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 VIII

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

RECEIVED
OCT 4 1996
HAZARDOUS WASTE REMEDIATION

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

SUB APPENDIX N–2

GEOMEMBRANE

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

01/30/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO34089-2-7
Internal Order No.: 350066

Blend	Quantity	Container Id	Ship Date
517663	193850	ACFX37672	01/30/95

The following test data was obtained :

Blend : 517663
Sample Id : PE244089
Date of Manufacture : 01/26/95

Test Description	Unit	Results
Melt Index	g/10min	.31
Melt Flow Index (190C/21.6kg)	g/10min	19.3
Density	g/cu cm	.908

Wayne Daggs

Wayne Daggs

Quality Assurance Department

RECEIVED
7/7/95

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MARCH 15, 1995
RAIL CAR #ACFX37672
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.29	0.908
3.	0.31	0.908
4.	0.30	0.908
5.	0.30	0.908
6.	0.30	0.908
7.	0.31	0.908
8.	0.29	0.908
AVG.	0.30	0.908
STD.	0.006	ERR

HLMI: 19.12

RECEIVED
7/7

Gundle Lining Systems Inc

Gundle®

19103 Gundle Road
Houston, Texas 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

March 23, 1995

Mr. Fred Locher
J.D. Posillico Inc.
1610 New Highway
Farmingdale, NY 11735

RE: Certification of Very Low Density Polyethylene 40 mil textured material.
Gundle Project No. A442, MR 1169-01

Dear Mr. Locher:

This letter will certify that Gundle Lining Systems will comply with the requirements set forth for the above referenced project as follows:

Quality Control Documentation for the ordered material will be provided at the time the material is shipped. Gundle will certify that the material delivered to the above referenced project will meet or exceed the specifications as per the attached table.

Certificates of analysis on the resin from the resin manufacturer and Gundle's raw material testing results will be provided with the quality control documentation for the roll goods.

Welding rod manufactured for the above referenced project will be produced from the same type of high quality resin used to manufacture the geomembrane.

If you have any questions please do not hesitate to call.

Certified By:

Thomas P. Moran
Lab Manager

RECEIVED 3 April 95

Gundle®

SPECIFICATIONS FOR GUNDLINE VLT

PROPERTIES	METHOD	UNITS	40
Thickness	ASTM D 1593	Mils	40 min av
Density	ASTM D 1505 Condition A	g/cc	.930 max
Melt Flow Index	ASTM D 1238 Condition E (190°c, 2.16 kg.)	g/10 min.	.6 max
Carbon Black %	ASTM D 1603	%	2-3
Carbon Black Dispersion	ASTM D 3015	A-1,A-2,B-1	
Tensile Properties	ASTM D 638 Modified Type IV Dumb-bell @ 2 ipm		
■ Strength at Break		PPI	80
■ Elongation at Break		%	350
Tear Resistance	ASTM D 1004 Die C	Pounds	18
Puncture Resistance	FTMS 101 B 2065	Pounds	55
Environmental Stress Crack	ASTM D 1693 10% Igepal, 50° C Modified NSF 54	Hours	2000 min
Dimensional Stability	ASTM D 1204 100° C 1 hours	% of Change	+/-3
Low Temperature Brittleness	ASTM D 746 Procedure B	Degree F	-94 max

Certified By:

Thomas P. Moran
Lab Manager

Gundle Lining Systems Inc

Shipping Order - Packing List - Original - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

SHIPPERS NO. 43484

From Gundle Lining Systems In

Received at Houston, Texas from Gundle Lining Systems, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which s
Carrier (the word "Carrier" being understood through out this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of a
said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is Gun
items, Inc., as indicated by the designation of the "Shipper" to be Gundle Lining Systems, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the part
e Shipper noted herein is not Gundle Lining Systems, Inc. then Gundle Lining Systems, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and
all be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in
motor carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, Gundle Lining Systems, Inc. accepts no liability for los
mage to containers, or any other consequences occurring during transportation. Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by Gundle Lining Systems, Inc.

Subject to the above terms and conditions as to which party is the Shipper. Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions hereby agreed and accepted for himself and his assigns.

External Ref. TOWN OF HUNTINGTON LANDFILL
JOE SEPLAUY

Consigned to TOWN LINE ROAD

Destination EAST NORTHPORT

Date Shipped MARCH 24, 1995

Customer P.O. # CONTRACT

State NY 11731

Comments from M.R.

CONTACT: JOE SEPLAVY 516-261-2056
DIRECTIONS: FROM NEW YORK CITY, 495 EAST TO EXIT #52. TURN LEFT ON COMMACK ROAD AND HEAD NORTH. CROSS RT. 25. COMMACK ROAD BECOMES TOWN LINE ROAD. PROCEED FOR 3.25 MILES AND LANDFILL IS ON THE LEFT

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions	WEIGHT
1	05027416	600	040 VLD TEXT 040 MIL,AVG,BLK,22.5'	3,080
2	05027417	600	040 VLD TEXT 040 MIL,AVG,BLK,22.5'	3,090
3	5 /BOX		WELDING ROD, VLDPE	75

Internal Ref.

Material Req. # 1169-01

Job # A442

Shippers # 043484

Bus/Market Seg. Code 0102

Terms: Prepaid/Collect PREPAID

Load Verification

SIGNED

X

Truck/Container #

Seal #

Total Square Ft.	27,000	Total Weight	6,170	PDS010003

Carrier Ref.

(3)

CARRIER NAME: ROADRUNNER TRUCKING

CARRIER SIGNATURE:

DATE: 3-24-95

Truckers P.O. # S-040650

The agreed or declared value of the property is hereby specif
stated by the shipper to be not exceeding _____ per _____

Sign Here For Shipper

Shipper: _____

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____
(GUNDLE LINING SYSTEMS, INC.
APPROVED AGENT FOR SHIPPER)
LAB.

Gundle®

Quality Control Certificate

RAILCAR : CCBX57754
MATERIAL : VLT040A000
BATCH # : 110394
ROLL # : 05027416 ✓

MANF. DATE : 11/03/1994
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD. (1593) O/K
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV (C) ASTM D638
Elong. Break %	2ND ROLL	350	939	
Puncture Resistance (lbs)	2ND ROLL	55	129	FTMS 101B, METH 2065 O/K
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3 ±1.0	Pending	D 1204 (212 F, 1 HR) O/K 15 MIN.

Notary Public In and For
The State of Texas

Norma Lee Smith

Norma Lee Smith
Commission Expires 1/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX57754
MATERIAL : VLT040A000
BATCH # : 110394
ROLL # : 05027417

MANF. DATE : 11/03/1994
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD..
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV
Elong. Break %	2ND ROLL	350	939	
Puncture Resistance (lbs)	2ND ROLL	55	129	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Norma Lee Smith
Commission Expires 1/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Union Carbide Chemicals and Plastics Company, Inc.
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

10/18/94

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO34089-15
Internal Order No.: 170013

Blend	Quantity	Container Id	Ship Date
517419	175150	CCBX57754	10/18/94

The following test data was obtained :

Blend : 517419
Sample Id : PE199659
Date of Manufacture : 10/16/94

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	18.9
Density	g/cu cm	.9091

Wayne Daggs

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE: NOVEMBER 4, 1994
RAILCAR#: CCBX57754
PRODUCT CODE: DFDG-1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.)	DENSITY ASTM D1505 (G/CC)
	TEST RESULTS	TEST RESULTS
1.	0.29	0.907
2.	0.28	0.909
3.	0.32	0.909
4.	0.29	0.906
5.	0.37	0.907
6.	0.32	0.907
AVG.	0.31	0.908
STD.	0.03	

RATIO (N/E): _____ HLMI: 20.33

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

7/7 @

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #: CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

Gundle®

DIMENSIONAL STABILITY
MR: 1169-01 JOB#: A442
DATE: 04/05/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)		Measurements After Heating (inches)		CHANGES RECORDED	
1169-01	05029759	ACFX37672	VLT 40	MD 5.954	TD: 6.001	MD 5.940	TD: 5.994	-0.24 %	-0.12 %
1169-01	05029759	ACFX37672	VLT 40	MD 5.998	TD: 6.002	MD 5.983	TD: 5.994	-0.25 %	-0.13 %
1169-01	05029761	ACFX37672	VLT 40	MD 5.990	TD: 6.002	MD 5.978	TD: 5.994	-0.20 %	-0.13 %
1169-01	05029761	ACFX37672	VLT 40	MD 5.993	TD: 5.999	MD 5.979	TD: 5.990	-0.23 %	-0.15 %
1169-01	05029763	ACFX37672	VLT 40	MD 5.991	TD: 5.996	MD 5.977	TD: 5.988	-0.23 %	-0.13 %
1169-01	05029763	ACFX37672	VLT 40	MD 5.995	TD: 5.996	MD 5.980	TD: 5.990	-0.25 %	-0.10 %
1169-01	05029765	ACFX37672	VLT 40	MD 6.000	TD: 6.000	MD 5.984	TD: 5.992	-0.26 %	-0.13 %
1169-01	05029765	ACFX37672	VLT 40	MD 5.996	TD: 5.998	MD 5.982	TD: 5.992	-0.23 %	-0.10 %
1169-01	05029767	ACFX37672	VLT 40	MD 5.998	TD: 5.999	MD 5.982	TD: 5.992	-0.27 %	-0.12 %
1169-01	05029767	ACFX37672	VLT 40	MD 5.995	TD: 5.998	MD 5.980	TD: 5.990	-0.25 %	-0.13 %
1169-01	05029769	ACFX37672	VLT 40	MD 5.998	TD: 5.996	MD 5.984	TD: 5.988	-0.23 %	-0.13 %
1169-01	05029769	ACFX37672	VLT 40	MD 5.996	TD: 5.994	MD 5.979	TD: 5.987	-0.28 %	-0.12 %
1169-01	05029771	ACFX37672	VLT 40	MD 5.997	TD: 5.999	MD 5.983	TD: 5.990	-0.23 %	-0.15 %
1169-01	05029771	ACFX37672	VLT 40	MD 5.996	TD: 5.997	MD 5.981	TD: 5.989	-0.25 %	-0.13 %
1169-01	05029773	ACFX37672	VLT 40	MD 5.996	TD: 5.999	MD 5.981	TD: 5.990	-0.25 %	-0.15 %
1169-01	05029773	ACFX37672	VLT 40	MD 5.992	TD: 6.001	MD 5.976	TD: 5.993	-0.27 %	-0.13 %
1169-01	05029775	ACFX37672	VLT 40	MD 5.995	TD: 5.996	MD 5.981	TD: 5.988	-0.23 %	-0.13 %
1169-01	05029775	ACFX37672	VLT 40	MD 5.993	TD: 6.002	MD 5.980	TD: 5.993	-0.22 %	-0.15 %
1169-01	05029775	ACFX37672	VLT 40	MD 5.992	TD: 5.997	MD 5.978	TD: 5.990	-0.23 %	-0.12 %
1169-01	05029775	ACFX37672	VLT 40	MD 5.995	TD: 5.995	MD 5.980	TD: 5.986	-0.25 %	-0.15 %
1169-01	05029780	ACFX37672	VLT 40	MD 5.990	TD: 5.997	MD 5.977	TD: 5.989	-0.22 %	-0.13 %
1169-01	05029780	ACFX37672	VLT 40	MD 5.996	TD: 6.000	MD 5.972	TD: 5.991	-0.40 %	-0.15 %
1169-01	05029782	ACFX37672	VLT 40	MD 5.999	TD: 6.000	MD 5.985	TD: 5.992	-0.23 %	-0.13 %
1169-01	05029782	ACFX37672	VLT 40	MD 5.995	TD: 6.002	MD 5.980	TD: 5.993	-0.25 %	-0.15 %
1169-01	05029784	ACFX37672	VLT 40	MD 5.997	TD: 5.998	MD 5.980	TD: 5.990	-0.28 %	-0.13 %
1169-01	05029784	ACFX37672	VLT 40	MD 5.994	TD: 5.998	MD 5.976	TD: 5.991	-0.30 %	-0.12 %
1169-01	05029786	ACFX37672	VLT 40	MD 5.999	TD: 5.994	MD 5.984	TD: 5.988	-0.25 %	-0.10 %
1169-01	05029786	ACFX37672	VLT 40	MD 5.996	TD: 5.996	MD 5.980	TD: 5.989	-0.27 %	-0.12 %

CERTIFIED BY:  LAB MANAGER

Gundle®

DIMENSIONAL STABILITY
MR: 1169-01 JOB#: A442
DATE: 04/05/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	05027416	CCBX57754	VLT 40	MD 5.997 TD: 5.996	MD 5.984 TD: 5.989	-0.22 %	-0.12 %
1169-01	05027416	CCBX57754	VLT 40	MD 5.998 TD: 5.999	MD 5.985 TD: 5.990	-0.22 %	-0.15 %
1169-01	05029743	ACFX37696	VLT 40	MD 5.994 TD: 5.997	MD 5.980 TD: 5.990	-0.23 %	-0.12 %
1169-01	05029743	ACFX37696	VLT 40	MD 5.998 TD: 5.997	MD 5.979 TD: 5.988	-0.32 %	-0.15 %
1169-01	05029745	ACFX37696	VLT 40	MD 5.956 TD: 5.998	MD 5.942 TD: 5.990	-0.24 %	-0.13 %
1169-01	05029745	ACFX37696	VLT 40	MD 5.995 TD: 5.996	MD 5.980 TD: 5.987	-0.25 %	-0.15 %
1169-01	05029747	ACFX37696	VLT 40	MD 5.990 TD: 5.998	MD 5.978 TD: 5.991	-0.20 %	-0.12 %
1169-01	05029747	ACFX37696	VLT 40	MD 5.992 TD: 6.002	MD 5.979 TD: 5.996	-0.22 %	-0.10 %
1169-01	05029749	ACFX37696	VLT 40	MD 5.993 TD: 6.000	MD 5.980 TD: 5.991	-0.22 %	-0.15 %
1169-01	05029749	ACFX37696	VLT 40	MD 5.994 TD: 6.001	MD 5.982 TD: 5.993	-0.20 %	-0.13 %
1169-01	05029751	ACFX37672	VLT 40	MD 5.993 TD: 5.999	MD 5.981 TD: 5.994	-0.20 %	-0.08 %
1169-01	05029751	ACFX37672	VLT 40	MD 5.997 TD: 5.998	MD 5.984 TD: 5.991	-0.22 %	-0.12 %
1169-01	05029757	ACFX37672	VLT 40	MD 5.990 TD: 6.000	MD 5.978 TD: 5.992	-0.20 %	-0.13 %
1169-01	05029757	ACFX37672	VLT 40	MD 5.996 TD: 5.997	MD 5.982 TD: 5.988	-0.23 %	-0.15 %

CERTIFIED BY: _____ LAB MANAGER

Gundle®

LOW TEMPERATURE BRITTLENESS

ASTM METHOD: D 746,B
MR#: 1169-01 JOB#: A442
DATE TESTED: 04/06/95

MR#	ROLL#:	RAILCAR#:	TEMPERATURE	PASS/FAIL
1169-01	05027416	CCBX57754	-94F	PASS
1169-01	05029743	ACFX37696	-94F	PASS
1169-01	05029745	ACFX37696	-94F	PASS
1169-01	05029747	ACFX37696	-94F	PASS
1169-01	05029749	ACFX37696	-94F	PASS
1169-01	05029751	ACFX37672	-94F	PASS
1169-01	05029757	ACFX37672	-94F	PASS
1169-01	05029759	ACFX37672	-94F	PASS
1169-01	05029761	ACFX37672	-94F	PASS
1169-01	05029763	ACFX37672	-94F	PASS
1169-01	05029765	ACFX37672	-94F	PASS
1169-01	05029767	ACFX37672	-94F	PASS
1169-01	05029769	ACFX37672	-94F	PASS
1169-01	05029771	ACFX37672	-94F	PASS
1169-01	05029773	ACFX37672	-94F	PASS
1169-01	05029775	ACFX37672	-94F	PASS
1169-01	05029780	ACFX37672	-94F	PASS
1169-01	05029782	ACFX37672	-94F	PASS
1169-01	05029784	ACFX37672	-94F	PASS
1169-01	05029786	ACFX37672	-94F	PASS

CERTIFIED BY:  LAB MANAGER

Gundle®

Quality Control Certificate

RAILCAR : ACFX37696
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029745

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	150	Type IV
Elong. Break %	2ND ROLL	350	922	
Puncture Resistance (lbs)	2ND ROLL	55	103	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029757

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	126	Type IV
Elong. Break %	2ND ROLL	350	839	
Puncture Resistance (lbs)	2ND ROLL	55	100	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029761

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	836	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	23	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029762

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	836	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	23	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029763

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	834	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029764

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	834	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040495
ROLL # : 05029782

MANF. DATE : 04/04/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	829	
Puncture Resistance (lbs)	2ND ROLL	55	101	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040495
ROLL # : 05029784 ✓

MANF. DATE : 04/04/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141	Type IV
Elong. Break %	2ND ROLL	350	862	
Puncture Resistance (lbs)	2ND ROLL	55	116	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042095
ROLL # : 03032048

MANF. DATE : 04/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	132	Type IV
Elong. Break %	2ND ROLL	350	733	
Puncture Resistance (lbs)	2ND ROLL	55	96	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042095
ROLL # : 03032049

MANF. DATE : 04/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	132	Type IV
Elong. Break %	2ND ROLL	350	733	
Puncture Resistance (lbs)	2ND ROLL	55	96	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042095
ROLL # : 03032050

MANF. DATE : 04/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	760	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042095
ROLL # : 03032051

MANF. DATE : 04/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	B-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	760	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
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Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: April 29, 1995
JOB NO.: A442
JOB NAME: TOWN OF HUNTINGDON

FRED LOCHER
J.D. POSILLICO
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735

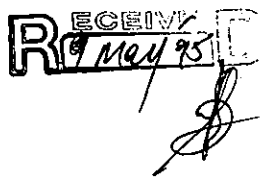
TRANSMITTED VIA: MAIL

Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of items attached
1	QC/QA CERTIFICATES AS PER BILL OF LADING 43912, 43861, DIMENSIONAL STABILITY DATA

These are transmitted as noted:

As per project specifications.



Submitted by: Stephanie Owens
Date: April 29, 1995

Gundle®

DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 04/24/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	05030042	CCBX57426	VLT 40	MD 6.000 TD: 6.001	MD 5.975 TD: 5.990	-0.42 %	-0.18 %
1169-01	05030042	CCBX57426	VLT 40	MD 5.970 TD: 5.995	MD 5.974 TD: 5.986	0.07 %	-0.15 %
1169-01	05030044	CCBX57426	VLT 40	MD 6.000 TD: 5.998	MD 5.978 TD: 5.990	-0.37 %	-0.13 %
1169-01	05030044	CCBX57426	VLT 40	MD 5.998 TD: 5.997	MD 5.977 TD: 5.988	-0.35 %	-0.15 %
1169-01	05030047	CCBX57426	VLT 40	MD 6.001 TD: 5.998	MD 5.978 TD: 5.990	-0.38 %	-0.13 %
1169-01	05030047	CCBX57426	VLT 40	MD 5.998 TD: 6.000	MD 5.974 TD: 5.991	-0.40 %	-0.15 %
1169-01	05030049	CCBX57426	VLT 40	MD 6.000 TD: 6.002	MD 5.973 TD: 5.992	-0.45 %	-0.17 %
1169-01	05030049	CCBX57426	VLT 40	MD 5.998 TD: 5.997	MD 5.972 TD: 5.988	-0.43 %	-0.15 %
1169-01	05030077	CCBX57426	VLT 40	MD 6.000 TD: 5.997	MD 5.976 TD: 5.990	-0.40 %	-0.12 %
1169-01	05030077	CCBX57426	VLT 40	MD 5.996 TD: 5.999	MD 5.974 TD: 5.991	-0.37 %	-0.13 %
1169-01	03032048	CCBX57426	VLT 40	MD 6.001 TD: 6.000	MD 5.974 TD: 5.992	-0.45 %	-0.13 %
1169-01	03032048	CCBX57426	VLT 40	MD 5.999 TD: 6.003	MD 5.971 TD: 5.993	-0.47 %	-0.17 %
1169-01	03032050	CCBX57426	VLT 40	MD 5.999 TD: 5.998	MD 5.973 TD: 5.990	-0.43 %	-0.13 %
1169-01	03032050	CCBX57426	VLT 40	MD 6.002 TD: 5.999	MD 5.978 TD: 5.992	-0.40 %	-0.12 %

CERTIFIED BY:  LAB MANAGER

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Quality Control Certificate

RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042195
ROLL # : 05030044

MANF. DATE : 04/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	158	Type IV
Elong. Break %	2ND ROLL	350	974	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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DEBORAH L. SEIFERT
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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042495
ROLL # : 05030090 ✓

MANF. DATE : 04/24/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.28	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV
Elong. Break %	2ND ROLL	350	835	
Puncture Resistance (lbs)	2ND ROLL	55	114	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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CERTIFIED BY:

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042495
ROLL # : 05030091 ✓

MANF. DATE : 04/24/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	43.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.28	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	132	Type IV
Elong. Break %	2ND ROLL	350	905	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	35	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042495
ROLL # : 05030092 ✓

MANF. DATE : 04/24/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.28	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	132	Type IV
Elong. Break %	2ND ROLL	350	905	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	35	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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State of Texas
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Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042495
ROLL # : 05030093 ✓

MANF. DATE : 04/24/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.28	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	160	Type IV
Elong. Break %	2ND ROLL	350	861	
Puncture Resistance (lbs)	2ND ROLL	55	106	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042495
ROLL # : 05030094 ✓

MANF. DATE : 04/24/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.921	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	160	Type IV
Elong. Break %	2ND ROLL	350	861	
Puncture Resistance (lbs)	2ND ROLL	55	106	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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NOTARY PUBLIC
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Comm. Exp. 02-27-99

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Thomas P. Moran
Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030095 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.921	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	161	Type IV
Elong. Break %	2ND ROLL	350	967	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030100 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.921	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	159	Type IV
Elong. Break %	2ND ROLL	350	851	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030101 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	953	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030102 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	953	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030103 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	856	
Puncture Resistance (lbs)	2ND ROLL	55	100	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030104 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	856	
Puncture Resistance (lbs)	2ND ROLL	55	100	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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State of Texas
Comm. Exp. 02-27-99

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

01/30/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO34089-2-7
Internal Order No.: 350066

Blend	Quantity	Container Id	Ship Date
517663	193850	ACFX37672	01/30/95

The following test data was obtained :

Blend : 517663
Sample Id : PE244089
Date of Manufacture : 01/26/95

Test Description	Unit	Results
Melt Index	g/10min	.31
Melt Flow Index (190C/21.6kg)	g/10min	19.3
Density	g/cu cm	.908

Wayne Daggs

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MARCH 15, 1995
RAIL CAR #ACFX37672
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.29	0.908
3.	0.31	0.908
4.	0.30	0.908
5.	0.30	0.908
6.	0.30	0.908
7.	0.31	0.908
8.	0.29	0.908
AVG.	0.30	0.908
STD.	0.006	ERR

HLMI: 19.12

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

UNION CARBIDE

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: 5039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: May 2, 1995
JOB NO.: A442
JOB NAME: TOWN OF HUNTINGDON

FRED LOCHER
J.D. POSILLICO
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735

TRANSMITTED VIA: MAIL

Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of items attached
1	QC/QA CERTIFICATES AS PER BILL OF LADING 43928

These are transmitted as noted:

As per project specifications.

RECEIVED 9 May 95

Submitted by: Stephanie Owens
Date: May 2, 1995

Gundle®

Quality Assurance Certificate

RAILCAR : ACFX37696
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029744

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	146	Type IV
Elong. Break %	2ND ROLL	350	906	
Puncture Resistance (lbs)	2ND ROLL	55	114	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : ACFX37696
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029747 ✓

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	134	Type IV
Elong. Break %	2ND ROLL	350	832	
Puncture Resistance (lbs)	2ND ROLL	55	94	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : ACFX37696
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029749 ✓

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.8	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	125	Type IV
Elong. Break %	2ND ROLL	350	774	
Puncture Resistance (lbs)	2ND ROLL	55	107	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : ACFX37696
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029750 ✓

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	125	Type IV
Elong. Break %	2ND ROLL	350	774	
Puncture Resistance (lbs)	2ND ROLL	55	107	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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The State of Texas

Deborah L. Seifert
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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029752 √

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	839	
Puncture Resistance (lbs)	2ND ROLL	55	118	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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The State of Texas

Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040495
ROLL # : 05029783

MANF. DATE : 04/04/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	829	
Puncture Resistance (lbs)	2ND ROLL	55	101	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030096

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.921	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	161	Type IV
Elong. Break %	2ND ROLL	350	967	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030097

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.921	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	843	
Puncture Resistance (lbs)	2ND ROLL	55	103	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030099 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.921	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	159	Type IV
Elong. Break %	2ND ROLL	350	851	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030105 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	156	Type IV
Elong. Break %	2ND ROLL	350	861	
Puncture Resistance (lbs)	2ND ROLL	55	103	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 042595
ROLL # : 05030106 ✓

MANF. DATE : 04/25/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	156	Type IV
Elong. Break %	2ND ROLL	350	861	
Puncture Resistance (lbs)	2ND ROLL	55	103	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

01/30/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO34089-2-7
Internal Order No.: 350066

Blend	Quantity	Container Id	Ship Date
517663	193850	ACFX37672	01/30/95

The following test data was obtained :

Blend : 517663
Sample Id : PE244089
Date of Manufacture : 01/26/95

Test Description	Unit	Results
Melt Index	g/10min	.31
Melt Flow Index (190C/21.6kg)	g/10min	19.3
Density	g/cu cm	.908

Wayne Daggs

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MARCH 15, 1995
RAIL CAR #ACFX37672
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.29	0.908
3.	0.31	0.908
4.	0.30	0.908
5.	0.30	0.908
6.	0.30	0.908
7.	0.31	0.908
8.	0.29	0.908
AVG.	0.30	0.908
STD.	0.006	ERR

HLMI: 19.12

NION CARBIDE CORPORATION
O. Box 186, Port Lavaca, TX 77979

g
Road
77073
nac

PRODUCT QUALITY REPORT

01/27/95

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

uct Name: DFDG-1506 NT

rder No.: S034089-23
rder No.: 173125

Quantity	Container Id.	Ship Date
193400	ACFX37696	01/27/95

wing test data was obtained :
Blend : 517660
Sample Id : PE243597
Date of Manufacture : 01/25/95

est Description	Unit	Results
ex	g/10min	.32
w Index (190C/21.6kg)	g/10min	19.5
	g/cu cm	.9081

Wayne Daggs

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: FEBRUARY 24, 1995
RAIL CAR #ACFX37696
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.29	0.905
2.	0.29	0.906
3.	0.29	0.907
4.	0.29	0.906
5.	0.30	0.906
6.	0.30	0.906
AVG.	0.29	0.906
STD.	0.005	

HLMI: 19.40

GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: May 17, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: MAIL

Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC Certificates as per Bill of Lading 44192, Dimensional Stability 05/01/95

These are transmitted as noted:

As per project specifications.

