1521 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 184/185 | 97' to " | P. | E. | 2' | 2' | 1522 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 184/185 | 120' to " | P. | E. | 2' | 2' | 1523 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 184/185 | 97' to 120' to " | R. | E. | 23' | - | 1524 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 184/185 | 144' to " | P. | E. | 2' | 1' | 1525 | 205 | C.S. | J.K. | " | " | P. | - | J.K. |
| 15-08 | 185/189 | 0' to 12' Ext. Full Seam | G. | E. | 12' | - | 1526 | #171 | BS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 186-186 189 | 12' to " | P. | E. | 3' | 2' | 1527 | 171 | BS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 185/186 | 103' to " | P. | E. | 2' | 2' | 1528 | #205 | C.S | J.K. | " | " | P. | - | J.K. |
| 15-08 | 187/189 | 12' Ext. Full Seam | G. | E. | 12' | - | 1529 | #171 | BS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 186-187 189 | 12' to " | P. | E. | 3' | 2' | 1530 | 171 | BS | J.K. | " | " | P. | - | J.K. |
| 15-08 | 186/187 | 122' to " | D/S-92 | E. | 5' | 2' | 1531 | #205 | C.S | J.K. | " | " | P. | - | J.K. |
| (15)-08 | 187/188 | 0' to 8' | CAP. | E. | 8' | 2' | 1531A | #171 | BS | J.K. | " | " | P. | - | J.K. |

NOTES: (1) REPAIR NO.: REPAIRS CAN BE NUMBERED SEQUENTIALLY, IF NECESSARY.

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(2) REPAIR TYPES: E = EXTRUSION, F = FUSION

HUNTINGTON/EAST NORTHPORT LANDFILL
INTERIM REMEDIAL PROGRAM
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/21/95 | 190-191 | 1532 | 92' | +3 | P 1X1 | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1533 | 93' | +4 | P 1X1 | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1534 | 93' | 0 | P 2X2 | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1535 | 102' | 0 | P 2X2 | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1536 | 93'-102' | 0 | G 09' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1537 | 201'-229' | 0 | C 28' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1538 | 191' | 0 | P 2X2 | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1539 | 321'-383' | 0 | C 62'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1540 | 391'-399' | 0 | C 2'X 8' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1541 | 104' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1542 | 116' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1543 | 132' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1544 | 93' | -4' | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1545 | 139' | 0 | DS-95 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1546 | 277' | 0 | DS-93 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1547 | 383'-391' | 0 | G 08' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1548 | 195' | 0 | P 2'X 3' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1549 | 195'-203' | 0 | G 8' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1550 | 203' | 0 | P 2'X 3' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1551 | 387' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1552 | 387'-397' | 0 | G 10' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1553 | 397' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1554 | 387' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1555 | 387' | +5 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1556 | 377'-387' | 0 | G 10' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1557 | 377' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1558 | 410' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1559 | 410'-415' | 0 | G 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1560 | 407' | +9 | P 1'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1561 | 324' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1562 | 315'-324' | 0 | G 9' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1563 | 315' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1564 | 320' | +8' | G 8' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 191-192 | 1565 | 320' | +8' | P 1'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1566 | 196' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1567 | 191'-193' | 0 | G 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1568 | 187' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 190-191 | 1569 | 191' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/21/95 | 192-193 | 1570 | 187'-196' | 0 | G 9' | E | VS | 171 | 9/1/95 | IS | P | JJP |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
(2) Repair Types: E = Extrusion F = Fusion

HUNTINGTON/EAST NORTHPORT LANDFILL
INTERIM REMEDIAL PROGRAM
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/21/95 | 197-198 | 1910 | 306 | 0 | P 1.5X2 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 197-198 | 1911 | 296'-306' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 197-198 | 1912 | 296 | 0 | P 2X2 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 197-198 | 1913 | 181'-193' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 197-198 | 1914 | 99'-109' | 0 | EXT | E | AL | 171 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 197-198 | 1915 | 376'-396' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1916 | 389'-403' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1919 | 389 | 0 | P 1.5 X1.5 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1920 | 389'-389' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1921 | 310 | 0 | P 2X1.5 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1922 | 300'-310' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1923 | 300 | 0 | P 1.5X2 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1924 | 189'-198' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 196-197 | 1925 | 103'-113' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 195-196 | 1926 | 300 | 0 | P 1.5X1.5 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 195-196 | 1927 | 300'-310' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 195-196 | 1930 | 376'-386' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 195-196 | 1934 | 187'-196' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 195-196 | 1935 | 98'-107' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 194-195 | 1947 | 383'-392' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 194-195 | 1948 | 308'-318' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 194-195 | 1959 | 188'-198' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 194-195 | 1961 | 95'-104' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 193-194 | 1974 | 388'-398' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 193-194 | 2038 | 313'-323' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 193-194 | 2053 | 192'-203' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/21/95 | 193-194 | 2128 | 97'-107' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/22/95 | 190-191 | 1571 | 03' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 190-191 | 1572 | 00'-13' | 0 | C 2'X 13' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 190-191 | 1573 | 23' | 0 | P 2'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 191-192 | 1574 | 16' | 0 | P 1'X 1.5 | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 192-193 | 1575 | 04' | 0 | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1576 | 02' | 0 | P 2'X 4' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1577 | 19' | 0 | P 2'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1578 | 16' | 0 | P 2'X 1.5 | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1579 | 44' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1580 | 68' | 0 | DS-97 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1581 | 97' | 0 | P 2'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1582 | 107' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
(2) Repair Types: E = Extrusion F = Fusion

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/22/95 | 194-195 | 1583 | 95' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1584 | 104' | 0 | P 2'X 7' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1585 | 107' | 0 | P 2'X 4' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1586 | 98' | 0 | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1587 | 103' | 0 | P 2'X 2' | E | KC | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1588 | 113' | 0 | P 2'X 2' | E | KC | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1589 | 140' | +4' | P 1'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1590 | 158' | +11' | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1591 | 159' | +6' | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1592 | 159' | 0 | P 2'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1593 | 136' | 0 | DS-99 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 197-198 | 1594 | 181' | +6' | P 2'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1595 | 189' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1596 | 187' | 0 | P 2'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1597 | 196' | 0 | P 2'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1598 | 188' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1599 | 198' | 0 | P 2'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1600 | 192' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1601 | 107' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1602 | 263' | 0 | DS-98 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1603 | 282' | 0 | P 1'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1604 | 308' | 0 | P 2'X 4' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1605 | 318' | 0 | P 2'X 1.5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1606 | 313' | 0 | P 2'X 4' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1607 | 323' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 192-193 | 1608 | 295' | -1' | P 1'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 192-193 | 1609 | 307' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 192-193 | 1610 | 316' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 191-192 | 1611 | 350' | 0 | DS-94 2'X 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1612 | 338' | +4' | BOOT 4'X 6' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1613 | 341' | 0 | P 2'X 8' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1614 | 310' | 0 | P 2'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1615 | 331' | 0 | P 2'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1616 | 342' | 0 | P 2'X 2' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1617 | 356' | 0 | P 2'X 3' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1618 | 373' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 195-196 | 1619 | 387' | 0 | P 2'X 1.5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1620 | 383' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 194-195 | 1621 | 392' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/22/95 | 193-194 | 1622 | 388' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 193-194 | 1623 | 398' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 192-193 | 1624 | 377' | -6' | P 1'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 1625 | 380' | 0 | P 2'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 197-198 | 1626 | 376' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/22/95 | 196-197 | 4850 | 354' | 0 | DS-101 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | RI |
| 8/23/95 | 198-199 | 1627 | 375' | 0 | P 2'X 1.5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-203 | 1628 | 373' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 198-199-200 | 1629 | 325' | 0 | P 2'X 6' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-203 | 1630 | 308' | 0 | P 2'X 4' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 198-200 | 1631 | 305' | +3' | P 1'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 198-200 | 1632 | 295' | 0 | P 3'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-200 | 1633 | 295' | 0 | P 2'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-200 | 1634 | 290' | 0 | P 2'X 1' | E | CS | 205 | 9/1/95 | TS | P | JJP |
| 8/23/95 | 199-203 | 1635 | 298' | 0 | BOOT 4'X 6' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-203 | 1636 | 184' | 0 | P 3'X 1.5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-200 | 1637 | 185'-200' | 0 | C 2'X 15' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 197-198 | 1638 | 181' | 0 | P 2'X 1.5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 197-198 | 1639 | 193' | 0 | P 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 197-198 | 1640 | 232' | 0 | DS-100 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 196-197 | 1641 | 198' | 0 | P 2'X 4' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 197-198 | 1642 | 109' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 197-198 | 1643 | 99' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 198-201 | 1644 | 99' | 0 | P 3'X 6' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 198-201 | 1645 | 115' | +2' | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 198-201 | 1646 | 115' | 0 | P 1.5'X 4' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 200-201 | 1647 | 109' | 0 | P 1'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 200-201 | 1648 | 99' | 0 | P 1'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-200 | 1649 | 98' | 0 | P 1'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-200 | 1650 | 108' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-203 | 1651 | 109' | 0 | P 2'X 3' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-203 | 1652 | 99' | 0 | P 2'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/23/95 | 199-203 | 2129 | 373'-390' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-199 | 2130 | 375'-395' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-200 | 2134 | 295'-324' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 199-200 | 2135 | 295'-324' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 199-203 | 2136 | 298'-308' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 199-203 | 2196 | 168'-184' | 0 | EXT | E | VS | 171 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 199-203 | 2197 | 99'-109' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |

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GEOMEMBRANE REPAIR LOG

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/23/95 | 199-200 | 2557 | 98'-108' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-200 | 2558 | 212 | 0 | P 1.5X1.5 | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 200-201 | 2559 | 187 | 0 | P 1.5X2 | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 200-201 | 2560 | 178'-187' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 200-201 | 2561 | 178 | 0 | P 2X2 | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-201 | 2562 | 187 | 0 | P 1X2.5 | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-201 | 2563 | 178'-187' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-201 | 2564 | 178 | 0 | P 2.5X2 | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 200-201 | 2565 | 130 | 0 | P 2X4 DS-103 | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 200-201 | 2566 | 99'-109' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 198-202 | 2567 | 100'-110' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/23/95 | 201-202 | 2568 | 100'-110' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/24/95 | 203-204 | 1653 | 342' | 0 | P 2'X 4' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1654 | 325' | 0 | P 2'X 4' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1655 | 298' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1656 | 288' | 0 | P 2'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 199-203 | 1657 | 280' | 0 | DS-105 2'X 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 199-200 | 1658 | 255' | 0 | DS-102 2'X 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 199-200 | 1659 | 175' | 0 | P 2'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 199-203 | 1660 | 168' | 0 | BOOT 3'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1661 | 166' | 0 | P 2'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1662 | 175' | -3' | P 1'X 1' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1663 | 176'-200' | 0 | C 2'X 24' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1664 | 174' | 0 | P 2'X 3' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1665 | 164' | 0 | P 2'X 1.5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1666 | 148' | 0 | P 2'X 1.5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1667 | 130' | 0 | P 2'X 3' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1668 | 105' | 0 | P 2'X 3' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1669 | 95' | 0 | P 3'X 3' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1670 | 95' | 0 | P 2'X 5' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1671 | 105' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 203-204 | 1672 | 42' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 199-200 | 1673 | 32' | 0 | P 2'X 1.5' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 198-202 | 1674 | 48' | 0 | DS-104 2'X 5' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1675 | 22' | 0 | P 2'X 3' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 205-206 | 1676 | 06' | 0 | P 2'X 1.5' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 205-206 | 1677 | 158' | +5' | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 205-206 | 1678 | 285' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 205-206 | 1679 | 295' | 0 | P 2'X 1.5' | E | CS | 205 | 9/2/95 | IS | P | JJP |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/24/95 | 204-205 | 1680 | 296' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1681 | 296' | +5' | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 1682 | 286' | 0 | P 2'X 3' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/24/95 | 204-205 | 2583 | 286'-296' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/24/95 | 204-205 | 2584 | 164'-174' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/24/95 | 204-205 | 2585 | 95'-105' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/24/95 | 203-204 | 2586 | 288'-298' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/24/95 | 203-204 | 2587 | 166'-176' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/24/95 | 203-204 | 2588 | 95'-105' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/24/95 | 203-204 | 4851 | 69' | 0 | DS-106 2'X 4' | E | AL | 133 | 9/2/95 | IS | P | RI |
| 8/24/95 | 204-205 | 4852 | 218' | 0 | DS-107 2'X 4' | E | AL | 133 | 9/2/95 | IS | P | RI |
| 8/25/95 | 205-206 | 1683 | 354' | +1' | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 205-206 | 1684 | 320 | 0 | DS-108 2'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1685 | 350' | 0 | DS-109 2'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1686 | 296' | 0 | P 2'X 3' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1687 | 286' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1688 | 287' | 0 | P 2'X 3' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1689 | 297' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1690 | 300' | 0 | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1691 | 301' | 0 | P 2'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1692 | 291' | 0 | P 2'X 1.5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 205-206 | 1693 | 265' | +6' | BOOT 5'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1694 | 250' | 0 | P 2'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1695 | 172' | 0 | P 3'X 1.5' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1696 | 162' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1697 | 166' | -6' | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1698 | 163' | 0 | P 2'X 4' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1699 | 173' | 0 | P 2'X 3' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1700 | 177' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1701 | 167' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 205-206 | 1702 | 167' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 205-206 | 1703 | 177' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 205-206 | 1704 | 107'-120' | 0 | C 2'X 13' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 205-206 | 1705 | 97' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1706 | 99' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 206-207 | 1707 | 109' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1708 | 109' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1709 | 99' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1710 | 99' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/25/95 | 208-209 | 1711 | 109' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 1712 | 34' | 0 | DS-111 2'X 5' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1713 | 06' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 207-208 | 1714 | 149' | 0 | DS-110 2'X 5' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 209-210 | 1715 | 281' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 209-210 | 1716 | 291' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 209-210 | 1717 | 282' | -2' | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/25/95 | 208-209 | 2569 | 340 | 0 | P 2X2 | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/25/95 | 208-209 | 2570 | 286'-296' | 0 | EXT | E | CS | 205 | 8/30/95 | IS | P | NMB |
| 8/25/95 | 208-209 | 2571 | 99'-109' | 0 | EXT | E | AL | 133 | 8/30/95 | IS | P | NMB |
| 8/25/95 | 207-208 | 2572 | 349 | 0 | P 2X2 | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 207-208 | 2573 | 287'-297' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 207-208 | 2574 | 163'-173' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 207-208 | 2575 | 99'-109' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 206-207 | 2576 | 360 | 0 | P 2X2 | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 206-207 | 2577 | 291'-301" | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 206-207 | 2578 | 167'-177' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 206-207 | 2579 | 99'-109' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 205-206 | 2580 | 285'-295' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 205-206 | 2581 | 167'-177' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 205-206 | 2582 | 97'-107' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 209-210 | 2599 | 281'-291' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 209-210 | 2600 | 157'-167' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/25/95 | 209-210 | 2601 | 98'-106' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 210-211 | 1718 | 294' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 210-211 | 1719 | 284' | 0 | P 2'X 3' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1720 | 294 | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1721 | 284' | 0 | P 2'X 3' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1722 | 245' | -1' | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 209-210 | 1723 | 250' | 0 | DS-112 2'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 209-210 | 1724 | 157' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 209-210 | 1725 | 167' | 0 | BOOT 3'X 5' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 210-211 | 1726 | 168'-190' | 0 | C 2'X 22' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 210-211 | 1727 | 158' | 0 | P 2'X 3' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1728 | 155' | 0 | P 2'X 3' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1729 | 165' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 212-213 | 1730 | 149' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 212-213 | 1731 | 108' | 0 | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 212-213 | 1732 | 98' | 0 | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/26/95 | 212-213 | 1733 | 100' | +1' | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1734 | 100 | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 211-212 | 1735 | 110' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 210-211 | 1736 | 111' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | AL | P | JJP |
| 8/26/95 | 210-211 | 1737 | 104' | -5' | P 1'X 1' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 210-211 | 1738 | 104' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 210-211 | 1739 | 101' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 209-210 | 1740 | 106' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 209-210 | 1741 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 212-213 | 1779 | 159' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/26/95 | 213-214 | 2589 | 149'-159' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 213-214 | 2590 | 101'-111' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 212-213 | 2591 | 149'-159' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 212-213 | 2592 | 98'-108' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 211-212 | 2593 | 284'-294' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 211-212 | 2594 | 155'-165' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 211-212 | 2595 | 100'-110' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 210-211 | 2596 | 284'-294' | 0 | EXT | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 210-211 | 2597 | 158'-168' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 210-211 | 2598 | 101'-111' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/26/95 | 211-212 | 4853 | 212' | 0 | DS-114 2'X 5' | E | KC | 133 | 9/2/95 | IS | P | RI |
| 8/28/95 | 210-211 | 1742 | 31' | 0 | P 2'X 2' | E | AL | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1770 | 230' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 213-214 | 1771 | 215' | 0 | DS-115 2'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1772 | 190' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1773 | 159'-182' | 0 | C 2'X 23' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1774 | 159' | +3' | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1775 | 150' | -3' | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1776 | 149' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 213-214 | 1777 | 149' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 213-214 | 1778 | 159' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 215-216 | 1780 | 149' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 215-216 | 1781 | 150' | +3' | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 215-216 | 1782 | 159' | 0 | P 2'X 2' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1783 | 165' | +6' | P 1'X 1' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1784 | 158' | 0 | P 2'X 1.5' | E | VS | 171 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1785 | 141 | 0 | P 2'X 8' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1786 | 141' | +12' | BOOT 4'X 4' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 217-218 | 1787 | 140' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/28/95 | 217-218 | 1788 | 142' | +3' | P 1'X 1' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 217-218 | 1789 | 150' | 0 | P 2'X 3' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 218-219 | 1790 | 138' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 218-219 | 1791 | 148' | 0 | P 2'X 2' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 217-218 | 1792 | 114' | 0 | P 2'X 2' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 217-218 | 1793 | 104' | 0 | P 1'X 1' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1794 | 105' | 0 | P 2'X 3' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1795 | 115' | 0 | P 2'X 3' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 215-216 | 1796 | 114' | 0 | P 2'X 2' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 215-216 | 1797 | 104' | 0 | P 2'X 4' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1798 | 104' | 0 | P 2'X 1.5' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 214-215 | 1799 | 114' | 0 | P 2'X 1.5' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 213-214 | 1800 | 111' | 0 | P 2'X 2' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 213-214 | 1801 | 101' | 0 | P 2'X 3' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 211-212 | 1802 | 125' | 0 | DS-113 2'X 5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 215-216 | 1803 | 80' | 0 | DS-116 2'X 5' | E | KC | 133 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 216-217 | 1804 | 212' | 0 | P 2'X 1.5' | E | CS | 205 | 9/2/95 | IS | P | JJP |
| 8/28/95 | 190-191 | 1805 | 191' | 0 | C 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 191-192 | 1806 | 195' | 0 | C 2'X 3' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 190-191 | 1807 | 150'-191' | 0 | C 2'X 41' | F | TT | 295 | 8/28/95 | JM | P | JJP |
| 8/28/95 | 190-191 | 1808 | 150' | 0 | C 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 190-191 | 1809 | 102'-150' | 0 | C 2'X 48' | F | TT | 295 | 8/28/95 | JM | P | JJP |
| 8/28/95 | 190-191 | 1810 | 102' | 0 | C 2'X 4' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 191-192 | 1811 | 163'-195' | 0 | C 2'X 32' | F | TT | 295 | 8/28/95 | JM | P | JJP |
| 8/28/95 | 191-192 | 1812 | 158'-163' | 0 | C 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 191-192 | 1813 | 114'-158' | 0 | C 2'X 44' | F | TT | 295 | 8/28/95 | JM | P | JJP |
| 8/28/95 | 191-192 | 1814 | 104'-114' | 0 | C 2'X 10' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 192-193 | 1815 | 163'-187' | 0 | C 2'X 24' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 192-193 | 1816 | 119'-163' | 0 | C 2'X 44' | F | TT | 295 | 8/28/95 | JM | P | JJP |
| 8/28/95 | 192-193 | 1817 | 100'-119' | 0 | C 2'X 19' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 192-193 | 1818 | 87'-91' | 0 | C 2'X 4' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 192-193 | 1819 | 06'-87' | 0 | C 2'X 81' | F | TT | 295 | 8/28/95 | JM | P | JJP |
| 8/28/95 | 192-193 | 1820 | 00'-06' | 0 | C 2'X 6' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 191-192 | 1821 | 00'-31' | 0 | C 2'X 31' | E | VS | 171 | 9/1/95 | IS | P | JJP |
| 8/28/95 | 218-219 | 2602 | 148'-138' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 218-219 | 2603 | 108'-118' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 217-218 | 2604 | 140'-150' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 217-218 | 2605 | 104'-114' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 216-217 | 2606 | 148'-158' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/28/95 | 216-217 | 2607 | 105'-115' | 0 | EXT | E | AL | 133 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 215-216 | 2608 | 212 | 0 | P 2'X2 | E | CS | 205 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 215-216 | 2609 | 149'-159' | 0 | EXT | E | VS | 171 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 215-216 | 2610 | 105'-115' | 0 | EXT | E | KC | 133 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 214-215 | 2611 | 104'-114' | 0 | EXT | E | KC | 133 | 8/31/95 | IS | P | NMB |
| 8/28/95 | 228-233 | 4817 | 33' | 0 | P 3'X7' | E | KC | 133 | 8/28/95 | IS | P | DDW |
| 8/28/95 | 228-229 | 4818 | 42' | -11 | P 3'X7' | E | KC | 133 | 8/28/95 | IS | P | DDW |
| 8/28/95 | 218-219 | 4854 | 189' | 0 | DS-117 2'X 4' | E | CS | 205 | 9/2/95 | IS | P | RI |
| 8/28/95 | 190-R1809 | 4855 | 112' | 0 | DS-118 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | RI |
| 8/28/95 | 192-R1822 | 4856 | 67' | 0 | DS-119 2'X 5' | E | KC | 133 | 9/2/95 | IS | P | RI |
| 8/28/95 | 193-R1817 | 4857 | 111' | 0 | DS-120 2'X 5' | E | VS | 171 | 9/1/95 | IS | P | RI |
| 8/31/95 | 219-221 | 1822 | 220' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 219-221 | 1823 | 206' | 0 | DS-121 2'X 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 219-221 | 1824 | 152' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 219-221 | 1825 | 142'-152' | 0 | G 10' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 219-221 | 1826 | 142' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 219-221 | 1827 | 125' | 0-15' | P 4'X 15' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 219-221 | 1828 | 108' | 0 | C 2'X 17' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1829 | 60' | 0 | DS-123 2'X 5' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1830 | 100' | +5 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1831 | 115' | 0 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1832 | 10' | 0 | C 2'X 10' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1833 | 17' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 223-227 | 1834 | 11' | 0 | P 2'X 11' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 226-227 | 1835 | 11'-21' | 0 | C 2'X 10' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 223-225-226 | 1836 | 63'-67' | 0 | C 2'X 4' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 223-225 | 1837 | 83' | 0 | DS-124 2'X 5' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 223-224-225 | 1838 | 100' | 0 | P 3'X 3' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 223-224 | 1839 | 116' | 0 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1840 | 145' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1841 | 145'-155' | 0 | G 10' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-223 | 1842 | 155' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 221-222-223 | 1843 | 175' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-223 | 1844 | 123' | 0 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-223 | 1845 | 104'-113' | 0 | G 9' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-223 | 1846 | 113' | 0 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-223-224 | 1847 | 143' | 0 | P 3'X 3' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-224 | 1848 | 0-12' | 0 | P 2'X 12' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-222 | 1849 | 116' | 0 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/31/95 | 220-222 | 1850 | 106'-116' | 0 | G 10' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-222 | 1851 | 106' | 0 | P 2'X 2' | E | VS | 274 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-222 | 1852 | 80' | 0 | DS-122 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-222 | 1853 | 50' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-224 | 1854 | 35' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 222-224 | 1855 | 25' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 224-225 | 1856 | 28' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-221 | 1857 | 213' | 0 | C 2'X10' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-222 | 1858 | 175' | 0 | C 2'X 20' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-228-229 | 1859 | 157' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-229 | 1860 | 156' | 0 | DS-125' 2'X 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-229-230 | 1861 | 103' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-230 | 1862 | 93'-103' | 0 | G 10' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-230 | 1863 | 93' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 229-230 | 1864 | 86'-96' | 0 | G 10' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 229-230 | 1865 | 86' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-229 | 1866 | 53' | 0 | DS-126 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 229-230 | 1867 | 7' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-229 | 1868 | 5' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-229 | 1869 | 84' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-229 | 1870 | 73'-84' | 0 | G 11' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-229 | 1871 | 73' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-233 | 1872 | 18' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-233 | 1873 | 70' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-233 | 1874 | 70'-82' | 0 | G 12' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-233 | 1875 | 82' | +3 | P 1'X 1' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-233 | 1876 | 82' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-233 | 1877 | 112' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 228-232-233 | 1880 | 150' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 188-228-238 | 1881 | 190' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-233-234 | 1882 | 116' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 233-234 | 1883 | 66' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 233-234 | 1884 | 56'-66' | 0 | G 10' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 233-234 | 1885 | 56' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 234-235 | 1886 | 48' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 234-235 | 1887 | 48'-58' | 0 | G 10' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 234-235 | 1888 | 58' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 234-235 | 1889 | 58' | +3 | P 1'X 1' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-234-235 | 1890 | 86' | 0 | P 3'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/31/95 | 232-235-236 | 1891 | 49' | 0 | P 3'X 3' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-235 | 1892 | 64'-77' | 0 | C 2'X 13' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-236 | 1893 | 43' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-236-237 | 1894 | 27' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-240 | 1895 | 44' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-240 | 1896 | 44'-57' | 0 | G 13' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-240 | 1897 | 57' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-239-240 | 1898 | 115' | 0 | P 3'X 3' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-239 | 1899 | 150' | 0 | P 2'X 2' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 232-238-239 | 1900 | 160' | 0 | P 3'X 3' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 188-238 | 1901 | 88' | 0 | DS-127 2'X 5' | E | CS | 205 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 238-239 | 1902 | 50' | 0 | DS-128 2'X 5' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 239-240-241 | 1903 | 17' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 8/31/95 | 220-230-231 | 1904 | 37' | 0 | P 2'X 2' | E | AL | 133 | 9/1/95 | IS | P | JJP |
| 9/1/95 | 228-242 | 2243 | 0'-11' | 0 | EXT | E | CS | 205 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 238-242 | 2244 | 0'-19' | 0 | EXT | E | CS | 205 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 188-242 | 2245 | 19'-43' | 0 | EXT | E | CS | 205 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 187-242 | 2246 | 43'-67' | 0 | EXT | E | CS | 205 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 186-242 | 2247 | 67'-92' | 0 | EXT | E | VS | 171 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 185-242 | 2248 | 92'-116' | 0 | EXT | E | VS | 171 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 220-242 | 2249 | 0'-2' | 0 | EXT | E | AL | 133 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 221-242 | 2250 | 2'-14' | 0 | EXT | E | AL | 133 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 219-242 | 2251 | 14'-36' | 0 | EXT | E | AL | 133 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 218-242 | 2252 | 36'-60' | 0 | EXT | E | AL | 133 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 217-242 | 2253 | 60'-83' | 0 | EXT | E | AL | 133 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 216-242 | 2254 | 83'-106' | 0 | EXT | E | AL | 133 | 9/3/95 | IS | P | NMB |
| 9/1/95 | 188-238-242 | 3846 | 19' | 0 | P 2'X2' | E | CS | 205 | 9/3/95 | IS | P | DDW |
| 9/1/95 | 187-188-242 | 3847 | 43' | 0 | P 1.5'X2' | E | CS | 205 | 9/3/95 | IS | P | DDW |
| 9/5/95 | 241-243 | 1878 | 130'-150' | 0 | P 4'X 20' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 183-184-243 | 1879 | 140' | 0 | P 2'X 3' | E | KC | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 184-185-242 | 1905 | 116' | 0 | P 2'X 3' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 186-242 | 1906 | 84' | 0 | P 2'X 2' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 186-242 | 1907 | 74' | 0 | DS-129 2'X 2' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 216-217-242 | 1908 | 83' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 216-242 | 1909 | 99' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 183-243 | 1917 | 140'-161' | 0 | G 21' | E | KC | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 183-243 | 1918 | 154' | +11' | P 2'X2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 215-242 | 1928 | 106'-130' | 0 | G 24' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 242-243 | 1929 | 0'-22' | 0 | G 22' | E | KC | 133 | 9/6/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/5/95 | 213-243 | 1931 | 150'-164' | 0 | G 14' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 212-243 | 1932 | 170' | +5' | P 1'X 1' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 212-213-243 | 1933 | 164-174 | 0 | P 2'X 10' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 212-243 | 1936 | 174'-199' | 0 | G 25' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 211-243 | 1937 | 199'-211' | 0 | G 12' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 243-244 | 1938 | 0'-22' | 0 | G 22' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 211-244 | 1939 | 211'-225 | 0 | G 14' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 210-211-244 | 1940 | 225' | 0 | P 2'X 3' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 210-244 | 1941 | 225'-247' | 0 | G 22' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 209-244 | 1942 | 247'-270' | 0 | G 23' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 208-209 | 1943 | 340' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 208-244 | 1945 | 270'-295' | 0 | G 25' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 207-208-244 | 1946 | 295' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 182-243 | 1949 | 161'-191' | 0 | G 30' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 181-182-243 | 1950 | 191' | 0 | P 2'X 3' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 181-243 | 1951 | 191'-209' | 0 | G 18' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 180-243 | 1952 | 209'-214' | 0 | G 5' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 180-244 | 1953 | 214'-233' | 0 | G 19' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 179-244 | 1954 | 233'-257' | 0 | G 24' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 178-244 | 1955 | 257'-280' | 0 | G 23' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 178-244 | 1956 | 265' | 0 | DS-130 2'X 5' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 177-244 | 1957 | 280'-303' | 0 | G 23' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 176-177 | 1958 | 232' | 0 | P 2'X 2' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 176-244 | 1960 | 303'-326' | 0 | G 23' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 175-244 | 1962 | 326'-333' | 0 | G 7' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 244-246 | 1963 | 0'-15' | 0 | G 15' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 175-246 | 1964 | 0'-10' | 0 | G 10' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 245-246 | 1965 | 0'-14' | 0 | G 14' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 175-245 | 1966 | 10'-17' | 0 | G 7' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 174-245 | 1967 | 17'-40' | 0 | G 23' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 173-174-245 | 1968 | 40' | 0 | P 2'X 3' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 173-245 | 1969 | 40'-65' | 0 | G 25' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 172-173-245 | 1970 | 65' | 0 | P 2'X 3' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 172-245 | 1971 | 65'-91' | 0 | G 26' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 172-245 | 1972 | 70' | 0 | P 2'X 2' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 172-245 | 1973 | 70' | +3' | P 2'X 2' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 199-245 | 1975 | 87'-91' | 0 | EXT | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 203-245 | 1976 | 61'-87' | 0 | P 2'X 26' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 199-203 | 1977 | 360' | 0 | P 2'X 6' | E | CS | 205 | 9/6/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/5/95 | 203-204 | 1978 | 360' | 0 | P 2'X 10' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 204-245 | 1979 | 37'-56' | 0 | G 19' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 204-245 | 1980 | 40' | +7' | BOOT 4'X 4' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 204-205 | 1981 | 361'-366' | 0 | G 5' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 204-205 | 1982 | 361' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 205-245 | 1983 | 14'-37' | 0 | G 23' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 205-245 | 1984 | 24' | 0 | DS-131 2'X 5' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 206-245 | 1985 | 8'-14' | 0 | P 2'X 6' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 205-206 | 1986 | 354'-360' | 0 | G 6' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 205-206 | 1987 | 354' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 206-246 | 1988 | 0'-8' | 0 | G 8' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 206-244 | 1989 | 319'-330' | 0 | G 11' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 207-244 | 1990 | 295'-319' | 0 | G 24' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 206-207 | 1991 | 354'-360' | 0 | G 6' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 206-207 | 1992 | 354' | 0 | P 2'X 2' | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 204-245 | 3843 | 56'-61' | 0 | P 2'X5' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 172-245 | 3844 | 70' | -2' | EXT | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 182-243 | 3854 | 168' | -7' | P 2'X3' | E | CS | 205 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 184-243 | 3855 | 132'-140' | 0 | EXT | E | KC | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 184-242 | 3856 | 132'-116' | 0 | EXT | E | KC | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 209-208 | 3857 | 340'-END | 0 | EXT | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 176-177 | 3858 | 232'-END | 0 | EXT | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 244-176-175 | 3859 | 326' | 0 | P 2'X2' | E | TT | 171 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 247-248 | 3860 | 221'-245' | 0 | EXT | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 248-251 | 3861 | 245'-235' | 0 | EXT | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 249-251 | 3862 | 0'-13' | 0 | EXT | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/5/95 | 251-6 | 3863 | 235'-255' | 0 | EXT | E | AL | 133 | 9/6/95 | IS | P | JJP |
| 9/8/95 | 248-249-250 | 1993 | 313' | 0 | P 2'X 3' | E | CS | 205 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 248-249-251 | 1994 | 245' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 18-249-251 | 1995 | 225' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 1996 | 245' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 1997 | 232' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 1998 | 232' | +3' | P 3'X 4' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 1999 | 232' | +5' | BOOT 4'X 4' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 248-251 | 2000 | 235' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 6-251 | 2001 | 235' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 6-251 | 2002 | 210' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 6-251 | 2003 | 175' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 6-251 | 2004 | 172' | +3' | P 1'X 1' | E | VS | 171 | 9/9/95 | IS | P | JJP |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/8/95 | 6-251-248 | 2005 | 169' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 2006 | 157' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 2007 | 146' | 0 | DS-132 2'X 5' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 2008 | 97' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 6-7-248 | 2009 | 100' | 0 | P 2'X 3' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 7-248 | 2010 | 86' | 0 | P 2'X2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 2011 | 87' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-248 | 2012 | 87'-97' | 0 | G 10' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2013 | 237' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2014 | 227'-237' | 0 | G 10' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2015 | 227' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2016 | 181' | 0 | DS-134 2'X 5' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2017 | 94' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2018 | 84'-94' | 0 | G 10' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2019 | 84' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2020 | 85' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2021 | 84' | +3' | P 1'X 1' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 247-252 | 2022 | 84' | 0'-3' | G 3' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2023 | 85'-95' | 0 | G 10' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2024 | 95' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2025 | 222' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2026 | 222'-236' | 0 | G 14' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2027 | 236' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2028 | 350' | 0 | P 18'-8' | E | CS | 205 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2029 | 350' | -5' | P 1'X 1' | E | CS | 205 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2030 | 350' | 0'-5' | G 5' | E | CS | 205 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2031 | 234' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2032 | 220'-234' | 0 | G 14' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2033 | 220' | 0 | P 2'X 2' | E | VS | 171 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 252-253 | 2034 | 04' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2037 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2039 | 86'-96' | 0 | G 10' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 253-254 | 2040 | 86' | 0 | P 2'X 2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 18-249 | 3848 | 40' | 0 | P 2'X4.5'DS 133 | E | VS | 171 | 9/9/95 | IS | P | DDW |
| 9/8/95 | 252-253 | 3849 | 300' | 0 | P 2'X5' DS 135 | E | VS | 171 | 9/9/95 | IS | P | DDW |
| 9/8/95 | 248-7 | 3864 | 88' | +1' | P 1'X2' | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/8/95 | 248-7 | 3865 | 100'-86' | 0 | EXT. | E | AL | 133 | 9/9/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2035 | 216' | +10' | P 2'X 2' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2036 | 216' | +5' | BOOT 4'X 4' | E | VS | 274 | 9/11/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/9/95 | 254-255 | 2041 | 84' | +5' | BOOT 4'X 4' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2042 | 84' | 0 | P 2'X 2' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2043 | 84'-96' | 0 | G 12' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2044 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2045 | 50' | 0 | DS-136 2'X 5' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2046 | 216' | 0 | P 2'X 2' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2047 | 216'-231' | 0 | G 15' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2048 | 231' | 0 | P 2'X 2' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2049 | 345' | 0 | P 2'X 2' | E | CS | 205 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2050 | 345'-357' | 0 | G 12' | E | CS | 205 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 2051 | 357' | 0 | P 2'X 2' | E | CS | 205 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2052 | 215' | 0 | P 2'X 2' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2054 | 215'-227' | 0 | G 12' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2055 | 227' | 0 | P 2'X 2' | E | VS | 274 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2056 | 337' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2057 | 337'-351' | 0 | G 14' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2058 | 351' | 0 | P 2'X 3' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 255-256 | 2059 | 370' | 0 | DS-137 2'X 5' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 256-257 | 2060 | 348' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 256-257 | 2061 | 335' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 257-258 | 2062 | 325' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 257-258 | 2063 | 338' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 258-259 | 3866 | 321'-334' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 258-259 | 3867 | 89' | 0 | P 2'X2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 258-259 | 3868 | 89'-77' | 0 | EXT | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 258-259 | 3869 | 77' | 0 | P 2'X9' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 258-257 | 3870 | 79'-84' | -2' | EXT. | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 257-258 | 3871 | 338'-325' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 256-257 | 3872 | 335'-348' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 3873 | 216' | +3' | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 255-254 | 3874 | 216' | +7' | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/9/95 | 255-254 | 3875 | 90' | -1' | EXT | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 255-254 | 3876 | 90' | -2' | P 2'X1.5' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 255-254 | 3878 | 84' | -3' | EXT | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/9/95 | 254-255 | 3879 | 77' | -2' | P 1'X1' | E | AL | 133 | 9/11/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2064 | 334' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2065 | 321' | 0 | P 2'X 3' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2066 | 316' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2067 | 329' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/11/95 | 259-260 | 2068 | 290' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2069 | 295' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2070 | 350' | 0 | DS-141 2'X 5' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2071 | 235' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2072 | 212' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2073 | 212' | +3' | P 1'X 1' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2074 | 199'-212' | 0 | G 13' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2075 | 199' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2076 | 203' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2077 | 203'-217' | 0 | G 14' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2078 | 217' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2079 | 223' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2080 | 210'-223' | 0 | G 13' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2081 | 210' | 0 | P 2'X 3' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2082 | 179' | 0 | DS-138 2'X 5' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 255-256 | 2083 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 255-256 | 2084 | 86'-96' | 0 | G 10' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 255-256 | 2085 | 86' | 0 | P 2'X 3' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2086 | 82' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2087 | 82'-96' | 0 | G 14' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 256-257 | 2088 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2089 | 90' | 0 | P 2'X 3' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2090 | 79'-90 | 0 | G 11' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2091 | 84' | -5' | P 1'X 1' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2092 | 79' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 258-259 | 2093 | 50' | 0 | DS-140 2'X 5' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 257-258 | 2094 | 250' | 0 | DS-139 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2095 | 74' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2096 | 74'-85' | 0 | G 11' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2097 | 85' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2098 | 194'-207' | 0 | G 13' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2099 | 194' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 2100 | 207' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2101 | 73' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2102 | 73'-84' | 0 | G 11' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2103 | 78' | +3' | P 1'X 1' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2104 | 84' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2105 | 76'-87' | 0 | G 11' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2106 | 76' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/11/95 | 261-262 | 2107 | 87' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2108 | 101' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2109 | 193' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2110 | 193'-204' | 0 | G 11' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2111 | 204' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2112 | 192' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2113 | 192'-205' | 0 | G 13' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2114 | 205' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2115 | 314'-326' | 0 | G 12' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2116 | 314' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 260-261 | 2117 | 326' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2118 | 325' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2119 | 311'-325' | 0 | G 14' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2120 | 311' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2121 | 360' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2122 | 390' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2123 | 390' | 0'-22' | G 22' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 261-262 | 2124 | 390' | -14' | P 1'X 1' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2125 | 383' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2126 | 390' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2127 | 395' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2137 | 308' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2138 | 308'-320' | 0 | G 12' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2139 | 320' | 0 | P 2'X 2' | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2140 | 189' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2141 | 196' | +4' | P 1'X 1' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2142 | 200' | 0 | P 2'X 2' | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2166 | 77' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2167 | 77'-88' | 0 | G 11' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2168 | 82' | -5' | P 1'X 1' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2169 | 77'-82' | 0'-5' | G 5' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2170 | 88' | 0 | P 2'X 2' | E | AL | 133 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 2268 | 230 | 0 | P 1.5X1.5 | E | VS | 274 | 9/12/95 | IS | P | NMB |
| 9/11/95 | 261-262 | 2269 | 225 | 0 | P 2X4 DS-143 | E | VS | 274 | 9/12/95 | IS | P | NMB |
| 9/11/95 | 260-261 | 2270 | 125 | 0 | P 2X4 DS-142 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/11/95 | 262-263 | 3881 | 50' | 0 | P 2'X4' DS 144 | E | AL | 133 | 9/14/95 | IS | P | DWW |
| 9/11/95 | 262-263 | 4328 | 389'-395' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 4329 | 383'-389' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 262-263 | 4330 | 189'-200' | 0 | EXT | E | VS | 274 | 9/12/95 | IS | P | JJP |