Submitted by: Joan Jackson
Date: May 17, 1995

RECEIVED May 95

Gundle®

DIMENSIONAL STABILITY
MR: 1169-01 JOB#: A442
DATE: 05/01/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
A442	05030162	CCBX57827	VLT 40	MD 5.989 TD: 5.989	MD 5.964 TD: 5.982	-0.42 %	-0.12 %
A442	05030162	CCBX57827	VLT 40	MD 5.992 TD: 5.991	MD 5.970 TD: 5.985	-0.37 %	-0.10 %
A442	05030164	CCBX57827	VLT 40	MD 5.987 TD: 5.995	MD 5.965 TD: 5.990	-0.37 %	-0.08 %
A442	05030164	CCBX57827	VLT 40	MD 5.992 TD: 5.990	MD 5.971 TD: 5.984	-0.35 %	-0.10 %
A442	05030166	CCBX57827	VLT 40	MD 5.983 TD: 5.986	MD 5.964 TD: 5.980	-0.32 %	-0.10 %
A442	05030166	CCBX57827	VLT 40	MD 5.990 TD: 5.991	MD 5.966 TD: 5.990	-0.40 %	-0.02 %
A442	05030169	CCBX57827	VLT 40	MD 5.988 TD: 5.992	MD 5.969 TD: 5.987	-0.32 %	-0.08 %
A442	05030169	CCBX57827	VLT 40	MD 5.992 TD: 5.995	MD 5.975 TD: 5.989	-0.28 %	-0.10 %
A442	05030172	CCBX57827	VLT 40	MD 5.991 TD: 5.993	MD 5.971 TD: 5.988	-0.33 %	-0.08 %
A442	05030172	CCBX57827	VLT 40	MD 5.994 TD: 5.998	MD 5.973 TD: 5.991	-0.35 %	-0.12 %
A442	05030174	CCBX57827	VLT 40	MD 5.984 TD: 5.994	MD 5.959 TD: 5.988	-0.42 %	-0.10 %
A442	05030174	CCBX57827	VLT 40	MD 5.993 TD: 5.991	MD 5.972 TD: 5.986	-0.35 %	-0.08 %
A442	05030176	CCBX57827	VLT 40	MD 5.986 TD: 5.993	MD 5.967 TD: 5.989	-0.32 %	-0.07 %
A442	05030176	CCBX57827	VLT 40	MD 5.987 TD: 5.990	MD 5.965 TD: 5.985	-0.37 %	-0.08 %
A442	05030178	CCBX57827	VLT 40	MD 5.988 TD: 5.990	MD 5.966 TD: 5.984	-0.37 %	-0.10 %
A442	05030178	CCBX57827	VLT 40	MD 5.988 TD: 5.995	MD 5.964 TD: 5.990	-0.40 %	-0.08 %
A442	05030180	CCBX57827	VLT 40	MD 5.983 TD: 5.992	MD 5.961 TD: 5.988	-0.37 %	-0.07 %
A442	05030180	CCBX57827	VLT 40	MD 5.988 TD: 5.991	MD 5.965 TD: 5.990	-0.38 %	-0.02 %

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DIMENSIONAL STABILITY
MR: 1169-01 JOB#: A442
DATE: 05/01/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
A442	05030142	CCBX57827	VLT 40	MD 5.808 TD: 5.994	MD 5.786 TD: 5.988	-0.38 %	-0.10 %
A442	05030142	CCBX57827	VLT 40	MD 5.995 TD: 5.994	MD 5.975 TD: 5.989	-0.33 %	-0.08 %
A442	05030144	CCBX57827	VLT 40	MD 5.843 TD: 5.991	MD 5.825 TD: 5.984	-0.31 %	-0.12 %
A442	05030144	CCBX57827	VLT 40	MD 5.993 TD: 5.999	MD 5.975 TD: 5.991	-0.30 %	-0.13 %
A442	05030146	CCBX57827	VLT 40	MD 5.992 TD: 5.996	MD 5.968 TD: 5.990	-0.40 %	-0.10 %
A442	05030146	CCBX57827	VLT 40	MD 6.000 TD: 5.995	MD 5.978 TD: 5.988	-0.37 %	-0.12 %
A442	05030148	CCBX57827	VLT 40	MD 5.992 TD: 5.995	MD 5.969 TD: 5.990	-0.38 %	-0.08 %
A442	05030148	CCBX57827	VLT 40	MD 5.995 TD: 5.995	MD 5.970 TD: 5.988	-0.42 %	-0.12 %
A442	05030150	CCBX57827	VLT 40	MD 5.993 TD: 5.995	MD 5.971 TD: 5.990	-0.37 %	-0.08 %
A442	05030150	CCBX57827	VLT 40	MD 5.998 TD: 5.998	MD 5.975 TD: 5.992	-0.38 %	-0.10 %
A442	05030152	CCBX57827	VLT 40	MD 5.982 TD: 5.992	MD 5.960 TD: 5.984	-0.37 %	-0.13 %
A442	05030152	CCBX57827	VLT 40	MD 5.990 TD: 5.989	MD 5.968 TD: 5.980	-0.37 %	-0.15 %
A442	05030154	CCBX57827	VLT 40	MD 5.957 TD: 5.992	MD 5.936 TD: 5.992	-0.35 %	0.00 %
A442	05030154	CCBX57827	VLT 40	MD 5.994 TD: 5.996	MD 5.971 TD: 5.990	-0.38 %	-0.10 %
A442	05030156	CCBX57827	VLT 40	MD 5.990 TD: 5.987	MD 5.972 TD: 5.980	-0.30 %	-0.12 %
A442	05030156	CCBX57827	VLT 40	MD 5.992 TD: 5.994	MD 5.973 TD: 5.986	-0.32 %	-0.13 %
A442	05030158	CCBX57827	VLT 40	MD 5.987 TD: 5.991	MD 5.970 TD: 5.985	-0.28 %	-0.10 %
A442	05030158	CCBX57827	VLT 40	MD 5.994 TD: 5.996	MD 5.976 TD: 5.990	-0.30 %	-0.10 %
A442	05030160	CCBX57827	VLT 40	MD 5.982 TD: 5.994	MD 5.964 TD: 5.989	-0.30 %	-0.08 %
A442	05030160	CCBX57827	VLT 40	MD 5.992 TD: 5.994	MD 5.970 TD: 5.988	-0.37 %	-0.10 %

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Gundle®

DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 05/01/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	05030126	CCBX57426	VLT 40	MD 5.989 TD: 5.994	MD 5.967 TD: 5.986	-0.37 %	-0.13 %
1169-01	05030126	CCBX57426	VLT 40	MD 5.990 TD: 5.993	MD 5.966 TD: 5.984	-0.40 %	-0.15 %
1169-01	05030128	CCBX57426	VLT 40	MD 5.992 TD: 6.000	MD 5.969 TD: 5.990	-0.38 %	-0.16 %
1169-01	05030128	CCBX57426	VLT 40	MD 5.993 TD: 5.998	MD 5.971 TD: 5.988	-0.37 %	-0.17 %
1169-01	05030130	CCBX57426	VLT 40	MD 5.995 TD: 5.999	MD 5.982 TD: 5.992	-0.22 %	-0.12 %
1169-01	05030130	CCBX57426	VLT 40	MD 5.994 TD: 5.994	MD 5.972 TD: 5.986	-0.37 %	-0.13 %
1169-01	05030132	CCBX57426	VLT 40	MD 5.994 TD: 5.994	MD 5.969 TD: 5.988	-0.42 %	-0.10 %
1169-01	05030132	CCBX57426	VLT 40	MD 5.990 TD: 5.997	MD 5.970 TD: 5.990	-0.33 %	-0.12 %
1169-01	05030134	CCBX57827	VLT 40	MD 5.990 TD: 5.994	MD 5.967 TD: 5.988	-0.38 %	-0.10 %
1169-01	05030134	CCBX57827	VLT 40	MD 5.989 TD: 5.994	MD 5.965 TD: 5.989	-0.40 %	-0.08 %
1169-01	05030136	CCBX57827	VLT 40	MD 5.991 TD: 5.998	MD 5.964 TD: 5.993	-0.45 %	-0.08 %
1169-01	05030136	CCBX57827	VLT 40	MD 5.988 TD: 5.995	MD 5.966 TD: 5.988	-0.37 %	-0.12 %
1169-01	05030138	CCBX57827	VLT 40	MD 5.991 TD: 5.994	MD 5.964 TD: 5.990	-0.45 %	-0.07 %
1169-01	05030138	CCBX57827	VLT 40	MD 5.992 TD: 5.996	MD 5.966 TD: 5.990	-0.43 %	-0.10 %
1169-01	05030140	CCBX57827	VLT 40	MD 5.991 TD: 5.991	MD 5.970 TD: 5.985	-0.35 %	-0.10 %
1169-01	05030140	CCBX57827	VLT 40	MD 5.991 TD: 5.994	MD 5.972 TD: 5.987	-0.32 %	-0.12 %

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DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 05/12/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	05030202	CCBX58349	VLT 40	MD 5.995 TD: 5.995	MD 5.981 TD: 5.989	-0.23 %	-0.10 %
1169-01	05030202	CCBX58349	VLT 40	MD 5.997 TD: 5.993	MD 5.982 TD: 5.988	-0.25 %	-0.08 %
1169-01	05030204	CCBX58349	VLT 40	MD 5.988 TD: 5.999	MD 5.975 TD: 5.994	-0.22 %	-0.08 %
1169-01	05030204	CCBX58349	VLT 40	MD 5.993 TD: 5.996	MD 5.981 TD: 5.990	-0.20 %	-0.10 %
1169-01	05030206	CCBX58349	VLT 40	MD 5.990 TD: 5.996	MD 5.977 TD: 5.980	-0.22 %	-0.27 %
1169-01	05030206	CCBX58349	VLT 40	MD 5.991 TD: 5.998	MD 5.979 TD: 5.983	-0.20 %	-0.25 %
1169-01	05030208	CCBX58349	VLT 40	MD 5.995 TD: 5.998	MD 5.983 TD: 5.992	-0.20 %	-0.10 %
1169-01	05030208	CCBX58349	VLT 40	MD 5.998 TD: 6.003	MD 5.985 TD: 5.996	-0.22 %	-0.12 %
1169-01	05030210	CCBX58349	VLT 40	MD 5.996 TD: 5.998	MD 5.982 TD: 5.992	-0.23 %	-0.10 %
1169-01	05030210	CCBX58349	VLT 40	MD 5.990 TD: 6.001	MD 5.984 TD: 5.994	-0.10 %	-0.12 %
1169-01	05030212	CCBX58349	VLT 40	MD 5.995 TD: 5.999	MD 5.982 TD: 5.992	-0.22 %	-0.12 %
1169-01	05030212	CCBX58349	VLT 40	MD 5.993 TD: 5.998	MD 5.979 TD: 5.990	-0.23 %	-0.13 %

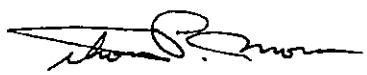
CERTIFIED BY:  LAB MANAGER

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DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 05/12/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	05030182	CCBX57827	VLT 40	MD 5.993 TD: 5.995	MD 5.981 TD: 5.988	-0.20 %	-0.12 %
1169-01	05030182	CCBX57827	VLT 40	MD 5.995 TD: 5.997	MD 5.983 TD: 5.989	-0.20 %	-0.13 %
1169-01	05030184	CCBX57827	VLT 40	MD 5.995 TD: 5.997	MD 5.982 TD: 5.990	-0.22 %	-0.12 %
1169-01	05030184	CCBX57827	VLT 40	MD 5.998 TD: 5.997	MD 5.984 TD: 5.989	-0.23 %	-0.13 %
1169-01	05030186	CCBX57827	VLT 40	MD 5.998 TD: 5.997	MD 5.983 TD: 5.989	-0.25 %	-0.13 %
1169-01	05030186	CCBX57827	VLT 40	MD 5.998 TD: 5.998	MD 5.982 TD: 5.990	-0.27 %	-0.13 %
1169-01	05030188	CCBX57827	VLT 40	MD 5.996 TD: 6.000	MD 5.980 TD: 5.992	-0.27 %	-0.13 %
1169-01	05030188	CCBX57827	VLT 40	MD 5.999 TD: 5.999	MD 5.984 TD: 5.990	-0.25 %	-0.15 %
1169-01	05030190	CCBX57827	VLT 40	MD 5.990 TD: 5.996	MD 5.976 TD: 5.988	-0.23 %	-0.13 %
1169-01	05030190	CCBX57827	VLT 40	MD 5.995 TD: 6.003	MD 5.980 TD: 5.994	-0.25 %	-0.15 %
1169-01	05030192	CCBX57827	VLT 40	MD 5.996 TD: 5.998	MD 5.982 TD: 5.990	-0.23 %	-0.13 %
1169-01	05030192	CCBX57827	VLT 40	MD 5.998 TD: 6.000	MD 5.985 TD: 5.993	-0.22 %	-0.12 %
1169-01	05030194	CCBX57827	VLT 40	MD 5.989 TD: 5.988	MD 5.972 TD: 5.980	-0.28 %	-0.13 %
1169-01	05030194	CCBX57827	VLT 40	MD 5.989 TD: 5.991	MD 5.974 TD: 5.984	-0.25 %	-0.12 %
1169-01	05030196	CCBX57827	VLT 40	MD 5.994 TD: 5.995	MD 5.980 TD: 5.987	-0.23 %	-0.13 %
1169-01	05030196	CCBX57827	VLT 40	MD 5.991 TD: 5.994	MD 5.978 TD: 5.986	-0.22 %	-0.13 %
1169-01	05030198	CCBX57827	VLT 40	MD 5.999 TD: 5.998	MD 5.985 TD: 5.994	-0.23 %	-0.07 %
1169-01	05030198	CCBX57827	VLT 40	MD 5.993 TD: 5.996	MD 5.982 TD: 5.991	-0.18 %	-0.08 %
1169-01	05030200	CCBX57827	VLT 40	MD 5.994 TD: 5.990	MD 5.979 TD: 5.983	-0.25 %	-0.12 %
1169-01	05030200	CCBX57827	VLT 40	MD 5.994 TD: 5.995	MD 5.981 TD: 5.986	-0.22 %	-0.15 %

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Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030185

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	149	Type IV
Elong. Break %	2ND ROLL	350	775	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	55	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030190 ✓

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	822	
Puncture Resistance (lbs)	2ND ROLL	55	113	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030194

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	819	
Puncture Resistance (lbs)	2ND ROLL	55	123	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030195 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	819	
Puncture Resistance (lbs)	2ND ROLL	55	123	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030196 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	156	Type IV
Elong. Break %	2ND ROLL	350	796	
Puncture Resistance (lbs)	2ND ROLL	55	120	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030197

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	156	Type IV
Elong. Break %	2ND ROLL	350	796	
Puncture Resistance (lbs)	2ND ROLL	55	120	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

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Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030198 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	149	Type IV
Elong. Break %	2ND ROLL	350	800	
Puncture Resistance (lbs)	2ND ROLL	55	111	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L Seifert

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030199 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	149	Type IV
Elong. Break %	2ND ROLL	350	800	
Puncture Resistance (lbs)	2ND ROLL	55	111	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030200

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	154	Type IV
Elong. Break %	2ND ROLL	350	830	
Puncture Resistance (lbs)	2ND ROLL	55	107	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58349
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030201 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	154	Type IV
Elong. Break %	2ND ROLL	350	830	
Puncture Resistance (lbs)	2ND ROLL	55	107	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX58349
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030204 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	791	
Puncture Resistance (lbs)	2ND ROLL	55	110	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58349
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030205 ✓

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	791	
Puncture Resistance (lbs)	2ND ROLL	55	110	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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CERTIFIED BY:

Thomas P. Moran
Lab Manager

UNION CARBIDE
UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO39551
Internal Order No.: 357822

Blend	Quantity	Container Id	Ship Date
517676	197250	CC8X58349	04/13/95

The following test data was obtained :

Blend : 517676
Sample Id : PE246438
Date of Manufacture : 01/30/95

Test Description	Unit	Results
Melt Index	g/10min	.35
Melt Flow Index (190C/21.6kg)	g/10min	21.8
Density	g/cu cm	.9088

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

4/

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MAY 10, 1995
RAIL CAR # CCBX58349
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.31	0.909
2.	0.37	0.909
3.	0.33	0.908
4.	0.32	0.908
5.	0.33	0.907
6.	0.32	0.907
AVG	0.33	0.908
STD.	0.019	0.001

HLMI: 19.08

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO39551
Internal Order No.: 357835

Blend	Quantity	Container Id	Ship Date
517671	192400	CCBX57827	04/12/95

The following test data was obtained :

Blend : 517671
Sample Id : PE245464
Date of Manufacture : 01/29/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.6
Density	g/cu cm	.9083

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

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MELT INDEX / DENSITY

DATE TEST: APRIL 26, 1995
RAIL CAR #: CCBX57827
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.31	0.908
3.	0.29	0.910
4.	0.31	0.909
5.	0.31	0.908
6.	0.31	0.909
7.	0.32	0.909
8.	0.31	0.908
AVG.	0.31	0.909
STD.	0.008	0.001

HLMI: 18.61

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 043095
ROLL # : 05030173

MANF. DATE : 04/30/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	147	Type IV
Elong. Break %	2ND ROLL	350	812	
Puncture Resistance (lbs)	2ND ROLL	55	87	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF.	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030181 ✓

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919 ✓	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141 ✓	Type IV
Elong. Break %	2ND ROLL	350	847 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	118 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25 ✓	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending ✓	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030182

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141	Type IV
Elong. Break %	2ND ROLL	350	847	
Puncture Resistance (lbs)	2ND ROLL	55	118	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030183

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	136	Type IV
Elong. Break %	2ND ROLL	350	800	
Puncture Resistance (lbs)	2ND ROLL	55	131	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030184

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	136	Type IV
Elong. Break %	2ND ROLL	350	800	
Puncture Resistance (lbs)	2ND ROLL	55	131	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030186 ✓

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30 ✓	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920 ✓	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	149 ✓	Type IV
Elong. Break %	2ND ROLL	350	775 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	104 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	55 ✓	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030191

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	822	
Puncture Resistance (lbs)	2ND ROLL	55	113	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030192

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	807	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 050195
ROLL # : 05030193

MANF. DATE : 05/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	807	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58349
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030203

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	803	
Puncture Resistance (lbs)	2ND ROLL	55	120	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Quality Control Certificate

RAILCAR : CCBX58349
MATERIAL : VLT040A000
BATCH # : 050295
ROLL # : 05030206

MANF. DATE : 05/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	158	Type IV
Elong. Break %	2ND ROLL	350	792	
Puncture Resistance (lbs)	2ND ROLL	55	120	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 26, 1995
RAIL CAR #CCBX57827
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.31	0.908
3.	0.29	0.910
4.	0.31	0.909
5.	0.31	0.908
6.	0.31	0.909
7.	0.32	0.909
8.	0.31	0.908
AVG.	0.31	0.909
STD.	0.008	0.001

HLMI: 18.61

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO39551
Internal Order No.: 357835

Blend	Quantity	Container Id	Ship Date
517671	192400	CC8X57827	04/12/95

The following test data was obtained :

Blend : 517671
Sample Id : PE245464
Date of Manufacture : 01/29/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.6
Density	g/cu cm	.9083

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042695
ROLL # : 05030121

MANF. DATE : 04/26/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920 ✓	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	143 ✓	Type IV
Elong. Break %	2ND ROLL	350	829 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	116 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31 ✓	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042695
ROLL # : 05030122

MANF. DATE : 04/26/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	899	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042695
ROLL # : 05030123

MANF. DATE : 04/26/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	899	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042795
ROLL # : 05030128

MANF. DATE : 04/27/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	146	Type IV
Elong. Break %	2ND ROLL	350	838	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042895
ROLL # : 05030143

MANF. DATE : 04/28/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	154	Type IV
Elong. Break %	2ND ROLL	350	854	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042895
ROLL # : 05030144

MANF. DATE : 04/28/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	154	Type IV
Elong. Break %	2ND ROLL	350	854	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042895
ROLL # : 05030145

MANF. DATE : 04/28/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.33	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	165	Type IV
Elong. Break %	2ND ROLL	350	957	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042895
ROLL # : 05030146 ✓

MANF. DATE : 04/28/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.33	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	165	Type IV
Elong. Break %	2ND ROLL	350	957	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042895
ROLL # : 05030147 ✓

MANF. DATE : 04/28/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.33	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	859	
Puncture Resistance (lbs)	2ND ROLL	55	80	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042895
ROLL # : 05030148 ✓

MANF. DATE : 04/28/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.33	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	859	
Puncture Resistance (lbs)	2ND ROLL	55	80	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042995
ROLL # : 05030154 ✓

MANF. DATE : 04/29/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	142	Type IV
Elong. Break %	2ND ROLL	350	785	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX57827
MATERIAL : VLT040A000
BATCH # : 042995
ROLL # : 05030155 ✓

MANF. DATE : 04/29/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.32	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	842	
Puncture Resistance (lbs)	2ND ROLL	55	78	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #: CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO39551
Internal Order No.: 357835

Blend	Quantity	Container Id	Ship Date
517671	192400	CCBX57827	04/12/95

The following test data was obtained :

Blend : 517671
Sample Id : PE245464
Date of Manufacture : 01/29/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.6
Density	g/cu cm	.9083

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 26, 1995
RAIL CAR #CCBX57827
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.31	0.908
3.	0.29	0.910
4.	0.31	0.909
5.	0.31	0.908
6.	0.31	0.909
7.	0.32	0.909
8.	0.31	0.908
AVG.	0.31	0.909
STD.	0.008	0.001

HLMI: 18.61

GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: JUNE 23, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872



TRANSMITTED VIA: MAIL

Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of Items Attached
1	Low Temp Brittleness Test 5/04/95, 6/21/95

These are transmitted as noted:

As per project specifications.

Submitted by: Linda Koch

Gundle®

LOW TEMPERATURE BRITTLENESS
ASTM METHOD: D 746,B
MR#: 1169-01 JOB#: A442
DATE TESTED: 05/04/95

MR#	ROLL#:	RAILCAR#:	TEMPERATURE	PASS/FAIL
1169-01	03032048	CCBX57426	-94F	PASS
1169-01	03032050	CCBX57426	-94F	PASS
1169-01	03032052	CCBX57426	-94F	PASS
1169-01	05030042	CCBX57426	-94F	PASS
1169-01	05030044	CCBX57426	-94F	PASS
1169-01	05030047	CCBX57426	-94F	PASS
1169-01	05030049	CCBX57426	-94F	PASS
1169-01	05030077	CCBX57426	-94F	PASS
1169-01	05030079	CCBX57426	-94F	PASS
1169-01	05030081	CCBX57426	-94F	PASS
1169-01	05030083	CCBX57426	-94F	PASS
1169-01	05030085	CCBX57426	-94F	PASS
1169-01	05030087	ACFX37672	-94F	PASS
1169-01	05030089	ACFX37672	-94F	PASS
1169-01	05030091	ACFX37672	-94F	PASS
1169-01	05030093	ACFX37672	-94F	PASS
1169-01	05030095	ACFX37672	-94F	PASS
1169-01	05030097	ACFX37672	-94F	PASS
1169-01	05030099	ACFX37672	-94F	PASS
1169-01	05030101	ACFX37672	-94F	PASS
1169-01	05030103	ACFX37672	-94F	PASS
1169-01	05030105	ACFX37672	-94F	PASS
1169-01	05030107	ACFX37672	-94F	PASS
1169-01	05030111	CCBX57426	-94F	PASS
1169-01	05030114	CCBX57426	-94F	PASS
1169-01	05030116	CCBX57426	-94F	PASS
1169-01	05030118	CCBX57426	-94F	PASS
1169-01	05030120	CCBX57426	-94F	PASS
1169-01	05030122	CCBX57426	-94F	PASS
1169-01	05030124	CCBX57426	-94F	PASS
1169-01	05030126	CCBX57426	-94F	PASS
1169-01	05030128	CCBX57426	-94F	PASS
1169-01	05030130	CCBX57426	-94F	PASS
1169-01	05030132	CCBX57426	-94F	PASS
1169-01	05030134	CCBX57827	-94F	PASS
1169-01	05030138	CCBX57827	-94F	PASS
1169-01	05030140	CCBX57827	-94F	PASS
1169-01	05030142	CCBX57827	-94F	PASS
1169-01	05030144	CCBX57827	-94F	PASS
1169-01	05030146	CCBX57827	-94F	PASS
1169-01	05030148	CCBX57827	-94F	PASS
1169-01	05030150	CCBX57827	-94F	PASS

CERTIFIED BY: _____ LAB MANAGER

Gundle®

LOW TEMPERATURE BRITTLENESS

ASTM METHOD: D 746,B

MR#: 1169-01 JOB#: A442

DATE TESTED: 05/04/95

MR#	ROLL#:	RAILCAR#:	TEMPERATURE	PASS/FAIL
1169-01	05030152	CCBX57827	-94F	PASS
1169-01	05030154	CCBX57827	-94F	PASS
1169-01	05030156	CCBX57827	-94F	PASS
1169-01	05030158	CCBX57827	-94F	PASS
1169-01	05030160	CCBX57827	-94F	PASS
1169-01	05030162	CCBX57827	-94F	PASS
1169-01	05030164	CCBX57827	-94F	PASS
1169-01	05030166	CCBX57827	-94F	PASS
1169-01	05030169	CCBX57827	-94F	PASS
1169-01	05030172	CCBX57827	-94F	PASS
1169-01	05030174	CCBX57827	-94F	PASS
1169-01	05030176	CCBX57827	-94F	PASS
1169-01	05030178	CCBX57827	-94F	PASS
1169-01	05030180	CCBX57827	-94F	PASS
1169-01	05030182	CCBX57827	-94F	PASS
1169-01	05030185	CCBX57827	-94F	PASS
1169-01	05030186	CCBX57827	-94F	PASS
1169-01	05030188	CCBX57827	-94F	PASS
1169-01	05030190	CCBX57827	-94F	PASS
1169-01	05030192	CCBX57827	-94F	PASS
1169-01	05030194	CCBX57827	-94F	PASS
1169-01	05030196	CCBX57827	-94F	PASS
1169-01	05030198	CCBX57827	-94F	PASS
1169-01	05030200	CCBX57827	-94F	PASS
1169-01	05030202	CCBX58349	-94F	PASS
1169-01	05030204	CCBX58349	-94F	PASS
1169-01	05030206	CCBX58349	-94F	PASS
1169-01	05030208	CCBX58349	-94F	PASS
1169-01	05030210	CCBX58349	-94F	PASS
1169-01	05030212	CCBX58349	-94F	PASS

CERTIFIED BY: LAB MANAGER

Gundle®

LOW TEMPERATURE BRITTLENESS

ASTM METHOD: D 746,B
MR#: 1169-01 JOB#: A442
DATE TESTED: 06/21/95

MR#	ROLL#:	RAILCAR#:	TEMPERATURE	PASS/FAIL
1169-01	03033192	CCBX58172	-94F	PASS
1169-01	03033194	CCBX58172	-94F	PASS
1169-01	03033196	CCBX58172	-94F	PASS
1169-01	03033198	CCBX58172	-94F	PASS
1169-01	03033201	CCBX58172	-94F	PASS
1169-01	03033203	CCBX58172	-94F	PASS
1169-01	03033205	CCBX58172	-94F	PASS
1169-01	03033208	CCBX58172	-94F	PASS
1169-01	03033209	CCBX58172	-94F	PASS
1169-01	03033211	CCBX58172	-94F	PASS
1169-01	03033213	CCBX58172	-94F	PASS
1169-01	03033215	CCBX58172	-94F	PASS
1169-01	03033217	CCBX58292	-94F	PASS
1169-01	03033219	CCBX58292	-94F	PASS
1169-01	03033221	CCBX58292	-94F	PASS
1169-01	03033223	CCBX58292	-94F	PASS
1169-01	03033225	CCBX58292	-94F	PASS
1169-01	03033227	CCBX58292	-94F	PASS
1169-01	03033229	CCBX58292	-94F	PASS
1169-01	03033231	CCBX58292	-94F	PASS
1169-01	03033233	CCBX58292	-94F	PASS
1169-01	03033235	CCBX58292	-94F	PASS
1169-01	03033237	CCBX58292	-94F	PASS
1169-01	03033239	CCBX58292	-94F	PASS
1169-01	03033241	CCBX58292	-94F	PASS
1169-01	03033243	CCBX58292	-94F	PASS
1169-01	03033245	CCBX58292	-94F	PASS
1169-01	03033247	CCBX58292	-94F	PASS
1169-01	03033249	CCBX58292	-94F	PASS
1169-01	03033251	CCBX58292	-94F	PASS
1169-01	03033254	CCBX58292	-94F	PASS
1169-01	03033255	CCBX58292	-94F	PASS
1169-01	03033257	CCBX58292	-94F	PASS
1169-01	03033259	CCBX58292	-94F	PASS
1169-01	03033261	CCBX58292	-94F	PASS
1169-01	03033264	CCBX58292	-94F	PASS
1169-01	03033266	CCBX58292	-94F	PASS
1169-01	03033272	CCBX58292	-94F	PASS
1169-01	03033274	CCBX58292	-94F	PASS
1169-01	03033276	CCBX58292	-94F	PASS

CERTIFIED BY: [signature] < 94 SPECIFICATION LAB MANAGER [signature]

Gundle®

DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 06/20/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	03033259	CCBX58292	VLT 40	MD 6.005 TD: 5.993	MD 5.954 TD: 5.997	-0.85 %	0.07 %
1169-01	03033259	CCBX58292	VLT 40	MD 6.010 TD: 6.005	MD 5.962 TD: 6.003	-0.80 %	-0.03 %
1169-01	03033192	CCBX58172	VLT 40	MD 5.993 TD: 5.992	MD 5.968 TD: 5.993	-0.42 %	0.02 %
1169-01	03033192	CCBX58172	VLT 40	MD 5.997 TD: 6.000	MD 5.965 TD: 5.998	-0.53 %	-0.03 %
1169-01	03033194	CCBX58172	VLT 40	MD 5.960 TD: 6.004	MD 5.947 TD: 5.992	-0.22 %	-0.20 %
1169-01	03033194	CCBX58172	VLT 40	MD 5.942 TD: 5.996	MD 5.918 TD: 5.996	-0.40 %	0.00 %
1169-01	03033196	CCBX58292	VLT 40	MD 5.994 TD: 6.007	MD 5.956 TD: 5.995	-0.63 %	-0.20 %
1169-01	03033196	CCBX58292	VLT 40	MD 5.853 TD: 6.004	MD 5.913 TD: 5.993	1.03 %	-0.18 %
1169-01	03033198	CCBX58292	VLT 40	MD 5.994 TD: 5.994	MD 5.962 TD: 5.997	-0.53 %	0.05 %
1169-01	03033198	CCBX58292	VLT 40	MD 5.993 TD: 5.997	MD 5.908 TD: 5.995	-1.42 %	-0.03 %
1169-01	03033201	CCBX58292	VLT 40	MD 5.996 TD: 5.994	MD 5.958 TD: 5.994	-0.63 %	0.00 %
1169-01	03033201	CCBX58292	VLT 40	MD 5.996 TD: 6.002	MD 5.951 TD: 5.990	-0.75 %	-0.20 %
1169-01	03033203	CCBX58292	VLT 40	MD 5.995 TD: 5.990	MD 5.957 TD: 5.993	-0.63 %	0.05 %
1169-01	03033203	CCBX58292	VLT 40	MD 5.993 TD: 5.992	MD 5.964 TD: 5.994	-0.48 %	0.03 %
1169-01	03033205	CCBX58292	VLT 40	MD 5.997 TD: 6.000	MD 5.978 TD: 5.992	-0.32 %	-0.13 %
1169-01	03033205	CCBX58292	VLT 40	MD 5.998 TD: 5.995	MD 5.977 TD: 5.992	-0.35 %	-0.05 %
1169-01	03033208	CCBX58292	VLT 40	MD 6.000 TD: 5.992	MD 5.964 TD: 6.001	-0.60 %	0.15 %
1169-01	03033208	CCBX58292	VLT 40	MD 5.990 TD: 5.995	MD 5.951 TD: 6.002	-0.65 %	0.12 %
1169-01	03033209	CCBX58292	VLT 40	MD 6.000 TD: 5.997	MD 5.968 TD: 5.999	-0.53 %	0.03 %
1169-01	03033209	CCBX58292	VLT 40	MD 5.998 TD: 5.997	MD 5.975 TD: 5.996	-0.38 %	-0.02 %

* Roll not on site.

CERTIFIED BY: Darlene Ryle LAB MANAGER

Gundle®

DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 06/20/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	03033211	CCBX58172	VLT 40	MD 5.998 TD: 5.992	MD 5.959 TD: 6.006	-0.65 %	0.23 %
1169-01	03033211	CCBX58172	VLT 40	MD 5.999 TD: 5.998	MD 5.981 TD: 5.999	-0.30 %	0.02 %
1169-01	03033213	CCBX58172	VLT 40	MD 6.002 TD: 6.005	MD 5.973 TD: 6.007	-0.48 %	0.03 %
1169-01	03033213	CCBX58172	VLT 40	MD 5.996 TD: 5.993	MD 5.972 TD: 5.997	-0.40 %	0.07 %
1169-01	03033215	CCBX58172	VLT 40	MD 5.996 TD: 6.001	MD 5.966 TD: 6.002	-0.50 %	0.02 %
1169-01	03033215	CCBX58172	VLT 40	MD 5.998 TD: 5.999	MD 5.957 TD: 6.002	-0.68 %	0.05 %
1169-01	03033217	CCBX58292	VLT 40	MD 6.006 TD: 5.999	MD 5.947 TD: 6.005	-0.98 %	0.10 %
1169-01	03033217	CCBX58292	VLT 40	MD 6.006 TD: 6.000	MD 5.965 TD: 6.006	-0.68 %	0.10 %
1169-01	03033219	CCBX58292	VLT 40	MD 5.997 TD: 5.995	MD 5.956 TD: 5.997	-0.68 %	0.03 %
1169-01	03033219	CCBX58292	VLT 40	MD 6.001 TD: 5.996	MD 5.960 TD: 6.007	-0.68 %	0.18 %
1169-01	03033221	CCBX58292	VLT 40	MD 6.002 TD: 6.003	MD 5.952 TD: 6.008	-0.83 %	0.08 %
1169-01	03033221	CCBX58292	VLT 40	MD 5.995 TD: 5.996	MD 5.936 TD: 6.013	-0.98 %	0.28 %
1169-01	03033223	CCBX58292	VLT 40	MD 5.999 TD: 6.004	MD 5.966 TD: 5.997	-0.55 %	-0.12 %
1169-01	03033223	CCBX58292	VLT 40	MD 5.999 TD: 5.993	MD 5.969 TD: 5.998	-0.50 %	0.08 %
1169-01	03033225	CCBX58292	VLT 40	MD 6.001 TD: 6.003	MD 5.968 TD: 6.000	-0.55 %	-0.05 %
1169-01	03033225	CCBX58292	VLT 40	MD 5.997 TD: 6.002	MD 5.967 TD: 6.001	-0.50 %	-0.02 %
1169-01	03033227	CCBX58292	VLT 40	MD 5.998 TD: 6.005	MD 5.971 TD: 6.001	-0.45 %	-0.07 %
1169-01	03033227	CCBX58292	VLT 40	MD 5.998 TD: 6.001	MD 5.958 TD: 6.001	-0.67 %	0.00 %
1169-01	03033229	CCBX58292	VLT 40	MD 5.999 TD: 6.001	MD 5.965 TD: 6.008	-0.57 %	0.12 %
1169-01	03033229	CCBX58292	VLT 40	MD 5.996 TD: 5.995	MD 5.955 TD: 6.005	-0.68 %	0.17 %

CERTIFIED BY: Darlene Taylor LAB MANAGER for

Gundle®

DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE: 06/20/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	03033231	CCBX58292	VLT 40	MD 5.998 TD: 6.005	MD 5.960 TD: 6.004	-0.63 %	-0.02 %
1169-01	03033231	CCBX58292	VLT 40	MD 5.995 TD: 5.994	MD 5.973 TD: 6.002	-0.37 %	0.13 %
1169-01	03033233	CCBX58292	VLT 40	MD 5.995 TD: 5.994	MD 5.970 TD: 6.004	-0.42 %	0.17 %
1169-01	03033233	CCBX58292	VLT 40	MD 5.993 TD: 5.994	MD 5.966 TD: 6.002	-0.45 %	0.13 %
1169-01	03033235	CCBX58292	VLT 40	MD 5.992 TD: 5.995	MD 5.966 TD: 6.005	-0.43 %	0.17 %
1169-01	03033235	CCBX58292	VLT 40	MD 5.997 TD: 5.992	MD 5.957 TD: 6.003	-0.67 %	0.18 %
1169-01	03033237	CCBX58292	VLT 40	MD 5.993 TD: 5.998	MD 5.959 TD: 6.001	-0.57 %	0.04 %
1169-01	03033237	CCBX58292	VLT 40	MD 5.991 TD: 5.992	MD 5.965 TD: 6.004	-0.43 %	0.20 %
1169-01	03033239	CCBX58292	VLT 40	MD 5.992 TD: 5.996	MD 5.965 TD: 6.006	-0.45 %	0.17 %
1169-01	03033239	CCBX58292	VLT 40	MD 5.992 TD: 5.994	MD 5.966 TD: 6.005	-0.43 %	0.18 %
1169-01	03033241	CCBX58292	VLT 40	MD 6.000 TD: 5.988	MD 5.971 TD: 5.993	-0.48 %	0.08 %
1169-01	03033241	CCBX58292	VLT 40	MD 5.994 TD: 5.988	MD 5.957 TD: 5.995	-0.62 %	0.12 %
1169-01	03033243	CCBX58292	VLT 40	MD 5.992 TD: 5.993	MD 5.956 TD: 6.003	-0.60 %	0.17 %
1169-01	03033243	CCBX58292	VLT 40	MD 5.988 TD: 5.992	MD 5.966 TD: 6.001	-0.37 %	0.15 %
1169-01	03033245	CCBX58292	VLT 40	MD 5.989 TD: 5.995	MD 5.982 TD: 6.005	-0.12 %	0.17 %
1169-01	03033245	CCBX58292	VLT 40	MD 5.987 TD: 5.994	MD 5.970 TD: 5.999	-0.28 %	0.08 %
1169-01	03033247	CCBX58292	VLT 40	MD 5.988 TD: 5.995	MD 5.982 TD: 6.005	-0.10 %	0.17 %
1169-01	03033247	CCBX58292	VLT 40	MD 5.994 TD: 5.996	MD 5.962 TD: 5.998	-0.53 %	0.03 %
1169-01	03033249	CCBX58292	VLT 40	MD 5.997 TD: 5.995	MD 5.976 TD: 5.998	-0.35 %	0.05 %
1169-01	03033249	CCBX58292	VLT 40	MD 5.995 TD: 5.997	MD 5.973 TD: 6.003	-0.37 %	0.10 %

CERTIFIED BY: Darlene Ryan LAB MANAGER

Gundle Lining Construction Corp

Gundle®

19103 Gundle Road
Houston, Texas 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

via telefax (516) 261-2061

MEMO

July 7, 1995

To: Bob Brewster
From: Kevin Simms
RE: Dimensional Stability

Bob:

Gundle's lab has verified the reported value on Dimensional Stability for roll number 03033255 is in error. This is a typographical error and will be corrected. The corrected report is attached.

Gundle Lining Systems Inc

Gundle®

19103 Gundle Road
Houston, Texas 77073-3598
U.S.A.

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Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

To: Kevin Simms
From: Chris S. Long
Date: 07-07-95

Re: MR# 1169-01
Job# A442
Dimensional Stability Results

Please discard the previous dimensional stability results for roll number 03033255 from railcar CCBX58292. The first measurement after heating in the Transverse direction was typed wrong. The correct results are:

Measurements before heating		Measurements after heating		Changes Recorded	
MD:6.002	TD:6.005	MD:5.969	TD:6.003	-0.55%	-0.03%
MD:5.947	TD:6.000	MD:5.937	TD:6.004	-0.17%	-0.07%

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DIMENSIONAL STABILITY
MR# 1169-01 JOB# A442
DATE; 06/20/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	03033251	CCBX58292	VLT 40	MD 5.997 TD: 5.998	MD 5.983 TD: 6.000	-0.23 %	0.03 %
1169-01	03033251	CCBX58292	VLT 40	MD 5.998 TD: 5.998	MD 5.978 TD: 6.004	-0.33 %	0.10 %
1169-01	03033254	CCBX58292	VLT 40	MD 6.001 TD: 5.994	MD 5.982 TD: 5.997	-0.32 %	0.05 %
1169-01	03033254	CCBX58292	VLT 40	MD 5.995 TD: 6.000	MD. 5.987 TD: 5.999	-0.13 %	-0.02 %
1169-01	03033255	CCBX58292	VLT 40	MD 6.002 TD: 6.005	MD 5.969 TD: 5.003	-0.55 %	-16.69 %
1169-01	03033255	CCBX58292	VLT 40	MD 5.947 TD: 6.000	MD 5.937 TD: 6.004	-0.17 %	0.07 %
1169-01	03033257	CCBX58292	VLT 40	MD 6.003 TD: 5.993	MD 5.989 TD: 5.995	-0.23 %	0.03 %
1169-01	03033257	CCBX58292	VLT 40	MD 5.997 TD: 5.998	MD 5.980 TD: 5.999	-0.28 %	0.02 %
1169-01	03033261	CCBX58292	VLT 40	MD 6.002 TD: 5.994	MD 5.981 TD: 6.003	-0.35 %	0.15 %
1169-01	03033261	CCBX58292	VLT 40	MD 5.992 TD: 5.993	MD 5.983 TD: 6.004	-0.15 %	0.18 %

~~NOT ON SITE~~ SEE CORRECTED RESULTS MEMO JULY 7, 1995 FROM GUNDLE

CERTIFIED BY: Darlene [illegible] LAB MANAGER [illegible]

GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: JUNE 28, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

RECEIVED

TRANSMITTED VIA: MAIL

Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of Items Attached
1	DIMENSIONAL STABILITY REPORT
1	QA/QC CERTIFICATES AS PER BILL OF LADING 45066

These are transmitted as noted:

As per project specifications.

Submitted by: Linda Koch

DIMENSIONAL STABILITY

Gundle®

MR#: 1169-01 JOB#: A442
DATE: 06/22/95

T: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)		Measurements After Heating (inches)		CHANGES RECORDED	
03033264	CCBX58292	VLT 40	MD 5.996	TD: 5.991	MD 6.000	TD: 6.013	0.06 %	0.37 %
03033264	CCBX58292	VLT 40	MD 5.996	TD: 5.994	MD 5.961	TD: 6.019	-0.58 %	0.42 %
03033266	CCBX58292	VLT 40	MD 5.988	TD: 5.993	MD 5.952	TD: 6.027	-0.60 %	0.57 %
03033266	CCBX58292	VLT 40	MD 5.990	TD: 5.997	MD 5.961	TD: 6.021	-0.48 %	0.40 %
03033272	CCBX58292	VLT 40	MD 5.989	TD: 5.996	MD 5.966	TD: 6.029	-0.38 %	0.55 %
03033272	CCBX58292	VLT 40	MD 5.988	TD: 5.992	MD 5.981	TD: 6.025	-0.12 %	0.55 %
03033274	CCBX58292	VLT 40	MD 5.905	TD: 6.000	MD 5.962	TD: 6.025	0.97 %	0.42 %
03033274	CCBX58292	VLT 40	MD 5.986	TD: 5.995	MD 5.971	TD: 6.011	-0.25 %	0.27 %
03033276	CCBX58292	VLT 40	MD 5.994	TD: 5.995	MD 5.968	TD: 6.019	-0.43 %	0.40 %
03033276	CCBX58292	VLT 40	MD 5.994	TD: 5.999	MD 5.961	TD: 6.017	-0.55 %	0.30 %
03033278	CCBX58292	VLT 40	MD 5.990	TD: 6.001	MD 5.984	TD: 6.027	-0.10 %	0.43 %
03033278	CCBX58292	VLT 40	MD 5.991	TD: 5.996	MD 5.974	TD: 6.025	-0.28 %	0.48 %
03033280	CCBX58292	VLT 40	MD 5.992	TD: 5.994	MD 5.973	TD: 6.028	-0.32 %	0.57 %
03033280	CCBX58292	VLT 40	MD 5.991	TD: 5.995	MD 5.964	TD: 6.024	-0.45 %	0.48 %
03033282	CCBX58292	VLT 40	MD 5.996	TD: 5.997	MD 5.958	TD: 6.028	-0.63 %	0.52 %
03033282	CCBX58292	VLT 40	MD 5.993	TD: 5.994	MD 5.963	TD: 6.019	-0.50 %	0.42 %
03033284	CCBX58292	VLT 40	MD 5.992	TD: 5.998	MD 5.965	TD: 6.029	-0.45 %	0.52 %
03033284	CCBX58292	VLT 40	MD 5.990	TD: 5.993	MD 5.977	TD: 6.019	-0.22 %	0.43 %
03033286	CCBX58292	VLT 40	MD 5.993	TD: 5.999	MD 5.954	TD: 6.024	-0.65 %	0.42 %
03033286	CCBX58292	VLT 40	MD 5.997	TD: 5.995	MD 5.974	TD: 6.018	-0.38 %	0.38 %

CERTIFIED BY: LAB MANAGER

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033231

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	139	Type IV
Elong. Break %	2ND ROLL	350	732	
Puncture Resistance (lbs)	2ND ROLL	55	123	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033272 ✓

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	166	Type IV
Elong. Break %	2ND ROLL	350	710	
Puncture Resistance (lbs)	2ND ROLL	55	122	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033273

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.925	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	166	Type IV
Elong. Break %	2ND ROLL	350	710	
Puncture Resistance (lbs)	2ND ROLL	55	122	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033282 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	821	
Puncture Resistance (lbs)	2ND ROLL	55	110	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033284

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	158	Type IV
Elong. Break %	2ND ROLL	350	863	
Puncture Resistance (lbs)	2ND ROLL	55	111	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033232

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	139	Type IV
Elong. Break %	2ND ROLL	350	732	
Puncture Resistance (lbs)	2ND ROLL	55	123	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033238 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	131	Type IV
Elong. Break %	2ND ROLL	350	724	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033239 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141	Type IV
Elong. Break %	2ND ROLL	350	790	
Puncture Resistance (lbs)	2ND ROLL	55	99	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033248 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.917	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	137	Type IV
Elong. Break %	2ND ROLL	350	722	
Puncture Resistance (lbs)	2ND ROLL	55	76	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

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Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033249 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.917	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	137	Type IV
Elong. Break %	2ND ROLL	350	722	
Puncture Resistance (lbs)	2ND ROLL	55	76	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033250 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.917	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	693	
Puncture Resistance (lbs)	2ND ROLL	55	100	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033255 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	132	Type IV
Elong. Break %	2ND ROLL	350	777	
Puncture Resistance (lbs)	2ND ROLL	55	76	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033258

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV
Elong. Break %	2ND ROLL	350	737	
Puncture Resistance (lbs)	2ND ROLL	55	116	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033265

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	144	Type IV
Elong. Break %	2ND ROLL	350	727	
Puncture Resistance (lbs)	2ND ROLL	55	125	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033266

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	153	Type IV
Elong. Break %	2ND ROLL	350	792	
Puncture Resistance (lbs)	2ND ROLL	55	99	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	32	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033280 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-2	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	800	
Puncture Resistance (lbs)	2ND ROLL	55	121	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	38	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358160

Blend	Quantity	Container Id	Ship Date
517682	197850	CCBX58292	04/18/95

The following test data was obtained :

Blend : 517682
Sample Id : PE247480
Date of Manufacture : 02/02/95

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	20.5
Density	g/cu cm	.9089

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58292
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.32	0.906
2.	0.34	0.908
3.	0.35	0.906
4.	0.34	0.907
5.	0.32	0.907
6.	0.34	0.907
AVG	0.34	0.907
STD.	0.011	0.001

HLMI: 22.05

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Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033225 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	733	
Puncture Resistance (lbs)	2ND ROLL	55	86	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033237 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	131	Type IV
Elong. Break %	2ND ROLL	350	724	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033240 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141	Type IV
Elong. Break %	2ND ROLL	350	790	
Puncture Resistance (lbs)	2ND ROLL	55	99	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033245

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	129	Type IV
Elong. Break %	2ND ROLL	350	719	
Puncture Resistance (lbs)	2ND ROLL	55	91	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033260 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	154	Type IV
Elong. Break %	2ND ROLL	350	716	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033264 ✓

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	144	Type IV
Elong. Break %	2ND ROLL	350	727	
Puncture Resistance (lbs)	2ND ROLL	55	125	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033272 ✓

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	166	Type IV
Elong. Break %	2ND ROLL	350	710	
Puncture Resistance (lbs)	2ND ROLL	55	122	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033273

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.925	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	166	Type IV
Elong. Break %	2ND ROLL	350	710	
Puncture Resistance (lbs)	2ND ROLL	55	122	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033282 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	821	
Puncture Resistance (lbs)	2ND ROLL	55	110	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033284

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	158	Type IV
Elong. Break %	2ND ROLL	350	863	
Puncture Resistance (lbs)	2ND ROLL	55	111	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033289 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	169	Type IV
Elong. Break %	2ND ROLL	350	815	
Puncture Resistance (lbs)	2ND ROLL	55	136	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

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Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033290 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min).	1/SHIFT	0.60 max	0.33	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	162	Type IV
Elong. Break %	2ND ROLL	350	842	
Puncture Resistance (lbs)	2ND ROLL	55	118	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358160

Blend	Quantity	Container Id	Ship Date
517682	197850	CCBX58292	04/18/95

The following test data was obtained :

Blend : 517682
Sample Id : PE247480
Date of Manufacture : 02/02/95

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	20.5
Density	g/cu cm	.9089

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58292
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.32	0.906
2.	0.34	0.908
3.	0.35	0.906
4.	0.34	0.907
5.	0.32	0.907
6.	0.34	0.907
AVG	0.34	0.907
STD.	0.011	0.001

HLMI: 22.05

GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

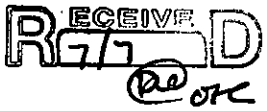
Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: JUNE 27, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: MAIL



Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC CERTIFICATES AS PER BILL OF LADING 44923, 44995

These are transmitted as noted:

As per project specifications.

Submitted by: Linda Koch

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061595
ROLL # : 03033197

MANF. DATE : 06/15/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	146	Type IV
Elong. Break %	2ND ROLL	350	715	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

Gundle®

Quality Control Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061595
ROLL # : 03033198 ✓

MANF. DATE : 06/15/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.910	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	164	Type IV
Elong. Break %	2ND ROLL	350	763	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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The State of Texas

Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033204 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.910	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	127	Type IV
Elong. Break %	2ND ROLL	350	735	
Puncture Resistance (lbs)	2ND ROLL	55	113	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033216 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	131	Type IV
Elong. Break %	2ND ROLL	350	700	
Puncture Resistance (lbs)	2ND ROLL	55	98	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033217 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	131	Type IV
Elong. Break %	2ND ROLL	350	700	
Puncture Resistance (lbs)	2ND ROLL	55	98	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033256 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	706	
Puncture Resistance (lbs)	2ND ROLL	55	107	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Comm. Exp. 02-27-99

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033257 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV
Elong. Break %	2ND ROLL	350	737	
Puncture Resistance (lbs)	2ND ROLL	55	116	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033277

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-2	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV
Elong. Break %	2ND ROLL	350	752	
Puncture Resistance (lbs)	2ND ROLL	55	124	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	34	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033278

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-2	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	144	Type IV
Elong. Break %	2ND ROLL	350	786	
Puncture Resistance (lbs)	2ND ROLL	55	88	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033281 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-2	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	800	
Puncture Resistance (lbs)	2ND ROLL	55	121	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	38	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033283 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	821	
Puncture Resistance (lbs)	2ND ROLL	55	110	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357810

Blend	Quantity	Container Id	Ship Date
517652	193600	CCBX58172	04/12/95

The following test data was obtained :

Blend : 517652
Sample Id : PE242359
Date of Manufacture : 01/22/95

Test Description	Unit	Results
Melt Index	g/10min	.29
Melt Flow Index (190C/21.6kg)	g/10min	17.2
Density	g/cu cm	.9075

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MAY 17, 1995
RAIL CAR # CCBX58172
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.29	0.908
2.	0.26	0.908
3.	0.27	0.907
4.	0.27	0.908
5.	0.26	0.908
6.	0.26	0.908
7.	0.26	0.907
8.	0.25	0.907
AVG	0.27	0.908
STD.	0.011	0.000

HLMI: 17.37

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357810

Blend	Quantity	Container Id	Ship Date
517652	193600	CCBX58172	04/12/95

The following test data was obtained :

Blend : 517652
Sample Id : PE242359
Date of Manufacture : 01/22/95

Test Description	Unit	Results
Melt Index	g/10min	.29
Melt Flow Index (190C/21.6kg)	g/10min	17.2
Density	g/cu cm	.9075

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MAY 17, 1995
RAIL CAR # CCBX58172
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.29	0.908
2.	0.26	0.908
3.	0.27	0.907
4.	0.27	0.908
5.	0.26	0.908
6.	0.26	0.908
7.	0.26	0.907
8.	0.25	0.907
AVG	0.27	0.908
STD.	0.011	0.000

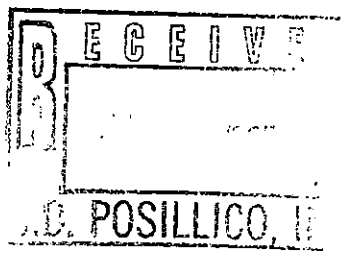
HLMI: 17.37

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DIMENSIONAL STABILITY
MR#: 1169-01 JOB#: A442
DATE: 06/27/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	03033288	CCBX58292	VLT 40	MD 5.996 TD: 5.991	MD 5.961 TD: 6.005	-0.58 %	0.23 %
1169-01	03033288	CCBX58292	VLT 40	MD 5.994 TD: 5.989	MD 5.960 TD: 6.006	-0.57 %	0.28 %
1169-01	03033290	CCBX58292	VLT 40	MD 5.992 TD: 5.999	MD 5.956 TD: 6.008	-0.60 %	0.15 %
1169-01	03033290	CCBX58292	VLT 40	MD 5.992 TD: 5.993	MD 5.951 TD: 6.004	-0.68 %	0.18 %
1169-01	03033292	CCBX58292	VLT 40	MD 5.991 TD: 5.991	MD 5.950 TD: 6.007	-0.68 %	0.27 %
1169-01	03033292	CCBX58292	VLT 40	MD 5.995 TD: 5.990	MD 5.961 TD: 6.002	-0.57 %	0.20 %



CERTIFIED BY:  LAB MANAGER

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033220

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	781	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033222 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	136	Type IV
Elong. Break %	2ND ROLL	350	726	
Puncture Resistance (lbs)	2ND ROLL	55	82	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033223

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	136	Type IV
Elong. Break %	2ND ROLL	350	726	
Puncture Resistance (lbs)	2ND ROLL	55	82	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033226 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	731	
Puncture Resistance (lbs)	2ND ROLL	55	113	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033229

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	706	
Puncture Resistance (lbs)	2ND ROLL	55	138	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033233 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	139	Type IV
Elong. Break %	2ND ROLL	350	776	
Puncture Resistance (lbs)	2ND ROLL	55	105	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033235 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	143	Type IV
Elong. Break %	2ND ROLL	350	801	
Puncture Resistance (lbs)	2ND ROLL	55	142	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert

Deborah L. Seifert
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CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033236 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	143	Type IV
Elong. Break %	2ND ROLL	350	801	
Puncture Resistance (lbs)	2ND ROLL	55	142	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033241

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	729	
Puncture Resistance (lbs)	2ND ROLL	55	105	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033242 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	138	Type IV
Elong. Break %	2ND ROLL	350	729	
Puncture Resistance (lbs)	2ND ROLL	55	105	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033243 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	128	Type IV
Elong. Break %	2ND ROLL	350	702	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061895
ROLL # : 03033244 ✓

MANF. DATE : 06/18/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	128	Type IV
Elong. Break %	2ND ROLL	350	702	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358160

Blend	Quantity	Container Id	Ship Date
517682	197850	CCBX58292	04/18/95

The following test data was obtained :

Blend : 517682
Sample Id : PE247480
Date of Manufacture : 02/02/95

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	20.5
Density	g/cu cm	.9089

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58292
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.32	0.906
2.	0.34	0.908
3.	0.35	0.906
4.	0.34	0.907
5.	0.32	0.907
6.	0.34	0.907
AVG	0.34	0.907
STD.	0.011	0.001

HLMI: 22.05

GSE LINING TECHNOLOGY INC.

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: November 10, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **Regular Mail**

G S E hereby submits the following:

No. of Copies	Description of Items Attached
1	Environmental Stress Crack Resistance Tests
1	Low Temperature Brittleness Tests

These are transmitted as noted:

As per project specifications.

Submitted by: Connie Enmon

RECEIVED
16 NOV 95
EDD

GSE Lining Technology, Inc.

Report Date
08-Nov-95

Environmental Stress Crack Resistance
ASTM D 1693, Condition B (NSF 54 Modified)

MR#: 1169-01
Job#: A442

MR No.	Roll No.	Product Code	Railcar No.	Resin Supplier	Status [hrs.]
1169-01	03033196	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033198	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033201	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033203	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033205	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033208	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033209	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033211	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033213	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033215	VLT40	CCBX58172	UNION CAR.	>2064
1169-01	03033217	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033219	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033221	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033223	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033225	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033227	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033229	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033231	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033233	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033235	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033237	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033239	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033241	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033243	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033245	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033247	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033249	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033251	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033254	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033255	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033257	VLT40	CCBX58292	UNION CAR.	>2064



GSE Lining Technology, Inc.

Report Date
08-Nov-95

Environmental Stress Crack Resistance
ASTM D 1693, Condition B (NSF 54 Modified)

MR#: 1169-01
Job#: A442

MR No.	Roll No.	Product Code	Railcar No.	Resin Supplier	Status [hrs.]
1169-01	03033259	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033261	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033264	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033266	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033272	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033274	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033276	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033278	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033280	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033282	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033284	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033286	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033288	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033290	VLT40	CCBX58292	UNION CAR.	>2064
1169-01	03033292	VLT40	CCBX58292	UNION CAR.	>2064



GSE Lining Technology, Inc.

Report Date
08-Nov-95

Environmental Stress Crack Resistance
ASTM D 1693, Condition B (NSF 54 Modified)

MR#: 1169-01
Job#: A442

MR No.	Roll No.	Product Code	Railcar No.	Resin Supplier	Status [hrs.]
1169-01	05027416	VLT40	CCBX57754	UNION CAR.	>2184
1169-01	05029745	VLT40	ACFX37696	UNION CAR.	>2184
1169-01	05029747	VLT40	ACFX37696	UNION CAR.	>2184
1169-01	05029749	VLT40	ACFX37696	UNION CAR.	>2184
1169-01	05029751	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029757	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029759	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029761	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029763	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029765	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029767	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029769	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029771	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029773	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029775	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029780	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029782	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029784	VLT40	ACFX37672	UNION CAR.	>2184
1169-01	05029786	VLT40	ACFX37672	UNION CAR.	>2184

MM
11/8/95

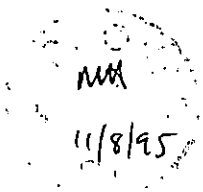
GSE Lining Technology, Inc.

Report Date
08-Nov-95

Environmental Stress Crack Resistance
ASTM D 1693, Condition B (NSF 54 Modified)

MR#: 1169-01
Job#: A442

MR No.	Roll No.	Product Code	Railcar No.	Resin Supplier	Status [hrs.]
1169-01	05030120	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030122	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030124	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030126	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030128	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030130	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030132	VLT40	CCBX57426	UNION CAR.	>2496
1169-01	05030134	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030136	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030138	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030140	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030142	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030144	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030146	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030148	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030150	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030152	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030154	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030156	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030158	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030160	VLT40	CCBX57827	UNION CAR.	>2088
1169-01	05030182	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030185	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030188	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030190	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030192	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030194	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030196	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030198	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030200	VLT40	CCBX57827	UNION CAR.	>2496
1169-01	05030204	VLT40	CCBX58349	UNION CAR.	>2496
1169-01	05030206	VLT40	CCBX58349	UNION CAR.	>2496



GSE Lining Technology, Inc.

Report Date
08-Nov-95

Low Temperature Brittleness
ASTM D 746, Procedure B
Test Date: 06/21/95

MR#: 1169-01
Job#: A442

MR No.	Roll No.	Product Code	Railcar No.	Specification [°C]	[°F]	Status
1169-01	03033278	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033280	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033282	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033284	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033286	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033288	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033290	VLT 40	CCX58292	-70 °C	-94 °F	PASS
1169-01	03033292	VLT 40	CCX58292	-70 °C	-94 °F	PASS

11/8/95

GSE Lining Technology, Inc.

Report Date
10-Nov-95

Low Temperature Brittleness
ASTM D 746, Procedure B
Test Date: 11/10/95

MR#: 1169-01
Job#: A442

MR No.	Roll No.	Product Code	Railcar No.	Specification [°C]	[°F]	Status
1169-01	03035546	VLT40	CCBX58281	-70 °C	-94 °F	PASS
1169-01	03035548	VLT40	CCBX58281	-70 °C	-94 °F	PASS
1169-01	03035550	VLT40	CCBX58281	-70 °C	-94 °F	PASS
1169-01	03035552	VLT40	CCBX58281	-70 °C	-94 °F	PASS
1169-01	03035554	VLT40	CCBX58281	-70 °C	-94 °F	PASS
1169-01	03035557	VLT40	CCBX58281	-70 °C	-94 °F	PASS



GUNDLE

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: JULY 17, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **FEDERAL EXPRESS**

Gundle Lining Construction Corp hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC CERTIFICATES AS PER BILL OF LADING 45357

These are transmitted as noted:

As per project specifications.

Submitted by: Linda Koch

19/7/95

Gundle®

Quality Control Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033208 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	43.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	123	Type IV
Elong. Break %	2ND ROLL	350	703	
Puncture Resistance (lbs)	2ND ROLL	55	105	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033210 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	43.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	131	Type IV
Elong. Break %	2ND ROLL	350	738	
Puncture Resistance (lbs)	2ND ROLL	55	79	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L. SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033211 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	43.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	131	Type IV
Elong. Break %	2ND ROLL	350	738	
Puncture Resistance (lbs)	2ND ROLL	55	79	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033212

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	43.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	744	
Puncture Resistance (lbs)	2ND ROLL	55	119	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033219 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	780	
Puncture Resistance (lbs)	2ND ROLL	55	83	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033221

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	781	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033224 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	733	
Puncture Resistance (lbs)	2ND ROLL	55	86	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033227 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.26	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	145	Type IV
Elong. Break %	2ND ROLL	350	731	
Puncture Resistance (lbs)	2ND ROLL	55	113	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033228

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.916	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	134	Type IV
Elong. Break %	2ND ROLL	350	681	
Puncture Resistance (lbs)	2ND ROLL	55	103	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033215

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	133	Type IV
Elong. Break %	2ND ROLL	350	723	
Puncture Resistance (lbs)	2ND ROLL	55	83	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

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NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033218 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	780	
Puncture Resistance (lbs)	2ND ROLL	55	83	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (212 F, 1 HR)

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Deborah L. Seifert
Commission Expires 02/27/99

DEBORAH L SEIFERT
NOTARY PUBLIC
State of Texas
Comm. Exp. 02-27-99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

GSE LINING TECHNOLOGY INC.

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: AUGUST 11, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **FEDERAL EXPRESS**

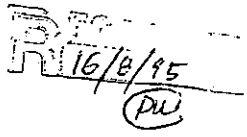
G S E hereby submits the following:

No. of Copies	Description of Items Attached
1	ENVIRONMENTAL STRESS CRACK TEST
1	QA/QC CERTIFICATES AS PER BILL OF LADING 46053

These are transmitted as noted:

As per project specifications.

Submitted by: Linda Koch



Gundle®

Quality Control Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033205 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3 ✓	D 1603 ✓
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29 ✓	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919 ✓	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	139 ✓	Type IV
Elong. Break %	2ND ROLL	350	762 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	111 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30 ✓	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

RECEIVED 1/4/98

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Norma Lee Smith
Commission Expires 01/16/98

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033209 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	123	Type IV
Elong. Break %	2ND ROLL	350	703	
Puncture Resistance (lbs)	2ND ROLL	55	105	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061695
ROLL # : 03033213 ✓

MANF. DATE : 06/16/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	744	
Puncture Resistance (lbs)	2ND ROLL	55	119	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58172
MATERIAL : VLT040A000
BATCH # : 061795
ROLL # : 03033214 ✓

MANF. DATE : 06/17/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	133	Type IV
Elong. Break %	2ND ROLL	350	723	
Puncture Resistance (lbs)	2ND ROLL	55	83	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Cruck hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033285 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	158	Type IV
Elong. Break %	2ND ROLL	350	863	
Puncture Resistance (lbs)	2ND ROLL	55	111	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033286 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	172	Type IV
Elong. Break %	2ND ROLL	350	886	
Puncture Resistance (lbs)	2ND ROLL	55	114	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033287 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	172	Type IV
Elong. Break %	2ND ROLL	350	886	
Puncture Resistance (lbs)	2ND ROLL	55	114	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL #. : 03033288

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.19	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	169	Type IV
Elong. Break %	2ND ROLL	350	815	
Puncture Resistance (lbs)	2ND ROLL	55	136	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033291 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.33	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	162	Type IV
Elong. Break %	2ND ROLL	350	842	
Puncture Resistance (lbs)	2ND ROLL	55	118	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062195
ROLL # : 03033292 ✓

MANF. DATE : 06/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.28	D 1238 E
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 A
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	156	Type IV
Elong. Break %	2ND ROLL	350	830	
Puncture Resistance (lbs)	2ND ROLL	55	126	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004,Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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The State of Texas

Deborah L. Seifert
Commission Expires 02/27/99

CERTIFIED BY:

Thomas P. Moran
Lab Manager

Gundle®

GUNDLE LINING LABORATORY
ENVIRONMENTAL STRESS CRACK TEST
DATE TESTED: 04/28/95 TO 06/30/95
MR#: 1169-01 JOB#: A442

METHOD: ASTM D1693 (10% IGEPAL, 50 DEGREE C)

MR#:	ROLL#	PRODUCT CODE	RAILCAR#	RESIN SUPPLIER	#OF HRS PASSED
1169-01	05030095	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030097	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030099	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030101	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030103	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030107	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030105	VLT40	ACFX37672	UNION CAR.	2472
1169-01	05030109	VLT40	CCBX57426	UNION CAR.	2472
1169-01	05030111	VLT40	CCBX57426	UNION CAR.	2472
1169-01	05030114	VLT40	CCBX57426	UNION CAR.	2472
1169-01	05030116	VLT40	CCBX57426	UNION CAR.	2472
1169-01	05030118	VLT40	CCBX57426	UNION CAR.	2472

CERTIFIED BY: Melody C. Adams LAB MANAGER

Gundle®

GUNDLE LINING LABORATORY
ENVIRONMENTAL STRESS CRACK TEST
DATE TESTED: 04/25/95 TO 06/27/95
MR#: 1169-01 JOB#: A442

METHOD: ASTM D1693 (10% IGEPAL, 50 DEGREE C)

MR#:	ROLL#	PRODUCT CODE	RAILCAR#	RESIN SUPPLIER	#OF HRS PASSED
1169-01	03032048	VLT40	CCBX57426	UNION CAR.	2544
1169-01	03032050	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030042	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030044	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030047	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030049	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030077	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030079	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030081	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030083	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030085	VLT40	CCBX57426	UNION CAR.	2544
1169-01	05030087	VLT40	ACFX37672	UNION CAR.	2544
1169-01	05030089	VLT40	ACFX37672	UNION CAR.	2544
1169-01	05030091	VLT40	ACFX37672	UNION CAR.	2544
1169-01	05030093	VLT40	ACFX37672	UNION CAR.	2544

CERTIFIED BY: Melody A. Adams, LAB MANAGER

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MAY 17, 1995
RAIL CAR # CCBX58172
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.29	0.908
2.	0.26	0.908
3.	0.27	0.907
4.	0.27	0.908
5.	0.26	0.908
6.	0.26	0.908
7.	0.26	0.907
8.	0.25	0.907
AVG	0.27	0.908
STD.	0.011	0.000

HLMI: 17.37

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358160

Blend	Quantity	Container Id	Ship Date
517682	197850	CCBX58292	04/18/95

The following test data was obtained :

Blend : 517682
Sample Id : PE247480
Date of Manufacture : 02/02/95

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	20.5
Density	g/cu cm	.9089

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58292
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.32	0.906
2.	0.34	0.908
3.	0.35	0.906
4.	0.34	0.907
5.	0.32	0.907
6.	0.34	0.907
AVG	0.34	0.907
STD.	0.011	0.001

HLMI: 22.05

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357810

Blend	Quantity	Container Id	Ship Date
517652	193600	CCBX58172	04/12/95

The following test data was obtained :

Blend : 517652
Sample Id : PE242359
Date of Manufacture : 01/22/95

Test Description	Unit	Results
Melt Index	g/10min	.29
Melt Flow Index (190C/21.6kg)	g/10min	17.2
Density	g/cu cm	.9075

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

GSE LINING TECHNOLOGY INC.