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INTERIM REMEDIAL PROGRAM
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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/11/95 | 263-262 | 4331 | 196' | +2' | EXT | E | VS | 274 | 9/12/95 | IS | P | JJP |
| 9/11/95 | 259-260 | 4332 | 316'-329' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2131 | 386' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2132 | 386'-398' | 0 | G 12' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2133 | 398' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2143 | 200' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2144 | 200' | -6' | P 1'X 1' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2145 | 188'-200' | 0 | G 12' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2146 | 188' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2147 | 80' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2148 | 80'-94' | 0 | G 14' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2149 | 94' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2150 | 94' | -5' | G 5' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2151 | 94' | -5' | P 1'X 1' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2152 | 98' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2153 | 84'-98' | 0 | G 14' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2154 | 84' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2155 | 84' | +3' | G 3' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2156 | 84' | +3' | P 1'X 1' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2157 | 85' | 0 | P 2'X 2 | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2158 | 85'-96' | 0 | G 11 | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2159 | 90' | -4' | P 1'X 1' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 2160 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 267-268 | 2161 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 267-268 | 2162 | 85'-96' | 0 | G 11' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 267-268 | 2163 | 85' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 268-269 | 2164 | 77'-96' | 0 | G 19' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 268-269 | 2165 | 96' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2171 | 184' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2172 | 184'-196' | 0 | G 12' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2173 | 196' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2174 | 196' | -5' | G 5' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2175 | 196' | -5' | P 1'X 1' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2176 | 203' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2177 | 186'-203' | 0 | G 17' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 2178 | 309' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-265-266 | 2179 | 315' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-265 | 2180 | 321' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-265 | 2181 | 319' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/12/95 | 263-265-266 | 2182 | 315' | 0 | P 3'X 3' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-266 | 2183 | 308' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2184 | 327' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2185 | 308'-327' | 0 | G 19' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2186 | 308' | 0 | P 2'X 2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2187 | 300' | +4' | BOOT 4'X 4' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-266-267 | 2188 | 290 | 0 | P 3'X 3' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 2189 | 186' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 267-268 | 2190 | 193' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 267-268 | 2191 | 193'-203' | 0 | G 10' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 267-268 | 2192 | 203' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-268 | 2193 | 192' | 0 | P 2'X 3' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-268 | 2194 | 192'-202' | 0 | G 10 | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-268 | 2195 | 202' | 0 | P 2'X 2' | E | VS | 274 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-269 | 2198 | 92' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-269 | 2199 | 80'-92' | 0 | G 12' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-269 | 2200 | 80' | 0 | P 2'X 2' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 268-269-270 | 2201 | 77' | 0 | P 3'X 3' | E | AL | 133 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 263-268 | 2255 | 148 | 0 | P 2X2 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-269 | 2256 | 105 | 0 | P 4X2 DS-145 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-267-268 | 2257 | 220 | 0 | P 2X2 | E | VS | 274 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 264-265 | 2258 | 333 | 0 | P 2X2 | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 264-265 | 2259 | 343 | 0 | P 2X2 | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-264-265 | 2260 | 356 | 0 | P 2X2 | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 265-266 | 2261 | 0'-16' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-266 | 2262 | 308'-315' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-265 | 2263 | 315'-319' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-264 | 2264 | 380 | 0 | P 2X1,5 | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-264 | 2265 | 380'-391' | 0 | EXT | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 263-264 | 2266 | 391 | 0 | P 2X1.5 | E | CS | 205 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 269-270-271 | 2271 | 13 | 0 | P 2X2 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 268-270-271 | 2272 | 12 | 0 | P 2X1.5 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 268-271 | 2273 | 10'-12' | 0 | EXT | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 268-271 | 2274 | 0'-10' | 0 | C 2X10 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 267-268-272 | 2275 | 8 | 0 | P 1X1.5 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 268-272 | 2276 | 0'-8' | 0 | EXT | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 267-272 | 2277 | 6 | 0 | P 2X2 | E | AL | 133 | 9/12/95 | IS | P | NMB |
| 9/12/95 | 19-20-284 | 3819 | 94' | 0 | P 1½2' | E | AL | 133 | 9/12/95 | IS | P | DDW |
| 9/12/95 | 30-31-284 | 3820 | 50' | 0 | P 2'X1' | E | AL | 133 | 9/12/95 | IS | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/12/95 | 190-264 | 3850 | 263' | 0 | P 2'X4' DS 147 | E | CS | 205 | 9/13/95 | IS | P | DDW |
| 9/12/95 | 263-265 | 3851 | 330' | 0 | P 2'X4' DS 148 | E | CS | 205 | 9/13/95 | IS | P | DDW |
| 9/12/95 | 264-265 | 3852 | 333' | 0 | P 2'X1' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-265 | 3853 | 343' | 0 | P 2'X2' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 3882 | 186' | +1' | EXT | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 190-264 | 3888 | 186' | +2' | P 1.5'X1.5' | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 3890 | 309'-315' | 0 | EXT | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 3891 | 315'-321' | 0 | EXT. | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 266-267 | 3945 | 88' | -2' | EXT | E | CS | 205 | 9/13/95 | IS | P | JJP |
| 9/12/95 | 264-266 | 4858 | 50' | 0 | DS-146 2'X 5' | E | AL | 133 | 9/13/95 | IS | P | RI |
| 9/13/95 | 193-194-273 | 2202 | 89 | 0 | p 2X2 | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 194-195-273 | 2203 | 67 | 0 | P 2X2 | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 195-196-273 | 2204 | 44 | 0 | P 2X2 | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 196-197-273 | 2205 | 22 | 0 | P 2X2 | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 197-198-273 | 2206 | 2 | 0 | P 2X2 | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 198-273 | 2207 | 0'-2' | 0 | EXT | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 198-273 | 2208 | 2 | -2' | P 2X2 | E | CS | 205 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 198-273-279 | 2209 | 16 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 171-273-279 | 2210 | 17 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 170-171-274 | 2211 | 16 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 170-274 | 2212 | 6 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 169-170 | 2213 | 21 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 171-172-245 | 2214 | 89 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 198-199-279 | 2215 | 2 | 0 | P 1.5X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 199-245-279 | 2216 | 91 | 0 | P 2X2 | E | AL | 133 | 9/15/95 | IS | P | JJP |
| 9/13/95 | 190-273 | 2225 | 155-176 | 0 | P 2'X 21' | E | CS | 205 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 191-192-273 | 2226 | 133' | 0 | P 3'X 3' | E | CS | 205 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 169-275 | 2227 | 0-20' | 0 | G 20' | E | AL | 133 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 168-275 | 2228 | 0-18' | 0 | G 18' | E | AL | 133 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 167-275 | 2229 | 18'-38' | 0 | G 20' | E | AL | 133 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 167-275 | 2230 | 36' | -5' | P 1'X 1' | E | AL | 133 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 167-275-276 | 2231 | 38' | 0 | P 3'X 3' | E | AL | 133 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 167-276 | 2232 | 0-10' | 0 | G 10' | E | AL | 133 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 165-167-276 | 2233 | 7' | 0 | P 3'X 3' | E | TT | 171 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 164-276 | 2234 | 13'-33' | 0 | G 10' | E | TT | 171 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 163-276 | 2235 | 33'-58' | 0 | G 25' | E | TT | 171 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 162-277 | 2236 | 58'-80' | 0 | G 22' | E | TT | 171 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 161-277 | 2237 | 80'-101' | 0 | G 21' | E | TT | 171 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 160-278 | 2238 | 101'-123' | 0 | G 22' | E | TT | 171 | 9/14/95 | IS | P | JJP |