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: September 6, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **Regular Mail**

G S E hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC CERTIFICATES AS PER BILL OF LADING 46455

These are transmitted as noted:

As per project specifications.

Submitted by: Connie Enmon
Date: September 6, 1995

GSE™

Quality Control Certificate

RECEIVED 9-14-95

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033246

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	129	Type IV
Elong. Break %	2ND ROLL	350	701	
Puncture Resistance (lbs)	2ND ROLL	55	88	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

RECEIVED 7-14-95

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033247

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.24	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	129	Type IV
Elong. Break %	2ND ROLL	350	701	
Puncture Resistance (lbs)	2ND ROLL	55	88	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
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Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

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Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

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Quality Assurance Certificate

RECEIVED 9-14-95

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033251 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	135	Type IV
Elong. Break %	2ND ROLL	350	693	
Puncture Resistance (lbs)	2ND ROLL	55	100	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
Commission Expires 01/16/98

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NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

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Quality Control Certificate

RECEIVED 9-14-95

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033252

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.25	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	142	Type IV
Elong. Break %	2ND ROLL	350	758	
Puncture Resistance (lbs)	2ND ROLL	55	95	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

GSE™

Quality Control Certificate

RECEIVED 1-14-95

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 061995
ROLL # : 03033261 ✓

MANF. DATE : 06/19/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.27	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	152	Type IV
Elong. Break %	2ND ROLL	350	715	
Puncture Resistance (lbs)	2ND ROLL	55	124	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
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Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

GSE™

N. Brooks
RECEIVED
9-14-95

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033276 ✓

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.925	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157	Type IV
Elong. Break %	2ND ROLL	350	752	
Puncture Resistance (lbs)	2ND ROLL	55	124	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	34	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

RECEIVED 9-14-95

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029768

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	140	Type IV
Elong. Break %	2ND ROLL	350	908	
Puncture Resistance (lbs)	2ND ROLL	55	102	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

N. Brooks Rec'd 9-14-95

RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042195
ROLL # : 05030043 ✓

MANF. DATE : 04/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	172	Type IV
Elong. Break %	2ND ROLL	350	1025	
Puncture Resistance (lbs)	2ND ROLL	55	122	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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The State of Texas

Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

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State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

GSE™

N. Brooks
RECEIVED
1-14-95

Quality Control Certificate

RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042295
ROLL # : 05030048

MANF. DATE : 04/22/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	159	Type IV
Elong. Break %	2ND ROLL	350	921	
Puncture Resistance (lbs)	2ND ROLL	55	93	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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The State of Texas

Norma Lee Smith
Commission Expires 01/16/98

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NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358160

Blend	Quantity	Container Id	Ship Date
517682	197850	CCBX58292	04/18/95

The following test data was obtained :

Blend : 517682
Sample Id : PE247480
Date of Manufacture : 02/02/95

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	20.5
Density	g/cu cm	.9089

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58292
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.32	0.906
2.	0.34	0.908
3.	0.35	0.906
4.	0.34	0.907
5.	0.32	0.907
6.	0.34	0.907
AVG	0.34	0.907
STD.	0.011	0.001

HLMI: 22.05

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

01/30/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S034089-2-7
Internal Order No.: 350066

Blend	Quantity	Container Id	Ship Date
517663	193850	ACFX37672	01/30/95

The following test data was obtained :

Blend : 517663
Sample Id : PE244089
Date of Manufacture : 01/26/95

Test Description	Unit	Results
Melt Index	g/10min	.31
Melt Flow Index (190C/21.6kg)	g/10min	19.3
Density	g/cu cm	.908

Wayne Daggs

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MARCH 15, 1995
RAIL CAR #ACFX37672
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.29	0.908
3.	0.31	0.908
4.	0.30	0.908
5.	0.30	0.908
6.	0.30	0.908
7.	0.31	0.908
8.	0.29	0.908
AVG.	0.30	0.908
STD.	0.006	ERR

HLMI: 19.12

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #: CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

UNION CARBIDE

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

GSE LINING TECHNOLOGY INC.

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: September 8, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **Regular Mail**

G S E hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC CERTIFICATES AS PER BILL OF LADING 46526, 46566

These are transmitted as noted:

As per project specifications.

Submitted by: Connie Enmon
Date: September 8, 1995

RECEIVED
RECEIVED 2/9
DW OK

GSE™

Quality Control Certificate

RAILCAR : CCBX58292
MATERIAL : VLT040A000
BATCH # : 062095
ROLL # : 03033274

MANF. DATE : 06/20/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.5	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.925	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	163	Type IV
Elong. Break %	2ND ROLL	350	725	
Puncture Resistance (lbs)	2ND ROLL	55	112	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	34	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

RAILCAR : ACFX37696
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029746 ✓

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	150	Type IV
Elong. Break %	2ND ROLL	350	922	
Puncture Resistance (lbs)	2ND ROLL	55	103	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
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CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040195
ROLL # : 05029751 ✓

MANF. DATE : 04/01/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	134	Type IV
Elong. Break %	2ND ROLL	350	806	
Puncture Resistance (lbs)	2ND ROLL	55	114	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
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CERTIFIED BY:

Melody A. Adams
Lab Manager

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Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029758

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	126	Type IV
Elong. Break %	2ND ROLL	350	839	
Puncture Resistance (lbs)	2ND ROLL	55	100	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
Commission Expires 01/16/98

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Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029769 ✓

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	844	
Puncture Resistance (lbs)	2ND ROLL	55	106	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029770

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	844	
Puncture Resistance (lbs)	2ND ROLL	55	106	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Control Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029771 ✓

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141	Type IV
Elong. Break %	2ND ROLL	350	897	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

Notary Public In and For
The State of Texas

Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029772 ✓

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	141	Type IV
Elong. Break %	2ND ROLL	350	897	
Puncture Resistance (lbs)	2ND ROLL	55	109	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith

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Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

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Quality Assurance Certificate

RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029774 ✓

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.2	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	151	Type IV
Elong. Break %	2ND ROLL	350	806	
Puncture Resistance (lbs)	2ND ROLL	55	117	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	25	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith

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Comm. Exp. 01-16-98

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Melody A. Adams
Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040495
ROLL # : 05029780 ✓

MANF. DATE : 04/04/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	830	
Puncture Resistance (lbs)	2ND ROLL	55	97	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042495
ROLL # : 05030079 ✓

MANF. DATE : 04/24/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	147	Type IV
Elong. Break %	2ND ROLL	350	819	
Puncture Resistance (lbs)	2ND ROLL	55	108	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	27	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042695
ROLL # : 05030115

MANF. DATE : 04/26/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	894	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
Commission Expires 01/16/98

CERTIFIED BY:

Melody A. Adams
Lab Manager

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358160

Blend	Quantity	Container Id	Ship Date
517682	197850	CCBX58292	04/18/95

The following test data was obtained :

Blend : 517682
Sample Id : PE247480
Date of Manufacture : 02/02/95

Test Description	Unit	Results
Melt Index	g/10min	.34
Melt Flow Index (190C/21.6kg)	g/10min	20.5
Density	g/cu cm	.9089

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58292
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.32	0.906
2.	0.34	0.908
3.	0.35	0.906
4.	0.34	0.907
5.	0.32	0.907
6.	0.34	0.907
AVG	0.34	0.907
STD.	0.011	0.001

HLMI: 22.05

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

01/30/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO34089-2-7
Internal Order No.: 350066

Blend	Quantity	Container Id	Ship Date
517663	193850	ACFX37672	01/30/95

The following test data was obtained :

Blend : 517663
Sample Id : PE244089
Date of Manufacture : 01/26/95

Test Description	Unit	Results
Melt Index	g/10min	.31
Melt Flow Index (190C/21.6kg)	g/10min	19.3
Density	g/cu cm	.908

Wayne Daggs

Wayne Daggs

Quality Assurance Department

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MARCH 15, 1995
RAIL CAR #ACFX37672
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.29	0.908
3.	0.31	0.908
4.	0.30	0.908
5.	0.30	0.908
6.	0.30	0.908
7.	0.31	0.908
8.	0.29	0.908
AVG.	0.30	0.908
STD.	0.006	ERR

HLMI: 19.12

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979
Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040495
ROLL # : 05029787 ✓

MANF. DATE : 04/04/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	42.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.1	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.29	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	160	Type IV
Elong. Break %	2ND ROLL	350	807	
Puncture Resistance (lbs)	2ND ROLL	55	83	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	30	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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QA OK
B/LA 46566

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Norma Lee Smith
Commission Expires 01/16/98

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State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Control Certificate

RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042195
ROLL # : 05030042 ✓

MANF. DATE : 04/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	172	Type IV
Elong. Break %	2ND ROLL	350	1025	
Puncture Resistance (lbs)	2ND ROLL	55	122	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith

Norma Lee Smith
Commission Expires 01/16/98

CERTIFIED BY:

Melody A. Adams

Melody A. Adams
Lab Manager

NORMA LEE SMITH
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State of Texas
Comm. Exp. 01-16-98

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RAILCAR : CCBX57426
MATERIAL : VLT040A000
BATCH # : 042195
ROLL # : 05030047 ✓

MANF. DATE : 04/21/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.7	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	149	Type IV
Elong. Break %	2ND ROLL	350	907	
Puncture Resistance (lbs)	2ND ROLL	55	98	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
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Comm. Exp. 01-16-98

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Melody A. Adams
Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040295
ROLL # : 05029759

MANF. DATE : 04/02/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.919	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148	Type IV
Elong. Break %	2ND ROLL	350	872	
Puncture Resistance (lbs)	2ND ROLL	55	106	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
Commission Expires 01/16/98

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State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

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RAILCAR : ACFX37672
MATERIAL : VLT040A000
BATCH # : 040395
ROLL # : 05029765

MANF. DATE : 04/03/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.3	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.920	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	143	Type IV
Elong. Break %	2ND ROLL	350	823	
Puncture Resistance (lbs)	2ND ROLL	55	104	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
Commission Expires 01/16/98

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

01/30/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO34089-2-7
Internal Order No.: 350066

Blend	Quantity	Container Id	Ship Date
517663	193850	ACFX37672	01/30/95

The following test data was obtained :

Blend : 517663
Sample Id : PE244089
Date of Manufacture : 01/26/95

Test Description	Unit	Results
Melt Index	g/10min	.31
Melt Flow Index (190C/21.6kg)	g/10min	19.3
Density	g/cu cm	.908

Wayne Daggs

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MARCH 15, 1995
RAIL CAR # ACFX37672
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.30	0.908
2.	0.29	0.908
3.	0.31	0.908
4.	0.30	0.908
5.	0.30	0.908
6.	0.30	0.908
7.	0.31	0.908
8.	0.29	0.908
AVG.	0.30	0.908
STD.	0.006	ERR

HLMI: 19.12

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

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Gundle Lining
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Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/13/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357820

Blend	Quantity	Container Id	Ship Date
517681	194150	CCBX57426	04/13/95

The following test data was obtained :

Blend : 517681
Sample Id : PE247339
Date of Manufacture : 02/01/95

Test Description	Unit	Results
Melt Index	g/10min	.33
Melt Flow Index (190C/21.6kg)	g/10min	20.4
Density	g/cu cm	.909

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: APRIL 24, 1995
RAIL CAR #CCBX57426
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.34	0.909
2.	0.31	0.908
3.	0.31	0.908
4.	0.32	0.909
5.	0.32	0.909
6.	0.31	0.907
7.	0.31	0.907
8.	0.30	0.907
AVG.	0.32	0.908
STD.	0.011	0.001

HLMI: 18.91

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DIMENSIONAL STABILITY
MR#: 1169-01 JOB#: A442
DATE: 10/11/95

SUBJECT: A 6 X 6 inch square was taken from each line for testing dimensional stability at 212 degrees F for one hour according to ASTM D1204. The results are as follows

JOB RAN	ROLL#:	RAIL CAR#	PRODUCT CODE	Measurements Before Heating (inches)	Measurements After Heating (inches)	CHANGES RECORDED	
1169-01	03035546	CCBX58281	VLT 40	MD 6.003 TD: 6.007	MD 5.968 TD: 5.996	-0.58 %	-0.18 %
1169-01	03035546	CCBX58281	VLT 40	MD 6.008 TD: 6.008	MD 5.974 TD: 5.998	-0.57 %	-0.17 %
1169-01	03035548	CCBX58281	VLT 40	MD 6.005 TD: 6.006	MD 5.966 TD: 5.997	-0.65 %	-0.15 %
1169-01	03035548	CCBX58281	VLT 40	MD 6.008 TD: 6.003	MD 5.971 TD: 5.993	-0.62 %	-0.17 %
1169-01	03035550	CCBX58281	VLT 40	MD 6.002 TD: 6.004	MD 5.965 TD: 5.996	-0.62 %	-0.13 %
1169-01	03035550	CCBX58281	VLT 40	MD 6.008 TD: 6.003	MD 5.971 TD: 5.995	-0.62 %	-0.13 %
1169-01	03035552	CCBX58281	VLT 40	MD 6.006 TD: 6.003	MD 5.967 TD: 5.994	-0.65 %	-0.15 %
1169-01	03035552	CCBX58281	VLT 40	MD 6.006 TD: 6.007	MD 5.996 TD: 5.996	-0.17 %	-0.18 %
1169-01	03035557	CCBX58281	VLT 40	MD 6.001 TD: 6.007	MD 5.962 TD: 5.998	-0.65 %	-0.15 %
1169-01	03035557	CCBX58281	VLT 40	MD 6.007 TD: 6.006	MD 5.964 TD: 5.995	-0.72 %	-0.18 %
1169-01	03035554	CCBX58281	VLT 40	MD 6.001 TD: 6.002	MD 5.958 TD: 5.994	-0.72 %	-0.13 %
1169-01	03035554	CCBX58281	VLT 40	MD 6.004 TD: 5.903	MD 5.962 TD: 5.896	-0.70 %	-0.12 %

CERTIFIED BY: _____ LAB MANAGER

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Quality Control Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035546 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min ✓	40.0	D 751 NSF MOD. 40
Carbon Black (%)	1/SHIFT	2.0 to 3.0 ✓	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1 ✓	A-1	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max.	0.31	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.930 0.929 max	0.918	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80 ✓	148	Type IV
Elong. Break %	2ND ROLL	350 ✓	871	
Puncture Resistance (lbs)	2ND ROLL	55 ✓	93	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18 ✓	24	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Norma Lee Smith
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CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Assurance Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035547 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	148 ✓	Type IV
Elong. Break %	2ND ROLL	350	871 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	93 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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CERTIFIED BY:

Melody A. Adams
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035548 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157 ✓	Type IV
Elong. Break %	2ND ROLL	350	906 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	112 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	23 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Melody A. Adams
Lab Manager

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RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035549 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	157 ✓	Type IV
Elong. Break %	2ND ROLL	350	906 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	112 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	23 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Melody A. Adams
Lab Manager

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RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035550 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	147 ✓	Type IV
Elong. Break %	2ND ROLL	350	877 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	106 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Melody A. Adams
Lab Manager

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RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035551 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.31 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.918 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	147 ✓	Type IV
Elong. Break %	2ND ROLL	350	877 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	106 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	24 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Melody A. Adams
Lab Manager

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RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035552 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	146 ✓	Type IV
Elong. Break %	2ND ROLL	350	879 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	112 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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CERTIFIED BY:

Melody A. Adams
Lab Manager

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Quality Assurance Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035553 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	146 ✓	Type IV
Elong. Break %	2ND ROLL	350	879 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	112 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	26 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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Melody A. Adams
Lab Manager

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RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035554 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	174 ✓	Type IV
Elong. Break %	2ND ROLL	350	871 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	113 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	29 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693. NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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CERTIFIED BY:

Melody A. Adams
Lab Manager

GSE™

Quality Control Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035555 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	160 ✓	Type IV
Elong. Break %	2ND ROLL	350	924 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	112 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	31 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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CERTIFIED BY:

Melody A. Adams
Lab Manager

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Quality Control Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035557 ✓

MANF. DATE : 10/09/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-01 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	TYPICAL SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	40.0 ✓	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4 ✓	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1 ✓	D 3015
Melt Index (g/10 min)	1/SHIFT	0.60 max	0.30 ✓	D 1238 (METH.E)
Density (g/cm3)	1/SHIFT	0.929 max	0.917 ✓	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	80	156 ✓	Type IV
Elong. Break %	2ND ROLL	350	848 ✓	
Puncture Resistance (lbs)	2ND ROLL	55	100 ✓	FTMS 101B, METH 2065
Tear Resistance (lbs)	2ND ROLL	18	28 ✓	D 1004, Die C
Low Temp.Brittleness degF	40000SF	-94 max	Pending	D 746, B
Environ.Stress Crack hrs	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 NSF MOD.

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The State of Texas

Norma Lee Smith

Commission Expires: 01/16/98

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NOTARY PUBLIC
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Comm. Exp. 01-16-98

CERTIFIED BY:

Melody A. Adams
Lab Manager

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979
Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/18/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: SO40771
Internal Order No.: 358159

Blend	Quantity	Container Id	Ship Date
517678	197700	CCBX58281	04/18/95

The following test data was obtained :

Blend : 517678
Sample Id : PE246800
Date of Manufacture : 01/31/95

Test Description	Unit	Results
Melt Index	g/10min	.34 ✓
Melt Flow Index (190C/21.6kg)	g/10min	20.9
Density	g/cu cm	.9083 ✓

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

RECEIVED 7 NOV 95

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GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58281
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.33 ✓	0.908 ✓
2.	0.32 ✓	0.908 ✓
3.	0.33 ✓	0.907 ✓
4.	0.33 ✓	0.908 ✓
5.	0.33 ✓	0.909 ✓
6.	0.33 ✓	0.908 ✓
7.	0.33 ✓	0.908 ✓
8.	0.32 ✓	0.909 ✓
AVG	0.33	0.908
STD.	0.004	0.001

HLMI: 14.88

RECEIVED 7 NOV 95

DDW OK

GSE LINING TECHNOLOGY INC.

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: November 10, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE

FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **Regular Mail**

G S E hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC Certificates as per Bill of Lading No.: 47657

These are transmitted as noted:

As per project specifications.

RECEIVED 18 NOV 95 DLD

Submitted by: Connie Enmon

GSE LABORATORY
WELDING ROD

DATE TEST: SEPTEMBER 14, 1995
BATCH NO#: 091495
RAILCAR NO#: CCBX 57578

MELT INDEX ASTM D1238, E (G/10MIN)	DENSITY ASTM D1505 (G/CC)	CARBON BLACK ASTM D1603 (%)
TEST RESULT	TEST RESULT	TEST RESULT
0.31	0.921	2.5

GUNDLE LABORATORY
WELDING ROD

DATE TEST: SEPTEMBER 13, 1995
BATCH NO#: 091395
RAILCAR NO#: CCBX 57578

MELT INDEX ASTM D1238, E (G/10MIN)	DENSITY ASTM D1505 (G/CC)	CARBON BLACK ASTM D1603 (%)
TEST RESULT	TEST RESULT	TEST RESULT
0.33	0.921	2.3

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: O. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357811

Blend	Quantity	Container Id	Ship Date
517654	193600	CC8X57578	04/12/95

The following test data was obtained :

Blend : 517654
Sample Id : PE242510
Date of Manufacture : 01/22/95

Test Description	Unit	Results
Melt Index	g/10min	.35
Melt Flow Index (190C/21.6kg)	g/10min	21.36
Density	g/cu cm	.9088

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

Gundle®

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: MAY 17, 1995
RAIL CAR # CCBX57578
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.31	0.917
2.	0.33	0.918
3.	0.33	0.918
4.	0.31	0.917
5.	0.32	0.918
6.	0.34	0.919
7.	0.34	0.919
8.	0.31	0.917
AVG	0.32	0.918
STD.	0.011	0.001

HLMI: 19.40

GSE™

Quality Assurance Certificate

RAILCAR : CCBX58281
MATERIAL : VLT040A000
BATCH # : 100995
ROLL # : 03035558

MANF. DATE : 10/09/1995
PROJECT NAME : BROOKHAVEN CELL 5 E
MR NUMBER : 1298-01 PROJECT # : A1101
LOCATION : PATCHOUGE NY 001

TEST PARAMETER	TESTING FREQUENCY	REQUIRED SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	40.0 min	41.0	D 751 NSF MOD.
Carbon Black (%)	1/SHIFT	2.0 to 3.0	2.4	D 1603
Carbon Black Dispersion	1/SHIFT	A-1/A-2/B-1	A-1	D 3015
Density (g/cm3)	1/SHIFT	0.935 max	0.917	D 1505 (METH.A)
Tensile Properties:				
T.S. Break (ppi)	2ND ROLL	55 min	156	Type IV
Elong. Break %	2ND ROLL	300 min	848	2 ipm
Tear Resistance (lbs)	2ND ROLL	16 min	28	D 1004, Die C
Low Temp Brittleness degF	CERTIFIED	-76 min		D 746, B
Water Vapor TR g/m2/day	CERTIFIED	0.100 max		E 96, B
Dimensional Stability (%)	CERTIFIED	-3 to 3		D 1204 (212F, 1 HR)

RECEIVED 6/12 tw OK

CERTIFIED BY:

Melody A. Adams
Lab Manager

Gundle

GUNDLE LABORATORY
MELT INDEX / DENSITY

DATE TEST: JUNE 20, 1995
RAIL CAR # CCBX58281
PRODUCT CODE: DFDG1506NT
MANUFACTURER: UNION CARBIDE

	MELT INDEX ASTM D1238,E (G/10MIN.) TEST RESULTS	DENSITY ASTM D1505 (G/CC) TEST RESULTS
1.	0.33	0.908
2.	0.32	0.908
3.	0.33	0.907
4.	0.33	0.908
5.	0.33	0.909
6.	0.33	0.908
7.	0.33	0.908
8.	0.32	0.909
AVG	0.33	0.908
STD.	0.004	0.001

HLMI: 14.88

RECEIVED
6/12
RJ

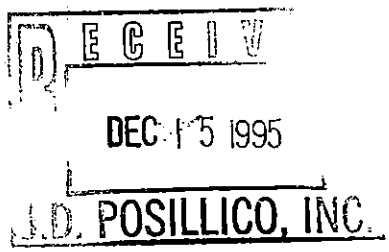
GSE LINING TECHNOLOGY INC.

19103 Gundle Road
Houston, TX 77073-3598
U.S.A.

Phone: (713) 443-8564
Toll Free: (800) 435-2008
Telex: 166657 GUNDLE HOU
FAX: (713) 875-6010

LETTER OF TRANSMITTAL

DATE: December 12, 1995
JOB NO.: A442
JOB NAME: HUNTINGTON CLOSURE



FRED LUCHER
POSILLICO, J. D., INC.
1610 NEW HIGHWAY
EAST FARMINGDALE, NY 11735
516-249-1872

TRANSMITTED VIA: **Regular Mail**

G S E hereby submits the following:

No. of Copies	Description of Items Attached
1	QA/QC Certificates as per Bill of Lading No.: 48181

These are transmitted as noted:

As per project specifications.

Submitted by: Connie Enmon

Gundle Lining Systems Inc

Gundle®

Shipping Order - Packing List - Original - Not Negotiable

SHIPPERS NO. 48181

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Order Form.

at HOUSTON, TEXAS

From Gundle Lining Systems Inc

Received at Houston, Texas from Gundle Lining Systems, Inc. the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which sa Carrier (the word "Carrier" being understood through out this Shipping Order as meaning the person or corporation in possession of the property) agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrie of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to either: (a) if the Shipper noted herein is Gundl Systems, Inc., as indicated by the designation of the "Shipper" to be Gundle Lining Systems, Inc., then the Shipper and Carrier are subject to the terms and conditions contained in the Contract for Truck Transportation existing between the parties (b) if the Shipper noted herein is not Gundle Lining Systems, Inc., then Gundle Lining Systems, Inc. is acting solely as the agent for the denoted Shipper, and thus every aspect of the service to be performed hereunder between the Shipper and th carrier shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifications in effect on the date hereof, if this is a rail-water shipment, or (2) in th applicable motor carrier classification or tariff if this is a motor carrier shipment. When acting in the capacity of an agent for a Shipper in placing the material in transit on behalf of a Shipper, Gundle Lining Systems, Inc. accepts no liability for loss cargo, damage to containers, or any other consequences occurring during transportation, Carrier having agreed that the transportation arrangement was initiated by the Shipper and not by Gundle Lining Systems, Inc.

Subject to the above terms and conditions as to which party is the Shipper, Shipper hereby certifies that he is familiar with the terms and conditions that govern the transportation of this shipment, and the said terms and conditions ar hereby agreed and accepted for himself and his assigns.

External Ref. TOWN OF HUNTINGTON LANDFILL
JOE SEPLAUY

Consigned to TOWN LINE ROAD

Destination EAST NORTHPORT

Date Shipped DECEMBER 06, 1995

Customer P.O. # CONTRACT

State NY 11731

Comments from M.R.

CONTACT: JOE SEPLAVY 516-261-2022
DIRECTIONS: FROM NEW YORK CITY, 495 EAST TO EXIT #52. TURN LEFT ON COMMACK ROAD AND HEAD NORTH. CROSS RT. 25. COMMACK ROAD BECOMES TOWN LINE ROAD. PROCEED FOR 3.25 MILES AND LANDFILL IS ON THE LEFT.
DRIVER MUST CALL 24 HOURS PRIOR TO DELIVERY

No. Packages	Roll #	Length	Kind of Package, Description of Articles, Special Marks, and Exceptions
1	03034988	600	040 VLD TEXT 040 MIL,AVG,BLK,2

#2666

B. Dat

Internal Ref.

Material Req. # 169-04

Job # 8442

Shippers # 48181

Bus/Market Seg. Code 102

Terms: Prepaid/Collect
PREPAID

Load Verification
SIGNED

X

Truck/Container #

Seal #

Total Square Ft. 17,500

Total Weight

Carrier Ref.

CARRIER NAME: J.E. SMITH TRANSPORTATION

CARRIER SIGNATURE:

DATE: 12-6-95

Truckers P.O. # 07196780

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Sign Here For Shipper

Shipper: _____

Address: 19103 GUNDLE ROAD
HOUSTON, TX 77073

Sign Here For Agent Of Shipper

Agent for Shipper: _____
(GUNDLE LINING SYSTEMS, INC.
APPROVED AGENT FOR SHIPPER)
CONSIGNEE

GSE™

Quality Control Certificate

RAILCAR : CCBX57578
MATERIAL : VLT040A000
BATCH # : 091395
ROLL # : 03034988 ✓

MANF. DATE : 09/13/1995
PROJECT NAME : HUNTINGTON CLOSURE
MR NUMBER : 1169-04 PROJECT # : A442
LOCATION : EAST FARMINGDALE NY 001

TEST PARAMETER	TESTING FREQUENCY	REQUIRED SPECIFICATIONS	TEST RESULTS	ASTM METHOD
Average Thickness (mils)	EVERY ROLL	36.0 to 46.0	40.0	D 751 NSF Mod.
Carbon Black (%)	5TH ROLL	2.0 to 3.0	2.6	D 1603
Carbon Black Dispersion	5TH ROLL	A-1/A-2/B-1	A-1	D 3015
Density (g/cc)	5TH ROLL	0.930 max	0.920	D 1505 (Meth.A)
Tensile Properties:				
T.S. @ Break (ppi)	EVERY ROLL	80 min	154	D 638 Type IV
Elong. @ Break (%)	EVERY ROLL	350 min	776	2 ipm
Puncture Resistance (lb.)	EVERY ROLL	55 min	106	FTMS 101, Meth. 2065
Tear Resistance (lb.)	EVERY ROLL	18 min	26	D 1004, Die C
Low Temp Brittleness degF	40000SF	-94 min	Pending	D 746, B
ESCR (hrs)	40000SF	2000 min	Pending	D 1693 NSF MOD.
Dimensional Stability (%)	40000SF	-3 to 3	Pending	D 1204 (1 hr, 100C)

RECEIVED
18 DEC 95
DDW OK

Norma Lee Smith

NORMA LEE SMITH
NOTARY PUBLIC
State of Texas
Comm. Exp. 01-16-98

APPROVED
#22
12/7/95
QA

UNION CARBIDE CORPORATION
P.O. Box 186, Port Lavaca, TX 77979

Fax: 443-4627

Gundle Lining
19103 Gundle Road
Houston, TX 77073
Attn: D. Bohac

PRODUCT QUALITY REPORT

04/12/95

Product Name: DFDG-1506 NT

Shipped To: Gundle Lining Systems Inc.
Track ZTS No. 1743-00
Westfield, TX 77073

Customer Order No.: S039551
Internal Order No.: 357811

Blend	Quantity	Container Id	Ship Date
517654	193600	CCBX57578	04/12/95

The following test data was obtained :

Blend : 517654
Sample Id : PE242510
Date of Manufacture : 01/22/95

Test Description	Unit	Results
Melt Index	g/10min	.35
Melt Flow Index (190C/21.6kg)	g/10min	21.36
Density	g/cu cm	.9088

18 DEC 95
DDW ok

Wayne Daggs, Lab Supervisor

Wayne Daggs

Quality Assurance Department

SUB APPENDIX N–3

GEOGRID

UNIAXIAL GEOGRID UX1500HS

The geogrid shall be a regular grid structure formed by uniaxially drawing a continuous sheet of select high density polyethylene material and shall have aperture geometry and rib and junction cross-sections sufficient to permit significant mechanical interlock with the material being reinforced. The geogrid shall have high flexural rigidity and high tensile modulus in relation to the material being reinforced and shall also have high continuity of tensile strength through all ribs and junctions of the grid structure. The geogrid shall have high resistance to deformation under sustained long term design load while in service and shall also be resistant to ultraviolet degradation, to damage under normal construction practices and to all forms of biological or chemical degradation normally encountered in the material being reinforced.

The geogrid shall also conform in all respects to the property requirements listed below.

PROPERTY	TEST METHOD	UNITS	VALUE
Interlock			
• open area	COE Method[1]	%	68 (nom)
Reinforcement			
• creep limited strength[6]	GRI GG3-87[2] or (ASTM D5262)	lb/ft	
at 5% strain			1,760 (min)
at 10% strain			2,950 (min)
• flexural rigidity	ASTM D1388-64[3]	mg-cm	5,100,000 (min)
• tensile strength			
at 2% strain	GRI GG1-87	lb/ft	2,000 (min)
• tensile modulus-MD	GRI GG1-87[4]	lb/ft	100,000 (min)
• junctions	GRI GG2-87[5]		
- strength		lb/ft	5,900 (min)
- efficiency		%	90 (min)
Material			
• high density polyethylene	ASTM D 1248 Type III/Class A/Grade 5	%	97 (min)
• carbon black	ASTM 4218	%	2.0 (min)
Dimensions			
• roll length		ft	200
• roll width		ft	4.3
• roll weight		lb	98

Notes:

1. Percent open area measured without magnification by Corps of Engineers Method as specified in CWO2215 Civil Works Construction Guide, November 1977.
2. Long term load capacity measured by through the junction tensile creep testing to 10,000 hours as described in Geosynthetic Research Institute test method GG3-87 "Creep Behavior and Long Term Design Load of Geogrids".
3. ASTM D 1388-64 modified to account for wide specimen testing as described in Tensar test method TTM-5.0 "Stiffness of Geosynthetics".
4. Secant modulus at 2% elongation measured by Geosynthetic Research Institute test method GG1-87 "Geogrid Tensile Strength". No offset allowances are made in calculating secant modulus.
5. Geogrid junction strength and junction efficiency measured by Geosynthetic Research Institute test method GG2-87 "Geogrid Junction Strength".
6. The long-term allowable design strength (LTADS) is determined using the method outlined in GRI-GG4 "Determination of the Long Term Design Strength of Stiff Geogrids." The GRI-GG4 method applies various partial factors of safety to account for construction damage, junction strength, connections, chemical and biological degradation.

The Tensar Corporation
1210 Citizens Parkway
Morrow, GA 30260
1-800-845-4453

UNIAXIAL GEOGRID UX1700HS

The geogrid shall be a regular grid structure formed by uniaxially drawing a continuous sheet of select high density polyethylene material and shall have aperture geometry and rib and junction cross-sections sufficient to permit significant mechanical interlock with the material being reinforced. The geogrid shall have high flexural rigidity and high tensile modulus in relation to the material being reinforced and shall also have high continuity of tensile strength through all ribs and junctions of the grid structure. The geogrid shall have high resistance to deformation under sustained long term design load while in service and shall also be resistant to ultraviolet degradation, to damage under normal construction practices and to all forms of biological or chemical degradation normally encountered in the material being reinforced.

The geogrid shall also conform in all respects to the property requirements listed below.

PROPERTY	TEST METHOD	UNITS	VALUE
Interlock			
• open area	COE Method[1]	%	68 (nom)
Reinforcement			
• creep limited strength[6]	GRI GG3-87[2] or (ASTM D5262)	lb/ft	
at 5% strain			2,860 (min)
at 10% strain			4,750 (min)
• flexural rigidity	ASTM D1388-64[3]	mg-cm	9,075,000 (min)
• tensile strength			
at 2% strain	GRI GG1-87	lb/ft	3,000 (min)
• tensile modulus - MD	GRI GG1-87[4]	lb/ft	150,000 (min)
• junctions	GRI GG2-87[5]		
- strength		lb/ft	9,650 (min)
- efficiency		%	90 (min)
Material			
• high density polyethylene	ASTM D 1248 Type III/Class A/Grade 5	%	97 (min)
• carbon black	ASTM 4218	%	2.0 (min)
Dimensions			
• roll length		ft	200
• roll width		ft	4.3
• roll weight		lb	188

Notes:

1. Percent open area measured without magnification by Corps of Engineers Method as specified in CW 02215 Civil Works Construction Guide, November 1977.
2. Long term load capacity measured by through the junction tensile creep testing to 10,000 hours as described in Geosynthetic Research Institute test method GG3-87 "Creep Behavior and Long Term Design Load of Geogrids".
3. ASTM D 1388-64 modified to account for wide specimen testing as described in Tensar test method TTM-5.0 "Stiffness of Geosynthetics".
4. Secant modulus at 2% elongation measured by Geosynthetic Research Institute test method GG1-87 "Geogrid Tensile Strength". No offset allowances are made in calculating secant modulus.
5. Geogrid junction strength and junction efficiency measured by Geosynthetic Research Institute test method GG2-87 "Geogrid Junction Strength".
6. The long-term allowable design strength (LTADS) is determined using the method outlined in GRI-GG4 "Determination of the Long Term Design Strength of Stiff Geogrids." The GRI-GG4 method applies various partial factors of safety to account for construction damage, junction strength, connections, chemical and biological degradation.

The Tensar Corporation
1210 Citizens Parkway
Morrow, GA 30260
1-800-845-4453

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18371

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX1500MS geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4202	87	104,736	7574.2	2.60
1-4267	45	109,329	7841.5	2.30
2-6[illegible]	12	105,628	7478.2	2.90

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 05, 1995

J. D. PHILLIPS, INC
3110 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18972

SOLD TO: J.D. PHILLIPS, INC
1110 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ALWASTE DISTRIBUTION SYS
1140 CURTIS RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX1500MS geogrid as manufactured by the Tensar corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILE (lb/ft)	% CR
1-4229	6	101,104	7711.3	2.40
1-4247	12	108,643	8143.1	2.10
1-4258	4	106,930	7354.9	2.70
1-4259	1	104,344	7299.0	2.40
1-4259	5	102,132	7376.4	2.40
1-4262	7	104,736	7574.2	2.60
1-4265	18	105,902	7779.8	3.00
1-4266	12	103,503	7821.8	3.60
1-4267	8	109,329	7841.5	2.30
2-6001	6	104,325	7683.9	2.60
2-6005	54	105,028	7478.2	2.90
2-6006	6	100,487	7341.1	2.40
2-6010	9	108,164	7834.7	2.50

Sincerely,

Ron Humpolick,
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18314

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4225	1	102,543	7498.8	2.80
1-4226	6	101,104	7711.3	2.40
1-4227	6	108,643	8143.1	2.10
1-4228	3	106,930	7354.9	2.70
1-4229	39	105,216	7539.9	2.10
1-4231	35	101,446	7587.9	2.70
1-4264	8	106,587	7711.3	2.50
1-4265	19	105,902	7779.8	3.00
1-4266	10	103,503	7827.8	3.00
2-6010	17	108,164	7834.7	2.50

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. POSILLICO, INC.
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400980
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18778

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX1500MS geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4230	24	104,394	7396.6	2.49
1-4255	12	102,132	7375.4	2.49

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18278

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX170045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CV
1-4232	13	181,232	11919.9	2.60
1-4233	4	162,451	11610.3	3.89
1-4235	16	191,377	12783.6	2.70
1-4236	15	169,648	12015.9	2.60
1-4237	16	179,862	12539.0	2.50

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 17570

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4226	48	101,104	7711.3	2.40
1-4227	38	108,643	8143.1	2.10
1-4228	16	106,930	7354.9	2.70
1-4229	42	105,216	7539.9	2.10

Sincerely,

Ron Humphlick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18283

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4225	12	102,543	7498.8	2.80
1-4230	12	104,394	7396.0	2.40
1-4251	18	101,446	7437.1	2.70
1-4255	60	102,132	7375.4	2.40
2-6001	18	104,325	7683.9	2.60
2-6002	12	100,692	7697.6	3.10

Sincerely,

Jon Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18295

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4225	4	102,543	7496.8	2.80
1-4231	2	101,446	7587.9	2.70
1-4251	71	101,446	7437.1	2.70
1-4255	6	102,132	7375.4	2.40
2-6001	12	104,325	7683.9	2.60
2-6002	25	100,692	7697.5	3.10
2-6006	12	100,487	7341.1	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18316

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4225	12	102,543	7498.8	2.80
1-4230	36	104,394	7396.0	2.40
1-4231	6	101,446	7587.9	2.70
1-4256	48	106,519	7704.4	2.50
2-6002	6	100,692	7695.6	2.10
2-6006	36	100,487	7341.1	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18318

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CE
1-4256	4	106,519	7704.4	2.50
1-4257	31	107,067	7450.8	2.70
1-4258	17	107,684	7519.4	2.70
1-4263	12	104,531	7964.9	2.60
1-4266	24	103,503	7827.8	3.00
2-5001	6	104,325	7683.9	2.60
2-5007	50	100,075	7738.7	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18321

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4257	6	107,067	7450.8	2.70
1-4264	18	106,587	7711.3	2.50
1-4265	18	105,902	7779.8	3.00
1-4266	42	103,502	7827.8	3.00
1-4267	36	109,329	7841.5	2.30
2-6005	6	105,628	7478.2	2.90
2-6010	18	108,164	7834.7	2.50

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18328

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILE (lb/ft)	% CR
1-4225	12	102,543	7498.8	2.80
1-4257	12	107,067	7490.8	2.70
1-4263	66	104,531	7964.9	2.60
1-4264	3	106,587	7711.3	2.50
1-4265	15	105,902	7779.8	3.00
2-6006	18	100,65[illegible]	7341.1	2.40
2-6007	18	100,07[illegible]	7738.7	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 6, 19[illegible]

J.D. POMILLIO, JR.
1010 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: [illegible]
PURCHASE ORDER NUMBER: [illegible]
BILL OF LADING NUMBER: [illegible]

SOLD TO: J.D. POMILLIO, JR.
1010 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ALWAYS DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX1500MS geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILE (lb/ft)	% CR
1-4226	5	1[illegible]	[illegible]11.3	2.4[illegible]
1-4231	1	1[illegible]	[illegible]87.9	2.[illegible]
1-4257	1	1[illegible]	[illegible]80.3	2.[illegible]
2-6001	6	1[illegible]	[illegible]68[illegible].9	2.[illegible]
2-6006	2	1[illegible]	[illegible]41.1	[illegible].4[illegible]
2-6007	3	1[illegible]	[illegible]38.[illegible]	2.4[illegible]

Sincerely,

Ron Humplick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. MACLLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 17569

SOLD TO: J.D. MACLLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX1500MS geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILE (lb/ft)	X CD
1-4226	19	101,1[illegible]	7711.3	2.40
1-4233	24	10[illegible],930	7394.9	2.70
1-4244	5	105,21[illegible]	7539.9	2.10
1-4231	10	101,446	7582.9	2.70

Sincerely,

Ron Humpolick
Manager of Continuous Improvement and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. RUSSILLO, INC
1010 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 409960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18315

SOLD TO: J.D. RUSSILLO, INC
1010 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1148 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX1500MS geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILE (lb/ft)	% CR
1-4256	20	1[illegible],519	7704.4	2.50
1-4259	88	1[illegible],559	7430.3	2.50
2-6001	30	104,335	7083.9	2.50
2-6006	6	1[illegible],487	7341.1	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 17570

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4226	48	101,104	7711.3	2.40
1-4227	38	108,643	8143.1	2.10
1-4228	16	106,930	7354.9	2.70
1-4229	42	105,216	7539.9	2.10

Sincerely,

Bob Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright

Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. BOSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 17569

SOLD TO: J.D. BOSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4226	18	101,104	7711.3	2.40
1-4228	24	106,930	7354.9	2.70
1-4229	8	105,216	7539.9	2.10
1-4231	10	101,446	7587.9	2.70

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18372

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4226	6	101,104	7711.3	2.80
1-4227	12	108,643	8143.1	2.10
1-4228	4	106,930	7354.9	2.70
1-4230	1	104,394	7396.0	2.40
1-4255	5	102,132	7375.4	2.40
1-4262	7	104,736	7574.2	2.60
1-4265	18	105,902	7779.8	3.00
1-4266	12	103,503	7827.8	3.00
1-4267	3	109,329	7841.5	2.30
2-6001	6	104,325	7683.9	2.60
2-6005	54	105,628	7478.2	2.90
2-6006	6	100,487	7341.1	2.40
2-6010	9	108,164	7834.7	2.50

Sincerely,

Ron Humplick
Manager of Continuous Improvement
and Quality Control

Notary Public, Clayton County, Georgia

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18283

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4225	12	102,543	7498.8	2.80
1-4230	12	104,394	7396.0	2.40
1-4251	18	101,446	7437.1	2.70
1-4255	60	102,132	7375.4	2.40
2-6001	18	104,325	7683.9	2.60
2-6002	12	100,692	7697.6	3.10

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18321

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4257	6	107,067	7450.8	2.70
1-4264	18	106,587	7711.3	2.50
1-4265	18	105,902	7779.8	3.00
1-4266	42	103,503	7827.8	3.00
1-4267	36	109,329	7841.5	2.30
2-6005	6	105,628	7478.2	2.90
2-6010	18	108,164	7834.7	2.50

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

Tensar®

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18315

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4256	20	106,519	7704.4	2.50
1-4259	88	105,559	7430.3	2.50
2-6001	30	104,325	7683.9	2.60
2-6006	6	100,487	7341.1	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright

Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18318

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4256	4	106,519	7704.4	2.50
1-4257	31	107,067	7450.8	2.70
1-4258	17	107,684	7519.4	2.70
1-4263	12	104,531	7964.9	2.60
1-4266	24	103,503	7827.8	3.00
2-6001	6	104,325	7683.9	2.60
2-6007	50	100,075	7738.7	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright

Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18314

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4225	1	102,543	7498.8	2.80
1-4226	6	101,104	7711.3	2.40
1-4227	6	108,643	8143.1	2.10
1-4228	3	106,930	7354.9	2.70
1-4229	39	105,216	7539.9	2.10
1-4231	35	101,446	7587.9	2.70
1-4264	8	106,587	7711.3	2.50
1-4265	19	105,902	7779.8	3.00
1-4266	10	103,503	7827.8	3.00
2-6010	17	108,164	7834.7	2.50

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 04, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18316

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CR
1-4225	12	102,543	7498.8	2.80
1-4230	36	104,394	7396.0	2.40
1-4231	6	101,446	7587.9	2.70
1-4256	48	106,519	7704.4	2.50
2-6002	6	100,692	7697.6	3.10
2-6006	36	100,487	7341.1	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18278

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX150045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4230	24	104,394	7396.0	2.40
1-4255	12	102,132	7375.4	2.40

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

The Tensar Corporation

1210 Citizens Parkway
Morrow, Georgia 30260
(404) 968-3255

JANUARY 03, 1995

J.D. POSILLICO, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

REFERENCE: TENSAR ORDER NUMBER: 400960
PURCHASE ORDER NUMBER: 7194
BILL OF LADING NUMBER: 18278

SOLD TO: J.D. POSILLICO, INC
1610 NEW HIGHWAY

FARMINGDALE, NY 11735

SHIP TO: ADVANCE DISTRIBUTION SYS
1140 COMMERCE RD
REF: HUNTINGTON LANDFILL

MORROW, GA 30260

This is to certify that TENSAR UX170045 geogrid as manufactured by the Tensar Corporation, meets the characteristics and properties per the attached specification sheet. Actual lot number(s) shipped are as indicated:

LOT NUMBER	NO. ROLLS	TENSILE MODULUS (lb/ft)	ULTIMATE TENSILES (lb/ft)	% CB
1-4232	13	181,232	11919.9	2.60
1-4233	4	162,451	11810.3	2.80
1-4235	16	191,377	12783.6	2.70
1-4236	15	169,648	12015.9	2.60
1-4237	16	179,862	12530.0	2.50

Sincerely,

Ron Humpolick
Manager of Continuous Improvement
and Quality Control

Bill Wright
Notary Public, Clayton County, Georgia
My Commission Expires May 10, 1998

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☑ DATE: 10 day July month 95 year

PRODUCT TYPE: AK20 NOBEL ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50618906	10/7		DEPLOYED OVER 40MIL VLT. (PANEL #82-44)	6	320	DW
	50620909				"	"	"
	50620904				"	"	"
	50620908				"	"	"
	50620907				"	"	"
	50621907				"	"	"
	50620905				"	"	"
	50620914				6	320	"
	50620913				"	"	"
	50620910				"	"	"
	50621909				"	"	"
	50621917				"	"	"
	50618919				"	"	"
	50618916				"	"	"
	50618912	10/7			6	320	DW
15	50619907				"	"	"
17	50618917	10/7			6	320	DW
	50609920	11/7		OVER PANEL #77-#44	6'	320	DW
	50609921				"	"	"
	50612903				"	"	"
	50609913				"	"	"
	50609907				"	"	"
	50609906				"	"	"
7	50609914	11/7			6'	320	DW
				TOTALS:(1)			

24 ROLL = 46,080

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 46,080 ✓ (ft^2) ACCUMULATED: 94,080 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

DRAINAGE OTHER: ☒ PRODUCT TYPE: AK20 NOBLE ENKANET

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50702914	15/7		OVER PANEL #44-40 NORTH WEST CORNER	6	320	DW
	5070 3902	15/7			6	320	DW
	5070 3708	15/7			6	320	DW
	5070 0914	15/7			6	320	DW
	5070 8902	15/7			6	320	DW
6	5070 0909	15/7			6	320	DW
	6 Roll = 11,520 S.F. TOTAL 147,840 SQ.FT.						
	5						
				TOTALS:(1)			

94080

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 11,520 ✓ (ft^2) ACCUMULATED: 105,600 ✓ (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE

DATE: 19 day 7 month 95 year

OTHER: ☒ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50613921	19/7		BETWEEN 6B-5	6	320	KFD
	50615912	19/7					KFD
	50614905	19/7					KFD
	50610915 KFD	19/7					KFD
	50611913	19/7					KFD
	50615919	19/7					KFD
	50613903	19/7					KFD
	50614901	19/7					KFD
	50614911	19/7		BETWEEN 6B-5	17,280 ft²		KFD
				TOTALS:(1)			

105,600

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 17,280 ✓ (ft²) ACCUMULATED: 122,880 ✓ (ft²)

NOTES:

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GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE - DRAINAGE

DATE: 20 day 7 month 95 year

OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50621912	20/7		BETWEEN 6B-5	6	320	KFD
	50621915	20/7		BETWEEN 6B-5	6	320	KFD
	50621903	20/7		BETWEEN 6B-5	6	320	KFD
	50104912	20/7		BETWEEN 6B-5	6	320	KFD
	50104903	20/7		BETWEEN 6B-5	6	320	KFD
	50104970	20/7			6	320	KFD
	50104915	20/7			6	320	KFD
	50103910	20/7			6	320	KFD
	50712927	20/7			6	320	KFD
	50711909	20/7			6	320	KFD
	50712908	20/7			6	320	KFD
	50712901	20/7			6	320	KFD
	50716904	20/7			6	320	KFD
	50712915	20/7			6	320	KFD
	50712904	20/7			6	320	KFD
	50711906	20/7		BETWEEN 6B-5	6	320	KFD
					30,720 ft²		

122,880

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 30,720 ✓ (ft²) ACCUMULATED: 153,600 (ft²)

NOTES:

©GEOSYNTEC CONSULTANTS FILE NO. 3-03-PP1

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE - DRAINAGE

DATE: 21 day 7 month 95 year

OTHER: ☒ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50711912	21/7		BETWEEN 6B-5	6	320	KFD
	50720 KFD 9910	21/7			6	320	KFD
	50709811	21/7			6	320	KFD
	50704901	21/7		BETWEEN 6B-5	6	320	KFD
					7,680 ft²		

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 24 day 7 month 95 year
DRAINAGE OTHER: ☒ PRODUCT TYPE: COMPOSITE ENKANET 4215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50713906	24/7		NORTH END OF	6	320	KFD
2	50713915			WEST SLOPE			KFD
3	50713907						KFD
4	50713903						KFD
5	50713903						KFD
6	50713902						KFD
7	50712919						KFD
8	50712920						KFD
9	50711900						KFD
10	50712916						KFD
11	50712917						KFD
12	50712910						KFD
13	50712917						KFD
14	50713901			DAILY TOTAL		38,000 ft²	KFD
~~15~~							
1	50712913	25 ~~26~~/7 KFD		SECTION 5	6	320	KFD
2	50711910						KFD
3	50713912						KFD
4	50712909						KFD
5	50712911						KFD
6	50714901						KFD
7	50712912						KFD
8	50712915						KFD
9	50702913			DAILY TOTAL	17,280 ft²		KFD

161,280 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 44,160 (ft²) ACCUMULATED: 205,440 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 7 month 95 year

DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50706911	26/7		SECT. 5	6	320	KFD
2	50715911						KFD
3	50714903						KFD
4	50712905						KFD
5	50713905						KFD
6	50713910						KFD
7	50723905						KFD
8	50709906						KFD
9	50704904	↓		DAILY TOTAL	17,280 ft²		KFD
1	50724901	27/7		SECT. 5	6	320	KFD
2	50722902						KFD
3	50725911						KFD
4	50715910	↓		DAILY TOTAL	7,680 ft²		KFD
1	50711907	28/7		SECTS. 4A TO 4	6	320	KFD
2	50713913						KFD
3	50712902						KFD
4	50712914						KFD
5	50719915						KFD
6	50714906						KFD
7	50524912						KFD
8	50613908						KFD
9	50523915 (61 KFD)	↓		DAILY TOTALS	17,280 ft²		KFD
205,440				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 42,240 (ft²) ACCUMULATED: 247,680 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 7 month 95 year

DRAINAGE OTHER: ☒ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50613902	28/7		SECTIONS 4A TO 4	6	320	KFD
2	50611908						KFD
3	50612910						KFD
4	50709904						KFD
5	50703910						KFD
6	50705915						KFD
7	50702916						KFD
8	50709908						KFD
9	50613914						KFD
10	50613918						KFD
11	50613919						KFD
12	50723901						KFD
13	50715913						KFD
14	50722908						KFD
15	50723904						KFD
16	50723903						KFD
17	50709908						KFD
18	50722903						KFD
19	50720914						KFD
20	50723968						KFD
21	50720911						KFD
				DAILY TOTAL	40,320		
247,680				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 40,320 (ft²) ACCUMULATED: 288,000 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☒ DATE: 29 day 7 month 95 year
PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50722902	29/7		SECT. 4	6	320	KFD
2	50721906	↓			↓	↓	KFD
3	50720911	29/7		↓	↓	↓	KFD
				DAILY TOTAL	5,760 ft²		
1	50721911	31/7			6	320	KFD
2	50722911	↓			↓	↓	KFD
3	50722906	↓			↓	↓	KFD
4	50723911	↓			↓	↓	KFD
5	50721902	↓			↓	↓	KFD
6	50723902	↓			↓	↓	KFD
7	50724910	↓			↓	↓	KFD
8	50727907	↓			↓	↓	KFD
9	50726918	↓			↓	↓	KFD
10	50722907	↓			↓	↓	KFD
11	50725918	↓			↓	↓	KFD
12	50725910	↓			↓	↓	KFD
13	50729901	↓			↓	↓	KFD
14	50725912	↓			↓	↓	KFD
15	50728902	↓			↓	↓	KFD
16	50725915	↓			↓	↓	KFD
17	50724904	↓			↓	↓	KFD
18	50724809	↓		DAILY TOTALS	34,560 ft²		
288,000				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 40,320 ✓ (ft²) ACCUMULATED: 328,320 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 1 day 8 month 95 year

DRAINAGE OTHER: ☒ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	RME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50710906	1/8		SECTION 18	6	320	KFD
2	50713903						KFD
3	50531913						KFD
4	50703903						KFD
5	50531914						KFD
6	50531920						KFD
7	50601903						KFD
8	50601915						KFD
9	50605910						KFD
10	50605914						KFD
11	50607909						KFD
				DAILY TOTALS	21,120 ft²		
1	50728905	2/8			6	320	KFD
2	50725908						KFD
3	50726921						KFD
4	50725907						KFD
5	50724907						KFD
6	50726917						KFD
7	50728901						KFD
8	50727913						KFD
9	50727910						KFD
10	50726904						KFD
11	50726913						KFD
12	50723912			DAILY TOTAL 23,040 ft²			KFD
328,320				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 44,160 ✓ (ft²) ACCUMULATED: 372,480 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☑ DATE: 3 day 8 month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50727902	03/08		SECTION 4	6	320	KFD
2	50727913						KFD
3	50718907						KFD
4	50719902	03/08		SECTION 4	6	320	KFD
				DAILY TOTAL	7,680 ft²		
1	50726909	04/08		SECTIONS 4 TO 17A	6	320	KFD
2	50721907						KFD
3	50721905						KFD
4	50721902						KFD
5	50531901						KFD
6	50531906						KFD
7	50525715						KFD
8	50531919						KFD
9	50529907						KFD
10	50530909						KFD
11	50530910						KFD
12	50535909						KFD
13	50516909						KFD
14	50516910	04/08		SECTIONS 4 TO 17A	6	320	KFD
				DAILY TOTAL	26,880		

372,480 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 34,560 ✓ (ft²) ACCUMULATED: 407,040 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 7 day 8 month 05 year
DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50725902	07/08		SECTIONS 5TO4A	6	320	KFD
2	50725916						KFD
3	50714909						KFD
4	50714911						KFD
5	50728913	07/08		SECTIONS 5 TO 44	6	320	KFD
				DAILY TOTAL	9,600 ft²		
1	50530906	08/08		SECTION 17A	6	320	KFD
2	50536909						KFD
3	50539904						KFD
4	50536911						KFD
5	50530908						KFD
6	50530905						KFD
7	50526910						KFD
8	50526908						KFD
9	50529901						KFD
10	50520914	08/08		SECTION 17A	6	320	KFD
				DAILY TOTAL	19,200 ft²		
1	50724906	09/08		SECTION 4A	6	320	KFD
2	50718903						KFD
3	50718906						KFD
4	50722904						KFD
5	50730903	09/08		SECTION 4A TOTAL 9600	6 ft²	320	KFD
407,040				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 38,400 (ft²) ACCUMULATED: 445,440 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 09 day 8 month 95 year

DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~RME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
6	50728921	09/08		SECTION 4A	6	320	KFD
7	50727905						KFD
8	50726952						KFD
9	50725906						KFD
10	50726910						KFD
11	50726901						KFD
12	50718902						KFD
13	50715903						KFD
14	50715904 (5 KFD)						KFD
15	50716903	09/08		SECTION 4A	6	320	KFD
~~16~~				TOTAL	19,200 ft²		
1	50719906	10/08		SECTION 4	6	320	KFD
2	50710913						KFD
3	50716908						KFD
4	50717914						KFD
5	50709012						KFD
6	50706913 (6906 KFD)						KFD
7	50716902						KFD
8	5072890(?)						KFD
9	50728916						KFD
10	50801901						KFD
11	50731904						KFD
12	50728914						KFD
13	50725908	10/08		SECTION 4	6	320	KFD

445,440 TOTALS:(1) 24,960 ft²

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 44,160 ✓ (ft²) ACCUMULATED: 489,600 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50527906	11/08		SECT. 17A, BELOW "C"	6	320	KFD
2	50716911	↓		↓	↓	↓	KFD
3	50716905	↓		↓	↓	↓	KFD
4	50716909	11/08		SECT. 17A, BELOW "C"	6	320	KFD
				DAILY TOTAL	7,680 ft²		
1	50516907	14/08			6	320	KFD
2	50527904	↓			↓	↓	KFD
3	50528908	↓			↓	↓	KFD
4	50527901	↓			↓	↓	KFD
5	50703907	↓			↓	↓	KFD
6	50702911	↓			↓	↓	KFD
7	50703906	14/08			6	320	KFD
				TOTAL	13,440		

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☒ DATE: 15 day 08 month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5080 1903	15/08		Deployed over 40mil VLT Panels sections 13w-14w	6	320	JJP
	5053 1910						
	5073 0908						
	5072 8920						
	5073 0906						
	5072 8915						
	5073 0909						
	5073 0907						
	5073 0905						
	5073 1902						
	5072 8919						
	5072 8922	15/08		sections 13w & 14w	6	320	JJP
				Daily total 23,040 ft²			

510,720 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 23,040 (ft²) ACCUMULATED: 533,760 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☑ DATE: 16 day 08 month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5052 6914	16/08		sections 13ω-14ω	6	320	JJP
	5051 4905						
	5051 4906						
	5062 0907						
	5051 1918						
	5051 1909						
	5051 3906						
	5051 3919						
	5062 0904						
	5051 3907						
	5062 0912						
	5051 3910						
	5062 1903						
	5062 0915						
	5051 2901						
	5051 1917						
	5051 1916						
	5051 2910						
	5051 2908						
	5053 7903						
	5051 1908						
	5053 8908						
	5052 4908						
	5052 6914						
	5052 4905	16/08		sections 13ω & 14ω	6	320	JJP
	533,760			TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 48,000 (ft²) ACCUMULATED: 581,760 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

DRAINAGE OTHER: ☒ PRODUCT TYPE: COMPOSITE ENKANET 4215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5072 9901	16/Aug		sections 13 & 14 W	6	320	JJP
	5072 9095						
	5072 9903						
	5072 8917						
	5072 9902						
	5051 2913						
	5051 1901						
	5073 1905						
	5051 1903						
	5073 0910						
	5073 9906						
	5073 1903						
	5072 8912						
	5073 1909						
	5080 1902						
	5073 1907						
	5073 1908						
	5051 2910	16/Aug		sections 13+14 W	6	320	JJP

581,760 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 34,560 (ft^2) ACCUMULATED: 616,320 (ft^2)

NOTES:

APPENDIX O

SUBGRADE CERTIFICATES

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y DATE: 8-3-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 35816

Description of area: area approved for liner Panels 139 thru P146

D

Robert F Brown | | David Williams

GUNDLE REPRESENTATIVE | OWNER/CONTRACTOR | INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y DATE: 8-4-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 VLD mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 37180

Description of area: area approved for 40 mil VLD
Panels 147 thru P153

Robert F. Brewster — GUNDLE REPRESENTATIVE

[signature] — OWNER/CONTRACTOR

David Williams — INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y. DATE: 8-8-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 VLT mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 70 632

Description of area: area approved for 40 mil VLT Panels 1 thru 162 also Repaired P23R thru P26R

Robert E Brenda — GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

Lic C Wilbur — INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington LF-4 JOB NUMBER: A 442

LOCATION: Huntington N.Y. DATE: 8-10-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 60 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 36295'

Description of area: Subgrade was approved for Panels 163 thru 1168

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y. DATE: 8-11-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 60 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 25061

Description of area: area approved for liner

B 169 thru 172

Robert E Brewster — GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

David Williams — INSPECTOR

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A1412

LOCATION: Huntington N.Y DATE: 8-14-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 45298

Description of area: Area approved for 40 mil LLDPE Panels 173 thru P181

Robert E Brewster — GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

David Williams — INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y DATE: 8-15-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 60- mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 23419

Description of area: Area approved for liner Panels 182 thru 0/189 (all)

Robert Brewster — GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

David Williams — INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington Closure JOB NUMBER: A442

LOCATION: Huntington NY DATE: 8-21-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 36553

Description of area: Area approved for liner P-190 thru P193

Randy Story

GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

D. Williams

INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington Closure JOB NUMBER: H442

LOCATION: Huntington NY DATE: 8-27-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 27192

Description of area: P-199 thru 203 acceptable for liner deployment.