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GEOMEMBRANE REPAIR LOG

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/13/95 | 263-273 | 2239 | 0-22' | 0 | G 22' | E | CS | 205 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 263-274 | 2240 | 0-8' | 0 | G 8' | E | CS | 205 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 191-273 | 2241 | 133-155 | 0 | G 22' | E | CS | 205 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 192-273 | 2242 | 110-133 | 0 | G 23' | E | CS | 205 | 9/14/95 | IS | P | JJP |
| 9/13/95 | 274-275 | 2279 | 75 | 0 | P 2X4 DS-149 | E | CS | 205 | 9/13/95 | IS | P | NMB |
| 9/13/95 | 159-278-160 | 3794 | 123' | 0 | P 1.5'X2' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 275-277-278 | 3795 | 139' | 0 | P 1.5'X1.5' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 160-277-278 | 3796 | 101' | 0 | P 2'X3' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 161-277 | 3797 | 99' | -2' | P 1'X1.5' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 161-277 | 3798 | 85' | -3' | P 1'X1' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 161-162-277 | 3799 | 80' | 0 | P 1.5'X1' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 162-277 | 3800 | 63' | -2' | P 1'X2' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 275-276-277 | 3801 | 96' | 0 | P 2'X2' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 162-276-277 | 3802 | 58' | 0 | P 1'X2' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 162-163 | 3803 | 300' | 0 | P 2'X2' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 163-276 | 3804 | 50' | -1' | P 1'X1' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 163-164-276 | 3805 | 33' | 0 | P 2'X1' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 192-193-273 | 3806 | 110' | 0 | P 1.5'X1' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 190-263-273 | 3807 | 176' | 0 | P 2'X2' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 190-191-273 | 3808 | 155' | 0 | P 1.5'X2' | E | CS | 205 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 273-274 | 3809 | 146' | -4' | BOOT 3'X4' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 273-274 | 3810 | 142' | 0 | P 2'X9' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 273-274 | 3811 | 137' | +2' | EXT | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 273-274 | 3812 | 137' | +5' | P 1'X1' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 263-273-274 | 3813 | 21' | 0 | P 1'X2' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 262-263-280 | 3814 | 8' | 0 | P 2'X1.5' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 169-275 | 3815 | 4' | -2' | P 1'X1' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 169-275 | 3816 | 14' | -3' | P 1.5'X2' | E | AL | 133 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 164-165-276 | 3817 | 13' | 0 | P 1'X2' | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 165-276 | 3818 | 7'-13' | 0 | EXT | E | TT | 171 | 9/14/95 | IS | P | DDW |
| 9/13/95 | 168-169-275 | 3877 | 20' | 0 | P2'X2' | E | AL | 133 | 9/14/95 | IS | P | DWW |
| 9/13/95 | 169-274-275 | 3880 | 35' | 0 | P 2.5'X2' | E | AL | 133 | 9/14/95 | IS | P | DWW |
| 9/15/95 | 275-281 | 2217 | 169'-182' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 278-281 | 2218 | 0'-10' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 275-280 | 2219 | 0'-37' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 275-280S | 2220 | 0'-8' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 274-280 | 2221 | 0'-14' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 263-280 | 2222 | 0'-8' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 262-280 | 2223 | 8'-36' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/15/95 | 274-275 | 2224 | 172 | 0 | P 2'X1.5 | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/15/95 | 281-159 | 3792 | 0'-4' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | DDW |
| 9/15/95 | 281-159E | 3793 | 10'-26' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | DDW |
| 9/15/95 | 158-281 | 4327 | 0'-8' | 0 | EXT | E | TT | 171 | 9/15/95 | IS | P | JJP |
| 9/16/95 | 282-283 | 2930 | 46' | 0 | P 1.5'X2' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 74-283-285 | 2931 | 189' | 0 | P 2'X5' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 74-285 | 2932 | 189'-219' | 0 | EXT | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 74-285 | 2933 | 219' | 0 | P 1.5'X6' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 74-285 | 2934 | 0-10' | 0 | EXT | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 283-285 | 2935 | 32' | 0 | P 2'X1.5' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 74-283 | 2936 | 32'-33' | 0 | EXT | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 283R2937 | 2938 | 32'-45' | -3' | P 3'X13' | E | AL | 171 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 282-283 | 2940 | 109' | 0 | P 1.5'X1.5' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 282-283 | 2941 | 109'-124' | 0 | EXT | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 282-283 | 2942 | 119' | -3' | EXT | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 282-283 | 2943 | 119' | -6' | P 1.5'X1.5' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 282-283 | 2944 | 123'-124' | -7' | EXT | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 282-283 | 2945 | 123' | -7' | P 1'X1' | E | AL | 133 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 284-74 | 2960 | 100' | 0 | P 1.5'X4' | E | VS | 274 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 74-286 | 2961 | 100'-142' | 0 | EXT | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 284-286 | 2962 | 0'-34' | 0 | EXT | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 284R2965 | 2966 | 150' | +6' | P 10'X3.5' | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 284-286-31 | 2967 | 34' | 0 | P 1.5'X1.5' | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 31-286 | 2968 | 0'-10' | 0 | EXT | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 31-284 | 2969 | 34'-50' | 0 | EXT | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 30-284 | 2970 | 50'-55' | 0 | EXT | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/16/95 | 30-284 | 2971 | 55'-72' | +1' | C 4'X17' | E | CS | 205 | 9/16/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2914 | 0'-20' | 0 | EXT | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2915 | 20' | 0 | P 2'X2' | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 74-282 | 2916 | 0'-20' | 0 | EXT | E | AL | 133 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2917 | 96' | 0 | P 6'X7' | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2918 | 96-106' | 0 | EXT | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2919 | 106' | 0 | P 1.5'X1.5' | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 287-282 | 2920 | 222' | 0 | P 2'X1.5' | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2921 | 222'-232' | 0 | EXT | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2922 | 232' | 0 | P 2'X2' | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2923 | 298' | 0 | P 1.5'X3' | E | AL | 171 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2924 | 336' | 0 | P 2'X1.5' | E | CS | 205 | 9/22/95 | IS | P | DDW |
| 9/21/95 | 282-287 | 2925 | 336'-351' | 0 | EXT | E | CS | 205 | 9/22/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/21/95 | 282-287 | 2926 | 351' | 0 | P 2.5'X5' | E | CS | 205 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 282-287 | 2927 | 351'-348' | -3' | EXT | E | CS | 205 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 282-287 | 2928 | 348' | -6' | P 2'X3' | E | CS | 205 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 282-287 | 2929 | 375' | 0 | P 2'X4' DS 151 | E | CS | 205 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 282-283 | 2947 | 128'-239' | +10' | P 4'X111' | E | AL | 171 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 283-284 | 2973 | 200' | 0 | P 2'X4' DS 150 | E | CS | 205 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 283-282 | 2979 | 299' | +3' | BOOT 4'X3' | E | KS | 205 | 9/22/95 | TL | P | DDW |
| 9/21/95 | 74-282 | 4847 | 91'-109' | 0 | EXT | E | AL | 133 | 9/22/95 | IS | P | DDW |
| 9/28/95 | 137-291 | 2280 | 3' | 0 | G 3' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 138-291 | 2281 | 3'-26' | 0 | G 23' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 132-292 | 2282 | 26'-50' | 0 | G 24' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 131-132-291 | 2283 | 50' | 0 | P 2'X 2' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 131-293 | 2284 | 50'-74' | 0 | G 24' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 120-131-293 | 2285 | 74' | 0 | P 2'X 7' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 120-296 | 2286 | 74'-106' | 0 | G 32' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 120-121-296 | 2287 | 106' | 0 | P 3'X 4' | E | KS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 121-122-295 | 2288 | 122' | 0 | P 2'X 2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 121-122 | 2289 | 227' | -3' | P 1'X 1' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297-300 | 2290 | 7' | 0 | P 2'X 2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-296 | 2291 | 0'-35' | 0 | C 3'X 35' | F | KO | 1155 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-298 | 2292 | 35'-56' | 0 | C 3'X 21' | F | KO | 1155 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2293 | 56'-96' | 0 | C 3'X 40' | F | KO | 1155 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2294 | 128' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2295 | 128'-138' | 0 | G 10' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2296 | 116' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 265-297 | 2297 | 116'-124' | 0 | G 8' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2298 | 105' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2299 | 105'-115' | 0 | G 10' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 293-294 | 2300 | 87' | -8' | P 1'X 1' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 290-294 | 2301 | 80' | 0'-8' | G 8' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 290-293-294 | 2302 | 76' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 290-294 | 2303 | 88' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 290-294 | 2304 | 88'-98' | 0 | G 10' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 289-290 | 2305 | 74' | 0 | P 3'X 3' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 289-290 | 2306 | 67'-74' | 0 | G 7' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 289-290-292 | 2307 | 67' | 0 | P 3'X 3' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 288-289-291 | 2308 | 57' | 0 | P 3'X 3' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 291-292 | 2309 | 30' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 288-289 | 2310 | 70' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/28/95 | 290-294 | 2311 | 98' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2312 | 115' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2313 | 124' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2314 | 138' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2315 | 231' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2316 | 231' | -3' | G 3' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2317 | 231' | -3' | P 1'X 1' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2318 | 231'-241' | 0 | G 10' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 297-299 | 2319 | 241' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2320 | 226' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2321 | 216'-226' | 0 | G 10' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2322 | 226' | -3' | G 3' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2323 | 226' | -3' | P 1'X 1' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 295-297 | 2324 | 216' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2325 | 203' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2326 | 203'-224' | 0 | G 21' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 294-295 | 2327 | 208' | +4' | P 4'X 8' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 289-290 | 2328 | 157' | 0 | P 2'X 7' | E | LK | 171 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 288-289 | 2329 | 119' | 0 | P 2'X 2' | E | LK | 171 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 290-293 | 2330 | 60' | 0 | DS-152 2'X 5' | E | KC | 133 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 293-294 | 2331 | 46' | -5' | BOOT 5'X 5' | E | KEO | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 293-294 | 2332 | 46' | 0 | P 2'X 2' | E | KEO | 205 | 9/29/95 | IS | P | JJP |
| 9/28/95 | 132-138-291 | 3821 | 27' | 0 | P 2'X2' | E | CS | 205 | 9/29/95 | IS | P | DDW |
| 9/28/95 | 121-295 | 3822 | 111' | 0 | P 1'X1.5' | E | AL | 133 | 9/29/95 | IS | P | DDW |
| 9/28/95 | 297-299-301 | 3824 | 43' | 0 | P 1'X1' | E | VS | 274 | 9/29/95 | IS | P | DDW |
| 9/28/95 | 293-294 | 3883 | 46' | -2' | EXT. | E | KS | 205 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 293-294 | 3884 | 41'-46' | 0 | EXT. | E | KS | 205 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 294-295 | 3885 | 208' | -1' | EXT. | E | AL | 133 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 294-295 | 3886 | 208' | -3' | P 1.5'X1' | E | AL | 133 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 121-296 | 3887 | 98'-101' | 0 | EXT. | E | CS | 205 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 295-300 | 3889 | 0'-7' | 0 | EXT. | E | CS | 205 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 308-310 | 3892 | 260' | 0 | P 2'X2' | E | CS | 205 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 308-310 | 3893 | 260 | -2' | EXT. | E | CS | 205 | 9/29/95 | IS | P | DWW |
| 9/28/95 | 290-294 | 4333 | 88'-76' | 0 | EXT | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 293-294-298 | 2333 | 41' | 0 | P 2'X 2' | E | KC | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 294-295-298 | 2334 | 56' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 295-296-298 | 2335 | 35' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 293-296-298 | 2336 | 20' | 0 | P 2'X 2' | E | KC | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 121-295-296 | 2337 | 106' | 0 | P 2'X 4' | E | AL | 133 | 9/29/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/29/95 | 121-122 | 2338 | 328' | +2' | P 2'X 3' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 121-122 | 2339 | 326' | +3' | P 1'X 1' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 121-122 | 2340 | 325' | +6' | P 1'X 1' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 122-295-300 | 2341 | 130' | 0 | P 2'X 2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 297-300-301 | 2342 | 20' | 0 | P 2'X2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 122-125-300 | 2343 | 145' | 0 | P 2'X 2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 125-300-301 | 2344 | 155'-177' | 0 | P 5'X 22' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 126-301-304 | 2345 | 7' | 0 | C 2'X 7' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-301-304 | 2346 | 49' | 0 | P 2'X 2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-304 | 2347 | 75' | 0 | DS-154 2'X 5' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302-304 | 2348 | 103' | 0 | P 2'X 2' | E | CS | 205 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302 | 2349 | 133' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302 | 2350 | 133'-145' | 0 | G 12' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302 | 2351 | 145' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2352 | 148' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2353 | 134'-148' | 0 | G 14' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2354 | 134' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303-304 | 2355 | 105' | 0 | P 2'X 2' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 303-304-305 | 2356 | 90' | 0 | P 2'X 3' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302 | 2359 | 251' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302 | 2360 | 239'-251' | 0 | G 12' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 299-302 | 2361 | 239' | 0 | P 2'X 3' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2362 | 243' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2363 | 243'-253' | 0 | G 10' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2364 | 253' | 0 | P 2'X 2' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2365 | 241' | -4' | P 1'X1' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 302-303 | 2366 | 175' | 0 | DS-155 2'X 5' | E | AL | 133 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 297-299 | 2367 | 150' | 0 | DS-153 2'X 5' | E | VS | 274 | 9/29/95 | IS | P | JJP |
| 9/29/95 | 126-304 | 3823 | 177'-190' | 0 | EXT | E | CS | 205 | 9/29/95 | IS | P | DDW |
| 9/29/95 | 305-306 | 2358 | 5' | 0 | DS-156 2'X 5' | E | AL | 133 | 9/29/95 | IS | P | RI |
| 9/30/95 | 303-307 | 2357 | 252' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 303-307 | 2368 | 242' | 0 | P 2'X 2' | E | KC | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2369 | 238' | 0 | DS-157 2'X 5' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2370 | 253' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2371 | 253'-264' | 0 | G 11' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2372 | 264' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 303-307 | 2373 | 258' | -7' | BOOT 4'X 4' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2374 | 270' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2375 | 260'-270' | 0 | G 10' | E | AL | 133 | 9/30/95 | IS | P | JJP |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/30/95 | 308-310 | 2376 | 255' | 0 | BOOT 2'X7' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2377 | 260' | -6' | P 1'X 1' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2378 | 266' | 0 | P 2'X 1' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2379 | 266'-276' | 0 | G 10' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2380 | 276' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2381 | 290' | 0 | DS-159 2'X 5' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2382 | 283' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2383 | 273'-283' | 0 | G 10' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2384 | 273' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2385 | 285' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2386 | 285'-295' | 0 | G 10' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2387 | 295' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2388 | 293' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2389 | 283'-293' | 0 | G 10' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2390 | 293' | 0 | P 2'X 2' | E | AL | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2391 | 173' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2392 | 170' | -2' | P 1'X 1' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2393 | 161'-173' | 0 | G 12' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2394 | 164' | -2' | P 1'X 1' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2395 | 161' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2396 | 150' | 0 | BOOT 4'X 4' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2397 | 150'-173' | 0 | G 23' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2398 | 130' | 0 | DS-160 2'X 4' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2399 | 136' | -5' | P 1'X 1' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2400 | 173' | 0 | P 2'X 4' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2401 | 166' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2402 | 154'-166' | 0 | G 12' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-313 | 2403 | 154' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2404 | 147' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2405 | 147'-158' | 0 | G 11' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2406 | 158' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2407 | 156' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2408 | 146'-156' | 0 | G 10' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2409 | 146' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-311 | 2410 | 145' | -4' | P 1'X 1' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2411 | 142' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2412 | 142'-155' | 0 | G 13' | E | VS | 133 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 307-308 | 2413 | 155' | 0 | P 2'X 3' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 303-307 | 2414 | 144' | 0 | P 2'X 2' | E | VS | 274 | 9/30/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/30/95 | 303-307 | 2415 | 134'-144' | 0 | G 10' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 303-307 | 2416 | 134' | 0 | P 2'X 3' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 303-305-307 | 2417 | 91' | 0 | P 2'X 3' | E | KEO | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 305-306-307 | 2418 | 63' | 0 | P 2'X 3' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 206-307-308 | 2419 | 70' | 0 | P 2'X 3' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-310 | 2420 | 100' | 0 | DS-158 2'X 5' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 308-309-310 | 2421 | 20' | 0 | P 2'X 3' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 309-310-312 | 2422 | 27' | 0 | P 2'X 3' | E | KEO | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311-312 | 2423 | 73' | 0 | P 3'X 3' | E | KEO | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 310-311 | 2424 | 100' | 0 | P 2'X 2' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 311-312-313 | 2425 | 70' | 0 | P 2'X 2' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2426 | 46' | 0 | P 2'X 2' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2427 | 46'-54' | 0'-10' | P 9'X10' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2428 | 54'-65' | 0 | G 9' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 2429 | 65' | -4' | BOOT 4'X 4' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2430 | 59' | 0 | P 2'X 2' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2431 | 47'-59' | 0 | G 12' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2432 | 47' | 0 | P 2'X 2' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 314-315 | 2433 | 5' | 0 | DS-161 2'X 5' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 4334 | 65' | 0 | P 2'X1.5' | E | CS | 205 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 4335 | 167' | -1' | EXT | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 313-314 | 4336 | 167' | -2' | P 1.5'X2' | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 315-314 | 4337 | 170' | -1' | EXT | E | VS | 274 | 9/30/95 | IS | P | JJP |
| 9/30/95 | 303-307 | 4848 | 242'-252' | 0 | G 10' | E | AL | 133 | 9/30/95 | IS | P | RI |
| 10/2/95 | 315-316 | 2434 | 47' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2435 | 47'-60' | 0 | G 13' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2436 | 60' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-321 | 2437 | 54' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-321 | 2438 | 54'-75' | 0 | G 21' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-321 | 2439 | 75' | 0 | BOOT 4'X 4' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 318-321 | 2440 | 72' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 318-321 | 2441 | 60'-72' | 0 | G 12' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 318-321 | 2442 | 60' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2443 | 60' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2444 | 65' | -2' | P 1'X 1' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2445 | 60'-74' | 0 | G 14' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2446 | 74' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2447 | 64' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2448 | 64'-74' | 0 | G 12' | E | CS | 205 | 10/3/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/2/95 | 317-323 | 2449 | 74' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2450 | 50' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318-320 | 2451 | 32' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 318-320-321 | 2452 | 31' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-321 | 2453 | 31' | -10' | BOOT 4'X 4' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-321-322 | 2454 | 31' | 0 | P 2'X 2' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 321-322 | 2455 | 21' | 0 | DS-162 2'X 5' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 321-322 | 2456 | 5' | +2' | P 1'X 1' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2457 | 91' | 0 | DS-164 2'X 5' | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 318-321 | 2458 | 136' | 0 | P 2'X 3' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318-321 | 2459 | 147' | 0 | P 2'X 3' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2460 | 163' | 0 | P 2'X 4' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2461 | 163' | -18' | G 18' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2462 | 163' | -18' | P 1'X 1' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318 | 2463 | 172' | +2' | EXT | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318 | 2464 | 172' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2467 | 163'-176' | 0 | G 13' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2468 | 176' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2469 | 174' | -3' | P 1'X 1' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318 | 2470 | 172'-183' | 0 | G 11' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318 | 2471 | 183' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2472 | 194' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2473 | 182'-194' | 0 | G 12' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 2474 | 182' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2475 | 188' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2476 | 188'-198' | 0 | G 10' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2477 | 198' | 0 | P 2'X 2' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318 | 2478 | 234' | 0 | DS-163 2'X 5' | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318-319 | 2479 | 250' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318-319 | 2480 | 255' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-317-319 | 2481 | 291' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-317-319 | 2482 | 291' | +7' | G 7' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-317-319 | 2483 | 291' | +7' | P 1'X 1' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2484 | 285' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2485 | 285'-295' | 0 | G 10' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2486 | 291' | -3' | P 1'X 1' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 2487 | 295' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-317 | 2488 | 291'-310 | 0 | G 19' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-317 | 2489 | 308' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/2/95 | 317-323 | 2490 | 299' | 0 | P 2'X 2' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2491 | 299'-310' | 0 | G 11' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-323 | 2492 | 310' | 0 | P 2'X 6' | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 4338 | 174' | -1' | EXT | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 315-316 | 4339 | 295' | -1' | EXT | E | AL | 133 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 316-318 | 4340 | 141'-172' | 0 | EXT | E | VS | 171 | 10/3/95 | IS | P | JJP |
| 10/2/95 | 317-318 | 4341 | 74' | -1' | EXT | E | CS | 205 | 10/3/95 | IS | P | JJP |
| 10/3/95 | 323-324 | 2493 | 63' | 0 | P 2X2 | E | CS | 205 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 323-324 | 2494 | 65'-76' | 0 | EXT | E | CS | 205 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 323-324 | 2495 | 76' | 0 | P 2X1.5 | E | CS | 205 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 323-324 | 2496 | 102' | 0 | P 4X2 DS-166 | E | CS | 205 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 323-324 | 2497 | 191' | 0 | P 1.5X2 | E | VS | 171 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 323-324 | 2498 | 191'-205' | 0 | EXT | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 323-324 | 2499 | 205' | 0 | P 1.5X2.5 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2500 | 206' | 0 | P 1.5X2 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2501 | 206'-181' | 0 | EXT | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2502 | 180' | -6' | BOOT 7X4 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2503 | 175' | +4' | G 8.5 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2504 | 172' | +6' | P 1X1 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2505 | 87' | 0 | P 2.5X2 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2506 | 87'-70' | 0 | EXT | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2507 | 70' | 0 | P 1.5X1.5 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2508 | 38' | -4' | P 1.5X1 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2509 | 29' | -3' | P 1X1 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2510 | 29' | 0 | P 2X1.5 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2511 | 68' | 0 | P 1.5X1.5 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2512 | 8'-85' | 0 | EXT | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2513 | 85' | 0 | P 2X2 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2514 | 195' | 0 | P 1.5X1.5 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2515 | 196' | +3' | P 1X1 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2516 | 195'-206' | 0 | EXT | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2517 | 206' | 0 | P 1.5X2.5 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2518 | 202' | 0 | P 2X3.5 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2519 | 202'-192' | 0 | EXT | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2520 | 192' | 0 | P 2X1.5 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2521 | 111' | 0 | P 1.5X1.5 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2522 | 84' | 0 | P 2X2 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2523 | 84'-72' | 0 | EXT | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2524 | 72' | 0 | P 2X1.5 | E | CS | 205 | 10/4/95 | IS | P | NMB |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/3/95 | 326-327 | 2525 | 31' | +2' | BOOT 5X5 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2526 | 17' | 0 | P 4X2 DS-168 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2527 | 72' | 0 | P 1.5X1.5 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2528 | 72'-83' | 0 | EXT | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2529 | 83' | 0 | P 2X2 | E | CS | 205 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2530 | 190' | 0 | P 3X2 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2531 | 190'-200' | 0 | EXT | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2532 | 200' | +1.5' | P 2X4 | E | VS | 171 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 323-324 | 2533 | 294' | 0 | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 323-324 | 2534 | 304' | 0 | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 323-324 | 2535 | 304'-316' | 0 | EXT | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 323-324 | 2536 | 316' | 0 | P 1.5X2 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2537 | 317' | 0 | P 2X2 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2538 | 317'-304' | 0 | EXT | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 324-325 | 2539 | 304' | 0 | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2540 | 320' | 0 | P 1.5X2 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2541 | 320'-310' | 0 | EXT | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2542 | 310' | 0 | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 325-326 | 2543 | 280' | 0 | P 4X2 DS-167 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2544 | 308' | 0 | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2545 | 308'-318' | 0 | EXT | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2546 | 318' | 0 | P 3X2.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 326-327 | 2547 | 311' | -1' | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2548 | 316' | 0 | P 2X2 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2549 | 316'-306' | 0 | EXT | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2550 | 306' | 0 | P 1.5X1.5 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2551 | 306' | -2' | P 1X1 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 327-328 | 2552 | 261' | 0 | P 4X2 DS-169 | E | AL | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 317-323 | 2553 | 329' | -1.5' | P 1.5X1.5 | E | KC | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 317-323 | 2554 | 332' | -1' | P 1.5X2 | E | KC | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 317-323 | 2555 | 343' | 0 | P 4X2 DS-165 | E | KC | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 323-324 | 2556 | 345' | +6' | P 1.5X2 | E | KC | 133 | 10/4/95 | IS | P | NMB |
| 10/3/95 | 282-287 | 2955 | 301' | -9' | P 2'X4' | E | AL | 171 | 10/4/95 | IS | P | DDW |
| 10/3/95 | 282-287 | 2956 | 315' | -17' | P 1.5'X2.5' | E | AL | 205 | 10/4/95 | IS | P | DDW |
| 10/3/95 | 282-287 | 2957 | 316' | -15' | P 1.5'X1.5' | E | AL | 205 | 10/4/95 | IS | P | DDW |
| 10/3/95 | 323-324 | 4342 | 20' | 0 | P 2'X1' | E | CS | 205 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 325-326 | 4343 | 195' | +1' | EXT | E | VS | 171 | 10/4/95 | IS | P | JJP |
| 10/3/95 | 327-328 | 4344 | 306' | -1' | EXT | E | AL | 133 | 10/4/95 | IS | P | JJP |
| 10/4/95 | 328-329 | 2612 | 189' | 0 | P 1.5X2.5 | E | VS | 171 | 10/5/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/4/95 | 328-329 | 2613 | 189'-202' | 0 | EXT | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2614 | 205' | 0 | P 1.5X2.5 | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2615 | 256' | +3' | BOOT 7X5 | E | AL | 198 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2616 | 306' | 0 | P 1.5X1.5 | E | AL | 198 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2617 | 306'-317' | 0 | EXT | E | AL | 198 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2618 | 317' | 0 | P | E | AL | 198 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2620 | 310'-299' | 0 | EXT | E | AL | 198 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2622 | 196' | 0 | P 2.5X2 | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2623 | 196' | +4' | G 8 | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2624 | 196' | +9' | P 1.5X1.5 | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2625 | 183'-196' | 0 | EXT | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2626 | 183' | 0 | P 2X4 | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2627 | 86' | 0 | P 2X1.5 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2628 | 70'-86' | 0 | EXT | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 2629 | 70' | 0 | P 2.5X2 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-330-331 | 2630 | 20' | 0 | P 1.5X2 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-331-333 | 2631 | 34' | 0 | P 1.5X1.5 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2632 | 34'-42' | 0 | EXT | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2633 | 42' | 0 | P 1.5X1.5 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2634 | 68' | 0 | P 1.5X1.5 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2635 | 68'-82' | 0 | EXT | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2638 | 80' | +2' | G 1.5 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 329-333 | 2639 | 79' | +3' | P 1.5X1.5 | E | CS | 205 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 4351 | 205'-208' | 0 | C 2'X3' | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/4/95 | 328-329 | 4352 | 208' | 0 | P 2'X4'DS-172B | E | VS | 171 | 10/5/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2619 | 310' | 0 | P 2X2.5 | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2621 | 299' | 0 | P 1.5X6 | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2636 | 81' | 0 | P 2X2.5 | E | CS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2637 | 82' | 0 | P 1.5X1.5 | E | CS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2640 | 201' | 0 | P 1.5X4.5 | E | VS | 171 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2641 | 312' | +7' | BOOT 4.5X5 | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 330-331 | 2642 | 20' | 0 | P 2X4 DS-171 | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2643 | 1'-14' | 0 | EXT | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2644 | 18' | -5' | G 10' | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2645 | 14'-25' | 0 | G 11' | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2646 | 20' | 0 | P .5'X11' | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2647 | 22' | -12' | P 1.5X1.5 | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2648 | 23' | +8' | G 16 | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2649 | 24' | +17' | P 1.5X1.5 | E | KS | 205 | 10/9/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/9/95 | 333-334 | 2650 | 24'-34' | 0 | G 10' | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2651 | 34' | 0 | P 1.5'X2' | E | KS | 205 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2652 | 138' | 0 | P 3'X1.5' | E | VS | 171 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2653 | 138'-153' | 0 | G 15' | E | VS | 171 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2654 | 138' | +5.5' | G 11' | E | VS | 171 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2655 | 141' | +12' | P 1.5'X1.5' | E | VS | 171 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2656 | 153' | 0 | P 2.5'X1.5' | E | VS | 171 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2657 | 217' | 0 | P 1.5'X2' | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2658 | 254' | 0 | P 2'X1.5' | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2659 | 254'-266' | 0 | G 12' | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2660 | 266' | 0 | P 2'X3.5' | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 333-334 | 2661 | 275' | -1' | P 1'X1' | E | AL | 198 | 10/9/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2663 | 160' | 0 | P 2'X4' DS 170 | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/9/95 | 329-333 | 2664 | 330' | 0 | P 2'X4' DS 172 | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 333-334 | 2662 | 51' | 0 | P 1.5'X4'DS 173 | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-335-336 | 2665 | 51' | 0 | P 2'X2.5' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2666 | 144' | 0 | P 2.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2667 | 145' | -2' | G 4' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2668 | 147' | -5' | P 1.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2669 | 144'-160' | 0 | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2670 | 160' | 0 | P 3'X2' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2671 | 260' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2672 | 261' | -1' | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2673 | 262' | -2' | P 1.5'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2674 | 260'-272' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-336 | 2675 | 272' | 0 | P 2'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2676 | 187' | 0 | P 1.5'X1' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2677 | 187'-174' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2678 | 174' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2679 | 75' | 0 | P 2'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2680 | 75'-65' | 0 | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2681 | 65' | 0 | P 2'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2682 | 65' | -2' | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2683 | 65' | -3' | P 1.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 336-337 | 2684 | 29' | 0 | P 2'X4' DS-175 | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-338 | 2685 | 25' | +4' | BOOT 8'X6.5' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-338-339 | 2686 | 25'-44' | 0 | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-339 | 2687 | 44' | 0 | P 2.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-339 | 2688 | 145' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/10/95 | 337-339 | 2689 | 146' | +1' | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-339 | 2690 | 147' | +2' | P 1'X1' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-339 | 2691 | 145'-157' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 337-339 | 2692 | 157' | 0 | P 2'X1' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 339-340 | 2693 | 190' | 0 | P 1'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 339-340 | 2694 | 128' | 0 | P 2'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 339-340 | 2695 | 128'-112' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 339-340 | 2696 | 112' | 0 | P 2'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 339-340 | 2697 | 10' | 0 | P 1.5'X1.5' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 339-340 | 2698 | 10'-0' | 0 | EXT | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-342 | 2699 | 72' | 0 | P 1'X1' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-342-343 | 2700 | 72'-86' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 342-343 | 2701 | 0'-17' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-343 | 2702 | 86' | 0 | P 2'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-343 | 2703 | 83'-86' | +3' | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-343 | 2704 | 83' | +5' | P 1.5'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 343-344 | 2705 | 96'-85' | +3' | P 13'X11' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 343-344 | 2706 | 93'-92' | -3' | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 343-344 | 2707 | 92' | -4' | P 1'X1' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 343-344 | 2708 | 84' | 0 | P 1.5'X2.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 344-345 | 2709 | 45' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 344-345 | 2710 | 45'-58' | 0 | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 344-345 | 2711 | 58' | 0 | P 2'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 345-346 | 2712 | 17' | 0 | P 2.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 345-346 | 2713 | 17'-0' | 0 | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 346-341 | 2714 | 153' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 346-341 | 2715 | 153'-134' | 0 | EXT | E | VS | 171 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 343-344-341 | 2716 | 46' | 0 | P 1.5'X2' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 343-342-341 | 2717 | 46'-29' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 342-341 | 2718 | 30'-32' | -2' | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 342-341 | 2719 | 32' | -4' | P 1'X1' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 342-341 | 2720 | 29' | 0 | P 1'X1' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-335 | 2721 | 129' | 0 | P 1.5'X1.5' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-349 | 2724 | 0'-9' | 0 | EXT | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-335-349 | 2725 | 12' | 0 | P 2.5'X2' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-335 | 2726 | 12'-25' | 0 | EXT | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 335-349 | 2727 | 12'-36' | 0 | EXT | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 334-335 | 2728 | 25' | 0 | P 1.5'X1.5' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 335-336-337 | 2730 | 40' | 0 | P 2'X2.5' | E | CS | 205 | 10/10/95 | IS | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/10/95 | 337-338-335 | 2731 | 79' | 0 | P 2'X2' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 338-339-335 | 2732 | 118' | 0 | P 3'X5' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 338-335 | 2733 | 118'-122' | -5' | EXT | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 338-335 | 2734 | 122' | -9' | P 1'X1' | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 340-335 | 2735 | 118'-129' | 0 | EXT | E | CS | 205 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 341-335 | 2736 | 240' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 341-335 | 2737 | 240'-251' | 0 | EXT | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 341-335 | 2738 | 251' | 0 | P 1.5'-1.5' | E | AL | 198 | 10/10/95 | IS | P | DDW |
| 10/10/95 | 341-335 | 2740 | 346' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/10/95 | 341-335 | 2741 | 346'-360' | 0 | EXT | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/10/95 | 341-335 | 2742 | 360' | 0 | P 1.5'X4' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 331-333-334 | 2722 | 0' | 0 | P 5'X4' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 331-334-349 | 2723 | 0' | 0 | P 6'X2' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2729 | 36' | 0 | BOOT 3'X3' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 341-335 | 2739 | 282' | 0 | P 1.5'X4'DS-178 | E | AL | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 345-341 | 2743 | 27' | 0 | P 1.5'X2' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 345-341 | 2744 | 114' | 0 | P 1'X1.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 344-345-341 | 2745 | 99' | 0 | P 1.5'X2.5' | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 345-346-347 | 2746 | 32' | 0 | P 1'X1.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 346-347-348 | 2747 | 180' | 0 | P 8'X2.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2748 | 419'-405' | 0 | EXT | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2749 | 405' | 0 | P 1.5'X3' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2750 | 405' | -2' | EXT | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2751 | 406' | -4' | P 2'X2' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2752 | 333' | 0 | P 1.5'X2' | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2753 | 310' | -1' | BOOT 4'X3.5' | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2754 | 310'-295' | 0 | EXT | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2755 | 290' | 0 | P 2'X1.5' | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 332-349 | 2756 | 18'-0' | 0 | EXT | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2757 | 87' | 0 | P 1.5'x4'DS 177 | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2758 | 171' | 0 | P 2.5'X2.5' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2759 | 171'-185' | 0 | EXT | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2760 | 185' | 0 | P 1.5'X1.5' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 337-339 | 2761 | 212' | 0 | P 1.5'X4'DS 176 | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 334-336 | 2762 | 300' | 0 | P 2'X4' DS-174 | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-349 | 2763 | 419 | -4' | BOOT 8'X4' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 331-334 | 2764 | 0'-16' | 0 | C 16'-1.5' | F | KO | 1155 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 335-340-341 | 2765 | 165' | 0 | P 2.5'X2.5' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 340-341 | 2766 | 28' | 0 | P 1.5'X4'DS 179 | E | CS | 205 | 10/11/95 | IS | P | DDW |

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| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/11/95 | 340-341-342 | 2767 | 45' | 0 | P 2.5'X3' | E | KS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2768 | 426' | 0 | P 2'X2.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2769 | 426'-410' | 0 | EXT | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2770 | 410' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2771 | 396' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2772 | 308' | 0 | P 1.5'X6' | E | KC | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2773 | 305'-304' | +1' | EXT | E | AL | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2774 | 304' | +2' | P 1.5'X1.5' | E | AL | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2775 | 308'-293' | 0 | EXT | E | AL | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2776 | 293' | 0 | P 2'X2' | E | AL | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2777 | 286' | 0 | P 1'X1.5' | E | AL | 198 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2778 | 189' | 0 | P X2.5'X2' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2779 | 189'-174' | 0 | EXT | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 2780 | 174' | 0 | P 2'X2' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 330-331 | 2781 | 2'-17' | 0 | C 15'X3' | E | SK | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 330-331 | 2782 | 22'-35' | 0 | C 13'X3' | E | SK | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 329-333 | 2783 | 208' | 0 | P 2'X5' DS172A | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 283R2975 | 2977 | 176'-184' | +2' | DRN 5'X8' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 283R2975 | 2978 | 184'-197' | +2' | P 4.5'X13' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 329-333 | 4345 | 310'-330' | 0 | C 2'X20' | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 239-333 | 4346 | 330'-358' | 0 | C 2'X28' | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 329-333 | 4347 | 358' | 0 | P 2'X4' DS172B | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 329-333 | 4348 | 358'-368' | 0 | C 2'X10' | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 329-333 | 4349 | 368' | 0 | P 2'X4' DS172B1 | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 329-333 | 4350 | 368'-406' | 0 | C 2'X38' | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 330-331 | 4353 | 5' | 0 | P 2'X4' DS171A | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 331-330 | 4354 | 33' | 0 | P 2'X4' DS171B | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 331-330 | 4355 | 33'-41' | 0 | C 2'X8' | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 333-334 | 4356 | 34'-51' | 0 | C 2'X17' | E | SH | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 345-341 | 4357 | 114'-127' | 0 | EXT | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 345-341 | 4358 | 127'-134' | 0 | EXT | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 345-341-346 | 4359 | 134' | 0 | P 2'X2' | E | VS | 171 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 4360 | 58' | +5' | P 2'X1.5' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 4361 | 59' | +7' | P 2'X1' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 4362 | 61' | -2' | P 1'X1' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 4363 | 62' | 0 | P 2'X2' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 4364 | 62' | +5' | P 1.5'X2' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/11/95 | 349-350 | 4365 | 63' | +7' | P 2'X2' | E | CS | 205 | 10/11/95 | IS | P | DDW |
| 10/12/95 | 350-352 | 2784 | 128' | 0 | P 1.5X2.5 | E | VS | 171 | 10/12/95 | IS | P | NMB |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/12/95 | 350-352 | 2785 | 128'-143' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2786 | 143' | 0 | P 1.5X2 | E | VS | 171 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2787 | 223' | 0 | P 2X1.5 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2788 | 248' | 0 | P 1.5X1.5 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2789 | 248'-262' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2790 | 262' | 0 | P 1.5X1.5 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2791 | 132' | 0 | P 1.5X1.5 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2792 | 132'-144' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2793 | 144' | 0 | P 1.2X2 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 354-355 | 2794 | 110' | 0 | P 4X2.5 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 354-355 | 2795 | 95'-118' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 354-355 | 2796 | 95' | 0 | P 1.5X1 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 355-356 | 2797 | 58' | 0 | P 1.5X1 | E | AL | 198 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2798 | 338' | 0 | C 10X2.5 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2799 | 359' | 0 | P 2X2.5 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2800 | 365' | 0 | P 1.5X2.5 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2801 | 365'-378' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 350-352 | 2802 | 378' | 0 | P 2X3 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2803 | 262' | 0 | P 2.5X2.5 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2804 | 248'-262' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2805 | 248' | 0 | P 2X3 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 352-354 | 2806 | 236' | 0 | P 1.5X1.5 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 354-355 | 2807 | 195' | 0 | P 2X1.5 | E | SK | 205 | 10/12/95 | IS | P | NMB |
| 10/12/95 | 354-355 | 2808 | 210' | 0 | P 1.5'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 354-355 | 2809 | 210'-223' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 354-355 | 2810 | 223' | 0 | P 1.5'X2' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 354-355 | 2811 | 223'-220' | +4' | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 354-355 | 2812 | 220' | +7' | P 1.5'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 355-356 | 2813 | 188'-172' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 355-356 | 2814 | 172' | 0 | P 2'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 355-356 | 2815 | 160' | 0 | P 1.5'X2' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 355-356 | 2816 | 72' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 355-356 | 2817 | 72'-58' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 355-356-351 | 2818 | 0' | 0 | P 2'X4' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-355 | 2819 | 106' | 0 | P 1.5'X4'DS 181 | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-354-355 | 2820 | 75' | 0 | P 2.5'X2.5' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-354 | 2821 | 60' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 354-355 | 2822 | 78' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-354 | 2823 | 60'-53' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/12/95 | 351-354 | 2824 | 58'-56' | -2' | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-354 | 2825 | 58' | -4' | P 1.5'X1.5' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-353 | 2826 | 53' | 0 | P 1.5'X2' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-353 | 2827 | 53'-48' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-353 | 2828 | 48' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-353 | 2829 | 48'-49' | -4' | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-353 | 2830 | 49' | -8' | P 1'X1' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 353-354 | 2831 | 0'-10' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 352-354 | 2832 | 25' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 352-354 | 2833 | 25'-18' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 352-353 | 2834 | 18'-0' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-352-353 | 2835 | 37' | 0 | P 3'X2' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-353 | 2836 | 37'-48' | 0 | EXT | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-352-350 | 2837 | 82' | 0 | P 2'X2' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-356-357 | 2838 | 0' | 0 | P 2'X5' | E | VS | 171 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-357 | 2839 | 23' | 0 | P 3'X1.5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-357 | 2840 | 23'-29' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-358 | 2841 | 29' | 0 | P 1.5'X3' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-358 | 2842 | 29'-37' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-358 | 2843 | 37' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 357-358 | 2844 | 0'-17' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-358 | 2846 | 134' | 0 | P 1.5'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-358 | 2847 | 134'-149' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 356-358 | 2848 | 149' | 0 | P 2'X4' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2849 | 110' | 0 | P 1.5'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2850 | 110'-95' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2851 | 110'-108' | +1' | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2852 | 108' | +2' | P 1'X1' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2853 | 95' | 0 | P 1'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-357 | 2854 | 179' | 0 | P 2'X5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-357 | 2855 | 180'-181' | -2' | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-357 | 2856 | 181' | -4' | P 1.5'X1.5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-357 | 2857 | 179'-185' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-358 | 2858 | 185'-197' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-359 | 2859 | 197'-208' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2860 | 0'-3' | 0 | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 358-359 | 2861 | 3' | 0 | P 1.5'X1.5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-359-360 | 2862 | 238' | 0 | P 2.5'X3.5' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 359-360 | 2864 | 58' | 0 | P 1.5'X1.5' | E | SK | 205 | 10/12/95 | IS | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/12/95 | 359-360 | 2865 | 58'-73' | 0 | EXT | E | SK | 205 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 359-360 | 2866 | 73' | 0 | P 1.5'X2' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 361-362 | 2872 | 0'-15' | 0 | EXT | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 362-351 | 2874 | 297' | 0 | P 1'X1' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 351-362 | 2875 | 297'-305' | 0 | EXT | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 351-362 | 2876 | 299' | -1' | EXT | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 351-362 | 2877 | 299' | -2' | P 1.5'X1.5' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 351-361 | 2878 | 305'-311' | 0 | EXT | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 351-361 | 2879 | 311' | 0 | P 2'X1.5' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 19-30-284 | 3845 | 77' | 0 | P 1'X1' | E | AL | 132 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 359-360 | 4370 | 69' | -7' | P 2'X2' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 361-360 | 4371 | 31' | +5' | P 2'X1' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/12/95 | 352-354 | 4377 | 140' | +1' | EXT | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 352-354 | 4378 | 140' | +2' | P 2'X2' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/12/95 | 351-359 | 4379 | 208' | 0 | P 2'X2' | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/13/95 | 356-358 | 2845 | 60' | 0 | P 2'X4' DS 184 | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/13/95 | 359-360 | 2863 | 46' | 0 | P 2'X4' DS 185 | E | AL | 198 | 10/12/95 | IS | P | DDW |
| 10/13/95 | 359-360 | 2867 | 83' | -1' | P 1.5'X1.5' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 360-361-363 | 2868 | 42' | 0 | P 2.5'X2.5' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 360-361 | 2869 | 42'-27' | 0 | EXT | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 360-361 | 2870 | 31' | +2' | P 1.5'X1.5' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 360-360 | 2871 | 30'-31' | +1' | EXT | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-360-362 | 2873 | 277' | 0 | P 2'X2.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 361-363-364 | 2880 | 40' | 0 | P 3'X5' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 363-364 | 2881 | 20' | 0 | P 1.5'X2' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 363-364 | 2882 | 29' | 0 | P 1.5'X2' | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 361-364 | 2883 | 51' | 0 | P 2'X4' DS 186 | E | SK | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 350-352 | 2884 | 290' | 0 | P 2'X4' DS 182 | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 354-355 | 2885 | 244' | 0 | P 2'x4' DS 183 | E | KC | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 349-350 | 2886 | 221' | 0 | P 2'X4' DS 180 | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 355-356 | 2887 | 188' | -1' | BOOT 4'X3' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 360-362 | 2888 | 20' | 0 | P 1'X1.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2889 | 348' | 0 | P 2'X1.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2890 | 348'-345' | -3' | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2891 | 348'-335' | 0 | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2892 | 345' | -5' | P 1.5'X1.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2893 | 335' | 0 | P 2.5'X2' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2894 | 236' | +1' | BOOT 4'X4' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2895 | 236'-215' | 0 | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/13/95 | 351-365 | 2896 | 215' | 0 | P 105'X1.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2897 | 101' | -1' | P 1.5'X4' | E | VS | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2898 | 89'-101' | 0 | EXT | E | VS | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2899 | 89' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-366 | 2901 | 302' | 0 | P 2'X3.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 366-368 | 2903 | 51'-73' | 0 | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 366-368 | 2904 | 67' | +1' | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 366-368 | 2905 | 67' | +3' | P 1.5'X1.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 366-368 | 2906 | 73' | 0 | P 2.5'x1.5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-367-368 | 2907 | 361' | 0 | P 3'X2' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-367 | 2908 | 361'-363' | +2' | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-367 | 2909 | 363' | +4' | P 1'X1' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-368 | 2910 | 361'-380' | 0 | EXT | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-367-369 | 2911 | 380' | 0 | P 2.5'X5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 351-365 | 2912 | 369' | 0 | P 2'X4' DS 187 | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 365-369-370 | 2913 | 445' | 0 | P 2.5'X5' | E | KC | 198 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 74-283 | 2937 | 32'-45' | 0 | C 13'X2' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283R2937 | 2939 | 45' | 0'-44' | P 4'X44' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-287 | 2946 | 220'-236' | +5' | P 2'X16' | E | SH | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 74-284 | 2948 | 0'-56' | 0 | C 2'X56' | E | KS | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 284R2948 | 2949 | 147'-56' | +22' | P 2'X47' | E | KS | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 74-284 | 2950 | 75' | -5' | P 2'X5' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-284 | 2952 | 105' | +6' | P 1.5'X2' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283R2947 | 2953 | 180' | +9' | P 1.5'X2.5' | E | KC | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-282 | 2954 | 180' | +2' | P 1.5'X2.5' | E | KC | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-284 | 2958 | 139' | +7' | P 2'X4' | E | KC | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-384 | 2959 | 141' | +3' | P 1.5'X2' | E | KC | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-284 | 2965 | 147'-160' | +1' | C 4'X13' | E | CS | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | R2965R2975 | 2974 | 160' | 0'-22' | P 4'X22' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 282-283 | 2975 | 225'-335' | 0 | C 2'X111' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | R2975R2926 | 2976 | 239' | 0'-22' | P 2'X22' | E | CS | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 283-284 | 2980 | 235' | +11' | P 1.5'X1' | E | CS | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 282-287 | 4367 | 232'-222' | +3' | P 2'X10' | E | AL | 171 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 282-283 | 4368 | 155' | 0 | P 2'X2' | E | KC | 205 | 10/13/95 | IS | P | DDW |
| 10/13/95 | 282-283 | 4369 | 160' | +9' | P 1'X1.5' | E | KS | 205 | 10/13/95 | IS | P | DDW |
| 10/14/95 | 350-351-365 | 2900 | 0' | 0 | P 4.5'X7' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 284R2949 | 2951 | 105' | +6' | P 1.5'X2' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 366-371 | 2988 | 169' | 0 | P 2'X6' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 366-371 | 2989 | 150' | 0 | P 2'X2' | E | KC | 198 | 10/16/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/14/95 | 366-371 | 2991 | 136' | 0 | P 2'X2' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 2992 | 206' | 0 | P 2.5'X2' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 2993 | 206'-221' | 0 | EXT | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 2994 | 221' | 0 | P 2'X2' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 2995 | 210' | +2' | EXT | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 2996 | 210' | +5' | P 2.5'X2.5' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 373-374 | 2997 | 276' | 0 | P 2'X4' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 373-374 | 2998 | 276'-295' | 0 | EXT | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 373-374 | 2999 | 295' | -3' | P 6'X3' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 3005 | 88' | 0 | P 1.5'X1.5' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 3006 | 88'-102' | 0 | EXT | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 3007 | 102' | 0 | P 1.5'X1.5' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-366 | 3008 | 29' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 366-371 | 3009 | 29'-23' | 0 | EXT | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 366-372 | 3010 | 0'-5' END | 0 | EXT | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-366-372 | 3011 | 248' | 0 | P 2'X5' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-366 | 3012 | 255'-248' | 0 | EXT | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-366 | 3013 | 255' | 0 | P 2'X1.5' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-372 | 3014 | 23'-0' | 0 | EXT | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-372 | 3015 | 248'-225' | 0 | EXT | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-371 | 3016 | 225' | 0 | P 3'X6' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-371 | 3019 | 169' | 0 | P 2'X2' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-371-373 | 3020 | 150' | 0 | P 2.5'X2' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-373 | 3025 | 117' | 0 | P 2.5'X2.5' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-373 | 3026 | 117'-119' | +3' | EXT | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-373 | 3027 | 119' | +6' | P 2'X2' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-373 | 3028 | 119'-128' | 0 | EXT | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 365-373 | 3029 | 128' | 0 | P 1'X1' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 349-350-375 | 3196 | 40' | 0 | P 2 X 2 | E | KC | 133 | 10/16/95 | IS | P | JJP |
| 10/14/95 | 349-375 | 3197 | 33' | +7' | P 1 X 1 | E | KC | 133 | 10/16/95 | IS | P | JJP |
| 10/14/95 | 349-350 | 3198 | 51' | +5' | P 1 X 1 | E | KC | 133 | 10/16/95 | IS | P | JJP |
| 10/14/95 | 371-373 | 4366 | 96' | +4' | EXT | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/14/95 | 371-373 | 4849 | 96' | +8' | P 2'X 1.5' | E | KC | 198 | 10/16/95 | IS | P | RI |
| 10/16/95 | 366-368 | 2981 | 167' | 0 | P 2'X4' DS 188 | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 371-373 | 2982 | 275' | 0 | P 2'X4' DS 189 | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 365-371 | 2983 | 215' | 0 | P 2'X4' DS 190 | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 371-373 | 2984 | 306' | -2' | P 1.5'X1.5' | E | KC | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 2985 | 379' | -15' | P 1'X1' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 2986 | 354' | 0 | P 1.5'X1.5' | E | KC | 198 | 10/16/95 | IS | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/16/95 | 371-373 | 2987 | 285' | 0 | P 1.5'X2' | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 366-371 | 2990 | 150'-136' | 0 | EXT | E | KC | 198 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3000 | 295' | -10' | BOOT 4'X5' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3001 | 192' | 0 | P 2'X4' DS 191 | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3002 | 175' | 0 | P 1.5'X3' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3003 | 175'-162' | 0 | EXT | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3004 | 162' | 0 | P 2'X2' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3017 | 150' | 0 | P 1.5'X2.5' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3018 | 104' | 0 | P 2.5'X8' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3021 | 50' | -6' | BOOT 4'X4' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3022 | 50' | -3' | P 5'X2' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3023 | 50'-36' | 0 | EXT | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3024 | 36' | 0 | P 2'X3' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 365-373 | 3030 | 108' | +9' | P 1'X1' | E | KS | 205 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 351-365 | 3031 | 84' | -8' | P 1'X1' | E | KS | 205 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 351-365 | 3032 | 82' | -1' | P 1'X1' | E | KS | 205 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 365-373-374 | 3033 | 86' | 0 | P 2'X2' | E | KS | 205 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 379-380-381 | 3034 | 18' | 0 | P 2'x2' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 379-381-382 | 3035 | 37' | 0 | P 1.5'X3' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 381-382-384 | 3036 | 28' | 0 | P 1.5'X3' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 382-384 | 3037 | 30' | +2' | P 1.5'X1.5' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 382-384 | 3038 | 35' | +2' | P 1.5'X1.5' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 382-384 | 3039 | 38' | +2' | P 1'X1' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 378-379-382 | 3040 | 53' | 0 | P 1.5'X1.5' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 378-379 | 3041 | 14' | +4' | P 1.5'X1.5' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 378-379 | 3042 | 14' | +1' | P 1'X1' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 377-378-382 | 3043 | 79' | 0 | P 2.5'X2' | E | KC | 133 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 377-382 | 3044 | 91' | 0 | P 2'X4' DS 192 | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 377-382 | 3045 | 98' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 376-378-382 | 3046 | 135' | 0 | P 2'X2' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 382-383-384 | 3047 | 126' | 0 | P 1.5'X2.5' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 383-384-385 | 3048 | 146' | 0 | P 2.5'X2' | E | VS | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 376-383-386 | 3050 | 176' | 0 | P 2'X2.5' | E | AL | 171 | 10/16/95 | IS | P | DDW |
| 10/16/95 | 374-376-386 | 3052 | 181' | 0 | P 2.5'X2' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/16/95 | 373-374 | 3058 | 392' | 0 | P 2'X2' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 383-385-386 | 3049 | 167' | 0 | P 2.5'X3' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 374-386-387 | 3053 | 178' | 0 | P 2'X2' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 374-387 | 3054 | 189' | 0 | P 2'X4' DS 193 | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 374-387-388 | 3055 | 445' | 0 | P 1.5'X1.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/17/95 | 373-374-388 | 3056 | 432' | 0 | P 2'X2' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 373-374 | 3057 | 411' | 0 | P 2'X1.5' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 371-373 | 3059 | 340' | 0 | P 2.5'X1.5' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 371,373-378 | 3060 | 350' | 0 | P 2.5'X4' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 388-389-392 | 3061 | 379' | 0 | P 2'X3.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 389-390-392 | 3062 | 309' | 0 | P 2'X3' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-371-379 | 3063 | 286' | 0 | P 2.5'X5.5' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-371 | 3064 | 268' | 0 | P 1.5'X1.5' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-368 | 3065 | 196' | 0 | P 1.5'X2' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-368 | 3066 | 196'-204' | 0 | EXT | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-368-391 | 3067 | 204' | 0 | P 1.5'X2' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-391 | 3068 | 204'-211' | 0 | EXT | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 366-390-391 | 3069 | 211' | 0 | P 2.5'X2' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 368-369-391 | 3070 | 135' | 0 | P 2'X3.5' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 368-369 | 3071 | 135'-128' | 0 | EXT | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 368-369 | 3072 | 128' | 0 | P 1.5'X3' | E | KC | 133 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 369-393-394 | 3073 | 65' | 0 | P 2'X4.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 369-394 | 3074 | 65'-58' | 0 | EXT | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 369-370-394 | 3075 | 58' | +4' | P 8'X4' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 393-396 | 3076 | 83' | 0 | P 1'X1.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 393-396-397 | 3077 | 91' | 0 | P 2'X2' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 394-396-397 | 3078 | 23' | 0 | P 2'X2.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 370-394 | 3079 | 8'-21' | 0 | EXT | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 365-370-394 | 3080 | 507' | 0 | P 2'X4.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 365-370 | 3081 | 507'-500' | 0 | EXT | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 365-370 | 3082 | 500' | 0 | P 1.5'X2.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 365-395 | 3083 | 12' | 0 | P 1.5'X3' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 394-395 | 3084 | 528' | 0 | P 2'X2' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/17/95 | 394-395 | 3085 | 536' | +2' | P 1.5'X1.5' | E | VS | 171 | 10/17/95 | IS | P | DDW |
| 10/18/95 | 374-398 | 3086 | 371' | 0 | P 1 X 1 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3087 | 353'-371' | 0 | G 18' | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3088 | 361' | 0 | P 2X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3089 | 360' | 0 | P 1 X 1 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3090 | 353' | 0 | P 1 X1.5 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3091 | 409' | 0 | P 2 X 1.5 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3092 | 395'-409' | 0 | G 14' | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3093 | 395' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3094 | 402' | -3' | P 2 X 3 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3095 | 408' | +2' | P 1 X 1 | E | AL | 171 | 10/19/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/18/95 | 399-400 | 3096 | 408' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3097 | 395'-408' | 0 | G 13' | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3098 | 397' | -3' | P 1 X 1 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3099 | 395' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-376-398 | 3100 | 468' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 376-398-399 | 3101 | 512' | 0 | P 2 X 3 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 376-377-399 | 3102 | 510' | 0 | P 2 X 4 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 377-400 | 3103 | 57' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-406 | 3104 | 362' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-403 | 3105 | 164' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-403 | 3106 | 150'-164' | 0 | G 14' | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-403 | 3107 | 150' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 403-405 | 3108 | 48' | 0 | P 2 X 3 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 403-405 | 3109 | 33'-48' | 0 | G 15' | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 403-405 | 3110 | 33' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-405 | 3111 | 296' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-405 | 3112 | 283'-296' | 0 | G 13' | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-405 | 3113 | 283' | 0 | P 2 X 1 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-403-405 | 3114 | 250' | 0 | P 2 X 6 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3115 | 367' | 0 | P 2 X 2 | E | AL | 171 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3116 | 258' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3117 | 242'-258' | 0 | G 16' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3118 | 242' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3119 | 243' | -3' | P 1 X 1 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3120 | 242' | -0'-3' | G 3' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3121 | 252' | 0 | P 1 X 1 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3122 | 252' | +0'-2' | G 2' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3123 | 287' | +4' | P 1 X 1 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3124 | 287' | +0'-4' | G 4' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3125 | 287' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3126 | 287'-303' | 0 | G 16' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3127 | 297' | -0'-6' | G 6' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3128 | 303' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3129 | 297' | -6' | P 1 X 1 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3130 | 305' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3131 | 293'-305' | 0 | G 12' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3132 | 293' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-404 | 3133 | 50' | +4' | P 1 X 1 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-404 | 3134 | 50' | +0'-4' | G 4' | E | VS | 205 | 10/19/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/18/95 | 400-404 | 3135 | 47' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-404 | 3136 | 47'-54' | 0 | G 7' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-403 | 3137 | 54'-58' | 0 | C 2 X 4 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-403 | 3138 | 60' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-403 | 3139 | 191' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-404 | 3140 | 178'-191' | 0 | G 13' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 402-404 | 3141 | 178' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 403-404 | 3142 | 0'-11' | 0 | G 11' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-402-404 | 3143 | 131' | 0 | P 2 X 4 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-402 | 3144 | 121' | 0 | DS-198 2 X 5 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3145 | 180' | 0 | DS-194 2 X 6 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3146 | 134' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3147 | 121'-134' | 0 | G 13' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3148 | 121' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3149 | 177' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3150 | 163'-177' | 0 | G 14' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 398-399 | 3151 | 163' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 374-398 | 3152 | 81' | 0 | P 2 X 1 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-401-402 | 3153 | 112' | 0 | P 3 X 5 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 365-374-398 | 3154 | 11' | 0 | P 2 X 3 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 350-375-398 | 3155 | 0 | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 401-402 | 3156 | 21' | -4' | P 1 X 1 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 388-392-409 | 3165 | 42' | 0 | P 10 X 10 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 3184 | 163'-177' | 0 | G 14' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-401 | 3185 | 160' | 0 | DS-196 2 X 5 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-401 | 3186 | 163' | +0'-4' | G 4 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-401 | 3187 | 163' | +4' | P 1 X 1 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-401 | 3188 | 0-8' | 0 | G 8' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 401-402 | 3189 | 50' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 401-402 | 3190 | 50'-64' | 0 | G 14 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 400-402 | 3191 | 64' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 365-398 | 3194 | 0-11' | 0 | G 11' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 350-398 | 3195 | 0-8' | 0 | G 8' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/18/95 | 399-400 | 4372 | 395' | -1' | EXT | E | AL | 171 | 10/19/95 | IS | P | DDW |
| 10/18/95 | 399-400 | 4373 | 408' | +1' | EXT | E | AL | 171 | 10/19/95 | IS | P | DDW |
| 10/18/95 | 376-377-399 | 4374 | 43' | 0 | P 1.5'X2' | E | AL | 171 | 10/19/95 | IS | P | DDW |
| 10/18/95 | 404-400 | 4375 | 47'-54' | 0 | EXT | E | VS | 205 | 10/19/95 | IS | P | DDW |
| 10/18/95 | 400-403 | 4376 | 54'-60' | 0 | EXT | E | VS | 205 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 366-367-368 | 2902 | 51' | 0 | P 1.5'X1.5' | E | KC | 198 | 10/19/95 | IS | P | DDW |