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington Closure JOB NUMBER: A442

LOCATION: Huntington NY DATE: 8-24-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 22308

Description of area: Area P-204 to P-206 acceptable for liner deployment

Randy Stacy D. Dagg D. Williams

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y DATE: 8-28-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: _____

Description of area: Area approved for 40 mil HLT.
Panels 2101 thru P219

Robert E. Grande R. [illegible] D. Williams

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A422

LOCATION: Huntington N.Y DATE: 8.31.95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 60 VLT mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 27099

Description of area: area approved for 40mil VLT Panels 228 thru 241

Robert Brunsden D. Wagner D. Williams

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y DATE: 9-5-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 60 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 3772

Description of area: Area approved for liner Panels 244 thru P246

Robert E. Brewster | D. Williams

GUNDLE REPRESENTATIVE | OWNER/CONTRACTOR | INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A142

LOCATION: Huntington N. Y DATE: 9-8-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 60 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 19 35Ø

Description of area: Subgrade approved for liner Panels 247 thru P251

Robert Brenda — GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

D. Wilcox — INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y DATE: 9-9-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a VLF mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: _____

Description of area: Subgrade approved for VLF liner Panels 252 thru P257

Robert Brunt _____ D. Williams

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A1142

LOCATION: Huntington N.Y DATE: 9-11-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a VLP mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 67 867

Description of area: area approved for 40mil VLP
Panels 258 thru P. 264

Robert E Bowers — GUNDLE REPRESENTATIVE

OWNER/CONTRACTOR

D. Williams — INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington Closure JOB NUMBER: H442

LOCATION: Huntington N.Y DATE: 9-12-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 34621

Description of area: P-265 thru P-279 aproved for 40 VLT.

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A442

LOCATION: Huntington N.Y. DATE: 9-21-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 10 394

Description of area: subgrade approved for 40 mil VLF Panels 287

Robert Brewster D. Dougherty

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Gundle®

SUBGRADE SURFACE ACCEPTANCE

PROJECT: Huntington JOB NUMBER: A-4-42

LOCATION: Huntington W.V. DATE: 9-28-95

I, the undersigned duly authorized representative of Gundle Lining Construction Corporation, certify that upon visual inspection the subgrade surface described below meets criteria for installation of a 40 VL mil flexible membrane liner. By signing below, however, Gundle acknowledges no responsibility for the subgrade design, degree of moisture or compaction, integrity, elevation, or maintenance thereof, in any way.

Approximate size of area: 35,934

Description of area: Subgrade approved for 40 mil VLT
Panels 288 thru P301

GUNDLE REPRESENTATIVE OWNER/CONTRACTOR INSPECTOR

FORM NO. 05250 PROUDLY PRINTED IN TEXAS BY SOUTHWEST DATA CORP. 713-465-4900

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P

Date: 9-29-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for Panels 302 thru P. 306

For GSE Lining Technology, Inc.: _____

Robert E. Brassler

For Contractor/Owner: _____

#2000

Acceptance Number: 1 Area Accepted: 14453 /SF Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A 442

Location: Huntington N.Y

Customer: J. D. P.

Date: 9-30-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment.. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

subgrade approved for Panels 307 thru 315

For GSE Lining Technology, Inc.: _____

Robert E. Brewster

For Contractor/Owner: _____

#2666

Acceptance Number: 2

Area Accepted: 51802 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr. Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P.

Date: 10-2-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for 40 mil VLT
Panels 316 thru P323

For GSE Lining Technology, Inc.: Robert Brewster

For Contractor/Owner: [signature] #2556

Acceptance Number: 3

Area Accepted: 31755 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P

Date: 10-3-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade approved for 40 mil VLT Panel 324 thru P328

For GSE Lining Technology, Inc.: Robert E Brewster

For Contractor/Owner: #2665

Acceptance Number: 4

Area Accepted: 44818 /SF

Total Area accepted to date: _____

GSE

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington

Customer: J.D.P

Date: 10-4-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for 40 mil VLT
Panels 329 thru P 333

For GSE Lining Technology, Inc.:

Robert E. Brewster

For Contractor/Owner:

#2666

Acceptance Number: 5

Area Accepted: 19713 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P

Date: 10-9-98

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for Panels 334

For GSE Lining Technology, Inc.:

Robert E. Brewster

Supervisor

For Contractor/Owner:

B. Duff #2666

Acceptance Number: 6

Area Accepted: 8354 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P.

Date: 10-10-95

Partial: ✓ Final:

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment.. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for 40 MIL. Panels 335 thru B-349

For GSE Lining Technology, Inc.:

Robert C Brewster

Supervisor

For Contractor/Owner:

B Doss #2666

Acceptance Number: 1

Area Accepted: 58395 /SF

Total Area accepted to date:

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P.

Date: 10-11-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for Panel 350

For GSE Lining Technology, Inc.:

Robert E Bucalo

Supervisor

For Contractor/Owner:

B. Daff #2666

Acceptance Number: #8

Area Accepted: 9392 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P

Date: 10-12-95

Partial: ~ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade approved for 40mil VLT Panels 351 thru P.364

For GSE Lining Technology, Inc.:

Robert E Brewster

Supervisor

For Contractor/Owner:

B. [illegible]

#2660

Acceptance Number: #29 Area Accepted: 51571 /SF Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P.

Date: 10-13-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for 40 mil VLT Panels 365 to P-370

For GSE Lining Technology, Inc.:

Randy Stacy

For Contractor/Owner:

B. [illegible]
#26666

Acceptance Number: 10

Area Accepted: 24006 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington

Customer: J-D.P

Date: 10-14-95

Partial: 1 Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment.. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade approved for 40 Mil VLT Panels 371 thru P373

For GSE Lining Technology, Inc.:

Robert F. Brewster

Supervisor

For Contractor/Owner:

B. Doff #2666

Acceptance Number: 11 Area Accepted: 25547 /SF Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure

Project Number: A442

Location: Huntington

Customer: J.D. Passillico

Date: 10-16-95

Partial: c Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area aproved for gas venting liner. pg 374 - 8 338 (RS)

For GSE Lining Technology, Inc.: _____

For Contractor/Owner: _____ #2656

Acceptance Number: 12 Area Accepted: 13167 /SF Total Area accepted to date: _____

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J.D.P

Date: 10-17-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for 40 mil VLT Panels 389 thru 397

For GSE Lining Technology, Inc.:

Robert E Brewster

Supervisor

For Contractor/Owner:

B. Ott #2666

Acceptance Number: 13 Area Accepted: _____/SF Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington

Project Number: A442

Location: Huntington N.Y

Customer: J-D.P

Date: 10-18-95

Partial: ✓ Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Subgrade was approved for 40 mil VLT Panels 39Y thru P 406

For GSE Lining Technology, Inc.:

Robert E. Brunelle

Supervisor

For Contractor/Owner:

#2666

Acceptance Number: 14

Area Accepted: _____ /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure

Project Number: A442

Location: Huntington N.Y.

Customer: J.D. Posillico

Date: 10-20-95

Partial: — Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area acceptable for liner deployment 407 – 415

For GSE Lining Technology, Inc.:

Randy Story

For Contractor/Owner:

B. Dyer #2666

Acceptance Number: 15

Area Accepted: 29410 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure

Project Number: A442

Location: Huntington NY

Customer: J.D. Posillico

Date: 10-25

Partial: 1 Final:

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area aproved for liner. No sharp objects in the area

P-416 - P 419

For GSE Lining Technology, Inc.:

Randy Story

For Contractor/Owner:

#2666

Acceptance Number: 16

Area Accepted: 38230 /SF

Total Area accepted to date:

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr.. Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure
Project Number: A442
Location: Huntington NY

Customer: J.D. Posillico
Date: 10-26-95
Partial: X Final: ____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area approved for liner - P-420 - P 434

For GSE Lining Technology, Inc.:
Randy Story

For Contractor/Owner:
B. [illegible] #2668

Acceptance Number: 17
Area Accepted: 48599 /SF
Total Area accepted to date: ____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure

Project Number: A442

Location: Huntington NY

Customer: J.D. Posillico

Date: 10-27-95

Partial: 4 Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area acceptable for liner placement P-435-436

For GSE Lining Technology, Inc.: Randy Stacy

For Contractor/Owner: #2666

Acceptance Number: 18

Area Accepted: 2505 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr.. Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure

Project Number: A442

Location: Huntington N.Y.

Customer: J.D. Posillico

Date: 10-30-95

Partial: X Final: _____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area acceptable for liner. P-#437 - P.443

For GSE Lining Technology, Inc.:

Randy Story

For Contractor/Owner:

B. Doss #26656

Acceptance Number: 19

Area Accepted: 3952 /SF

Total Area accepted to date: _____

GSEIS01 9/95 Distribution Owner/Contractor, Project Mgr., Project File.

Subgrade Surface Acceptance

Project Name: Huntington Closure
Project Number: A442
Location: Huntington NY

Customer: J.D. Posillico
Date: 11-1-95
Partial: X Final: ____

This document only applies to the acceptability of surface conditions for installation of geosynthetic products. GSE does not accept responsibility for compaction, elevation or moisture content, nor for the surface condition maintenance during deployment. Structural integrity of the subgrade and maintenance of these conditions are the responsibility of the Owner or Earthwork Contractor.

Area accepted for liner. P-444 thru P-453

For GSE Lining Technology, Inc.: ____

For Contractor/Owner: ____

Acceptance Number: 19

Area Accepted: 20285 /SF

Total Area accepted to date: ____

APPENDIX P

GEOCOMPOSITE PANEL

PLACEMENT LOG

SUB APPENDIX P–1

GAS VENTING LAYER

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 08 day 06 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50518908	8/6			Between 5+6	6.0	260	mj
					Total		1560 FT²	
					Total To date		72960 FT²	
1	50520905	9/6			Between 5+6	6.0	320	mj
2	50518907							mj
3	50518915							mj
4	50520908							mj
5	50520907							mj
6	50521903							mj
7	50518909							mj
8	50519909							mj
9	50518912							mj
10	50519911							mj
11	50520911							mj
					Total		21120 FT²	
					Total To Date		94080 FT²	
1	50521904	13/6			Between 5+6	6.0	320	mj
2	50518913							mj
3	50519901							mj
4	50520906							mj
5	50521905							mj
6	50521907							mj
7	50519900				Between 5+4A			mj
					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: _____ (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 13 day 06 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
8	50519905	13/6			Between 5 & 4A	6.0	320	MJ
9	50518903							MJ
10	50519904							MJ
11	50518904							MJ
12	50522904							MJ
13	50522905							MJ
14	50519913							MJ
15	50520909							MJ
16	50524915							MJ
17	50524914							MJ
18	50523914							MJ
19	50523913							MJ
GS4 & GS3 20	50522907							MJ
21	50523907							MJ
22	50523909							MJ
23	50523910							MJ
24	50523911							MJ
25	50524908							MJ
26	50522902							MJ
27	50521906							MJ
28	50511919							MJ
					Daily Total	53760 Ft²		
					Total To Date	147840 Ft²		
					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: _____ (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day 6 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50521906	15/6			Upslope of D Between 4A+5	6.0	320	mj
2	50523908							mj
3	50523912							mj
4	50524910							mj
5	50524911							mj
6	50523905				Between 6+5			mj
7	50519906							mj
8	50522903							mj
					Daily Total 15,360 Ft² Total To date 163200 Ft²			
1	50522906	19/6			Between 5+6	6.0	320	mj
2	50523906							mj
3	50519914							mj
4	50518911							mj
5	50519912							mj
6	50522908							mj
7	50522913							mj
8	50518905							mj
9	50523903							mj
10	50523902							mj
11	50522915							mj
12	50522912							mj
13	50522914							mj
14	50522911							mj
					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: _____ (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

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

Drainage ☐ Gas Venting ☑ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
15	50522910	19/6			Between 5 & 6	6.0	320	m1
16	50524916	19/6						m1
17	50524902	19/6						m2
					Daily Total 32640 Ft²			
					Total To date 195840 Ft²			
1	50524903	20/6			Between 6 & 1A	6.0	320	m1
2	50524904							m1
3	50525902							m2
4	50525241							m2
5	50525903							m2
6	50524906							m2
7	50519907							m2
8	50525901							m2
9	50521902							m2
10	50519908							m2
11	50524918							m1
12	50608904							m1
13	50607913							m2
14	50601913							m2
					Daily Total 26880 Ft²			
					Total To date 222720 Ft²			
					TOTALS:(2)			

C&S

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: _____ (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 19 day 6 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50522906	19/6			BETWEEN SECTION 6 - 6A	6	320	DW
	50523906				"			
	50519914				"			
	50518911				"			
	50519912				"			
	50522908				"			
	50522913				"			
	50518905				"			
	50523903				"			
	50523902				"			
	50522915				"			
	50522912				"			
	50522914				"			
	50522911				"			
	50522910				"			
	50524916				"			
	50524902	19/6			"	6	320	DW
	50524903	20/6			BETWEEN SECTION ~~6A - 1APW~~ 5 - 6	6	320	DW
	50524904							
	50525902							
	50525241							
	50525903							
	50524906							
	~~5051~~ (PW) 50519907	20/6				6'	320	DW
					TOTALS:(2)			

24 = 46080 = TOTAL 268,800

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 268 800 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 20 day 6 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5052 5901	20/6			BETWEEN SECTION 5-4	6	320	DW
	5052 5902							
	5051 9908							
	5052 4918							
	5060 8904							
	5060 7913							
	5051 1913	20/6				6	320	DW
	5060 7914	21/6			SECTION 5-4	6	320	DW
	5060 7912	21/6			"	"	"	"

DW

9 = 17,280 TOTAL = 286,080

TOTALS:(2)

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 286080 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day JUNE month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50607916	26/6			NORTH WEST CORNER	65	320	DW
	50608903				SECTION 5 - 6A			DW
	50616908				"			DW
	50616903				"			DW
	50608917				"			DW
	50609903				"			DW
	50607915				"			DW
	50609906	26/6			NORTH WEST CORNER			DW
	8 Roll							
	50608909	28/6			NORTH WEST CORNER	65	320	DW
	50607918				SECTION 6B - 1A			DW
	50608908							DW
	50608915							DW
	50608913							DW
	50608916							DW
	50601910							DW
	50607917							DW
	50601914							DW
	50601912							DW
	50602902							DW
	50602904							DW
C66	50608902							DW
	50609901	28/6			NORTH WEST CORNER			DW
	4a240							
	22 Roll				TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: 2 (2) APPROX AREA: 328,320 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 29 day June month 95 year

Drainage ☐ Gas Venting ☑ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5060 9902	3/7			NORTH WEST CORNER	65	320	DW
	5060 9905				SECTION 1A - 2			DW
	5060 8907							DW
	5060 7911							DW
	5060 7910							DW
	5060 2911							DW
	5060 2912							DW
	5060 2905							DW
	5060 3906	3/7				6	320	DW
9								
	5060 3903	5/7			WEST SLOPE SECTION 4-17A	65	320	DW
	5060 4903							DW
	5060 3901							DW
	5060 5901							DW
	5060 4902							DW
	5060 4901							DW
	5060 5907							DW
	5060 5905							DW
	5060 5904							DW
	5060 5910							DW
	5060 5914							DW
	5060 5911							DW
	5060 5903							DW
	5060 3902							DW
	5060 5913	5/7						DW
15	46080				TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 374400 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

GAS VENT OTHER: [X] PRODUCT TYPE: AKZO NOBLE ENKANET 4215

CL#7

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5060 6904	5/7		ALONG WEST SLOPE FROM SECTION	6'	320	DW
	5060 6902	5/7		4 - 17A	6	320	DW
	50605909	5/7		↓	6	320	DW
4	5060 5912	5/7			6	320	DW
	5060 8914	6/7		IN SECTION	6	320	DW
	5060 2907	6/7		4 - 17A	6	320	DW
	5060 8905	6/7		"	6	320	DW
3	(14,560 S.F.)			"			
	5060 8906	7/7		IN SECTION 4-17A	6	320	DW
	5060 9908	7/7		"	"	"	"
3	5060 9918	7/7		"	6	320	DW
	5061 7922	8/7		IN SECTION 4-17A	6	320	DW
	5061 9918	8/7		"	6	320	DW
	5061 7920	8/7		"	6	320	DW
	5061 9920	8/7		"	6	320	DW
	5061 7903	8/7		"	6	320	DW
	5061 9919	8/7		"	6	320	DW
	5061 8911	8/7		"	6	320	DW
	5061 9914	8/7		"	6	320	DW
	5061 9911	8/7		"	6	320	DW
	5061 8922	8/7		"	6	320	DW
11	5061 9921	8/7		"	6	320	DW
21 Rolls = 40,320 ✓				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: _____ (ft^2) ACCUMULATED: 414720 ✓ (ft^2)

NOTES: _____

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 09 day 05 month 95 year

Drainage ☑ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50424902	9/5			Upslope of T.P.	6.0	320	mJ
2	50426909							mJ
3	50427904							mJ
4	50424901							mJ
5	50427901							mJ
6	50509905							mJ
					Daily Total	11520 Ft²		
					Total To Date	46080 Ft²		
1		12/5			Upslope of T.P.	6.0	320	mJ
					Daily Total	1920 Ft²		
					Total To Date	48000 Ft²		
					(13,440 ft²) This page.			
					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: ~~48,000~~ 13,440 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day 7 month ____ year

Drainage [X] Gas Venting [ ] OTHER: [ ] PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50612901	11/7			PANEL 77-44	6'	320	DW
	50609904					6	320	DW
	50609912	1				6	320	"
	50609917					6	320	DW
	50609915					"	320	"
	50609910					"	"	"
	50609911					6	"	"
	50611919					"	"	"
	50612902					"	"	"
	50612915					"	"	"
	50619919					6	320	DW
	50611918					"	"	"
	50612905					"	"	"
	50612914					"	"	"
	50611920					"	"	"
16	50612918	11/7				6'	320	DW
	50702914	15/7				6	320	DW
	50703902					6	320	DW
	50703903					6	320	DW
	50710914					6	320	DW
	50608902					6	320	DW
6	50710909	15/7				6	320	DW
	22 Rolls = 42240				TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 136,320 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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 95 year

GAS VENTING OTHER: ☑ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50612917	12/7		SECTION 4-17A	6	320	KFD
	50612916	12/7			6	320	KFD
	50611907	12/7			6	320	KFD
	50611902	12/7			6	320	KFD
	50611914	12/7			6	320	KFD
	50611915	12/7			6	320	KFD
	50611911	12/7			6	320	KFD
	50610913	12/7			6	320	KFD
	50612916	12/7			6	320	KFD
	50612906	12/7			6	320	KFD
	50612902	12/7			6	320	KFD
	50615903	12/7			6	320	KFD
	50617917	12/7			6	320	KFD
	50614904	12/7			6	320	KFD
	50617906	12/7			6	320	KFD
	50616912	12/7			6	320	KFD
	50614907	12/7			6	320	KFD
	50615906	12/7			6	320	KFD
	50616911	12/7			6	320	KFD
	50617909	12/7			6	320	KFD
	50616910	12/7			6	320	KFD
	50617905	12/7			6	320	KFD
	50615901	12/7			6	320	KFD
	50617921	12/7		4-17A	6	320	KFD

24 x 1920 = 45,180

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: _____ (ft²) ACCUMULATED: 459,900 (ft²)

NOTES: _____

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day 7 month 95 year

OTHER: ☒ GAS VENTING PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50501192	15/7		17A – 17	6	320	KFD
	50617907	15/7			6	320	KFD
	50617902	15/7			6	320	KFD
	50615911	15/7			6	320	KFD
	50617913	15/7			6	320	KFD
	50614906	15/7			6	320	KFD
	50531902	15/7			6	320	KFD
	50617911	15/7			6	320	KFD
	50615913	15/7			6	320	KFD
	50615909	15/7			6	320	KFD
	50615902	15/7			6	320	KFD
	50617916	15/7		17A – 17	6	320	KFD
				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 23,040 (ft^2) ACCUMULATED: 482,940 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 17 day 7 month 95 year

OTHER: [X] GAS VENTING PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50620911	17/7		17A - 17	6	320	KFD
	50621916	17/7			6	320	KFD
	50621904	17/7			6	320	KFD
	50616906 (KFD)	17/7			6	320	KFD
	50616905	17/7			6	320	KFD
	50616901	17/7			6	320	KFD
	50611911	17/7			6	320	KFD
	50616902	17/7			6	320	KFD
	50616104	17/7			6	320	KFD
	50615910	17/7			6	320	KFD
	50616909	17/7			6	320	KFD
	50616905	17/7			6	320	KFD
	50611917	17/7			6	320	KFD
	50615918	17/7			6	320	KFD
	50613907	17/7			6	320	KFD
	50615914	17/7			6	320	KFD
	50615921	17/7			6	320	KFD
	50615910	17/7		17A - 17	6	320	KFD
				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 34,560 (ft^2) ACCUMULATED: 517,500 ✓ (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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

GAS VENTING. OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9225

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
11	50726914	2-8		SECTION 18	6	320	KFD
12	50728904	2-8		SECTION 18	6	320	KFD
13	5072 2905	2-8		SECTION 18	6	320	KFD
				TOTAL 5,760 ft²			
1	50727901	3-8		SECTION 18 TO 14W	6	320	KFD
2	50721905						KFD
3	50721907						KFD
4	50718904						KFD
5	50714910						KFD
6	50719904						KFD
7	50718905	3-8		SECTION 18 TO 14W	6	320	KFD
				DAILY TOTAL 13,440 ft²			
1	50516912	7-8 KFD		SECTION 4 TO 17A	6	320	KFD
2	50516911						KFD
3	50529902						KFD
4	50530905 KFD						KFD
5	50525910						KFD
6	50530903						KFD
7	50530902						KFD
8	50530918						KFD
9	50516902						KFD
10	50531903	7-8		SECTION 4 TO 17A	6	320	KFD
				TOTAL 19,200 ft²			

TOTALS:(1) 38,400 555,900

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 21,120 NB (ft²) ACCUMULATED: 538,620 NB (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 1 day 8 month 95 year

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50725909	1-8		SECTION 18	6	320	KFD
2	50727906						KFD
3	50728911						KFD
4	50726903						KFD
5	50726901						KFD
6	50725911						KFD
7	50728909						KFD
8	50723913						KFD
9	50725917						KFD
10	50728904						KFD
11	50727912						KFD
12	50728908						KFD
13	50727908	1-8		SECTION 18	6	320	KFD
				DAILY TOTAL	24,960 ft²		✓
1	50726907	2-8		SECTION 18	6	320	KFD
2	50728903						KFD
3	50726911						KFD
4	50726916						KFD
5	50727911						KFD
6	50725920						KFD
7	50724902						KFD
8	50726905						KFD
9	50726912						KFD
10	50721909	2-8		SECTION 18	6	320	KFD
				DAILY TOTAL	19,200 ft²		
				TOTALS: (1)		600060	TB

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 44,160 (ft²) ACCUMULATED: ~~544,780~~ (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: G03700 TASK NO.: 01

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

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50727901	3/8		SECTION 18	6	320	KFD
2	50721905						KFD
3	50721907						KFD
4	50718904						KFD
5	50714910						KFD
6	50719904						KFD
7	50718905	03/08		SECTION 18	6	320	KFD
				DAILY TOTAL	13,440 ft² ✓		
1	50516912	07 07/08		SECTION 13W	6	320	KFD
2	50516911						KFD
3	50529902						KFD
4	50530907						KFD
5	50525910						KFD
6	50530903						KFD
7	50530902						KFD
8	50530918						KFD
9	50516901						KFD
10	50531903						KFD
11	50576902						KFD
12	50531912						KFD
13	50531905						KFD
14	50531904						KFD
15	50531908	07/08		SECTION 13W TOTAL	6	320 ✓	KFD
					28,800 ft²		
				TOTALS:(1)		642,300	

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 42,240 (ft²) ACCUMULATED: ~~625,020~~ (NR)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
11	50516902	7-8		SECT. 4 TO 17A	6	320	KFD
12	50531912						KFD
13	50531905						KFD
14	50531904						KFD
15	50531908						KFD
16	50531922						KFD
17	50530915						KFD
18	50530904						KFD
19	50530906	7-8		SECT. 4 TO 17A	6	320	KFD
				TOTAL 17,280 ft² ✓			
				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 17,280 ✓ (ft²) ACCUMULATED: ~~642,300~~ 659,580 (ft²) (NB)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9225

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
16	50531922	07/08		SECTION 13W	6	320	KFD
17	50530915						KFD
18	50530904						KFD
19	50530906	07/08		SECTION 13W	6	320	KFD
				TOTAL	7,680 ft²		
1	50531906	10/08		SECTION 14W	6	320	KFD
2	50528907						KFD
3	50526903						KFD
4	50516904						KFD
5	50515904						KFD
6	50515905						KFD
7	50515907						KFD
8	50515916						KFD
9	50515908						KFD
10	50515906						KFD
11	50515903						KFD
12	50515917						KFD
13	50515911						KFD
14	NO NUMBER						KFD
15	NO NUMBER	10/08		SECTION 14W	6	320	KFD
				DAILY TOTAL	28,800 ft²		

TOTALS:(1) 696,960

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 36,480 ✓ (ft²) ACCUMULATED: ~~678,480~~ NB (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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

GAS VENTING. OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50515902	11/08		SECTIONS 15W TO 14	6	320	KFD
2	50516906						KFD
3	50515915						KFD
4	50515912						KFD
5	50515914						KFD
6	50517905						KFD
7	50517901						KFD
8	50516913						KFD
9	50516907						KFD
10	50528902						KFD
11	50530913						KFD
12	50528901						KFD
13	50531907						KFD
14	50528911						KFD
15	50530912						KFD
16	50528912	11/08		SECTIONS 15W TO 14	6	320	KFD
				DAILY TOTAL	30,720 ft		

696,060

TOTALS:(1) 726,780

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 30,720 ✓ (ft²) ACCUMULATED: 169,500 (1) (ft²)

NOTES:

GeoSyntec Consultants File No. 3-00-P7

SHEET NO 20 OF 54

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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

GAS VENTING. OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	~~50516907~~ JJP/KAS	14/08		SECTIONS 14 TO 20W	6	320	KFD
2	~~50527904~~ JJP						KFD
3	~~50528908~~ JJP						KFD
4	~~50527901~~ JJP						KFD
5	50527903						KFD
6	50526901						KFD
7	50528910						KFD
8	50528905						KFD
9	50527902						KFD
10	50527905						KFD
11	50526905						KFD
12	50528906						KFD
13	50525913						KFD
14	50513903						KFD
15	50513902						KFD
16	50528914						KFD
17	50528913						KFD
18	NO NUMBER	14/08		SECTIONS 14 TO 20W	6	320	KFD
				DAILY TOTAL	34,560 ft²		

726,780 TOTALS:(1) 761,340

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 34,560 ✓ (ft²) ACCUMULATED: ~~744,060~~ (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

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

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	5052 6906	15/08		sections 15w - 16w	6	320	JJP
2	5051 3904						JJP
3	5051 3907						JJP
4	5051 1907						JJP
5	5052 9906						JJP
6	5052 5908						JJP
7	5052 5906						JJP
8	5052 5908						JJP
9	5051 2911						JJP
10	5052-5912	15/08		sections 15w - 16w	6	320	JJP
	5052 6907						JJP
	5052 8903						JJP
	5051 7902						JJP
	5051 2912	15/08		sections 15w - 16w	6	320	JJP
				Daily total 26,880 ft²			
				TOTALS:(1)			

761,340

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 26,880 ✓ (ft²) ACCUMULATED: ~~788,220~~ 788,220 (ft²)

NOTES: _____

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 18 day Aug month 95 year

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5051 1912	18/Aug		Sections 14E	6	320	JSP
	5051 4904						
	5042 4903						
	5050 2902						
	5050 4902						
	5050 4905						
	5042 7915						
	5050 1906	18/Aug		Sections 14E	6	320	JSP

788,220

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 15,360 ✓ (ft²) ACCUMULATED: 803,580 786,300 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

GAS VENTING OTHER: ☒ PRODUCT TYPE: GEOCOMPOSITE ENKANET 9225

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50511908	19/Aug		Bottom of eastern slope section 14E & 13E	6	320	JJP
	50512904						
	50508908						
	50510912						
	50512908						
	50511902						
	50511914						
	50511911						
	50512909						
	50511906						
	50530917						
	50511915	19/Aug		Bottom of eastern slope sections 14 & 13E	6	320	JJP

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 4275

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50504901	21/8		EAST SLOPE	6	320	DW
	5050 8909			SECTION 19E			
	5050 8905			TO 19A			
	5050 7906						
	50731906						
	50511916						
	50505903						
	50510904						
9	50514907	21/8			6	320	DW
	3 Roll No ##	21/8	DW	TOTAL	23,040 SQ.FT.		
				TO DATE			
				EAST SLOPE			
	50507905	22/8		SECTION 19E TO	6	320	DW
	50504903			20E			
	50514908						
	50518909						
	50504909						
	50426910						
	50505905						
	50505910						
	50501902						
10	50505906	22/8			6	320	DW
				TOTAL	19,200 SQ.FT. ✓		
				TOTALS:(1)			

826,620

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 42,240 ✓ (ft²) ACCUMULATED: ~~851,580~~ (NB) 868,860 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 22 day 8 month 95 year

GAS VENTING OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5056 29.01	22/8		EAST SLOPE SECTION 20 E	6	320	DW
	5050 5901	↓		↓	6	320	DW
	5042 7902				6	320	DW
4	5050 5907	22/8			6	320	DW
	5050 5902	23/8		SECTION 20 E	6	320	DW
	5072 5904						
	5072 6920						
	5071 5914						
	5072 6707						
	5072 1903						
	5070 1919						
	5072 5903						
	5072 5905						
	5071 9910						
	5072 7903						
	5071 9912						
	No #						
	5072 5919						
	No #.						
	5062 1920						
	5072 5901						
	5070 1914						
19	5071 9902	23/8		SECTION 21 E	6	320	DW

868,860 ✓ TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 44,160 (ft²) ACCUMULATED: ~~895,740~~ 913,020 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

X GAS VENTING. OTHER: [X] PRODUCT TYPE: GEOCOMPOSITE ENKANET 9275

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50618903	23/8		SECTION 21E	6	320	DW
	50621920			↓	"	"	DW
	50620906			↓	"	"	DW
	50720909	23/8		↓ #21E	6	320	DW
5	NO # 1 ROLL			↓	6	320	DW
	50621919	24/8		SECTION 21E	6	320	DW
5	4 ROLL NO#	24/8		—	6	320	DW
	50720902	25/8		SECTION #21E	6	320	DW
	50601907			↓	↓	↓	↓
	50620901			↓	↓	↓	↓
	50619924			↓	↓	↓	↓
	50621902			↓	↓	↓	↓
	50621918			↓	↓	↓	↓
	50630900			↓	↓	↓	↓
	5 ROLL NO.#			↓	↓	↓	↓
	50701915			↓	↓	↓	↓
	50508904			↓	↓	↓	↓
16	50701913	25/8		SECTION 21E	6	320	DW
	(30,720 SQ.FT) 49920 NO #			SECTION 21E			THIS WK.
15	# 15 ROLL	26/8		W/E 27 AUG 974,460		78,720 S.F	
	50619906	28/8		SECTION 22 E	6	320	DW
	50621901						
	50621906						
	50621905						
5	50619906	28/8			6	320	DW
26 31	913,030			TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 88,320 (ft²) ACCUMULATED: ~~934,060~~ 1,001,350 (ft²)

NOTES:

*GeoSyntec Consultants File No. T-03-87-1

SHEET NO. 27 OF: 54

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 8 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

1,047,360 SQ FT TO DATE

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50619917	28/8		SECTION 22E	6	320	DW
	50702906	↓		↓	↓	↓	↓
	50619905	↓		↓	↓	↓	↓
4	50701905	28/8		SECTION 22E	6	320	DW

1,001,350

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 7,680 (ft²) ACCUMULATED: ~~991,710~~ 1,009,030 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite.