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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/19/95 | 407-410 | 3157 | 21' | 0 | DS-200 2 X 5 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 407-409-410 | 3158 | 39' | 0 | P 2 X 3 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 407-409 | 3159 | 50' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 407-408-409 | 3160 | 67' | 0 | P 2 X 3 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 387-408 | 3161 | 9' | 0 | P 2 X 2' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 387-388-408 | 3162 | 460' | 0 | P 2 X 3 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 388-408 | 3163 | 0-4' | 0 | G 4' | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 388-408-409 | 3164 | 62' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 390-392-412 | 3166 | 19' | 0 | P 2 X 3 | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 390-411-412 | 3167 | 12' | 0 | P 5 X 5 | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 390-391-411 | 3168 | 15' | 0 | P 4 X 4 | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 391-411 | 3169 | 2' | 0 | P 2 X 2 | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 410-411-412 | 3170 | 22' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 387-408 | 3171 | 26' | 0 | P 1 X 1 | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 387-408 | 3172 | 31' | 0 | P 2 X 2 | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 377-400-403 | 3173 | 68' | 0 | P 2 X 3 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 377-403-405 | 3174 | 89' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 377-378-405 | 3175 | 100' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 378-405-406 | 3176 | 112' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 378-402-406 | 3177 | 117' | 0 | P 2 X 2 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 378-379-402 | 3178 | 123' | 0 | DS-199 2 X 5 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 400-403 | 3179 | 145' | 0 | DS-197 2 X 5 | E | SK | 171 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 398-399 | 3180 | 415' | 0 | DS-195 2 X 5 | E | SK | 171 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 400-403 | 3181 | 119' | 0 | P 2 X 2 | E | SK | 171 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 398-399 | 3182 | 274' | 0 | P 1X 1 | E | VS | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 399-400 | 3183 | 177' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 398-399 | 3192 | 42' | -3' | P 1 X 1 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 375-398-399 | 3193 | 22' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 349-375 | 3199 | 16' | 0 | P 2 X 2 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 349-375 | 3200 | 11'-16' | 0 | G 5' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 375-399 | 3201 | 0'-22 | 0 | G 22' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 349-399 | 3202 | 0'-11' | 0 | G 11' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 349-399 | 3203 | 1' | +0'-5' | G 5' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 349-399 | 3204 | 3' | +5' | P 1 X 1 | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 332-399 | 3205 | 4'-12' | 0 | G 8' | E | KC | 133 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 390-412 | 3206 | 12'-19' | 0 | G 7' | E | AL | 205 | 10/19/95 | IS | P | JJP |
| 10/19/95 | 330-331 | 3834 | 36' | +8' | P 1'X2' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331 | 3835 | 34' | +4' | P 2'X1.5' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331-332 | 3836 | 41' | 0 | P 2.5'X2.5' | E | VS | 171 | 10/19/95 | IS | P | DDW |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/19/95 | 330-332 | 3837 | 44' | 0 | P 1'X1' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331 | 3838 | 40' | -7' | P 1.5'X1' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331 | 3839 | 36' | -7' | P 2'X1' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331 | 3840 | 32' | -10' | P 1'X1' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331 | 3841 | 24' | -4' | P 1'X1.5' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 330-331 | 3842 | 22' | -1' | P 2'X2' | E | VS | 171 | 10/19/95 | IS | P | DDW |
| 10/19/95 | 407-408-387 | 4380 | 101' | 0 | P 2'X2' | E | VS | 205 | 10/19/95 | IS | P | DDW |
| 10/20/95 | 399-402-413 | 3207 | 15' | 0 | P 2 X 5 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3208 | 15'-24' | 0 | G 8' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3209 | 24' | -0'-18' | P 2 X 18 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3210 | 24' | -18' | BOOT 5 X 5 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 399-413 | 3211 | 0'-15' | 0 | G 15' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3212 | 112'-133' | 0 | G 22'. | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3213 | 128' | -2' | P 2 X 3 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3214 | 120' | +4' | P 2 X 2 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3215 | 120' | +0'-4' | G 4' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 330-413 | 3216 | 0'-18' | 0 | G 18' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3217 | 166' | 0 | P 2 X 2 | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3218 | 166'-179' | 0 | G 13' | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3219 | 179' | 0 | P 2 X 2 | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3220 | 270' | +4' | P 1 X 1 | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3221 | 265' | 0 | P 2 X 2 | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3222 | 265'-278' | 0 | G 13' | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3223 | 270' | 0 | P 2 X 2 | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3224 | 270' | +0'-4' | G 4' | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3225 | 278' | 0 | P 2 X 2 | E | KC | 133 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3226 | 289' | 0 | P 2 X 4 | E | VS | 205 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3227 | 289'-312' | 0 | G 23' | E | VS | 205 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3228 | 312' | -0'-6' | BOOT 6 X 6 | E | SC | 205 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3229 | 409' | 0 | P 2 X 2 | E | CS | 205 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3230 | 393'-409' | 0 | G 16' | E | CS | 205 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3231 | 393' | 0 | P 2 X 3 | E | CS | 205 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3232 | 406' | 0 | P 2 X 2 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3233 | 406'-425' | 0 | G 19' | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413 | 3234 | 425' | 0 | BOOT 5 X 6 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3235 | 528 | +6' | P 1 X 1 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3236 | 528 | +0'-6' | G 6' | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3237 | 520' | +0'-7' | G 7' | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3238 | 518' | +7' | P 2 X 3 | E | AL | 171 | 10/24/95 | IS | P | JJP |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/20/95 | 413-414 | 3239 | 511'-529' | 0 | G 18' | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3240 | 511' | 0 | P 2 X 3 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3241 | 529' | 0 | P 2 X 3 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 402-413-379 | 3242 | 513' | 0 | P 2 X 3 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 327-328-414 | 3243 | 16' | 0 | P 2 X 2 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 328-329-414 | 3244 | 39' | 0 | P 2 X 2 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 329-330-414 | 3245 | 61' | 0 | P 2 X 2 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 330-414 | 3246 | 0-8' | 0 | G 8' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 414-415 | 3247 | 69'-112' | 0 | G 43' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 330-415 | 3248 | 8'-52" | 0 | G 44' | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 380-379-413 | 3249 | 613' | 0 | P 2 X 2 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3250 | 570' | 0 | P 2 X 2 | E | AL | 171 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 413-414 | 3749 | 133' | 0 | P 2 X 2 | E | SK | 198 | 10/24/95 | IS | P | JJP |
| 10/20/95 | 330-415-414 | 4381 | 8' | 0 | P 1'X1' | E | SK | 198 | 10/24/95 | IS | P | DDW |
| 10/20/95 | 413-415 | 4382 | 18'-20' | 0 | EXT | E | SK | 198 | 10/24/95 | IS | P | DDW |
| 10/20/95 | 378-379-402 | 4383 | 127' | 0 | P 2'X2' | E | AL | 171 | 10/24/95 | IS | P | DDW |
| 10/20/95 | 413-414 | 4384 | 255' | 0 | P 2'X4' DS202 | E | CS | 205 | 10/24/95 | IS | P | DDW |
| 10/24/95 | 330-415 | 3309 | 23' | 0 | DS-203 2 X 5 | E | KC | 133 | 10/24/95 | IS | P | DDW |
| 10/25/95 | 417-418 | 3251 | 540'-567' | 0 | G 27' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 418-419 | 3252 | 0-20' | 0 | G 20' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 418-419 | 3253 | 19' | 0 | P 2 X 1 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3254 | 538' | 0 | P 2 X 1 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3255 | 510' | 0 | DS-205 2 X 5 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3256 | 514'-521' | 0 | G 7 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3257 | 521'-531' | 0 | C 2 X 10 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3258 | 531'-534' | 0 | G 3 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3259 | 537' | 0 | P 2 X 1 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3260 | 526' | -0'-18' | G 18' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3261 | 526' | -18' | P 2 X 2 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3262 | 523' | 0 | P 2 X 2 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3263 | 502'-521' | 0 | G 19' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3264 | 518' | -0'-3' | G 3 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3265 | 518' | -3' | P 1X 1 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3266 | 502' | 0 | P 2 X 2 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3267 | 513' | +0'-19' | P 2 X 19 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3268 | 389' | 0 | P 2 X 1 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3269 | 373'-389' | 0 | G 16' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3270 | 373' | 0 | P 2 X 4 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3271 | 375' | -0'-7' | G 7 | E | VS | 205 | 10/26/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/25/95 | 414-416 | 3272 | 375' | -7' | P 1 X 1 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3273 | 385' | 0 | P 2 X 1 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3274 | 371'-385' | 0 | G 14' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3275 | 371' | 0 | P 2 X 2 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3276 | 375' | 0 | P 2 X 2 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3277 | 375'-395' | 0 | G 20 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3278 | 395' | -0'-6' | P 2 X 7 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3279 | 395' | -7' | BOOT 5 X 6 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3280 | 264' | -6' | BOOT 2 X 5 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3281 | 264' | 0 | P 2 X 6 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3282 | 246'-264' | 0 | G 18' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3283 | 246' | 0 | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3284 | 244' | -4' | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3285 | 240' | 0 | DS-206 2 X 5 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3286 | 244' | 0 | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3287 | 244'-257' | 0 | G 13 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3288 | 257' | 0 | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3289 | 245' | +2' | P 1 X 1 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3290 | 247' | 0 | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3291 | 247'-260' | 0 | G 13 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3292 | 260' | 0 | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3293 | 258' | +2' | P 1 X 1 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3294 | 188' | 0 | P 2 X 2 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3295 | 155' | +6' | P 1 X 1 | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3296 | 121' | 0 | P 2 X 2 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3297 | 109'-121' | 0 | G 12 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3298 | 109' | 0 | P 2 X 2 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3299 | 115' | -0'-3' | P 2 X 3 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3300 | 107' | 0 | P 2 X 2 | S | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3301 | 107'-123' | 0 | G 16' | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3302 | 123' | 0 | P 2 X 2 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3303 | 124' | 0 | P 2 X 2 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3304 | 111'-124' | 0 | G 13 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3305 | 111' | 0 | P 2 X 1 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 3306 | 84' | 0 | P 2 X 2 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3307 | 100' | 0 | DS-204 2 X 5 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 3308 | 88' | 0 | P 1 X 1 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 417-419 | 3310 | 118' | -0'-3' | P 2 X 3 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 399-413 | 3311 | 4' | +0'-6' | G 6 | E | SH | 198 | 10/26/95 | IS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/25/95 | 399-413 | 3312 | 6' | +6' | P 2 X 1 | E | SH | 198 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 374-398 | 3313 | 127' | +20' | P 2 X7 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 374-398 | 3314 | 125' | +12' | P 2 X 3 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 365-374 | 3315 | 40' | -3' | P 1 X 1 | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 402-413 | 3316 | 460' | 0 | DS-201 2 X 5 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 414-416 | 4385 | 257' | +1' | EXT | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/25/95 | 416-417 | 4386 | 247' | +1' | EXT | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3317 | 109' | 0 | P 1'X1.5' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3318 | 109'-122' | 0 | EXT | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3319 | 122' | 0 | P 1'X1.5' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3320 | 121' | +1' | EXT | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3321 | 120' | +3' | P 1'X1' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3322 | 122'-125' | 0 | EXT | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3323 | 125' | 0 | P 1.5'X1.5' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3324 | 236' | 0 | C 2'X8' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3325 | 237'-241' | +4' | EXT | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3326 | 241' | +7' | P 1'X1' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3327 | 244'-255' | 0 | EXT 11' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3328 | 255' | 0 | P 2'X1.5' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3329 | 364' | 0 | P 1'X1.5' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3330 | 364'-369' | 0 | EXT | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3331 | 369'-376' | 0 | C 2'X7' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420 | 3332 | 378' | -7' | P 14'X3' | E | AL | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-425 | 3333 | 378'-387' | 0 | EXT | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-425 | 3334 | 0'-10' | 0 | EXT | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-420-425 | 3335 | 387' | 0 | P 2.5'X2' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-425 | 3336 | 400' | 0 | P 1'X1.5' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-425 | 3337 | 50' | 0 | P 2'X4' DS 208 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-422-425 | 3338 | 430' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 422-425 | 3339 | 0'-5' | 0 | EXT | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-422-425 | 3340 | 58' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-421-422 | 3341 | 120' | 0 | P 1.5'X2' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-421-422 | 3342 | 496 | 0 | P 2'X7' DS 207 | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-421 | 3343 | 127' | -2' | P 1'X1' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-421 | 3344 | 130' | 0 | P 2'X4' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 419-421 | 3345 | 515' | +2' | P 1'X1' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-421 | 3346 | 149' | 0 | P 1'X1' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3347 | 381' | 0 | P 2'X1.5' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3348 | 381'-368' | 0 | EXT | E | AL | 171 | 10/26/95 | IS | P | DDW |

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| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/26/95 | 420-423 | 3349 | 377'-374' | +3' | EXT | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3350 | 374' | +6' | P 1'X1' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3351 | 368' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3352 | 247' | 0 | P 4'X3.5' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3353 | 247'-234' | 0 | EXT | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3354 | 234' | -2' | P 4'X2' | E | VS | 205 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3355 | 121' | 0 | P 2'X1.5' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3356 | 121'-108' | 0 | EXT | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/26/95 | 420-423 | 3357 | 108' | 0 | P 1.5'X1.5' | E | KC | 133 | 10/26/95 | IS | P | DDW |
| 10/27/95 | 420-423 | 3358 | 88' | -7' | P 1.5'X1.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-423-424 | 3359 | 17' | 0 | P 3'X4.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-424 | 3360 | 28' | 0 | P 1.5'X1.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-424-434 | 3361 | 71'-78' | 0 | P 3'X8' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-434 | 3362 | 77'-100' | 0 | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-434 | 3363 | 100' | 0 | P 1.5'X1.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-434 | 3364 | 102' | -2' | P 1'X1' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-434 | 3365 | 102' | -1' | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-434 | 3366 | 100'-107' | 0 | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-426-434 | 3367 | 107' | -2' | BOOT 4'X3' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 434-426 | 3368 | 13'-5' | 0 | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-434 | 3369 | 8' | +2' | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-434 | 3370 | 97' | -7' | BOOT 3'X10' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 424-434 | 3371 | 24'-14' | 0 | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 424-433-434 | 3372 | 14' | 0 | P 2'X2' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 433-434 | 3373 | 0'-24' | 0 | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 433-434 | 3374 | 24' | 0 | P 1.5'X1.5' | E | CS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-434 | 3375 | 0'-5' | 0 | EXT | E | CS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-434 | 3376 | 5' | 0 | 2'X5' DS 214 | E | CS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-426 | 3377 | 107' | +9' | P 1'X1' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 433-434 | 3378 | 22' | -1' | EXT | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 433-434 | 3379 | 22' | -3' | P 1.5'X1.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-424-433 | 3380 | 98' | 0 | P 3'X2.5' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3381 | 98'-117' | 0 | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3382 | 110' | +3' | P 5'X4' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3383 | 114' | -1' | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3384 | 114' | -2' | P 1'X1' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3385 | 117' | 0 | P 3.5'X3' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3386 | 43' | 0 | P 2'X2' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-426-428 | 3387 | 144' | 0 | P 2.5'X8' | E | KC | 133 | 10/27/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/27/95 | 423-428 | 3388 | 181' | 0 | P 1.5'X2.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-428 | 3389 | 182' | +4' | P 1.5'X1.5' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-428-429 | 3390 | 204' | 0 | P 1.5'X2.5' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-428-429 | 3391 | 63' | 0 | P 3.5'X3.5' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-429 | 3392 | 63'-80' | 0 | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-429 | 3393 | 204'-226' | 0 | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-429 | 3394 | 226' | 0 | P 2'X2' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-429 | 3395 | 226'-223' | +4' | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-429 | 3396 | 223' | +7' | P 1'X1' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-429 | 3397 | 80' | 0 | P 2'X3' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3398 | 143' | 0 | P 2'X2' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3399 | 143'-127' | 0 | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3400 | 127' | 0 | P 2'X4' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3401 | 221' | 0 | P 3'X2' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3402 | 221'-233' | 0 | EXT | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3403 | 233' | 0 | P 3'X1.5' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-429-432 | 3404 | 268' | 0 | P 1.5'X4' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430-432 | 3405 | 336' | 0 | P 1.5'X2' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 430-432 | 3406 | 0'-10' | 0 | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430 | 3407 | 336'-359' | 0 | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-432-430 | 3408 | 64' | 0 | P 2.5'X2.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-430 | 3409 | 64'-87' | 0 | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-430 | 3410 | 74'-77' | +3' | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-430 | 3411 | 77' | +6' | P 3'X3' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-429 | 3412 | 192' | 0 | P 1.5'X4' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-429 | 3413 | 192'-208' | 0 | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3414 | 257' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3415 | 257'-271' | 0 | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 282-287 | 3416 | 108' | +15'-20' | P 32'X2.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 282-287 | 3417 | 107' | 0 | P 5'X3' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 282-283 | 3418 | 113' | -7' | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 282-283 | 3419 | 114'-93' | 0 | P 10'X21' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 282-283 | 3420 | 114'-116' | -2' | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 282-283 | 3421 | 116' | -2' | P 1'X1' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3422 | 359' | 0 | P 2.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3423 | 356'-358' | +1' | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3424 | 356' | +3' | P 1'X1' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3425 | 271' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-429 | 3426 | 208' | 0 | P 2'X1' | E | AL | 171 | 10/27/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/27/95 | 426-429 | 3427 | 206'-205' | +1' | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-429 | 3428 | 205' | +3' | P 1.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-430 | 3429 | 87' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430 | 3430 | 359' | 0 | P 4'X2' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430 | 3431 | 362' | 0 | P 2'X4' DS211 | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3432 | 433' | 0 | P 1'X1' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3433 | 451' | 0 | P 2.5'X3' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3434 | 451'-457' | 0 | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-427-429 | 3435 | 311' | 0 | P 2'X3' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 427-429-431 | 3436 | 188' | 0 | P 2'X3' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-431 | 3438 | 184' | 0 | P 1'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-431 | 3439 | 188'-184' | +3' | EXT | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-431 | 3441 | 169' | 0 | P 1.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 429-430-431 | 3442 | 153' | 0 | P 2'X3' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 430-431 | 3443 | 40' | +9' | P 2'X2' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430 | 3444 | 467' | -7' | P 1.5'X1.5' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430 | 3445 | 465' | 0 | P 1.5'X2' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 423-430 | 3446 | 482' | -4' | P 9'X6' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 420-423 | 3447 | 515' | -7' | P 6'X14' | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 248-436 | 3448 | 0'-16' | 0 | EXT | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 248-436 | 3449 | 14 | -4' | G 5' | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 7-436 | 3450 | 97'-113' | 0 | EXT | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 7-8-436 | 3451 | 97 | 0 | P 1.5X2 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 8-436 | 3452 | 81 | -3' | P 1X1 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 9-8-436 | 3453 | 76 | 0 | P 2X1.5 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 9-435-436 | 3454 | 60 | 0 | P 1.5X1.5 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 9-10-435 | 3455 | 54 | 0 | P 1.5X2 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 9-435 | 3456 | 54'-60' | 0 | EXT | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 10-11-435 | 3457 | 33 | 0 | P 1.5X1.5 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 11-435 | 3458 | 20 | +3' | P 1X1 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 11-435 | 3459 | 16 | +2' | P 1X1 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 11-12-435 | 3460 | 11 | 0 | P 1.5X1.5 | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 1-435 | 3461 | 0'-11' | 0 | EXT | E | KO | 205 | 10/27/95 | CS | P | NMB |
| 10/27/95 | 419-420 | 3462 | 175 | 0 | P 2X5 DS-209 | E | SH | 198 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 419-421-422 | 3463 | 502 | 0 | P 2X2 | E | AL | 171 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 420-423 | 3464 | 50 | 0 | P 2X5 DS-210 | E | SH | 198 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 430-431 | 3465 | 30 | 0 | P 2X2 | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 430-431 | 3466 | 30 | 0 | G 0'-6' | E | KC | 133 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-428 | 3467 | 26 | 0 | P 2X5 DS-212 | E | KC | 133 | 10/27/95 | TL | P | DDW |