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☐ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50622904	06/Sep			15G & 14G	6.0	320	JJP
	50709917							
	50711913							
	50625908							
	50623905							
	50624910							
	50615907							
	50622907							
	50622915							
	50625909							
	50622914							
	50619910							
	50711911							
	50710907							
	50622906							
	50624906							
	50624914							
	50623909							
	50622908							
	50621921							
	50617923							
	50621922							
	50622902				Page total	44.1	60 sq ft	✓
	1,009,030				TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: ~~1,035,900~~ 1,053,190 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☐ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50 623914	06/Sep			15 & 14 E	6.0	320	JJP
	50 624912							
	50 624911							
	50 622412							
	50 624904							
	50 624913							
	50 623901							
	50 625910							
	50 623913							
	50 625906							
	50 623915							
					Page total	21,	120 sq ft	
					Previous Page total	44,	160 sq ft	
					Daily total	65,	280 sq ft.	

1,053,190

TOTALS:(2)

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: ~~1,057,020~~ 1,074,310 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite.

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 07 day Sept month 95 year

Drainage ☐ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50 62 3903	7/Sept			SECTION 14E & 13A	6.0	320	JJP
	50 62 2914							
	50 62 9914							
	50 715909							
	50 709913							
	50 617915							
	50 611906							
	50 610904							
	50 612913							
	50 611904							
	50 613920							
	50 72 1980							
	50 610909							
	50 613919							
	50 62 2910							
	50 62 3918							
	50 62 4907							
	50 716912							
	50 715901							
	50 610902							
	50 610908							
	50 609922							
	50 610901							
	50 610907				TOTAL PAGE	46,	080	sqft
					TOTALS:(2)			

1,074,310

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,120,390 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 07 day Sept month 95 year

Drainage ☐ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50611901	07/Sep			section 14 & 13A	6.0	320	SSP
	50610905							
	50617914							
	50623917							
	50625907							
	50619912							
	50710903							
	50612917							
	50617908							
	50611909							
	50617910							
	50610910							
	50617918							
	50612908							
	50610911							
	50714908							
					TOTAL PAGE	30	720 ✓	sq ft
					TOTAL PREVIOUS PAGE	46,080		sq ft
					DAILY TOTAL	76,800		sq ft
					TOTALS:(2)			

1,120,390

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,151,110 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5090 4904	16/Sep			section 2A ; 3	6	320	JJP
	5090 5901							
	5090 5906							
	5090 5913							
	5090 5916							
	5090 3912							
	5090 3911							
	5090 3914							
	5090 6905							
	5090 4915							
	5090 5908							
	5090 5909							
	5090 5914							
	5090 4909							
	5090 4908							
	5090 5912							
	5090 2902							
	5090 5911				Daily total	34	560	30 ft

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite.

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day SEPT month 95 year

Drainage ☒ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP (1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50917927	28/9			13-E ABOVE LOWER HAUL RD	6	320	DW
	50917925							
	50912911							
	50912904							
	50912909							
	50919914							
	50901910							
	50919909							
	50901909							
	50919910							
	50919911							
	50901907							
	50918922							
	50918911							
	50918923							
	50918903							
	50901911	28/9			SECTION 13 E	6	320	DW
17								
	50919913	29/9			SECTION 12 ABOVE LOWER HAUL RD.	6	320	DW
	50917901							
	50901913							
	50918916							
	50912913							
	50911914							
7	50918924	29/9			SECTION 12	6	320	DW
	1,185,670 THIS PAGE				TOTALS: (2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: 46,080 (2) APPROX AREA: 1,231,750 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 29 day 9 month 95 year

Drainage ☒ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50917918	29/9			SECTION 12 ABOVE HAUL RD.	6	320	DW
	50912910							
	50911909							
	50918917							
	50912908							
	50921906							
	50912901							
	50918907							
	50917906							
	50919908							
	50918901							
	50917919							
	50918915							
	50918925							
	50918918							
	50831904							
	50913920							
	50918929							
	50918928							
	50918912							
	50912903							
	50912902							
	50918926							
	50917928				SECTION 12	6	320	DW
25	50918914	29/9						
	1,231,760 THIS PAGE				TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: 48,000 ✓ (2) APPROX AREA: 1,279,760 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 29 day 9 month 95 year

Drainage ☒ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
~~29/9~~	50914901	29/9				6	320	PW
	50826901							
	50917926							
4	50901917	29/9				6	320	PW
					TO DAY		7680	
	50826908	30/9				6	320	PW
	50901919							
	50901918							
	50914918							
5	50831905	30/9				6	320	PW
					TO DAY		9600	
	50901912	1/10				6	320	PW
	50917904							
	50903924							
	50916907							
	50915904							
6	50912905	1/10				6	320	PW
					TO DAY		11,520	

1,279,760 TOTALS:(2)

NOTES: (1) TEMP MEASUREMENT LOCATION: THIS PAGE 28,800 ✓ (2) APPROX AREA: 1,308,550 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite.

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 2 day 10 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	50901912	2 10			12A - 11A	6	320	WSH
2	50916907							
3	50917904							
4	50915904							
5	50903924							
6	50912905							
7	50917917							
8	50920910							
9	50920901							
10	50826916							
11	50920909							
12	50901914							
13	50919904							
14	50920911							
15	50920904							
16	50914402							
17	50920912							
18	50920918							
19	50920902							
20	50920903							
21	50918920							
22	50920907							
23	50920914							
24	50920905							
25	50921902							
1,308,550					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 48000 (ft²)

1,356,550

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG – Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 2 day 10 month 95 year

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	509 20919	2/10			12A – 11A	6	320	WSH
	509 20913	↓			↓	↓	↓	↓
	509 18921							
	509 19920							
	506 13905							
	509 01908							
	509 05901							
	508 29903	↓			↓	↓	↓	WSH

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: G03700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 3 day 10 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50904910	3/10		11 - 11A	6	320	WSH
	50902918	3/10		11 - 11A	6	320	WSH
	50921911	4/10		11 - 11A	6	320	DW
	50921904						
	50919919						
	3 ROLL NO #						
	50918906						
	50918905						
	50918913						
	50921905	4/10		11 - 11A	6	320	DW

1,371,910

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 23,040 ✓ (ft²) ACCUMULATED: 1,394,950 (ft²)

NOTES:

GeoSyntec Consultants File No. 3-03-PRA

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: G03700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 9 day 10 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50919917	9/10		SECTION 10	6	320	DW
	50922905						
	50826907						
	50919916						
	50929901						
	50923904						
	50922928						
	50923908						
	50922912						
	NO ROLL#						
	50921901						
	50922907						
	50826906						
	50922925						
	50925902						
	50826905						
	51004910						
	50925901						
	50925906						
	50925903						
	50922904						
	NO ROLL#						
	NO ROLL#						
	50826909						
25	50920908	9/10		SECTION 10	6	320	DW
				TOTALS:(1)			

1,394,950

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 48,000 ✓ (ft²) ACCUMULATED: 1,442,950 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 9 day 10 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50923902	9/10		SECTION 10-9A	6	320	DW
	50925905	9/10		"	6	320	DW
(5)	~~50DW~~ NO ROLL#	9/10		"	6	320	DW
				TOTAL	5760	SQ FT	
				TOTAL DAILY :	53,760	SQ FT	
	50922908	11/10		SECTION 9A-9			
	50919907	11/10		"			
	50923912	11/10		"			
	NO ROLL # (04)	11/10		"			
				TOTAL	7,680		

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: G03700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 (DDW) 14 day 10 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	509Z2909	11/10		Sections 10-9A	6	320	DDW
	509Z2919						
	509Z2915						
	509Z4913						
	509Z2910						
	509Z3911						
	509Z3914						
	509Z2913						
	509Z2916						
	NO ROLL #						
	509Z2914						
	509Z4914						
	509Z4909						
	509Z2918			SECTIONS 9A-9			
	NO ROLL #						
	509Z2917						
	509Z4923						
	509Z4911						
	509Z2911						
	NO ROLL #						
	509Z4905						
	509Z3915						
	509Z8930						
	509Z3916						
	509Z3909						
	509Z3905						
	509Z2908 (27)	11/10			6	320	DDW
1,456,390				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 51,840 (ft²) ACCUMULATED: 1,508,230 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: G03700 TASK NO.: 01

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

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50924920	12/10		SECTION 9-8A	6	320	DDW
	50825904						
	50924912						
	50923922						
	50923903						
	51004901						
	50924922						
	50826904						
	51004907 (09)	12/10		SECTION 9-8A	6	320	DDW
				TOTAL	17,280	SQ FT	
	50921910	13/10		SECTION 8A-8	6	320	DDW
	50921913						
	50921922						
	50921924						
	50922903						
	50925907						
	50921917						
	50826902						
	50921918						
	50826903						
	50922901						
	50924917						
	50922902 (13)	13/10		SECTION 8A-8	6	320	DDW
				TOTAL	24,960	SQ FT	
	1,508,230			TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 42,240 ✓ (ft²) ACCUMULATED: 1,550,470 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 14 day 10 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	NO ROLL #	13/10		SECTION 8A-8	6	320	DDW
	50923917	13/10		"	"	"	"
	50919903	13/10		"	"	"	"
	NO ROLL # (04)	13/10		"	"	"	"
				TOTAL	7680	SQ FT	
	51003902 (01)	14/10		SECTION 8A-8	6	320	DDW
				TOTAL	1920	SQ FT	
	50923910	16/10		SECTION 8-7	6	320	DDW
	51005908						
	NO ROLL #						
	51011902						
	51005905						
	51005912						
	NO ROLL #						
	51005913 (08)	16/10		SECTION 8-7	6	320	DDW
				TOTAL	15,360	SQ FT	

1,560,470 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 24,960 (ft²) ACCUMULATED: 1,575,430 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GO3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 17 day 10 month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50921920	17/10		SECTION 8/8A	6	320	DDW
	51011904			"			
	50921916			"			
	51004908			"			
	50924918			"			
	51011908			"			
	51004922			SECTION 7-3A			
	50919905						
	NO ROLL #						
	50919901						
	51011905						
	51005906						
	51005904						
	50918908						
	51011907						
	51004919						
	51011901						
	NO ROLL #						
	51005919						
	50922931 (20)	17/10		SECTION 7-3A	6	320	DDW
				TOTAL	38,400	SQ FT	

1,575,430

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 38,400 ✓ (ft²) ACCUMULATED: 1,613,830 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 18 day Oct month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5092 3913	18/Oct		UPPER FLAT AREA NORTH END	6	320	JJP
	5092 4906	18/Oct					
	5092 3920	18/Oct					
	5100 5911	18/Oct					
	5092 1908	19/Oct					
	5100 5903						
	5091 3919						
	5101 1903						
	5092 3921						
	5091 4914						
	5100 5916						
	5100 4921						
	NO #						
	5100 4911						
	5100 5901						
	5091 3907						
	5080 1904						
	5100 5917						
	5091 3918						
	5100 4914						
	5091 4916						
	NO #	19/Oct			6	320	JJP

1,613,830 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 42,240 ✓ (ft²) ACCUMULATED: 1,656,070 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GO3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day Oct month 95 year

☒ GAS VENTING OTHER: ☐ PRODUCT TYPE: GEOCOMPOSITE ENKANET 4215

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5091 9915	26/Oct			6	320	JJP
	5091 3917						
	5091 6909						
	5092 3919						
	5091 3911						
	5091 6906						
	NO #						
	5091 4919	26/Oct			6	320	JJP

1,656,070 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 15,360 ✓ (ft²) ACCUMULATED: 1,671,430 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 1 day 11 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ GAS VENTING PRODUCT TYPE: TENSAR / AKZO NOBLE GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	TENSAR DC 6205 50412 (08C)	1/11		SECTION 7-3A	14	225	DW
	50411 (01C)	↓		↓	↓	↓	DW
	50409 (06-C)						DW
	50411 (09-C)						DW
	50411 (09-A)						DW
	50408 (03-D)						DW
	50411 (09 D)						DW
	50412 (07 D)						DW
	50411 (06-D)	↓		↓	↓	↓	DW
	50411 (08-B)	1/11			14	225	DW
					31,500	SQ. FT. ✓	
	ENKANET 4215						
	51025902	1/11		SECTION 7-3A	6	320	DW
	51025911	1/11		"	6	320	DW
	51025905	1/11		"	6	320	DW
					5,760	SQ. FT. ✓	
	50410 03B	7/11			14	225	
	50410 03C	7/11		=	↓	↓	FT.
	50410 02A	7/11			↓	↓	
	50408 02C	7/11			14	225	2,60
	51027917	7/11		3A	6	320	
	51027905	7/11		"	6	320	
	51028908	7/11		"	6	320	5760
					43,020		
	1,671,430			TOTALS:(1)	55,620		

NOTE: (1) APPROXIMATE AREA: THIS PAGE: _____ (ft²) ACCUMULATED: 1,727,050 (ft²)

NOTES: _____

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GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 9 day NOV month 95 year
Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE/TENSAR GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51029904	9/11			SECTION	6	320	DW
	50411 8D				15	14	145	
	50409 4B				FLAT AREA	14	165	
	50411 2D				ATOP LANDFILL	14	225	
	50410 7D					14	130	
	50410 7D	9/11				14	110	DW
						(12,770)		
	51027910	10/11			SECTION	6	320	DW
	50412 9B				15	14	225	
	50411 8A				ATOP LANDFILL	14	225	
	50411 4C					14	225	
	50410 8A					14	225	
	50411 6B	10/11				14	225	DW
						(17,670)		
	51026908	11/11			SECTION	6	320	DW
	50412 3C				15	14	225	
	50409 9C				ATOP LANDFILL	14	225	
	50409 6C					14	225	
	50412 5B					14	225	
	50412 10A	11/11				14	225	DW
						(17,670)		
					TOTAL	48,110		
					TOTALS:(2)			

14 x 225 x 13 = 5760 +

1,727,050

NOTES: (1) TEMP MEASUREMENT LOCATION. (2) ~~APPROX~~ AREA: 1,776,160 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ GAS VENTING PRODUCT TYPE: TENSAR / AKZO NOBLE GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51026908	11/11		SECTION 14	16	320	DWW
	50412-03C			AT HAUL RD	14	225	
	50409-09C				14	225	
	50409-06C				14	225	
	50412-05B				14	225	
	50412-10A				13	225	DWW
	51026923	16/11		SECTION 13E BELOW	6	320	DWW
	50409-08A			HAUL RD.	14	225	
	50412-01D				14	225	
	50410-10C				14	225	
	50412-01C				14	225	
	50408-02B	16/11			14	225	DWW
	50413-01D	17/11		SECTION 12	14	205	DWW
	50412-09C				14	225	
	50408-05B				14	225	
	50411-06C				14	225	
	50412-10B				14	225	
	50410-10B	17/11			14	225	DWW
	50412-10D	18/11		SECTION 12	14	225	DWW
	50410-08B				14	225	
	50410-08B				14	225	
	50409-10D	18/11			14	225	DWW
	1,775,160			TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 66,335 (ft²) ACCUMULATED: 1,841,495 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 20 day 11 month 95 year

Drainage ☐ Gas Venting ☑ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE OR TENSAR DC 6205

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50408 05D	20/11			SECTION 12 A	14	225	DW
	50410 08D							
	50408 06C							
	50412 10C							
	50413 01B							
	50411 08C							
	50411 02C							
	50411 04A							
	50411 04B							
	50410 10D							
	50410 10A	20/11			SECTION 12-A	14	225	DW
	50411 03A	21/11			SECTION 12A	14	225	DW
	50408 04D							
	50409 09D							
	50412 02C							
	50408 03B							
	50409 09A							
	50408 04B							
	50409 05B							
	50412 02D							
	50412 02B							
	50412 03D	21/11			12A	14	225	DW

1,841,495

TOTALS:[2] 69,200 ✓

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,910,795 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG – Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☐ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE/TENSAR

PANEL NO.	BATCH / ROLL NO.		DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50412	02A	22/11			SECTION 12A	14	225	DW
	50411	10D							
	50411	03A							
	50408	03A							
	50409	05A	22/11			12A	14	225	DW
							44	~~225~~	DW
	50408	03C	27/11			SECTION 11	14	225	DW
	50409	09B							
	50409	06A							
	50411	03C							
	50411	03D							
	50412	03A							
	50412	03B							
	50409	03C							
	50411	05C							
	50409	01D							
	50409	07C							
	50409	03C	27/11			11	14	225	DW

1,910,795

TOTALS:(2) 53,590 ✓

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,964,345 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 1 day 12 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ GAS VENTING PRODUCT TYPE: TENSAR / AKZO NOBLE GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.		DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50411	62B	1/12		SECTION 11	14	225	DW
	50409	06B						
	50410	02D						
	50411	06A						
	50412	04D						
	50409	07B						
	50413	01A						
	50412	04C	1/12		SECTION 11	14	225	DW
	50411	11A	2/12		SECTION 10A	14	225	DW
	50410	01D						
	50410	01B						
	50409	04D						
	50410	04D						
	50408	05A						
	50410	05B						
	50408	05C						
17	50410	06C	2/12		SECTION 10	14	225	DW
	50409	10C	4/12		SECTION 9	14	225	DW
	50412	04B						
	50413	01C						
	50412	08A						
	50412	08D						
	50408	09D	4/12		SECTION 9	14	225	DW
	1,964,345				TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: ~ 72,450 (ft²) ACCUMULATED: 2,036,759 (ft²)

NOTES: 53 of 54

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 5 day 12 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ GAS VENTING PRODUCT TYPE: TENSAR / AKZO NOBLE GEO COMPOSITE

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50 411 10C	5/12		SECTION 9	14	225	DW

2,036,759 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 3,150 (ft²) ACCUMULATED: 2,039,945 (ft²)

NOTES: 54 of 54

SUB APPENDIX P–2

DRAINAGE LAYER

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 17 day Aug month 95 year

DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	RME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	05050 4901	17/Aug		sections 14w	6	320	JJP
	05050 1905						
	5050 1909						
	5052 8911						
	5050 4903						
	5052 7908						
	5050 8903						
	5053 8906						
	5053 9916						
	5051 3901						
	5050 1904						
	5053 9917						
	5050 1901						
	5053 7912						
	5050 1911						
	5051 2914						
	5053 9908						
	5053 9909						
	5052 8912						
	5050 7904						
	5050 3902						
	5050 9907						
	5050 9910						
	50509906						
	505 10901	17/Aug		Section 15w	6	320	JJP
	616,320			TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 48,000 ✓ (ft^2) ACCUMULATED: 664,320 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☒ DATE: 17 day Aug month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5050 9902	17/Aug		section	6	320	JJP
	5050 9911	↓		↓	↓	↓	↓
	5051 0908						
	5050 9915						
	5050 1918						
	5060 1909						

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☒ DATE: 18 day Aug month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5053 0916	18/Aug		sections 15w & 19w	6	320	JSP
	5050 7907						
	5051 1904						
	5051 2909						
	5051 2902						
	5051 1905						
	5051 0903						
	5050 7901						
	5051 1910						
	5061 0910						
	5050 9903						
	5051 2905						
	5051 0906						
	5051 0905						
	5050 8907						
	5051 0911						
	5050 7903						
	5050 4908						
	5051 0907						
	5050 9904						
	5051 0909	18/Aug		sections 15w & 19w	6	320	JSP

675,840 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 40,320 sq ft. (ft^2) ACCUMULATED: 716,160 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 05 day Sept month 95 year

DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5072 7904	05/Sep		Section 22w	6.0	320	JJP
	5071 1905						
	5061 8905						
	5061 5908						
	5071 0902						
	5070 9920						
	5062 2904						
	5061 8904						
				Daily total	15,360 sqft.		

716,160 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 15,360 (ft²) ACCUMULATED: 731,520 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 6 day SEPT month 95 year
DRAINAGE OTHER: ☒ PRODUCT TYPE: COMPOSITE ENKANET 4215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50623903	7/9		SECTIONS 22 & 23	6	320	KFD
	50622914						KFD
	50715909						KFD
	50709913						KFD
	50617915						KFD
	50611906						KFD
	50610904						KFD
	50612913						KFD
	50611904						KFD
	50617920						KFD
	50771980						KFD
	50610909						KFD
	50613919						KFD
	50622910						KFD
	50623918						KFD
	50624907						KFD
	50716912						KFD
	50715901						KFD
	50510902						KFD
	50610908						KFD
	50609922						KFD
	50610901						KFD
	50610907						KFD
	50611901						KFD
	50610905	7/9		SECTIONS 22 & 23	6	320	KFD
				TOTALS:(1)			

731,520

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 48,000 (ft²) ACCUMULATED: 779,520 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 7 day Sept month 95 year

DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50617914	7/9		SECTIONS 22B & 23	6	320	KFD
	50623912						KFD
	50625907						KFD
	50619912						KFD
	50710903						KFD
	50617900						KFD
	50617917						KFD
	50611909						KFD
	50617910						KFD
	50610911						KFD
	50617918						KFD
	50612708						KFD
	50714908	7/9		SECTIONS 22B & 23	6	320	KFD
				TOTAL 24,960 ft²			
	50512906	8/9		SECTIONS 22B & 23	6	320	KFD
	50513908						KFD
	50613922						KFD
	50709914						KFD
	50714907						KFD
	50709918	8/9		SECTIONS 22B & 23	6	320	KFD
				TOTAL 11,520 ft²			

779,520 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 36,480 (ft²) ACCUMULATED: 816,000 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GO3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 12 day Sep month 95 year
DRAINAGE OTHER: ☒ PRODUCT TYPE: COMPOSITE GNKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	RME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5083090B	12/Sep		23 & 22A	6	320	JSP
	5071903	12/Sep		SECTION 23 & 22A	↓	↓	↓
	5090 1902	12/Sep		SECTION 23 & 22A	↓	↓	↓
				Daily total	5,	760	sq ft
	5083 1902	13/Sep		SECTION 23 & 22A	6	320	JSP
	5090 4911	↓		↓	↓	↓	↓
	5083 1910	↓		↓	↓	↓	↓
	5082 7903	↓		↓	↓	↓	↓
	5090 1905	↓		↓	↓	↓	↓
	5082 6910	↓		↓	↓	↓	↓
	5083 1903	↓		↓	↓	↓	↓
	5082 1019	↓		↓	↓	↓	↓
	5090 4120	↓		↓	↓	↓	↓
				Daily total	17,	280	sq ft

816,000 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 23,040 (ft²) ACCUMULATED: 839,040

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☒ DATE: 14 day Sep month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5090 4916	14/Sep		Section ZZA & ZZE	6	320	JSP
	5090 4920						
	5070 9919						
	5090 3906						
	5090 3907						
	50827902						
	5090 4911						
	5090 4916						
	5090 4917						
	5061 3909						
	5071 6913						
	5070 9909						
	5071 6915						
	5090 3901						
	5061 1905						
	5071 5906						
	5071 5912						
	50827913						
	5090 3920						
	5090 3910						
	5071 5904						
	5061 3913						
	5090 3920						
	5090 3916			Daily Total	46,080	sqft	
				TOTALS:(1)	839,040		

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 46,080 (ft²) ACCUMULATED: 885,120 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day Sep month 95 yea
DRAINAGE OTHER: ☑ PRODUCT TYPE: COMPOSITE ENKANET 4215

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50827911	15/Sep		SECTION 19A	6	320	55
	5090 4906						
	5090 5905						
	5090 5916						
	5083 1901						
	5090 6904						
	5090 4901						
	5090 3913						
	5090 3919						
	5090 3917						
	5083 1909						
	5090 3909						
	5090 3915						
	5083 0904						
	5090 4926						
	5090 4918			Page TOTAL	30,	720	sq ft

885,120 TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 30,720 (ft²) ACCUMULATED: 915,840 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DRAINAGE OTHER: ☒ DATE: 15 day Sept month 95 year

PRODUCT TYPE: COMPOSITE ENKANET 4215

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50715902	15/Sep		SECTION 20E & 19E	6	320	JSP
	50905902						
	50904903						
	50906902						
	50901901						
	50906903						
	50830906						
	50903923						
	50904905						
	50614902						
	50904907						
	50906901						
	50905803						
	50901906						
	50903921						
				Page total	28,800		sq ft
				Previous Page total	30,720		sq ft
				Daily total	59,520		sq ft

915,840

TOTALS:(1)

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 28,800 (ft²) ACCUMULATED: 944,640 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 10 day 9 month 95 year

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50904924	18/9			15E-19E	6	320	WSH
	50827910							
	509 03905							
	50904921							
	50911901							
	509 02915							
	50902922							
	50902910							
	509 03922							
	50827907							
	509 02921							
	508 27905							
	509 02917							
	508 26911							
	509 10911							
	509 02914							
	509 11915							
	509 10904							
	508 27909							
	509 10907							
	509 02908							
	508 27908							
	508 27915							
	509 02919	↓			↓	↓	↓	↓

944,640 Total 46,080 TOTALS:(2)

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 990,720 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 18 day 9 month 95 year

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50902912	18/9			15E-19E	6	320	WSH
	50902909	↓			↓	↓	↓	↓
	50827912							
	50902903							
						7,680 SQ.FT.		

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☐ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50904924	19/Sep			section 19A	6	320	JJP
	50904921							
	50827907							
	50827910							
	50902922							
	50902921							
	50911901							
	50902910							
	50903905							
	50902915							
	50903922							
	50827905							
	NO ##	19/Sep			section 19A	6	320	JJP
					Daily total	24	960	sq ft

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 20 day Sep month 95 year

Drainage ☒ Gas Venting ☒ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50911917	20/Sep			SECTION 19E	6	320	JJP
	50902916							
	50827904							
	50911918							
	50910902							
	50910910							
	50903901							
	50910906							
	50713914							
	50827914							
	50901906							
	50902904							
	50911906							
	50904902							
	NO #	20/Sep			SECTION 19E	6	320	JJP
					Daily total	28.1	800	28 ft

1,023,360

TOTALS:(2) 28,800

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,052,160 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50911913	21/Sep			Section 15E	6	320	JJP
	50905920							
	50911910							
	50911911							
	50911904							
	50910909							
	50905918							
	50910908							
	50910905							
	50611912							
	50613911							
	50910912	21/Sep			Section 15E	6	320	JJP
					Daily total	23,040		sq ft
					TOTALS:(2)	23,040		

1,052,160

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,075,200 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP (1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5090.2902	22/Sept			Section 14G	6	320	JSP
	5091 7907							
	5091 1916							
	5091 4910							
	5091.7805							
	5091 3903	22Sept			Section 14E	6	320	JSP
					Daily total	11,	520	sqft

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GO3700 TASK NO.: 01

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 25 day Sep month 95 year

Drainage ☑ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50912919	25/Sep			Section 14E	6	320	JSP
	50915903							
	50913902							
	50915902							
	50913915							
	50915901							
	50914905							
	50914912							
	50917913							
	50914911							
	50915908							
	50905917							
	50915906							
	50913914							
	50917908							
	50916908							
	50912916							
	50913916							
	50913910							
	50914906							
	50913917							
	50915909							
	50917914							
	50914913							
	50916910	25/Sep			Section 14E	6	320	JSP

TOTALS:(2) 48,000

1,086,720

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: DAIN AREA 1,134,720 (3)

SHEET NO 37 OF 53

*GEOSYNTEC CONSULTANTS FILE NO 3-12-PPE

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5100 4918	19/Oct			Section 13 E above haul rd.	6	320	JJP
	5091 2920							
	5100 4912							
	5090 4914							
	5100 4915							
	5100 4917							
	5092 1914							
	5092 1907							
	5100 5902							
	5092 1915							
	5091 7902							
	5091 6915							
	5091 7903							
	5091 7904							
	5090 3916							
	5100 5918	19/Oct				6	320	JJP
					TOTALS:(2)			

1134,720

NOTES: (1) TEMP MEASUREMENT LOCATION: 30,720 (2) ~~APPROX~~ AREA: 1,165,440 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL
LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GQ3700 TASK NO.: 01
DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 23 day Oct month 95 year
Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	5101 3904	23/Oct			SECTION 12	6	320	JJP
	5100 6901							
	5101 3909							
	5092 1906							
	5092 1912							
	5092 1909							
	5101 2901							
	5100 6904							
	5100 6903							
	5101 4903							
	5101 3904							
	5101 3911							
	5100 6906							
	NO #							
	5101 3912							
	5100 4909							
	5101 2902							
	5090 4926							
	5101 3910							
	5091 3904							
	5101 3907							
	5100 4917							
	NO #							
	5100 4903							
	5091 1920	23/Oct				6	320	JJP
	1,165,440				TOTALS:(2)			

NOTES: (1) ~~TEMP MEASUREMENT LOCATION~~: 48,000 (2) APPROX AREA: 1,213,440 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG – Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51013901	23/Oct			SECTION 12A	6	320	JSP
	51013908							
	NO #							
	51013903							
	51013905							
	51603901							
	51012903							
	51013902							
	NO #							
	51013913	23/Oct				6	320	JSP
					TOTALS:(2)			

1,213,440

NOTES: (1) ~~TEMP MEASUREMENT LOCATION~~: 19,200 (2) APPROX AREA: 1,232,640 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE) GEOCOMPOSITE

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 24 day Oct month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: AKZO NOBLE DRAINAGE GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50613901	24/Oct		SECTION 11	6	320	JJP
	50915912			ABOVE HAUL RD			
	NO #						
	NO #						
	50916902						
	NO #						
	50917915						
	50612912						
	NO #						
	NO #						
	50913908						
	50911919						
	NO #						
	50902901						
	NO #	24/Oct			6	320	JJP
	50924921	24/OCT			6	320	DDP
	51004902	24/OCT			6	320	DDP

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TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE) GEOCOMPOSITE

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 30 day 10 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: AKZO NOBEL & TENSAR DRAINAGE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51006907	27/10		SECTION II	6	320	DDW
	50917922						
	51014901						
	50916905						
	NO ROLL #						
	50907905	27/10			6	320	DDW
					(11,520)		
	50409(05C)	27/10			14	225	DDW
	50409(05D)	27/10			14	225	DDW
	50408(07D) (9)	27/10			14	225	DDW
	50412 (06B)	30/10			14	225	DDW
	50411 (07D)						
	50412 (08C)						
	50412 (07A)						
	50412 (07B)						
	50412 (01B)						
	50408 (04A) (7)	30/10			14	225	DDW
					(31,500)		
	1,265,280			TOTALS:(1)			

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 43,020 (ft²) ACCUMULATED: 1,308,300 (ft²)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE) GEOCOMPOSITE

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 31 day 10 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☑ PRODUCT TYPE: ALTONOBEL & TENSAR DRAINAGE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51025915	31/10		SECTION 9	6	320	DDW
	51025909						
	50622903						
	51025912						
	50607903						
	51025906						
	51024904						
	51025925						
	50730904						
	51025910						
	51025908						
	51024903						
	51025916						
	51025901 (14)	31/10			6 (26,880)	320	DDW
	50408 (09B)	31/10		SECTION 10	14	225	DDW
	50412 (11D)						
	50411 (01A)						
	50412 (08B)						
	50412 (11A) (5)	31/10			14 (15,750)	225	DDW

GeoSyntec Consultants

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE) GEO COMPOSITE

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 3 day 11 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: ENKANET 4715

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	509 05 904	3/11		SECTION 10	6	320	DDW
	510 25927						
	510 24911						
	510 25922						
	510 25918						
	510 23907	3/11			6	320	DDW
	51027915	11/11		SECTION 10	6	320	DWW
	51027907	11			6	320	DWW
	5102 8923	13/11		SECTION 10	6	320	DW
	5102 5926	17/11		SECTION 9A	6	320	DWW
	5102 5905						
	510 26922						
	51027908						
	51027913						
	510 24907						
	51027903						
	510 27912						
	510 26916	17/11			6	320	DWW

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE / TENSAR GEOCOMPOSIT

PANEL NO.	BATCH / ROLL NO.	DATE (doy/mo)	TIME	TEMP[1] (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51025907	9/11			SECTION 9A BELOW HAUL RD	6	320	DW
	51025917							
	51025904							
	51023901							
	51025903							
	52024909							
	51025913							
	51025919	9/11			SECTION 9A	6	320	DW
	51024901	10/11			SECTION 9 BELOW HAUL RD	6	320	DW
	51025923							
	51025921							
	51025920							
	51026915							
	51027911							
	51027907	10/11			SECTION 9	6	320	DW
	51027915	11/11			SECTION 8	6	320	DW
17	51027902	11/11			"	6	320	DW
					TOTAL OF 32,640 SQ.FT			
	1,385,490				TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,418,130 (ft²)

GEOSYNTEC CONSULTANTS FILE NO 3-12-FPL

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 18 day NOV month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: TENSAR / ASRO NOBLE GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51026918	18/11		SECTION 9A ABOVE CHANNEL A	6	320	DWW
	51028915	↓			↓	↓	↓
	51026913						
	51026914						
	51026910						
	51026917						
1	51026919	18/11			6	320	DWW
				TOTAL TO DAY		13,440	S.F.