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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/27/95 | 426-433 | 3468 | 135 | +0'-5' | G | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3469 | 135 | -0'-5' | G | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3470 | 135 | +5' | P 1X1 | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3471 | 135 | -5' | P 1X1 | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3472 | 175 | 0 | P 2X5 DS-213 | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3473 | 262 | +0'-4' | G | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 426-433 | 3474 | 262 | +4' | P 1X1 | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 287-433 | 3475 | 346'-359' | 0 | EXT | E | CS | 205 | 10/27/95 | TL | P | DDW |
| 10/27/95 | 424-287 | 4388 | 107' | 0 | P 2'X2' | E | VS | 205 | 10/27/95 | TL | P | DDW |
| 10/30/95 | 407-437 | 3480 | 39' | 0 | P 1'X1' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 407-437 | 3481 | 39'-22' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 407-440 | 3482 | 22'-11' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 407-437 | 3483 | 22'-25' | +2' | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 407-437 | 3484 | 25' | +4' | P 1'X1' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 437-438-440 | 3485 | 24' | 0 | P 2.5'X2.5' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 407-439 | 3486 | 0'-22' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 385-439 | 3487 | 0'-14' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 384-385-439 | 3488 | 48' | 0 | P 1.5'X2' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 384-439 | 3489 | 48'-44' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 384-439-441 | 3490 | 44' | 0 | P 2'X2' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 439-441 | 3491 | 28'-44' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 439-440 | 3492 | 0'-11' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 440-441 | 3493 | 22'-28' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 440-443 | 3494 | 19'-22' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 441-443 | 3495 | 50'-43' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 438-440-443 | 3496 | 19' | 0 | P 1.5'X1.5' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 441-442-443 | 3497 | 43' | 0 | P 1.5'X2.5' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 442-443 | 3498 | 2' | 0 | P 1'X1.5' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 384-441 | 3499 | 14' | 0 | P 2.5'X3' | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 384-441 | 3500 | 0'-14' | 0 | EXT | E | CS | 205 | 10/30/95 | TL | P | DDW |
| 10/30/95 | 433-287 | 4859 | 355' | 0 | DS-215 2'X 4' | E | CS | 205 | 10/30/95 | IS | P | RI |
| 11/1/95 | 420-449 | 3601 | 0'-14' | 0 | EXT | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 420-444 | 3603 | 13'-22' | 0 | EXT | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 423-444 | 3604 | 0'-13' | 0 | EXT | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 423-444 | 3605 | 95'-101' | 0 | EXT | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 287-423-444 | 3606 | 95' | 0 | P 2'X2' | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 287-444 | 3607 | 72'-95' | 0 | EXT | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 282-287-444 | 3608 | 72' | 0 | P 1'X1.5' | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 282-444 | 3609 | 50'-72' | -1' | P 1'X22' | E | KC | 133 | 11/6/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/1/95 | 283-444 | 3610 | 50'-30' | 0 | EXT | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 283-444 | 3611 | 27' | +4' | BOOT 3.5'X3' | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 283-284-444 | 3612 | 17'-30' | 0 | P 6'X13' | E | KC | 133 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 20-21-444 | 3613 | 0' | 0 | P 2.5'X4' | E | AL | 205 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 284-444 | 3614 | 6'-17' | 0 | EXT | E | AL | 205 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 20-444 | 3615 | 0'-6' | 0 | EXT | E | AL | 205 | 11/6/95 | TL | P | DDW |
| 11/1/95 | 21-444 | 3616 | 0'-22' | 0 | EXT | E | AL | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 448-449 | 3501 | 173'-126' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 444-445-448 | 3502 | 126' | 0 | P 1.5'X3' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 444-445 | 3503 | 83' | 0 | P 2'X2' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 444-445 | 3504 | 0'-2' | 0 | P 1.5'X3' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 22-445 | 3505 | 0'-22' | 0 | EXT | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 23-445 | 3506 | 0'-10' | 0 | EXT | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 23-445-446 | 3507 | 10' | 0 | P 1.5'X4.5' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 445-446 | 3508 | 40' | 0 | P 2'X5' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 445-446 | 3509 | 58' | 0 | P 2.5'X2.5' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 445-446-448 | 3510 | 122' | 0 | P 2'X3' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 446-448-453 | 3511 | 159' | 0 | P 2'X2' | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 446-453 | 3512 | 0'-22' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 446-447-453 | 3513 | 150' | 0 | P 1.5'X1.5' | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-453 | 3514 | 150'-173' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-451 | 3515 | 22'-45' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-452 | 3516 | 162'-144' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 450-452 | 3517 | 0'-22' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3518 | 140' | 0 | P 2'X4' DS 217 | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3519 | 140'-144' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3520 | 106' | 0 | P 1'X.5' | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3521 | 87' | 0 | P 1'X.5' | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3522 | 140'-106' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3523 | 106'-87' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3524 | 87'-43' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 446-447 | 3525 | 60' | 0 | P 1.5'X2' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 446-447 | 3526 | 50' | 0 | P 3'X5' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 23-446 | 3527 | 0'-22' | 0 | EXT | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 23-24-446 | 3528 | 0 | 0 | P 2'X5' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 24-447 | 3529 | 0'-22' | 0 | EXT | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 25-447 | 3530 | 0'-17' | 0 | P 4'-17' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 25-450 | 3531 | 0'-22' | 0 | P 3'X22' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 447-450 | 3532 | 17'-43' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/6/95 | 447-450 | 3533 | 43' | 0 | 1'X.5' | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 451-452 | 3534 | 45'-69' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 452-461 | 3535 | 136'-125' | 0 | EXT | E | CS | 205 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 25-114-454 | 3536 | 0'-6' | 0 | P 3'X6' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 450-454 | 3537 | 0'-22' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 450-454-455 | 3538 | 22' | 0 | P 1.5'X2' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 454-455-456 | 3544 | 49' | 0 | P 1.5'X2.5' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 455-456-457 | 3545 | 49' | 0 | P 1.5'X2' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 457-458 | 3546 | 24' | 0 | P 2.5'X2.5' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 457-458-459 | 3547 | 72' | 0 | P 2'X2.5' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 458-459-460 | 3548 | 71' | 0 | P 2'X2.5' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 459-460 | 3549 | 81' | 0 | P 1.5'X1.5' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 459-460 | 3550 | 89' | 0 | P 1.5'X2' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 324-451 | 3577 | 51'-72' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 325-451 | 3578 | 28'-51' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 325-326-451 | 3579 | 28' | 0 | P 2'X1' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 326-451 | 3580 | 6'-28' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 327-451 | 3581 | 0'-6' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 414-451 | 3582 | 0'-12' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 445-451 | 3583 | 0'-13' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 448-451-453 | 3584 | 187' | 0 | P 2'X2' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 451-453 | 3585 | 0'-22' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 448-453 | 3586 | 181' | 0 | P 2'X4' DS 216 | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 414-448 | 3587 | 0'-10' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 416-448 | 3588 | 183'-204' | 0 | EXT | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 416-448 | 3589 | 198' | +3' | P 2'X2' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 416-448 | 3590 | 191' | +4' | P 1.5'X2' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 416-417-448 | 3591 | 183' | 0 | P 1'X1.5' | E | VS | 198 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 417-448 | 3592 | 173'-183' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 417-449 | 3593 | 4'-17' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 417-419-449 | 3594 | 4' | 0 | P 1'X2' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 419-449 | 3595 | 0'-4' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 419-449 | 3596 | 19'-31' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 419-448-449 | 3597 | 0'-10' | +5' | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 419-448-449 | 3598 | 0'-10' | +5' | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 419-449 | 3599 | 14'-19' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 419-420-449 | 3600 | 14' | 0 | P 2'X1.5' | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/6/95 | 114-454 | 3617 | 6'-26' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/6/95 | 27-454 | 3618 | 26'-48' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/6/95 | 114-27 | 4392 | 473'-466' | 0 | EXT | E | AL | 132 | 11/6/95 | TL | P | DDW |
| 11/7/95 | 450-455-457 | 3539 | 44' | 0 | P 2.5'X4' | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 450-457-458 | 3540 | 66' | 0 | P 2'X2' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 450-458 | 3541 | 66'-70' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 450-458 | 3542 | 70' | -1' | P 2'X2.5' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 450-458 | 3543 | 70' | -3' | BOOT 4'X4' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 450-461 | 3561 | 110'-125' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 450-460-461 | 3562 | 110' | 0 | P 2'X2' | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 451-452-461 | 3563 | 0'-12' | 0 | P 3.5'X12' | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 451-461 | 3564 | 12'-19' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 451-461-462 | 3565 | 19' | 0 | P 1.5'X2' | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 451-462 | 3566 | 0'-20' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 317-451 | 3567 | 95'-92' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 323-451 | 3568 | 92'-83' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 323-451 | 3569 | 89' | -1' | P 1'X1.5' | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 323-451 | 3570 | 72'-83' | -1' | P 2'X11' | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 317-462 | 3571 | 95'-115' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 317-320-462 | 3572 | 115' | 0 | P 1'X2' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 320-463 | 3573 | 115'-138' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 461-462-463 | 3574 | 42' | 0 | P 2'X2' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 321-463 | 3575 | 138'-161' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 322-463 | 3576 | 161'-166' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 444-449 | 3602 | 0'-10' | 0 | EXT | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 28-454 | 3619 | 48'-70' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 29-454 | 3620 | 70'-85' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 29-454 | 3622 | 85'-90' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 29-110-454 | 3623 | 90' | 0 | P 2'X2.5' | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 110-454 | 3624 | 0'-7' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 110-454-468 | 3625 | 0' | 0 | P 1.5'X2' | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 314-461 | 3672 | 38'-60' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 315-461 | 3673 | 38'-15' | 0 | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 315-461 | 3674 | 27' | +1' | EXT | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 315-461 | 3675 | 27' | +3' | P 1'X1' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 315-316-461 | 3676 | 15' | -2' | P 1'X2' | E | VS | 198 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 316-461 | 3677 | 15'-0' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 316-463 | 3678 | 166'-172' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 324-323 | 4389 | 2' | 0 | P 1'X2' | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 323-317 | 4390 | 0'-5' | 0 | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 323-317 | 4391 | 5' | 0 | P 1'X1.5' | E | KC | 133 | 11/7/95 | TL | P | DDW |

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GEOMEMBRANE REPAIR LOG

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/7/95 | 467-457 | 4393 | 122' | 0 | P 2'X4' DS219 | E | AL | 132 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 463-321 | 4395 | 140' | -1' | EXT | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/7/95 | 463-321 | 4396 | 140' | -2' | P 2'X1' | E | KC | 133 | 11/7/95 | TL | P | DDW |
| 11/8/95 | 457-459 | 3551 | 94' | 0 | P 2.5'X2' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 456-457 | 3552 | 93'-104' | 0 | EXT | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 456-457-467 | 3553 | 104' | 0 | P 1.5'X1.5' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 454-456 | 3554 | 93'-101' | 0 | P 2'X8' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 460-461-464 | 3555 | 114' | 0 | P 1.5'X3' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 459-460-464 | 3556 | 114' | 0 | P 2'X3' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 459-464-465 | 3557 | 133' | 0 | P 4'X3' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 459-465-466 | 3558 | 135' | 0 | P 2'X1.5' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 457-459-466 | 3559 | 128' | 0 | P 1.5'X2' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 457-466-467 | 3560 | 125' | 0 | P 2'X4' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 29-454 | 3621 | 85' | 0 | P 2'X4' DS 218 | E | KC | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 110-468 | 3626 | 0'-14' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 111-486 | 3627 | 14'-37' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 112-468 | 3628 | 37'-59' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 113-468 | 3629 | 59'-80' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 115-468 | 3630 | 0'-4' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 116-468 | 3631 | 4'-7' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 468-473 | 3632 | 0'-17' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 116-473 | 3633 | 7'-29' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 116-117-473 | 3634 | 29' | 0 | P 2.5'X2.5' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 117-473 | 3635 | 29'-46' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 117-472 | 3636 | 46'-55' | 0 | EXT | E | KC | 198 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 118-472 | 3637 | 55'-79' | 0 | EXT | E | KC | 198 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 472-473 | 3638 | 224'-208' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 472-473 | 3639 | 189'-208' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 116-472-473 | 3640 | 0'-8' | +4' | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 468-472 | 3641 | 189'-167' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 467-468-472 | 3642 | 167' | 0 | P 2'X5' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 456-467-468 | 3643 | 104' | 0 | P 2'X2' | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 456-468 | 3644 | 100'-104' | 0 | EXT | E | AL | 132 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 467-472 | 3645 | 0'-22' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 466-467-471 | 3646 | 169' | 0 | P 2'X2' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 471-472 | 3647 | 169'-172' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 471-472 | 3648 | 172' | 0 | P 1'X1' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 366-471 | 3649 | 0'-22' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 119-472 | 3650 | 79'-82' | 0 | EXT | E | KC | 198 | 11/8/95 | TL | P | DDW |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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GEOMEMBRANE REPAIR LOG

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/8/95 | 119-471-472 | 3651 | 82' | 0 | P 2'X2' | E | KC | 198 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 465-470-471 | 3652 | 179' | 0 | P 1.5'X1.5' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 465-471 | 3653 | 174'-179' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 465-466 | 3654 | 159'-174' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 465-466 | 3655 | 159' | -4' | BOOT 11'X4.5' | E | KC | 198 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 464-465-469 | 3656 | 160' | 0 | P 2'X4' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 465-469 | 3657 | 160'-173' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 469-470 | 3658 | 173'-175' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 469-470 | 3659 | 175' | 0 | P 1'X1' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 465-470 | 3660 | 0'-22' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 464-469 | 3661 | 0'-22' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 469-470-474 | 3662 | 222' | 0 | P 2'X3' | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 469-474 | 3663 | 0'-22' | 0 | EXT | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 309-474 | 3664 | 228'-222' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 309-469 | 3665 | 222'-204' | 0 | EXT | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 312-469 | 3666 | 204'-181' | 0 | EXT | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 312-313-469 | 3667 | 181' | 0 | P 1'X1' | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 313-469 | 3668 | 181'-160' | 0 | EXT | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 313-469 | 3669 | 163' | -2' | P 1.5'X3' | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 461-464-469 | 3670 | 160' | 0 | P 2'X2' | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 313-461 | 3671 | 0'-3' | 0 | EXT | E | LK | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 308-474 | 3679 | 228'-252' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 308-474 | 3680 | 237' | +3' | P 1.5'X1.5' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 306-474 | 3681 | 252'-274' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 470-474-475 | 3682 | 275' | 0 | P 1'X1' | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 470-475 | 3683 | 0'-22' | 0 | EXT | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 470-474 | 3684 | 264' | +11' | BOOT 5'X 7' | E | KC | 133 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 470-471 | 3685 | 275' | 0 | P 2'X4' DS 220 | E | VS | 198 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 470-471-475 | 3686 | 280' | 0 | P 2'X2' | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/8/95 | 128-471 | 3687 | 0'-6' | 0 | EXT | E | KC | 198 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 129-471 | 3688 | 101'-107' | 0 | EXT | E | KC | 198 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 119-471 | 3689 | 82'-101' | 0 | EXT | E | KC | 198 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 128-475 | 3690 | 0'-17' | 0 | EXT | E | VS | 198 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 127-128-475 | 3691 | 17' | 0 | P 10'X3' | E | VS | 198 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 127-475 | 3692 | 17'-29' | 0 | EXT | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/8/95 | 112-113 | 4394 | 480'-477' | 0 | EXT | E | CS | 205 | 11/8/95 | TL | P | DDW |
| 11/9/95 | 127-474-475 | 3693 | 29' | 0 | P 2'X2' | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 127-474 | 3694 | 29'-38' | 0 | EXT | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 126-304-474 | 3695 | 38' | 0 | P 1'X1' | E | CS | 205 | 11/9/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/9/95 | 304-474 | 3696 | 0'-8' | 0 | EXT | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 304-474 | 3697 | 10' | 0 | P 2'X1' | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 304-474 | 3698 | 0'-10' | 0 | EXT | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 305-474 | 3699 | 274'-297' | 0 | EXT | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 305-306-474 | 3700 | 274' | 0 | P 2'X1' | E | CS | 205 | 11/9/95 | TL | P | DDW |
| 11/9/95 | 368-369 | 3701 | 105' | +6' | P 9'X2.5' | E | VS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 361-364 | 3702 | 51'-61' | 0 | C 2'X7'DS-186B | E | VS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 361-364 | 3703 | 51'-40' | 0 | C 2'X7' | E | VS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 363-364 | 3704 | 0'-6' | 0 | C 2'X6'DS-186A | E | VS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 154-107 | 3705 | 106'-84' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 155-476 | 3706 | 84'-62' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 156-476 | 3707 | 62'-40' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 157-476 | 3708 | 40'-17' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 157-476 | 3709 | 30' | -6' | P 2.5'X2.5' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 157-476 | 3710 | 23' | -10' | P 4'X4' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 158-476 | 3711 | 17'-0' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 158-281 | 3712 | 0'-8' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 158-281 | 3713 | 8' | -3' | P 1'X1' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 281-476 | 3714 | 0'-22' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 281-476-477 | 3715 | 5' | 0 | P 3'X2.5' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 281-477 | 3716 | 5'-0' | 0 | EXT | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 275-477 | 3717 | 0'-18' | 0 | EXT | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 275-477 | 3718 | 10' | -1' | P 2'X1' | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 280-477 | 3719 | 18'-22' | 0 | EXT | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 280-477-478 | 3720 | 0' | 0 | P 1.5'X1.5' | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 477-478 | 3721 | 10' | 0 | P 1'X1' | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 280-478 | 3722 | 0'-14' | 0 | EXT | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 262-478 | 3723 | 14'-22' | 0 | EXT | E | LK | 132 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 261-262-478 | 3724 | 0' | +1' | P 2'X1.5' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 261-478 | 3725 | 0'-22' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 261-479 | 3726 | 0'-12' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 260-479 | 3727 | 0'-10' | +1' | P 1.5'X10' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 260-479 | 3728 | 10'-22' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 259-479 | 3729 | 22'-44' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 259-479 | 3730 | 28' | +2' | P 1.5'X1.5' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 258-259-479 | 3731 | 44' | +1' | P 1'X2' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 258-479 | 3732 | 44'-54' | 0 | EXT | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 479-480 | 3733 | 0'-10' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 258-480 | 3734 | 54'-66' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/9/95 | 257-480 | 3735 | 66'-88' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 256-257-480 | 3736 | 88' | +1' | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 256-257-480 | 3737 | 88' | +3' | P 2.5'X2.5' | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 256-480 | 3738 | 88'-110' | 0 | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 478-479-480 | 3739 | 79' | 0 | P 1.5'X2' | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 261-478-479 | 3740 | 22' | 0 | P 2'X2' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 477-478 | 3741 | 58' | 0 | P 2'X4' DS 221 | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 476-477 | 3742 | 66' | 0 | P 1.5'X1.5' | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 261-478 | 3743 | 3' | -2' | P 1'X1' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 154-155-476 | 3744 | 84' | 0 | P 2'X2' | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 154-155-476 | 3745 | 84' | +1' | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 154-155-476 | 3746 | 84' | +3' | P 1'X1' | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 155-156-476 | 3747 | 62' | -1' | EXT | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/9/95 | 155-156-476 | 3748 | 62' | -3' | P 2'X1.5' | E | KC | 198 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 282-287 | 3825 | 1'-16' | 0 | CAP 2'X15' | E | AL | 132 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 430-431 | 3826 | 37'-55' | 0 | CAP 2'X18' | E | AL | 132 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 426-433 | 3827 | 355'-374' | 0 | CAP 3'X19' | E | AL | 132 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 419-421 | 3828 | 523' | +6' | P 2'X2' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 420-421 | 3829 | 130'-155' | 0 | CAP 2'X25' | E | VS | 198 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 418-419 | 3830 | 0'-20' | 0 | CAP 3'X20' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 417-419 | 3831 | 535'-540' | 0 | CAP 2'X5' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 417-419 | 3832 | 534'-540' | +5' | P 2'X11' | E | CS | 205 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 416-417 | 3833 | 511'-539' | -7' | P 3'X15' | E | VS | 198 | 11/10/95 | TL | P | DDW |
| 11/10/95 | 419-422 | 4387 | 469'-502' | 0 | C 2'X33' | E | VS | 198 | 11/10/95 | TL | P | DDW |
| 11/13/95 | 291-481 | 3750 | 0'-35' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 288-481 | 3751 | 36' | +5' | BOOT 4'X 3' | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 288-481 | 3752 | 47' | +4' | P 2'X1' | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 288-481 | 3753 | 52' | 0 | P 2'X2' | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 137-481 | 3754 | 0'-9' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 137-481 | 3755 | 9' | -2' | P 1'X1.5' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 137-481 | 3756 | 9'-20' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 137-481-482 | 3757 | 20' | 0 | P 2'X2' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 481-482 | 3758 | 6' | -3' | P 2'X2' | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 481-482 | 3759 | 10' | -3' | P 1'X2' | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 136-482 | 3760 | 3' | +4' | P 2'X1.5' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 136-482 | 3761 | 0'-21' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 133-482 | 3762 | 21'-23' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 133-483 | 3764 | 0'-20' | 0 | EXT | E | VS | 198 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 483-484 | 3765 | 5'-9' | 0 | P 2'X4' | E | AL | 132 | 11/16/95 | TL | P | DDW |

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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/13/95 | 139-483-484 | 3766 | 0'-5' | 0 | P 5'X11' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 139-484 | 3767 | 11'-19' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 140-484 | 3768 | 19'-23' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 140-484-485 | 3769 | 23' | 0 | P 1'X2' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 140-485 | 3770 | 0'-20' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 141-485 | 3771 | 20'-23' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 141-485-486 | 3772 | 23' | 0 | P 2'X2' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 485-486 | 3774 | 102' | +6' | BOOT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 141-486 | 3775 | 0'-20' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 142-486 | 3776 | 20'-23' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 142-486-487 | 3777 | 23' | 0 | P 2'X1' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 142-487 | 3778 | 0'-20' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 143-487 | 3779 | 20'-22' | 0 | EXT | E | KC | 113 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 143-487-488 | 3780 | 22' | 0 | P 1'X2' | E | KC | 113 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 143-488 | 3781 | 0'-22' | 0 | EXT | E | KC | 113 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 147-490 | 3782 | 0'-22' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 147-490-491 | 3783 | 22' | 0 | P 2'X2' | E | AL | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 148-491 | 3784 | 0'-22' | 0 | EXT | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 490-491-492 | 3785 | 64' | 0 | P 1'X2' | E | KC | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 490-492 | 3786 | 75' | 0 | P 2'X4' DS 223 | E | KC | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 488-490 | 3787 | 66' | 0 | P 1'X2' | E | KC | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 488-489-490 | 3788 | 75' | 0 | P 2'X2' | E | KC | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 487-488-489 | 3789 | 80' | 0 | P 2'X2' | E | KC | 132 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 288-481 | 3790 | 35'-42' | 0 | EXT | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 288-481 | 3791 | 42'-52' | 0 | EXT | E | CS | 205 | 11/16/95 | TL | P | DDW |
| 11/13/95 | 490-489 | 4403 | 103' | 0 | P 2'X2' | E | KC | 132 | 11/16/95 | TL | P | DDW |
| 11/16/95 | 485-486 | 3773 | 78' | 0 | P 2'X4' DS 222 | E | CS | 205 | 11/17/95 | RS | P | DDW |
| 11/16/95 | 479-260 | 3894 | 0'-10' | 0 | EXT. | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 256-255 | 3895 | 3' | 0 | P2X2 | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 256-255 | 3896 | 3' | 0 | EXT | E | VS | 198 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 498-480 | 3897 | 0'-10' | 0 | EXT | E | VS | 198 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 478-480-498 | 3898 | 136' | 0 | P2X2 | E | VS | 198 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 499-478-495 | 3899 | 186' | 0 | P2X2 | E | VS | 198 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 478-497-495 | 3900 | 186' | 0 | P2X2 | E | VS | 198 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 478-477-497 | 3901 | 133' | 0 | P1X1 | E | CS | 205 | 11/16/95 | RS | P | DWW |
| 11/16/95 | 477-478 | 3902 | 123'-133' | 0 | EXT | E | CS | 205 | 11/16/95 | RS | P | DWW |
| 11/16/95 | 477-478 | 3903 | 123' | 0 | P1X1 | E | CS | 205 | 11/16/95 | RS | P | DWW |
| 11/16/95 | 477-476 | 3904 | 123' | 0 | P1X1 | E | CS | 205 | 11/16/95 | RS | P | DWW |
| 11/16/95 | 477-476 | 3905 | 123'-127' | 0 | EXT | E | CS | 205 | 11/16/95 | RS | P | DWW |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/16/95 | 477-476-497 | 3906 | 127' | 0 | P1X1 | E | CS | 205 | 11/16/95 | RS | P | DWW |
| 11/16/95 | 497-476-495 | 3907 | 183' | 0 | P2X2 | E | CS | 205 | 11/16/95 | RS | P | DWW |
| 11/16/95 | 496-476 | 3908 | 0-22' | 0 | EXT | E | AL | 132 | 11/16/95 | TL | P | DWW |
| 11/16/95 | 476-151-152 | 3909 | 136'-173' | 0 | P2X35 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 154-153-151 | 3910 | 106'-136' | 0 | P2X35 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 254-499 | 3918 | 16' | 0 | P2X5 DS-224 | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 254-495 | 3919 | 67'-72' | 0 | P2X5 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 253-495 | 3920 | 0-22' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 253-252-495 | 3921 | 102' | 0 | P2X2 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 495-494 | 3922 | 92' | 0 | P1X1 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 495-493-494 | 3923 | 74' | 0 | P2X4 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 495-496 | 3924 | 197'-205' | 0 | EXT | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 476-150 | 3925 | 173'-185' | 0 | EXT | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 150-496 | 3926 | 185'-191' | 0 | EXT | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 150-149-498 | 3927 | 191' | 0 | P2X2 | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 149-496 | 3928 | 191'-195' | 0 | EXT | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 149-493 | 3929 | 4'-22' | 0 | EXT | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 496-493 | 3930 | 0'-25' | 0 | EXT | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 249-500 | 3931 | 0-7' | 0 | EXT | E | VS | 133 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 249-18 | 3932 | 7'-13' | 0 | EXT | E | VS | 133 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 493-491-492 | 3933 | 57' | 0 | P2X2 | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 249-18 | 3934 | 13' | 0 | P2X2 | E | CS | 205 | 11/17/95 | RS | P | DWW |
| 11/16/95 | 493-492-494 | 3937 | 71' | 0 | P2X2 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 492-252 | 3938 | 21'-23' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 252-247 | 3939 | 0-5' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 252-247 | 3940 | 5' | 0 | P2X2 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 247-492 | 3941 | 0-21' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 247-490 | 3942 | 0-6' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 248-490 | 3943 | 0-17' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 490 | 3944 | 3' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 250-249 | 3946 | 4'-14' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 250-249 | 3947 | 14' | 0 | BOOT 4X4 | E | CS | 205 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 487-500 | 3948 | 15'-23' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 487-486 | 3949 | 107'-112' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 486-500 | 3950 | 0-21' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 486-485 | 3951 | 108' | 0 | P2X2 | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 486-485 | 3952 | 108'-116' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 500-485 | 3953 | 116'-126' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 18-500 | 3954 | 0'-22' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/16/95 | 17-500 | 3955 | 0-7' | 0 | EXT | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 17-485 | 3956 | 7'-22' | 0 | EXT | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 16-485 | 3957 | 0-7' | 0 | EXT | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/16/95 | 490-R3944 | 4397 | 115'-118' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DDW |
| 11/16/95 | 489-R3944 | 4398 | 0'-15' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DDW |
| 11/16/95 | 249-R3944 | 4399 | 0'-4' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DDW |
| 11/16/95 | 250-R3944 | 4400 | 0'-10' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DDW |
| 11/16/95 | 248-R3944 | 4401 | 0'-5' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DDW |
| 11/16/95 | 489-249 | 4402 | 15'-23' | 0 | EXT | E | CS | 205 | 11/17/95 | TL | P | DDW |
| 11/17/95 | 480-478 | 3911 | 125' | 0 | P2X2 | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 255-498 | 3912 | 110'-131' | 0 | EXT | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 255-499 | 3913 | 5' | 0 | 4X4 BOOT | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 255-499 | 3914 | 0-10' | 0 | EXT | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 498-499-478 | 3915 | 158' | 0 | P2X2 | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 498-499 | 3916 | 0-9' | 0 | EXT | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 254-299 | 3917 | 0-22' | 0 | EXT | E | VS | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 487-486 | 3935 | 107' | 0 | P2X2 | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 494-252 | 3936 | 0-21' | 0 | EXT | E | VS | 133 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 485-484 | 3958 | 125' | 0 | P2X2 | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 485-484 | 3959 | 125'-130' | 0 | EXT | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 16-484 | 3960 | 7'-22' | 0 | EXT | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 484-483 | 3961 | 110' | 0 | P2X2 | E | AL | 132 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 484-483 | 3962 | 120' | 0 | P2X2 | E | AL | 133 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 484-485 | 3963 | 120'-133' | 0 | EXT | E | AL | 133 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 15-484 | 3964 | 15'-21' | 0 | EXT | E | AL | 133 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 15-483 | 3965 | 0-16' | 0 | EXT | E | AL | 133 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 14-483 | 3966 | 16'-22' | 0 | EXT | E | LK | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 483-482 | 3967 | 137' | 0 | P2X2 | E | LK | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 483-482 | 3968 | 137'-140' | 0 | EXT | E | LK | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 14N-482 | 3969 | 0-15' | 0 | EXT | E | LK | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 14E-482 | 3970 | 140'-145' | 0 | EXT | E | LK | 198 | 11/17/95 | TL | P | DWW |
| 11/17/95 | 482-13 | 3971 | 15'-21' | 0 | EXT | E | LK | 198 | 11/17/95 | RS | T | TTT |
| 11/17/95 | 482-481 | 3972 | 134' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 13-482 | 3973 | 21' | -6' | P2X5 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 482-481-13 | 3974 | 154' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 13-481 | 3975 | 12' | -2' | P4X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 13-481 | 3976 | 18' | -2' | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 13-501 | 3977 | 9' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 13-501 | 3978 | 0-9' | 0 | EXT | E | AL | 132 | 11/17/95 | RS | P | DWW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/17/95 | 288 | 3979 | 156'161' | 0 | P5X22 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 481-R3979 | 3980 | 156'-161' | 0 | EXT | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 288-481 | 3981 | 133' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 288-481 | 3982 | 133'-156' | 0 | EXT | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 288-R3979 | 3983 | 151' | 11' | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 288-R3979 | 3984 | 0-22' | 0 | EXT | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 493-495 | 3985 | 49' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 493-491 | 3986 | 39' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/17/95 | 494-492 | 3987 | 85' | 0 | P2X2 | E | AL | 132 | 11/17/95 | RS | P | DWW |
| 11/18/95 | 481-13 | 3988 | 0'-17' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 481-501 | 3989 | 0-6' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 297-R4070 | 3990 | 19'-22' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-13-501 | 3991 | 67' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-501 | 3992 | 67'-78' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-501 | 3993 | 78' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-501 | 3994 | 78'-84' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-501 | 3995 | 84' | 0 | P2X1 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-501 | 3996 | 120' | 0 | DS225 P2X5 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 1-501 | 3997 | 166' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 7-501 | 3998 | 225'-228' | 0 | P2X3 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 7-501 | 3999 | 228'-242' | 0 | EXT 14' | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 7-501 | 4000 | 242' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 7-501 | 4001 | 249' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 435-R4003 | 4002 | 0-14' | 0 | EXT | E | CS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 7-435-501 | 4003 | 307'-325' | 0 | P8X14 | E | CS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-R4003 | 4004 | 307'-325' | 0 | EXT | E | CS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 7-R4003 | 4005 | 0-8' | 0 | EXT | E | CS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-R3979 | 4006 | 6'-21' | 0 | EXT | E | CS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4007 | 0-12' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4008 | 12' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501 | 4009 | 77' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4010 | 67' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502 | 4011 | 67' | 0 | P 7'X2' | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502 | 4012 | 77' | 0 | P 7'X2' | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4013 | 67'-77' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4014 | 77' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4015 | 225' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4016 | 225'-240' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 501-502 | 4017 | 240 | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/18/95 | 205-R3979 | 4018 | 17'-21' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 289-R3979 | 4019 | 173'-178' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 289E-502 | 4020 | 178'-184' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 289N-502 | 4021 | 0-17' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 289-290 | 4022 | 181' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 289-290 | 4023 | 181'-196' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 289-R4025 | 4024 | 17'-21' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503 | 4025 | 0-2' | 0 | P2X22 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-R4025 | 4026 | 0-2' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 290-R4025 | 4027 | 0'-17' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-R4025 | 4028 | 0-22' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4029 | 2'-5' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4030 | 5' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4031 | 218' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4032 | 218'-234' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-502 | 4033 | 229' | 0 | P2X4 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4034 | 229' | -4' | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4035 | 0-4' | -4' | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4036 | 234' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 502-503 | 4037 | 272' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4038 | 32' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4039 | 101' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 504 | 4040 | 105' | +17' | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4041 | 101'-111' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503 | 4042 | 105' | -6' | P2X6 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4043 | 111' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4044 | 217' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4045 | 217'-240' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4046 | 240' | +4' | BOOT 4X4 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 503-504 | 4047 | 266' | 0 | P2X5 DS226 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/18/95 | 505-503-504 | 4048 | 278' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4049 | 92' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4050 | 92'-106' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4051 | 106' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4052 | 215' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4053 | 215'-228' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4054 | 228' | +9' | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 504-506 | 4055 | 228' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-295 | 4056 | 0-17' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |

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GEOMEMBRANE REPAIR LOG

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/20/95 | 507 | 4057 | 0-10' | 0 | P4X10 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 295-P4057 | 4058 | 17'-21' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 295-297 | 4059 | 244' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 295-297 | 4060 | 244'-250' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 503-290-294 | 4061 | | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | R4057-297 | 4062 | 250'-260' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | R4057-207 | 4063 | 0-4' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | R4057-506 | 4064 | 0-10' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 297-299 | 4065 | 262' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 297-299 | 4066 | 262'-273' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 297-299 | 4067 | 265' | -2' | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 297 | 4068 | 265' | -2' | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 299-R4070 | 4069 | 273'-278' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508 | 4070 | 5' | 0 | P5X8 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | R4070-508 | 4071 | 0-8' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | R4070-507 | 4072 | 0-5' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 297-507 | 4073 | 4-22' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4074 | 5' | 0 | P2X2 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4075 | 88' | -3' | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4076 | 90' | -3' | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4077 | 90' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4078 | 90'-104' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4079 | 104' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4080 | 104' | -3' | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4081 | 102' | -3' | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4082 | 110' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4083 | 149' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4084 | 214' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4085 | 214'-232' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4086 | 232' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4087 | 228' | +6' | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4088 | 228' | +6' | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 506-507 | 4089 | 289' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-299 | 4090 | 3'-22' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509 | 4091 | 0-2' | 0 | P2X6 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-R4091 | 4092 | 0-2' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 299-R4091 | 4093 | 19'-22' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 299-302 | 4094 | 264'-288' | 0 | CAP 2X24 | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | R4091-302 | 4095 | 288'-291' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/20/95 | R4091-509 | 4096 | 0-6' | 0 | EXT | E | AL | 132 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4097 | 77' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4098 | 77'-80' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4099 | 80' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4100 | 80'-96' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4101 | 96' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4102 | 118' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4103 | 210' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4104 | 210'-223' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 507-508 | 4105 | 223' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4106 | 84' | -18' | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4107 | 84' | -18' | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4108 | 73' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4109 | 73'-86' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4110 | 86' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4111 | 200' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4112 | 200'-214' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4113 | 214' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4114 | 214' | +9' | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-509 | 4115 | 211' | +9' | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 508-511 | 4116 | 282'-288' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4117 | 65' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4118 | 74' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4119 | 74'-86' | 0 | EXT | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4120 | 86' | 0 | P2X2 | E | KC | 133 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4121 | 198' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4122 | 198'-213' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 509-510 | 4123 | 213' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 511-510 | 4124 | 280'-287' | 0 | CAP 2X7 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 493-148 | 4125 | 23'-25' | 0 | EXT | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/20/95 | 493-491-148 | 4126 | 23' | 0 | P2X2 | E | VS | 205 | 11/21/95 | RS | P | DWW |
| 11/21/95 | 290-294 | 4127 | 189' | 0 | P2x2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 290-R4061 | 4128 | 0-7' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | R4025-R4061 | 4129 | 0-3' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 503-R4061 | 4130 | 3'-7' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 504-R4061 | 4131 | 0-5' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 290-294 | 4132 | 189'-199' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 199-214 | 4133 | 199'-214' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 504-294 | 4134 | 5'-22' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/21/95 | 506-294 | 4135 | 0-4' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 294-295 | 4136 | 224'-237' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 294-295 | 4137 | 224' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 302 | 4138 | 293'-304' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 302-509 | 4139 | 0-19' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 509-R4138 | 4140 | 0-11' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 302-R4138 | 4141 | 19'-22' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-R4138 | 4142 | 0-3' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 303-R4138 | 4143 | 293-304 | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 302-303 | 4144 | 284-293 | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 302-303 | 4145 | 284' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 303-307 | 4146 | 288' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 303-307 | 4147 | 296'-313' | 0 | P7X16 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 303-R4148 | 4148 | 296'-306' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 303-307 | 4149 | 288'-296' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 307-R4147 | 4150 | 296'-313' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-303 | 4151 | 3'-22' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-R4147 | 4152 | 0-8' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-512 | 4153 | 62' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-512 | 4154 | 62'-77' | 0 | EXT | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-512 | 4155 | 77' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-517 | 4156 | 152' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-512 | 4157 | 190' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 510-512 | 4158 | 190'-203' | 0 | EXT | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-510 | 4159 | 62' | +4' | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-510 | 4160 | 23' | +2' | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-R4147 | 4161 | 0-7' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-307 | 4162 | 7'-22' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 307-308 | 4163 | 308' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 307-308 | 4164 | 308'-325' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 308-513 | 4165 | 2'-20' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 307-513 | 4166 | 0-2' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-513 | 4167 | 54' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-513 | 4168 | 54'-69' | 0 | EXT | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-513 | 4169 | 69' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 512-513 | 4170 | 181' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 308-310 | 4171 | 318' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 308-310 | 4172 | 318'-333' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 308-513-514 | 4173 | 20' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/21/95 | 513-514 | 4174 | 53' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 513-514 | 4175 | 67' | 0 | P2X2 | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 513-514 | 4176 | 53'-67' | 0 | EXT | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 308-514 | 4177 | 20'-22' | 0 | EXT | E | KC | 133 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 513-514 | 4178 | 179' | 0 | P2X2 | E | VS | 205 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 513-514 | 4179 | 179'-185' | 0 | EXT | E | VS | 205 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 513-514 | 4180 | 185' | 0 | P2X2 | E | VS | 205 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 310-311 | 4181 | 342'-351' | 0 | P3X9 | E | VS | 205 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 310-514 | 4182 | 2'-20' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-R4181 | 4183 | 0-8' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 515-R4184 | 4184 | 0-5' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 310-311 | 4185 | 322' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 310-311 | 4186 | 322'-342' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 310-R4181 | 4187 | 20'-22' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 311-R4181 | 4188 | 342'-351' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-515 | 4189 | 51' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-515 | 4190 | 51'-63' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-515 | 4191 | 63' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-515 | 4192 | 174' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-515 | 4193 | 180' | 0 | P2X2 | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/21/95 | 514-515 | 4194 | 174'-187' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DWW |
| 11/22/95 | 299-508 | 4195 | 11' | 0 | P 2'X5' DS 227 | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 508-509 | 4196 | 184' | 0 | P 2'X5' DS 228 | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 513-514 | 4197 | 42' | 0 | P 2'X5' DS 229 | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 311-515 | 4198 | 5'-22' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 311-313 | 4199 | 337' | 0 | P 2'X2' | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 311-313 | 4200 | 337'-354' | 0 | EXT | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 311-313 | 4201 | 354' | 0 | P 2'X2' | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 313-517 | 4202 | 0'-20' | 0 | EXT | E | AL | 132 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4203 | 45' | 0 | P 2'X2' | E | KC | 133 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4204 | 45'-59' | 0 | EXT | E | KC | 133 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4205 | 0'-3' | +1' | EXT | E | AL | 132 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4206 | 56' | +3' | P 2'X2' | E | KC | 133 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4207 | 59' | 0 | P 2'X2' | E | KC | 133 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4208 | 169' | 0 | P 2'X2' | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4209 | 169'-182' | 0 | EXT | E | VS | 205 | 11/22/95 | RS | P | DDW |
| 11/22/95 | 515-517 | 4210 | 175' | -3' | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 515-517 | 4211 | 175' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 515-517 | 4212 | 175' | -7' | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |

Notes: (1) Repair Codes: P = Patch C = Cap G = Grind Weld DS = Destructive Sample R = Reconstruction
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INTERIM REMEDIAL PROGRAM
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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/22/95 | 515-517 | 4213 | 182' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 515-516-517 | 4214 | 249' | 0 | P 2'X2.5' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4215 | 205' | 0 | P 2'X5' DS 230 | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4216 | 179' | 0 | P 1.5'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4217 | 167'-179' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4218 | 167' | 0 | P 1.5'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4219 | 55' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4220 | 55'-54' | +2' | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4221 | 54' | +4' | P 1'X1' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4223 | 42' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4224 | 32' | -8' | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4225 | 17' | 0 | P 1.5'X2' | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4226 | 9' | +6' | BOOT 4'X4' | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4228 | 9' | +2' | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-518 | 4229 | 5'-9' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 517-R4231 | 4230 | 0'-5' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 314-517 | 4231 | 373'-378' | 0 | P 2'X5' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 314-R4231 | 4232 | 373'-378' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 313-R4231 | 4233 | 20'-22' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-R4231 | 4234 | 0'-2' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 313-314 | 4235 | 354'-373' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 313-314 | 4236 | 354' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 314-518 | 4237 | 2'-22' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 314-315 | 4238 | 356' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 314-315 | 4239 | 356'-371' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 314-519 | 4240 | 0'-2' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4241 | 39' | 0 | P 1.5'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4242 | 39'-52' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4243 | 52' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4244 | 97' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4245 | 162' | 0 | P 1.5'X1.5' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4246 | 162'-175' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4247 | 175' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4248 | 219' | 0 | P 1.5'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4249 | 219' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4250 | 175' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4251 | 160'-175' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4252 | 170' | -4' | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4253 | 170' | -9' | P 1'X1' | E | VS | 205 | 11/27/95 | TL | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/22/95 | 519-520 | 4254 | 160' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4255 | 53' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4256 | 40'-53' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4257 | 40' | 0 | P 1.5'X1.5' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4258 | 47'-49' | -2' | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-520 | 4259 | 49' | -5' | P 1.5'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 520-522 | 4260 | 0'-22' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 519-522 | 4261 | 0'-12' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 315-519 | 4262 | 2'-22' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 315-316 | 4263 | 360'-371' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 315-316 | 4264 | 360' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 316-522 | 4265 | 0'-12' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 316-317 | 4266 | 368' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 316-317 | 4267 | 368'-376' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 317-522 | 4268 | 0'-10' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 514-515 | 4269 | 187' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 514-515-516 | 4270 | 255' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 510-512 | 4271 | 203' | 0 | P2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/22/95 | 518-519 | 4810 | 249'-251' | +5' | P 3'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 510-512-526 | 4272 | 242' | 0 | P2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 512-526-527 | 4273 | 234' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 512-513 | 4274 | 193' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 512-513 | 4275 | 181'-193' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 513-514 | 4276 | 192' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 513-514-527 | 4277 | 222' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 522-R4279 | 4278 | 0'-6' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 317-521 | 4279 | 10'-22' | 0 | P 6'X12' | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-522 | 4280 | 6'-11' | 0 | P 2'X5' | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 317-R4279 | 4281 | 10'-22' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 323-R4279 | 4282 | 382'-389' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-R4279 | 4283 | 0'-11' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 317-323 | 4284 | 374'-382' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 317-323 | 4285 | 374' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 323-521 | 4286 | 11'-22' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4287 | 45' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4288 | 45'-60' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4289 | 59' | +5' | P 1'X1' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4290 | 60'-59' | +2' | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4291 | 60' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/27/95 | 520-521 | 4292 | 60'-65' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4293 | 65' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4294 | 164' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4295 | 170' | -2' | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4296 | 170' | -5' | P 1'X1' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4297 | 179' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 520-521 | 4298 | 164'-179' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4299 | 175' | 0 | P 2'X5' DS 231 | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4300 | 168' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4301 | 153'-168' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4302 | 153' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4303 | 51' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4304 | 39'-51' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 521-523 | 4305 | 39' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 323-523 | 4306 | 0'-11' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 323-324 | 4307 | 378' | 0 | P 1.5'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 323-324 | 4308 | 378'-396' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-324E | 4309 | 396'-400' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-324N | 4310 | 0'-11' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4311 | 0'-5' | 0 | EXT | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4312 | 5' | 0 | P 1.5'X1.5' | E | AL | 132 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4313 | 33' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4314 | 46'-33' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4315 | 41' | +8' | P 1'X1' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4316 | 41' | +3' | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4317 | 46' | 0 | P 2'X2' | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4318 | 126' | 0 | P 1'X1' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4319 | 154' | -5' | P 1'X1' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4320 | 154' | -2' | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4321 | 159' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4322 | 133'-159' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4323 | 196' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4324 | 218' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 524 | 4325 | 218'-223' | +22' | P 22'X5' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-R4325 | 4326 | 218'-223' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4404 | 133' | 0 | P 2'X2' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/27/95 | 523-524 | 4405 | 126'-133' | 0 | EXT | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 11/28/95 | 517-518 | 4222 | 55'-42' | 0 | EXT | E | KC | 133 | 11/27/95 | TL | P | DDW |
| 11/28/95 | 324-524 | 4406 | 0'-10' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/28/95 | 324-325 | 4407 | 394'-406' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 324-325 | 4408 | 394' | 0 | P 2'X5' DS 232 | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 324-325 | 4409 | 394'-385' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 324-325 | 4410 | 385' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 325-524 | 4411 | 10'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 325-525 | 4412 | 13'-19' | +2' | P 2'X6' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 325-R4412 | 4413 | 13'-19' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-R4412 | 4414 | 0'-3' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-R4412 | 4415 | 0'-6' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 325-525 | 4416 | 19'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 325-326 | 4417 | 391'-410' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 325-326 | 4418 | 391' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 326-525 | 4419 | 9'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 326-327-529 | 4420 | 0'-7' | 0 | P 7'X22' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 327-328-530 | 4421 | 410'-416' | 0 | P 6'X13' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 326-R4420 | 4422 | 13'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-R4420 | 4423 | 0'-7' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-R4420 | 4424 | 0'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4425 | 7'-14' | -7' | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4426 | 14' | -7' | BOOT 3'X3' | E | AL | 131 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-530 | 4427 | 0' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | R4420-R4421 | 4428 | 0'-6' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 327-R4420 | 4429 | 0'-10' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 326-327 | 4430 | 395'-408' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 326-327 | 4431 | 395' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 327-R4421 | 4432 | 10'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 530-R4421 | 4433 | 0'-10' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 327-328 | 4434 | 400' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 327-328 | 4435 | 400'-410' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-R4421 | 4436 | 410'-416' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-530N | 4437 | 416'-423' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-530E | 4438 | 0'-12' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 530-531 | 4439 | 118' | 0 | P 2'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 530-531 | 4440 | 118'-131' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 530-531 | 4441 | 131' | 0 | P 1.5'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 530-531 | 4442 | 173' | 0 | P 2'X5' DS 233 | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 530-531-534 | 4443 | 177' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-530 | 4448 | 181' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-530 | 4449 | 150' | 0 | P 2'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/28/95 | 529-530 | 4450 | 135'-150' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-530 | 4451 | 141' | +1' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-530 | 4452 | 135' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 529-530 | 4453 | 91' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4454 | 119' | 0 | P 2'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4455 | 138' | 0 | P 2'X2' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4456 | 143' | +4' | P 8'X8' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4457 | 143' | +11' | P 3'X6' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4458 | 146'-162' | +11' | P 16'X6' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4459 | 150' | -4' | P 9'X8' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4460 | 138'-148' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4461 | 148'-167' | 0 | CAP 2'X19' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4462 | 145'-149' | +8' | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-529 | 4463 | 149' | +7' | P 1'X1' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4464 | 152'-154' | -7' | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4465 | 154' | -4' | P 2'X7' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4466 | 145'-154' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4467 | 136'-145' | 0 | CAP 2'X9' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-528-529 | 4468 | 190' | 0 | P 2'X2' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 528-529-532 | 4469 | 4469 | 0 | P 2'X2' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 525-528 | 4470 | 0'-22' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-528 | 4471 | 196'-212' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 528-R4325 | 4472 | 212'-218' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4473 | 81' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4474 | 51' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4475 | 37'-51' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4476 | 48'-49' | +2' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4477 | 49' | +4' | P 1.5'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4478 | 43' | -4' | P 6'X8' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4479 | 44'-45' | +6' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4480 | 45' | +12' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 524-525 | 4481 | 37' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-531 | 4482 | 12'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-329 | 4483 | 405' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-329 | 4484 | 411' | -2' | P 1'X1' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 328-329 | 4485 | 405'-424' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 329-531E | 4486 | 424'-428' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 329-531N | 4487 | 0'-13' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 329-533 | 4488 | 13'-20' | +1' | P 2.5'X7' | E | AL | 132 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/28/95 | 329-533 | 4489 | 20'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 11/28/95 | 518-519 | 4809 | 244' | +5' | BOOT 5'X5' | E | VS | 205 | 11/27/95 | TL | P | DDW |
| 12/2/95 | 532-534 | 4444 | 199'-208' | -5' | P 9'X10' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 532-R4444 | 4445 | 199'-208' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 529-534 | 4446 | 194'-199' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 529-530-534 | 4447 | 194' | 0 | P 2'X2.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 329-537 | 4490 | 415'-428' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 329-333 | 4491 | 404'-415' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 329-333 | 4492 | 404' | 0 | P 1.5'X1.5' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 333-537 | 4493 | 0'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-537 | 4494 | 0'-14' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 535-537 | 4495 | 0'-8' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 333-334 | 4496 | 364' | 0 | P 1.5'X1.5' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 333-334 | 4497 | 364'-371' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 334-537 | 4498 | 371'-384' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 334-535-536 | 4499 | 0'-22' | 0 | P 3'X22' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 537-R4499 | 4500 | 384'-387' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 334-R4499 | 4501 | 0'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 535-R4499 | 4502 | 8'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-R4499 | 4503 | 0'-8' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-R4499 | 4504 | 390'-394' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 334-336 | 4505 | 372' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 334-336 | 4506 | 372'-390' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-536E | 4507 | 394'-400' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-536N | 4508 | 0'-20' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-536-539 | 4509 | 8' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-539E | 4510 | 0'-8' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-539N | 4511 | 0'-11' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-337 | 4512 | 291' | 0 | P 1.5'X1.5' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 336-337 | 4513 | 291'-304' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 337-539 | 4514 | 0'-17' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 337-540 | 4515 | 0'-5' | 0 | P 3'X5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 539-R4515 | 4516 | 0'-3' | 0 | EXT | E | LK | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-R4515 | 4517 | 0'-5' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 339-R4515 | 4518 | 275'-279' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 337-R4515 | 4519 | 17'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 337-339 | 4520 | 265'-275' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 337-339 | 4521 | 265' | 0 | P 1.5'X1.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 339-540 | 4522 | 0'-17' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/2/95 | 339-542 | 4523 | 0'-5' | 0 | P 3'X5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-R4523 | 4524 | 0'-3' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 542-R4523 | 4525 | 0'-5' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 340-R4523 | 4526 | 249'-252' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 339-R4523 | 4527 | 17'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 339-340 | 4528 | 244'-249' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 339-340 | 4529 | 244' | 0 | P 2'X1.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 340-542 | 4530 | 0'-18' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 340-543 | 4531 | 18'-22' | 0 | P 4'X4' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 542-R4531 | 4532 | 0'-4' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 543-R4531 | 4533 | 0'-3' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 343-R4531 | 4534 | 210'-214' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 340-R4531 | 4535 | 18'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 340-343 | 4536 | 207'-210' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 340-343 | 4537 | 207' | 0 | P 1.5'X1.5' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 539-540 | 4538 | 22' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-539 | 4539 | 22' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-535 | 4540 | 35' | 0 | P 2'X5' DS 234 | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-535 | 4549 | 113'-100' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533 | 4541 | 112' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533 | 4542 | 112'-114' | +2' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533 | 4543 | 114' | +4' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533 | 4544 | 112'-126' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533 | 4545 | 126' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533 | 4546 | 155' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 531-533-538 | 4547 | 175' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-535 | 4548 | 113' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-535 | 4550 | 100' | -4' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-535 | 4551 | 100' | -2' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 533-535 | 4552 | 100' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 535-536 | 4553 | 99' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 535-536 | 4554 | 99'-114' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 535-536 | 4555 | 114' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 535-536 | 4556 | 106' | -11' | EXT 22' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-539 | 4557 | 104' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-539 | 4558 | 104'-89' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-539 | 4559 | 93' | -6' | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-539 | 4560 | 91'-93' | -2' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 536-539 | 4561 | 89' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/2/95 | 535-536 | 4562 | 149' | -7' | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 539-540 | 4563 | 99' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 539-540 | 4564 | 99'-112' | 0 | EXT | E | KC | 113 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 539-540 | 4565 | 112' | 0 | P 2'X2' | E | KC | 113 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4566 | 96' | 0 | P 1.5'X1.5' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4567 | 96'-109' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4568 | 105' | -5' | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4569 | 106'-105' | -2' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4570 | 109' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 542-543 | 4571 | 92' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 542-543 | 4572 | 92'-107' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 542-543 | 4573 | 107' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4574 | 134' | -3' | P 1'X1' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4575 | 138' | -3' | P 1'X1' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4576 | 141' | -3' | P 1'X1' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4577 | 146' | -3' | P 1'X1' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 541-542 | 4578 | 150' | -3' | P 1'X1' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 541-542 | 4579 | 155' | -3' | P 1'X1' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-541-542 | 4580 | 147' | 0 | P 1.5'X1.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 539-540-541 | 4581 | 156' | 0 | P 1.5'X1.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 343-543 | 4582 | 3'-22' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 543-544 | 4584 | 0'-6' | 0 | EXT | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 543-544 | 4585 | 6' | 0 | P 2'X2' | E | AL | 132 | 12/4/95 | TL | P | DDW |
| 12/2/95 | 540-542 | 4860 | 47' | 0 | DS-235 2'X 4' | E | KC | 133 | 12/4/95 | TL | P | RI |
| 12/4/95 | 343-544 | 4583 | 19'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 343-344 | 4586 | 126'-134' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 343-344 | 4587 | 126' | 0 | P 1.5'X1.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 344-544 | 4588 | 0'-19' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 345-545 | 4589 | 0'-22' | 0 | P 4'X22' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 344-R4589 | 4590 | 19'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-R4589 | 4591 | 0'-4' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-R4589 | 4592 | 0'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 546-R4589 | 4593 | 0'-3' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 345-R4589 | 4594 | 0'-19' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 344-345 | 4595 | 96'-99' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 344-345 | 4596 | 96' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 345-546 | 4597 | 0'-3' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 345-347 | 4598 | 55' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 345-347 | 4599 | 55'-57' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/4/95 | 347-546 | 4600 | 0'-21' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 347-546-547 | 4601 | 21' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 347-547 | 4602 | 0'-1' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 347-348 | 4603 | 16' | 0 | P 1.5'X1.5' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 347-348 | 4604 | 16'-17' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 348-547 | 4605 | 1'-11' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 341-547 | 4606 | 11'-12' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 547-R4608 | 4607 | 12'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 341-548 | 4608 | 1'-14' | 0 | P 6'X14' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 341-548 | 4609 | 14'-22' | 0 | P 8'X8' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 341-R4608 | 4610 | 1'-14' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 341-R4609 | 4611 | 14'-22' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-R4608 | 4612 | 0'-4' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-R4609 | 4613 | 4'-13' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | R4608-R4609 | 4614 | 0'-6' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 335-R4609 | 4615 | 392'-400' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 335-341 | 4616 | 392' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 335-548E | 4617 | 400'-404' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 335-548N | 4618 | 0'-7' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-551 | 4619 | 0'-9' | 0 | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-551 | 4620 | 9' | 0 | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-551 | 4621 | 9'-8' | +2' | EXT | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-551 | 4622 | 8' | +5' | P 2'X2' | E | LK | 198 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 548-549-551 | 4623 | 76' | 0 | P 2.5'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 549-550-551 | 4624 | 91' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 547-548-549 | 4625 | 72' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 547-549-550 | 4626 | 102' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4627 | 99'-102' | 0 | P 2'X3' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4628 | 101' | +2' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4629 | 101' | +4' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4630 | 93' | +4' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4631 | 106' | +4' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4632 | 106' | +9' | P 1'X1' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4633 | 93'-104' | +9' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4634 | 95'-97' | -6' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-546 | 4635 | 103'-101' | -6' | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4636 | 93' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4637 | 93'-105' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4638 | 105' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/4/95 | 543-544 | 4639 | 91' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 543-544 | 4640 | 91'-103' | 0 | EXT | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 543-544 | 4641 | 103' | 0 | P 2'X2' | E | KC | 133 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4642 | 129'-138' | +11' | P 9'X22' | E | KC | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 543-R4642 | 4643 | 134'-140' | 0 | CAP 2'X6' | E | KC | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4644 | 135'-138' | -11' | P 3'X22' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4645 | 123'-130' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 546-R4644 | 4646 | 130'-131' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-R4644 | 4647 | 0'-13' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | R4642-R4644 | 4648 | 135'-138' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-R4642 | 4649 | 129'-135' | 0 | EXT | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-R4642 | 4650 | 0'-22' | 0 | EXT | E | KC | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 544-545 | 4651 | 117'-128' | +5' | BOOT 9'X10' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 545-546 | 4652 | 123'-130' | +4' | BOOT 7'X8' | E | VS | 205 | 12/4/95 | TL | P | DDW |
| 12/4/95 | 335-551 | 4653 | 0'-5' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 335-551 | 4655 | 5'-15' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 355-349 | 4656 | 458' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 335-349 | 4657 | 458'-466' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 349-551 | 4658 | 15'-22' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 551-552 | 4659 | 0'-6' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 551-552 | 4660 | 6' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 349-552 | 4661 | 6'-11' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 349-555 | 4662 | 11'-22' | 0 | P 11'X15' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 552-R4662 | 4663 | 0'-13' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 555-R4662 | 4664 | 0'-10' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 350-R4662 | 4665 | 474'-489' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 349-R4662 | 4666 | 11'-22' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 349-350 | 4667 | 467'-474' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 349-350 | 4668 | 467' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 350-555 | 4669 | 10'-22' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 350-556N | 4670 | 0'-11' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 350-556E | 4671 | 434'-453' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 350-352 | 4673 | 425'-434' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 350-352 | 4674 | 425' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 352-556 | 4675 | 0'-11' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 352-556-557 | 4676 | 11' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 352-557 | 4677 | 0'-9' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 352-354 | 4678 | 312'-322' | 0 | P 2'X10' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 354-557 | 4679 | 0'-13' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/4/95 | 354-560 | 4680 | 0'-10' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 352-354 | 4681 | 306' | -5' | P 1'X1' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 354-355 | 4682 | 280' | +5' | P 1'X1' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 552-555 | 4701 | 82' | 0 | P 2'X2' | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 552-555 | 4702 | 77' | 0 | P 2'X2' | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 552-553-554 | 4703 | 42' | 0 | P 2'X2' | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 551-552-554 | 4704 | 44' | 0 | P 2'X2' | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 551-553-554 | 4705 | 84' | 0 | P 2'X2' | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 551-553 | 4706 | 109'-117' | -2' | P 3'X8' | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 553-R4706 | 4707 | 0'-6' | 0 | EXT | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 551-R4706 | 4708 | 109'-117' | 0 | EXT | E | CS | 205 | 12/5/95 | RS | P | DDW |
| 12/4/95 | 545-546 | 4862 | 57' | 0 | P 2'X 2' | E | KC | 133 | 12/4/95 | TL | P | RI |
| 12/5/95 | 335-551 | 4654 | 5' | 0 | P 2'X5' DS 236 | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 364-568 | 4672 | 0'-19' | 0 | P 19'X14' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 354-355 | 4683 | 279' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 354-355 | 4684 | 279'-289' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 345-355-560 | 4685 | 289' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 355-560-561 | 4686 | 0' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 355-356-561 | 4687 | 263' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 355-356 | 4688 | 246'-263' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 355-356 | 4689 | 246' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 356-561-562 | 4690 | 11' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 356-358-562 | 4691 | 230' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 356-358 | 4692 | 213'-230' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 356-358 | 4693 | 213' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 559-560-561 | 4694 | 61' | 0 | P 2'X2' | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 557,8,9-560 | 4695 | 58' | 0 | P 2'X2' | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 558-559 | 4696 | 66' | 0 | P 2'X2' | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 558-559 | 4697 | 83'-92' | -5' | BOOT 10'X9' | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 558-559 | 4698 | 83'-92' | 0 | EXT | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 558-559 | 4699 | 92'-95' | 0 | EXT | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 556-557 | 4700 | 63' | 0 | P 2'X2' | E | VS | 205 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-562 | 4709 | 5'-12' | 0 | P 2'X7' DS 237 | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-563R4711 | 4710 | 10' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 359-363 | 4711 | 0'-12' | 0 | P 12'X5' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-359R4711 | 4712 | 194' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-359 | 4713 | 178'-194' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-359 | 4714 | 178' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 359-564R4711 | 4715 | 12' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/5/95 | 564R4711 | 4716 | 0'-4' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 563-564R4711 | 4717 | 0'-4' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 563-564 | 4718 | 11' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 563-564 | 4719 | 11'-15' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 563-564 | 4720 | 15' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 359-360-564 | 4721 | 10' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 359-360 | 4722 | 145'-162' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 359-360 | 4723 | 145' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 360-564-565 | 4724 | 0' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 564-565 | 4725 | 0'-4' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 564-565 | 4726 | 4' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 360-565 | 4727 | 11' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 360-565E | 4728 | 127'-131' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 360-565-568 | 4729 | 127' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 360-568 | 4730 | 115'-127' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 363-568 | 4731 | 0'-7' | 0 | P 5'X7' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 363-568 | 4732 | 7'-22' | 0 | P 4'X15' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 360-R4731 | 4733 | 110'-115' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 568-R4731 | 4734 | 0'-7' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 568-R4732 | 4735 | 7'-22' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 363-R4731 | 4736 | 0'-7' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 363-R4732 | 4737 | 7'-22' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 363-364R4732 | 4738 | 35' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 364-R4732 | 4739 | 35'-38' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 364-568 | 4740 | 22'-24' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 568-R4672 | 4741 | 24'-47' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 364-R4672 | 4742 | 0'-19' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 361-364R4672 | 4743 | 72' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 361R4672 | 4744 | 72'-86' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 361-568R4672 | 4745 | 47' | 0 | P 2'X2' | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 351-568-570 | 4747 | 76' | 0 | P 2'X2' | E | LK | 198 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 568-569-570 | 4748 | 66' | 0 | P 2'X2' | E | LK | 198 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 567-568-569 | 4749 | 39'-48' | 0 | P 2'X9' | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 566-567-568 | 4750 | 22' | 0 | P 2'X2.5' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 565-566-568 | 4751 | 13' | 0 | P 2'X2' | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-562 | 4754 | 0'-5' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 358-R4711 | 4755 | 194'-199' | 0 | EXT | E | VS | 133 | 12/5/95 | RS | P | DDW |
| 12/5/95 | R4731-R4732 | 4756 | 0'-4' | 0 | EXT | E | LK | 198 | 12/5/95 | RS | P | DDW |
| 12/5/95 | 569-570 | 4757 | 35'-41' | +11' | P 6'X22' | E | VS | 133 | 12/6/95 | DF | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/5/95 | 569-570 | 4758 | 9' | +4' | P 2'X2' | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 569-570 | 4759 | 21' | +5' | P 1.5'X1.5' | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 567-569 | 4760 | 35' | 0 | P 2'X2' | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 569-R4757 | 4761 | 0'-12' | 0 | EXT | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 569-R4757 | 4762 | 12'-22' | 0 | P 2'X10' | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/5/95 | 567-R4757 | 4783 | 35'-40' | 0 | EXT | E | VS | 133 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-361 | 4746 | 401'-412' | 0 | CAP 2'X11' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 566-567 | 4752 | 29' | 0 | P 2'X2' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 566-567 | 4753 | 38' | 0 | P 2'X2' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | R4757-R4764 | 4763 | 35'-41' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 569-570 | 4764 | 21'-41' | -3' | P 6'X20' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 570-571 | 4765 | 42'-60' | +4' | P 7'X18' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 569-R4764 | 4766 | 21'-35' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 569-R4764 | 4767 | 28' | -3' | BOOT 5'X5' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 569-R4764 | 4768 | 28' | -1' | P 4'X1' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 570-R4764 | 4769 | 0'-6' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | R4764-R4765 | 4770 | 0'-18' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 570-R4765 | 4771 | 6'-13' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 571-R4765 | 4772 | 42'-60' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 570-571 | 4773 | 21'-42' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-570 | 4774 | 10'-13' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-371E | 4775 | 12'-21' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-571E | 4776 | 12' | 0 | P 2'X4' DS 239 | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-571E | 4777 | 0'-12' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-371N | 4778 | 0'-4' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-R4804 | 4779 | 4' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-365 | 4780 | 451' | 0 | P 2'X2' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 365-R4805 | 4781 | 0'-9' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 365-R4806 | 4782 | 0'-8' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 356-571 | 4784 | 461' | +2' | P 1'X1' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 365-571 | 4785 | 461' | +4' | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 571-R4804 | 4786 | 6' | +4' | P 1'X1' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 571-R4804 | 4787 | 6' | +2' | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 365-572 | 4793 | 475'-480' | 0 | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 395-572 | 4794 | 480'-507' | 0 | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 395-572 | 4795 | 492' | -3' | P 1'X1' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 395-572 | 4796 | 0'-13' | 0 | P 13'X4' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 395-R4796 | 4797 | 507'-519' | 0 | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 572-R4796 | 4798 | 0'-13' | 0 | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/6/95 | 571-572 | 4799 | 0'-46' | 0 | EXT | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-571N | 4804 | 4'-6' | -4' | P 2'X8' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-365 | 4805 | 451'-456' | -5' | P 2'X9' | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 351-365 | 4806 | 456'-461' | -4' | P 2'X8' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 571R4804 | 4807 | 4'-6' | 0 | EXT | E | CS | 205 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 571-572 | 4808 | 21' | +2' | P 2'X2' | E | AL | 132 | 12/6/95 | DF | P | DDW |
| 12/6/95 | 365-571 | 4828 | 461' | +10' | EXT | E | AL | 132 | 12/7/95 | DF | P | DDW |
| 12/6/95 | 568-R4672 | 4861 | 29' | 0 | DS-238 2'X 4' | E | CS | 205 | 12/6/95 | DF | P | RI |
| 12/7/95 | 351-571E | 4788 | 5'-18' | -8' | EXT | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 351-571E | 4789 | 18' | -6' | P 2'X2' | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 365-571 | 4790 | 461'-475' | 0 | EXT | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 365-571 | 4791 | 469' | +2' | EXT | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 365-571 | 4792 | 469' | +4' | P 2'X2' | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 571-572 | 4800 | 5' | +5' | EXT | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 571-572 | 4801 | 5' | +7' | P 2'X2' | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 571-572 | 4802 | 0' | +4' | EXT | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/7/95 | 571-572 | 4803 | 0' | +6' | P 2'X2' | E | SH | 205 | 12/7/95 | DF | P | DDW |
| 12/8/95 | 398-399 | 4811 | 461' | -2'-17' | P 15'X2' | E | CS | 205 | 12/8/95 | DF | P | DDW |
| 12/8/95 | 399-400 | 4812 | 442'-458' | +5' | P 2'X16' | E | CS | 205 | 12/8/95 | DF | P | DDW |
| 12/8/95 | 398-399 | 4813 | 441' | -2'-17' | P 15'X2' | E | CS | 205 | 12/8/95 | DF | P | DDW |
| 12/8/95 | 398-399 | 4814 | 426'-434' | +7' | P 2'X8' | E | CS | 205 | 12/8/95 | DF | P | DDW |
| 12/8/95 | 398-399 | 4815 | 434' | +7'-14' | P 7'X2' | E | CS | 205 | 12/8/95 | DF | P | DDW |
| 12/8/95 | 398-399 | 4816 | 426'-434' | +14' | P 2'X8' | E | CS | 205 | 12/8/95 | DF | P | DDW |
| 12/12/95 | 355-561 | 4819 | 10' | +2' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 355-356 | 4820 | 258' | -6' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 355-356 | 4821 | 255' | -4' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 355-356 | 4822 | 251' | -3' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 355-356 | 4823 | 253' | +2' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 355-356 | 4824 | 250' | +5' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 355-356 | 4825 | 247' | +3' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 354-355 | 4826 | 286' | -3' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 354-355 | 4827 | 281' | -4' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 476-497 | 4829 | 175' | +8' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 297-299 | 4830 | 262' | -6' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 297-299 | 4831 | 262' | -8' | P 1'X1' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/12/95 | 485-486 | 4832 | 102' | +5' | BOOT 4'X4' | E | CS | 205 | 12/12/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4833 | 91' | -5' | P 2'X3' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4834 | 91' | 0 | P 5'X2' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4835 | 91'-69' | 0 | CAP 23'X2' | E | CS | 205 | 12/13/95 | KO | P | DDW |

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GEOMEMBRANE REPAIR LOG

| DATE | SEAM NUMBER | REPAIR NUMBER | SEAM DISTANCE (ft) | OFFSET (ft) | REPAIR CODE | REPAIR TYPE | WELDER ID | MACHINE NUMBER | TEST DATE | OPERATOR ID | PASS/FAIL | QA ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/13/95 | 282-R4835 | 4836 | 76' | 0 | P 2'X5' DS 240 | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4837 | 78'-58' | +5' | P 20'X1' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4838 | 58'-48' | +6' | P 12'X1' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4839 | 69'-50' | 0 | EXT | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4840 | 49' | +3' | P 8'X2' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4841 | 48'-20' | 0 | CAP 23'X2' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4842 | 34' | +4' | P 1'X2' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4843 | 25'-20' | 0 | CAP 5'X2' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4844 | 20' | +3' | P 3'X6' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4845 | 20' | 0 | P 3'X3' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/13/95 | 74-282 | 4846 | 20'-16' | -2' | P 4'X3' | E | CS | 205 | 12/13/95 | KO | P | DDW |
| 12/18/95 | 283-284-74 | 4863 | 45' | -1' | P 2'X 10' | E | CS | 205 | 4/24/96 | SP | P | JK |
| 12/18/95 | 282-283 | 4864 | 124' | +11' | P 2'X 21' | E | CS | 205 | 4/24/96 | SP | P | JK |
| 12/18/95 | 282-283 | 4865 | 124' | -4' | P 2'X 10' | E | CS | 205 | 4/24/96 | SP | P | JK |
| 12/18/95 | 282-283 | 4866 | 123' | -11' | P 2'X 4' | E | CS | 205 | 4/24/96 | SP | P | JK |
| 4/24/96 | 283-284 | 4867 | 96' | 6 | P 101' X 2 | E | KS | 241 | 4/24/96 | SP | P | JK |
| 4/24/96 | 282-283-284 | 4868 | 143' | 13.5' | P 27' X 2 | E | BK | D2 | 4/24/96 | SP | P | JK |
| 4/24/96 | 282-283-284 | 4869 | 128' | 15.0' | P 30' X 2' | E | BK | D2 | 4/24/96 | SP | P | JK |
| 4/25/96 | 282-283 | 4870 | 159' | 7' | P 100' X 2' | E | KS | 241 | 4/24/96 | SP | P | JK |
| 4/25/96 | 282-283 | 4871 | 108' | 11' | P 8' X 2' | E | KS | 241 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74-282 | 4872 | 110' | 17' | P 12' X 2' | E | KS | 241 | 4/25/96 | SP | P | JK |
| 4/25/96 | 283-R4870 | 4873 | 69' | 7 | P 6 'X 2'DS-241 | E | KS | 241 | 4/25/96 | SP | P | JK |
| 4/25/96 | 283 | 4874 | 81' | 7 | P 5' X 2DS241B | E | KS | 241 | 4/25/96 | SP | P | JK |
| 4/25/96 | 283 | 4875 | 59' | 7 | P 5' X 2DS241A | E | KS | 241 | 4/25/96 | SP | P | JK |
| 4/25/96 | 283 | 4876 | 69' | 7 | C 22'DS241A&B | E | KS | 241 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74-75-76 | 4877 | 65' | 0 | E 129' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 75 | 4878 | 8' | 7 | P 4' X 2' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74-76 | 4879 | NA | 27 | P 8' X 2' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74 | 4880 | NA | 9' | P 5 X 2 DS-242 | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74 | 4881 | NA | 37' | P 9' X 2' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74 | 4882 | NA | NA | P 3' X 3' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74-76 | 4883 | NA | NA | G 126' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 74-285 | 4884 | NA | NA | P 3' X 2' | E | BK | D2 | 4/25/96 | SP | P | JK |
| 4/25/96 | 73-75-76 | 4885 | NA | NA | P 4' X 2' | E | BK | D2 | 4/25/96 | SP | P | JK |

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