1,418,130

TOTALS:(1) 13,440

NOTE: (1) APPROXIMATE AREA: THIS PAGE: _____ (ft²) ACCUMULATED: 1,431,570 (ft²)

NOTES: _____

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG - Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 20 day NOV month 95 year

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE/TENSAR

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51028919	20/11			SECTION 10	6	320	DW
	5102 6901							
	5102 6920							
	5102 8920							
	5102 8921							
	5102 6912							
	5102 6909							
8	5102 8904	20/11			10	6	320	DW
	~~5010~~ 5100 6902	21/11			SECTION 9A	6	320	DW
	5102 8918	↓			↓	6	320	DW
9	5102 6911	21/11				6	320	DW
	5102 9911	22/11			SECTION 9A	6	320	DW
	5102 6904							
	5102 9905							
	5102 9903							
	5102 6906							
	5102 8925							
7	5102 9907	22/11			9A	6	320	DW

TOTALS:(2) 34,560

1,431,570

NOTES: (1) TEMP MEASUREMENT LOCATION: (2) APPROX AREA 1,466,130 (ft²)

© GEOSYNTEC CONSULTANTS FILE NO 3-12-FRE

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PLACEMENT LOG – Geocomposite

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 27 day NOV month 95 year

Drainage ☒ Gas Venting ☐ OTHER: ☐ PRODUCT TYPE: AKZO NOBLE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	51029910	27/11			SECTION 9	6	320	DW
	51028926	27/11			↓	↓	↓	DW
3	51026907	27/11						DW
						(5,760)		
	51025910	28/11			SECTION 9	6	320	DW
	51029914	28/11			"	6	320	DW
	51028922	28/11			"	6	320	DW
	50409 01C	28/11			"	14	225	DW
	50410 07E	28/11			"	14	225	DW
	50409 10A	28/11			"	14	225	DW
	50408 06A	28/11			"	14	225	DW
	50408 02A	28/11			"	14	225	DW
	50409 08C	28/11			"	14	225	DW
	50460 02C	28/11			"	14	225	DW
	50412 09D	28/11			"	14	225	DW
12	50411 04D	28/11			"	14	225	DW
						(34,110)		
	51028917	2/11			SECTION 8	6	320	DW
	51029909	↓			↓	↓	↓	↓
	51028911							
	51028913	↓			↓	↓	↓	
	51029902	2/11			SECTION 8	6	320	DW
						(9,600)		
					TOTALS:(2)	49,470		

1,466,130

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 1,515,600 (ft²)

GeoSyntec Consultants

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 5 day 12 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: AKZO / TENSAR GEOCOMPOSITE

PANEL NO.	BATCH / ROLL NO.		DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50408	04C	5/12		SECTION 12 BELOW HAUL RD.	14	225	DW
	50411	07C						
	50412	08B						
	50412	04B						
	50412	05A						
6	50411	09B	5/12		SECTION 12	14	225	DW
	50412	09A	6/12		BELOW HAUL RD SECTION 12	14	225	DW
	50412	05C						
	50408	06A						
	50410	03A						
	50408	09C						
	50412	07C						
	50411	01B						
	50412	07D			SECTION 12A			
	50412	06D						
	50412	06A						
	50411	07B						
	50408	09A						
	50411	07A						
14	50410	07B	6/12			14	225	DW

1,515,600 TOTALS:[1] 63,000

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 63,000 (ft^2) ACCUMULATED: 1,578,600 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 7 day 12 month 95 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: AK20 / TENSAR GEOCOMPOSITE

PANEL NO	BATCH / ROLL NO.	DATE (day/mo)	TIME	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50411 (02A)	7/12		12A	14	225	DDW
	50410 (06B)				14	210	
	50408 (02D)					225	
	50411 (10B)						
	50410 (07C)						
	50410 (02B)						
	50410 (06D)						
	50410 (03D)					200	
	50410 (06A)					225	
	50409 (04A)						
	50411 (10A)						
	50409 (08B)						
	50409 (07A)						
	50409 (03A)	↓		↓	↓	210	↓
	51028909	7/12		12A	6	320	DDW

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 3 month 1996 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: AKZO / TENSAR

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
AKZO	51027906	28-3		Section 9	6'	320'	J.K.
"	51027920	28-3		↓	6'	320'	J.K.
TENSAR	50464-04-D.	28-3		↓	14'	175'	J.K.
TENSAR	50464-04-B.	1-4		Sections 9 & 10	14'	175'	J.K.
↓	50464-15-A.	1-4		↓	14'	175'	J.K.
	50464-10-E.	1-4			14'	175'	J.K.
	50464-13-D.	1-4			14'	175'	J.K.
	50464-06-D.	1-4			14'	175'	J.K.
	50464-08-A	1-4		↓	14'	175'	J.K.
TENSAR	50409-08-D.	3-4		Section #7	14'	225'	J.K.
"	50464-09-A.	3-4		" "	14'	175'	J.K.
"	50464-02-B	4-4		Sections #7 & 8	14'	175'	J.K.
"	50464-02-E	4-4		" "	14'	175'	J.K.
"	50464-02-D.	4-5		Sections #7 & 8	14'	175'	J.K.
"	50464-03-C.	4-5		" "	14'	175'	J.K.
"	50464-04-E.	9-4		Sections #7 & 8	14'	175'	J.K.
"	50464-15-D.	9-4		" "	14'	175'	J.K.
"	50464-02-C.	9-4		" "	14'	175'	J.K.
"	50464-15-C.	9-4		" "	14'	175'	J.K.
1,621,050				TOTALS:(1)	250'	3,665	

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 46,190 (ft^2) ACCUMULATED: 1,667,240 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day APRIL month 1996 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: TENSAR

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50464-15-B.	15-4		SECTIONS #7 & 8.	14'	175'	J.K.
	50464-10-A.	15-4		" "	14'	175'	J.K.
	50464-12-B	15-4		" "	14'	175'	J.K.
	50464-12-C.	15-4		" "	14'	175'	J.K.
	50464-11-B	18-4		SECTIONS 7 & 3A.	14'	175'	J.K.
	50464-11-A.	18-4		" "	14'	175'	J.K.
	50464-08-D.	18-4		" "	14'	175'	J.K.
	50464-12-E.	18-4		" "	14'	175'	J.K.
	50464-10-D.	19-4		SECTION #3A.	14'	175'	J.K.
	50464-12-A.	19-4		" "	14'	175'	J.K.
	50464-08-C.	19-4		" "	14'	175'	J.K.
	50464-10-C	22-4		SECTION 3A.	14'	175'	J.K.
	50464-11-C.	22-4		" "	14'	175'	J.K.
	50464-03-B.	22-4		" "	14'	175'	J.K.
	50464-01-E.	22-4		" "	14'	175'	J.K.
	50464-03A.	23-4		SECTIONS 3A & 3.	14'	175'	J.K.
	50464-08-B.	23-4		" "	14'	175'	J.K.
	50464-05-C.	23-4		" "	14'	175'	J.K.
	50464-06-E.	23-4		" "	14'	175'	J.K.
	NO FURTHER ENTRIES THIS PAGE.						
				TOTALS:(1)			

1,667,240

NOTE: (1) APPROXIMATE AREA: THIS PAGE: 46,550 (ft^2) ACCUMULATED: 1,713,790 (ft^2)

NOTES:

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 25 day APRIL month 1996 year

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ DRAINAGE PRODUCT TYPE: TENSAR.

~~PANEL NO.~~	BATCH / ROLL NO.	DATE (day/mo)	~~TIME~~	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
	50464-13A.	25-4		SECTIONS 3 & 3A.	14'	175'	J.K.
	50464-05-E.	25-4		" "	14'	175'	J.K.
	50464-01-C.	25-4		" "	14'	175	J.K.
	50464-06-A	26-4		SECTION #-3	14'	175'	J.K.
	50464-03-E.	26-4		" "	14'	175'	J.K.
	50464-12-D	26-4		" "	14'	175'	J.K.
	50464-04-A.	26-4		" "	14'	175'	J.K.
	50464-01-D.	26-4		" "	14'	175'	J.K.

APPENDIX Q

GEOMEMBRANE PANEL

PLACEMENT LOG

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

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 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
1	042095/3032049	26/4	7:45	56	TEST PAD (13A-13E)	22.0	155.0	MT
2	042095/3032049	↑	8:00	59	↑	↑	153.0	MT
3	042095/3032049	↑	8:40	61	↑	↑	146.0	MT
4	042095/3032048	↑	10:10	61	↑	↑	143.0	GD
5	042095/3032048	↑	10:35	62	↑	↑	141.0	MT
6	042095/3032048	↓	13:00	70	↓	↓	139.0	MT
					TOTAL ft² DEPLOYED		19,294 ft²	
7	3032050	4/5	9:45	60	BELOW TEST PAD	22.0	103	GD
8	3032050	↑	10:20	63	↑	↑	97	MT
9	3032050	↑	11:00	65	↑	↑	91	MT
10	3032050	↑	11:20	66	↑	↑	91	MT
11	3032050	↑	12:50	70	↑	↑	90	MT
12	3032050	↓	13:15	70	↓	↓	91	MT
					TOTAL ft² DEPLOYED		10,384 sq ft.	
13	5029763	8/5	8:00	45	ABOVE TEST PAD	22.0	78	MT
14	5029763	↑	8:20	48	↑	↑	87	MT
15	5029763	↑	8:45	51	↑	↑	95	MT
16	5029763	↑	9:00	56	↑	↑	102	MT
17	5029763	↑	9:30	57	↑	↑	105	MT
18	5029763	↓	10:30	60	↓	↓	114	MT
					TOTAL ft² DEPLOYED		12,782 sq ft.	
						TOTALS:[2]		

NOTES: (1) TEMP MEASUREMENT LOCATION: 6" ABOVE LINER (2) APPROX AREA: 42,460 sq ft (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

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
PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
19	5030145	8/6	8:05	76°	BETWEEN 5&6	22.0	442	MT
20	5030144	8/6	11:30	83°	BETWEEN 5&6	22.0	442	MT
					TOTAL ft² DEPLOYED		19,448 sq ft.	
21	05030147	9/6	13:15	81	BETWEEN 5&6	22.0	442	MT
					TOTAL ft² DEPLOYED		9,724 sq ft	
22	05030121	14/6	8:00	67	BETWEEN 5&6	22.0	438	MT
23	05030143	↓	9:45	67	↓	↓	443	MT
24	05030154		10:50	67			446	MT
25	05030155	↓	13:30	72	ALONG LINE 5	↓	445	MT
					TOTAL ft² DEPLOYED		38,984 sq ft	
26A	05030190	15/6	8:00	71	BETWEEN 5&4A	22.0	281	MT
					TOTAL ft² DEPLOYED		6,182 sq ft.	
~~27~~	KRD ~~05030200~~							
27	05030200	16/6	7:50	67	BETWEEN 5&4A	22.0	447	MT
26B	05030190	↑	9:00	72	↑	↑	165	GD
28	05030146		10:00	75			447	MT
29	05030148	↓	13:15	81	↓	↓	438	MT
					TOTAL ft² DEPLOYED		32,934	
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: 6" ABOVE LINER (2) APPROX AREA: 149,732 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 7 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40MIL VLDPE

1-B EXTENSION OF PREVIOUSLY DEPLOYED PANEL S[illegible]

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
23	05030143	28/7	PM	84		22.0	7	HL
24	05030154	↑	↑	↑		↑	7	HL
25	05030155						17	HL
27	05030200						20	HL
28	05030146						25	HL
29	05030148	↓	↓	↓		↓	36	HL
					TOTAL FT² DEPLOYED	2,964 FT²		
					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 152,196 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 21 day 6 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
30A	5030123	21/6	10:30	69	BETWEEN 5 & 6	22.0	257	MT
30B	5030123		11:06	71			180	MT
31	5030122		13:58	71			400	MT
					TOTAL ft² DEPLOYED	18,414	ft²	
32	05030128	22/6	12:45	82	BETWEEN 5 & 6	22.0	335	MT
33	05030184	22/6	13:40	83	BETWEEN 5 & 6	22.0	335	MT
					TOTAL ft² DEPLOYED	14,740	ft²	
34	05030746	23/6	10:40	68	BETWEEN 5 & 6	22.0	284	MT
35	05030746		12:45	75			280	MT
36	05080183		14:10	74			275	MT
					TOTAL ft² DEPLOYED	18,457	ft²	
37	A05030183	29/6	7:45		WEST CLOSURE	22.0	245	HL
38	B03033284		9:00				225	HL
39	B03033284		10:10				189	HL
40	03033260		13:00				148	HL
41	03033260		13:30				112	HL
42	03033260		14:05				75	HL
43	03033260		14:40				38	HL
44	03033260		14:50				26	HL
45	03033260		15:05				18	HL
					TOTAL ft² DEPLOYED	23,672	ft²	
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 227,479 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 30 day 6 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: ADMIL VLOPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
46	03033260	30/6	7:55		NORTH CLOSURE	22.0	52	HL
47	03033282		8:20				75	HL
48	03033282		8:45				90	HL
49	03033282		9:45			22.0	121	HL
49A	03033282		11:00			3.0	34	HL
50	03033282		10:40			22.0	144	HL
50A	03033282		14:00			3.0	47	HL
51	03033282		10:55			22.0	20	HL
52	03033282		11:25				68	HL
53	03033289		12:45				135	HL
54	03033289		13:15				86	HL
55	03033289		13:50				156	HL
56	03033289		15:00				83	HL
					TOTAL FT² DEPLOYED	24,399	ft²	
57	03033290	3/7	7:20			22.0	200	HL
58	03033290	3/7	8:15			22.0	95	HL
59	03033290	3/7	9:00			22.0	218	HL
					TOTAL FT² DEPLOYED	11,286	ft²	
60	03033273	5/7	7:30			22.0	288	HL
61	03033273	5/7	8:15			18.0	49	HL
62	03033273	5/7	8:20			22.0	243	HL
63	03033229	5/7	9:08			22.0	128	HL
					FT² DEPLOYED	15,380		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 278,544 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 5 day 7 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F/°C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
64	03033229				DELETED			
65	03033229	5/7	9:45			22	59	HL
66	03033229	5/7	10:15			12	27	HL
					TOTAL ft² DEPLOYED	1622		
67	03033229	6/7		7:25		22	351	HL
68	03033220			8:25			392	HL
69	03033220			9:00			213	HL
70	03033223			10:15			165	HL
71	03033223			11:05			377	HL
72	03033235			13:40			376	HL
73	03033241	↓		15:35		↓	372	HL
					TOTAL ft² DEPLOYED	49412		
74	03033226	7/7		8:20		22	341	HL
75	03033226			9:15		22	93	HL
76	03033241			10:00		17	111	HL
77	03033241			10:05		3	27	HL
78	03033241			10:15		5	108	HL
79	03033241			10:20		22	9	HL
80	03033241			10:30		22	16	HL
81	03033241			10:45		22	20	HL
82	03033241	↓		11:00		22	15	HL
					TOTAL ft² DEPLOYED	11,516		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 34,094 (ft²)

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TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 13 day 7 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
83	03033242	13/7	8:45			22	448	HL
84	03033236	13/7	10:20			22	448	HL
					TOTAL ft² DEPLOYED	19,712		
85	03033222	14/7	8:10			22	453	HL
86	03033223		9:00			22	455	HL
87	03033225		10:45			3	31	HL
88	03033225		11:15			22	319	HL
					TOTAL ft² DEPLOYED	27,631		
89	03033244	17/7	10:00			22	290	HL
90	03033244		12:50				3	HL
91	03033244		13:00				227	HL
92	03033244		13:20				25	HL
93	03033212		14:45				210	HL
94	03033212		16:38				169	HL
					TOTAL ft² DEPLOYED	20,328		
95	3033221	26/7	8:38	80		22	375	HL
96	3033221		9:05	80		22	116	HL
97	3033221		9:14	80		22	77	HL
98	3033221		9:30	83		16	28	HL
99	3033221		12:00	85		13	22	HL
100	3033227	—	13:09	85		22	55	HL
					ft² DEPLOYED	14,440		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 423,265 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 7 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
101	03033227	26/7	13:29	85		22	66	HL
102	03033227	26/7	13:49	85		22	49	HL
					TOTAL FT² DEPLOYED	2530		
103	03033227	27/7	7:47	80		22	170	HL
104	03033210	↑	8:16	80		↑	217	HL
105	03033210		8:57	83			253	HL
106	03033215		10:08	85			272	HL
107	03033215		12:46	85			265	HL
108	03033219		13:30	85			58	HL
109	03033219	↓	13:46	85		↓	354	HL
					TOTAL FT² DEPLOYED	35,354		
110	03033236	28/7	14:30	84	EXT. WELD	22	29	HL
111	03033236	↑	14:45	↑	↑	↑	29	HL
112	03033222		15:00				25	HL
113	03033219		15:15				22	HL
114	03033219	↓	15:30	↓	↓	↓	16	HL
					TOTAL FT² DEPLOYED	2,662		
115	03033208	29/7	7:45	75	SECTION 18	22	365	KFD
116	03033218	↑	8:25	78	↑	↑	374	KFD
117	03033328		9:56	80			380	KFD
118	03033315	↓	12:43	84	↓	↓	370	KFD
					TOTAL FT² DEPLOYED	32,758		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 496,509 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 31 day 7 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 MIL VLOPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
119	03033264	31/7	9:46	79	SECTION 13W TO 18	22	375	KFD
120	03033237		12:45	83		22	318	KFD
121	03033237		13:43	85		22	289	KFD
122	03033240		15:45	86		22	305 KFD	HL
123	03033240		15:49	86		18	36	KFD
124	03033240		16:25	90		22	31	KFD
125	03033240		16:28	90		22	169	KFD
126	03033264		17:05	90		22	181	HL
					TOTAL ft² DEPLOYED	38,258		
127	03033328	1/8	8:10	76		22	138	HL
128	03033315		8:40	77		22	76	HL
129	03033315		9:00	79		22	40	HL
130	03033315		9:05	82		6	15	HL
131	03033278		12:40	92		22	318	HL
					TOTAL ft² DEPLOYED	12,674		
132	03033257	2/8	7:40	76		22	319	HL
133	03033257		8:10	80			205	HL
134	03033257 87 KFD		8:30	80			2	HL
135	03033257		8:35	80			8	HL
136	03033278		12:50	99			148	HL
137	03033211		13:50	99			99	HL
138	03033211		14:10	99		19	70	HL
					TOTAL ft² DEPLOYED	18,512		
					TOTALS:(2)			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 565,953 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 3 day 8 month 95 year

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
139	30330193	3/8	7:35	80		22	~~289~~ 256	HL
140	30330199		9:00	84			~~257~~ 283	HL
141	30330182		9:45	84			284	HL
142	30330182		10:40	86			293	HL
143	30330181		14:40	92			289	HL
144	05030193		8:15	82	ADD ON TO 94		34	HL
145	05030193		8:15	82	ADD ON TO 97		41	HL
146	05030193	↓	8:15	82	ADD ON TO 48-96	18	43	HL
					TOTAL ft² DEPLOYED	33,274		
147	05030181	4/8	7:30	75		22	286	HL
148	05030191		8:15	78			285	HL
149	05030191		8:50	81			285	HL
150	05030198		10:00	86			286	HL
151	05030198		11:30	90			280	HL
152	05030198		13:30	94			124	HL
153	05030199	—	14:00	94		—	283	HL
					TOTAL ft² DEPLOYED	39,990		
154	05030199	8/8	8:30	66		22	296	HL
155	05030197		8:45	68			294	HL
156	05030197		10:30	~~69~~ 70 KFO			296	HL
157	05030194		11:13	72			299	HL
158	05030194	—	12:50	78			300	HL
					~~ft²~~ DEPLOYED	32,538		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 671,755 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
159	05036097	8/8	13:55	80		22	302	HL
160	05030097		15:00	84			305	HL
161	05029749		15:50	84			305	HL
162	05029749		16:50	82			305	HL
					TOTAL ft² DEPLOYED	26,779		
163	05030099	10/8	8:20	71		22	302	HL
164	05030099		10:20	78		22	297	HL
165	05030092		12:55	80		22	297	HL
166	05030092		15:00	87		14	142	HL
KPD 167	05030092		15:35	87		22	297	HL
168	05030095		16:55	85		22	295	HL
					TOTAL ft² DEPLOYED	34,724		
169	05030095	11/8	9:00	77		22	291	HL
170	05030093		10:20	82			288	HL
171	05030093		13:00	85			289	HL
172	05030091		14:50	87			282	HL
					TOTAL ft² DEPLOYED	25,300		
173	05030091	14/8	8:17	77		22	267	HL
174	05030104		9:35	78			259	HL
175	05030104		10:25	86			245	HL
176	05030103	—	10:45	86			236	HL
					ft² DEPLOYED	22,044		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 180,602 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40MIL VLDPE

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP[1] (°F / °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
177	05030103	14/8	11:20	86		22	228	HL
178	05030044		12:50	91			220	HL
179	05030044		14:40	91			212	HL
180	03033238		16:20	88			203	HL
181	03033238		16:45	82			193	HL
					TOTAL ft² DEPLOYED	23,232		
182	03033238	15/8	9:55	85		22	183	HL
183	03033250		10:15	85			171	HL
184	05030044		11:00	92			159	HL
185	05030184		13:15	92			152	HL
186	05030103		13:35	87			131	HL
187	05030976(?)		15:40	87			134	HL
188	05030976(?)		15:45	87			124	HL
189	05030976(?)		15:50	87			12	HL
					TOTAL ft² DEPLOYED	23,452		
					TOTALS:[2]			

NOTES: (1) TEMP MEASUREMENT LOCATION: _____ (2) APPROX AREA: 827,286 (ft²)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PANEL PLACEMENT LOG (WITH TEMPERATURE)

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

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 mil Textured (Gundle)

PANEL NO.	BATCH / ROLL NO.	DATE (day/mo)	TIME	TEMP(1) (°F) °C)	PLACEMENT LOCATION COMMENTS	APPROX WIDTH (ft)	APPROX LENGTH (ft)	QA ID
26R	5030196	9/8	0804	70	154 - 280	22	120	KFD
25R	↓	↓	0829	70	" - 278	↓	↓	KFD
24R			0847	72	" - 278			KFD
23R			0923	75	" - 276			KFD
22R			0951	75	" - 278			KFD
					TOTALS:(2)	110	600	

NOTES: (1) TEMP MEASUREMENT LOCATION: — (2) APPROX AREA: 13,200 (ft^2)

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE PANEL PLACEMENT LOG

DATE	TIM	LOCATION	PANEL NUMBER	ROLL NUMBER	TEMPERATURE (F)	THICKNESS (mil)	LENGTH (ft)	WIDTH (ft)	AREA (ft^2)	QA_ID
8/21/95	855	19A - 19E	190	5029760	78	40	415.0	22.0	9,130	JJP
8/21/95	1052	19A - 19E	191	3033197	78	40	417.5	22.0	9,185	JJP
8/21/95	1300	19A - 19E	192	3033217	79	40	413.5	22.0	9,097	JJP
8/21/95	1415	19A - 19E	193	3033281	80	40	412.5	22.0	9,075	JJP
8/22/95	800	19A - 19E	194	5030186	79	40	412.5	22.0	9,075	JJP
8/22/95	940	19A - 19E	195	3033277	80	40	404.0	22.0	8,888	JJP
8/22/95	1300	19E - 20E	196	5029752	80	40	402.5	22.0	8,855	JJP
8/22/95	1505	19E - 20E	197	5029744	80	40	399.5	22.0	8,789	JJP
8/22/95	1620	19E - 20E	198	5030185	81	40	395.5	22.0	8,701	JJP
8/23/95	1100	19E - 20E	199	5030195	81	40	395.0	22.0	8,690	JJP
8/23/95	1300	19E - 20E	200	5030201	81	40	268.0	22.0	5,896	JJP
8/23/95	1430	19E - 20E	201	5030201	81	40	161.0	22.0	3,542	JJP
8/23/95	1500	19E - 20E	202	5030201	80	40	100.0	22.0	2,200	JJP
8/23/95	1550	20E - 21E	203	5030096	79	40	381.0	22.0	8,382	JJP
8/24/95	830	20E - 21E	204	5029747	80	40	369.0	22.0	8,118	JJP
8/24/95	1010	20E - 21E	205	5030106	81	40	363.0	22.0	7,986	JJP
8/24/95	1330	20E - 21E	206	5029750	78	40	355.0	22.0	7,810	JJP
8/25/95	1125	20E - 21E	207	5029783	80	40	354.5	22.0	7,799	JJP
8/25/95	1330	20E - 21E	208	5030094	80	40	344.5	22.0	7,579	JJP
8/25/95	1450	20E - 21E	209	5030105	81	40	334.5	22.0	7,359	JJP
8/25/95	1720	20E - 21E	210	5030204	81	40	328.0	22.0	7,216	JJP
8/26/95	948	20E - 21E	211	5030205	80	40	320.5	22.0	7,051	JJP
8/26/95	1040	20E - 21E	212	5030173	82	40	299.5	22.0	6,589	JJP
8/26/95	1305	21E - 22E	213	3033258	81	40	282.5	22.0	6,215	JJP
8/28/95	800	21E - 22E	214	3033258	80	40	277.5	22.0	6,105	JJP
8/28/95	855	21E - 22E	215	3033198	79	40	274.5	22.0	6,039	JJP
8/28/95	1310	21E - 22E	216	3033198	79	40	269.0	22.0	5,918	JJP
8/28/95	1400	21E - 22E	217	5029761	79	40	255.0	22.0	5,610	JJP
8/28/95	1650	21E - 22E	218	3033204	79	40	241.0	22.0	5,302	JJP
8/28/95	1730	22E - 22A	219	3033204	79	40	236.0	22.0	5,192	JJP
8/30/95	1030	22E - 22A	220	5030199	80	40	183.0	22.0	4,026	JJP
8/30/95	1110	22E - 22A	221	5030102	80	40	240.0	22.0	5,280	JJP
8/30/95	1245	22E - 22A	222	5030102	81	40	159.0	22.0	3,498	JJP
8/30/95	1315	22A - 23	223	5030102	82	40	159.0	22.0	3,498	JJP
8/30/95	1430	22A - 23	224	3033227	82	40	94.0	22.0	2,068	JJP
8/30/95	1520	22A - 23	225	5030199	81	40	62.0	22.0	1,364	JJP
8/30/95	1530	22A - 23	226	3033227	81	40	36.0	22.0	792	JJP
8/30/95	1540	22A - 23	227	5030199	80	40	12.0	22.0	264	JJP
8/31/95	900	22A - 23	228	5030173	80	40	188.0	22.0	4,136	NMB
8/31/95	950	22A - 23	229	5030205	80	40	130.0	22.0	2,860	NMB
8/31/95	1000	23 - 22B	230	5030173	80	40	70.0	22.0	1,540	NMB
8/31/95	1015	23 - 22B	231	5030173	80	40	19.0	22.0	418	NMB
8/31/95	1030	23 - 22B	232	5030128	80	40	176.0	22.0	3,872	NMB
8/31/95	1130	23 - 22B	233	5029762	80	40	133.0	22.0	2,926	WJH
8/31/95	1245	23 - 22B	234	5030122	80	40	101.0	22.0	2,222	WJH
8/31/95	1322	23 - 22B	235	5030145	80	40	73.0	22.0	1,606	WJH
8/31/95	1330	23 - 22B	236	5030128	80	40	40.0	22.0	880	WJH
8/31/95	1339	23 - 22B	237	5030205	80	40	10.0	22.0	220	WJH
8/31/95	1350	23 - 22B	238	3033208	80	40	105.0	22.0	2,310	WJH
8/31/95	1445	23 - 22B	239	5030158	80	40	77.0	22.0	1,694	WJH
8/31/95	1515	23 - 22B	240	5030205	80	40	65.0	22.0	1,430	WJH
8/31/95	1610	23 - 22B	241	5030158	80	40	9.0	22.0	198	WJH
9/1/95	1254	23 - 22B	242	5030106	81	40	131.0	22.0	2,882	WJH
9/1/95	1500	20W - 21W	243	5030185	82	40	82.0	22.0	1,804	WJH
9/1/95	1045	20W - 21W	244	3033226	80	40	119.0	22.0	2,618	WJH
9/5/95	1245	20W - 21W	245	3033235	82	40	82.0	22.0	1,804	WJH
9/5/95	1253	20W - 21W	246	3033235	82	40	9.0	22.0	198	WJH
9/8/95	820	13A - 14E	247	5030203	78	40	366.0	22.0	8,052	WJH
9/8/95	900	13A - 14E	248	5030101	78	40	362.0	22.0	7,964	WJH
9/8/95	1025	13A - 14E	249	5030101	76	40	75.0	22.0	1,650	WJH
9/8/95	1045	13A - 14E	250	5030101	76	40	44.0	12.0	528	WJH

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE PANEL PLACEMENT LOG

DATE	TIM	LOCATION	PANEL NUMBER	ROLL NUMBER	TEMPERATURE (F)	THICKNESS (mil)	LENGTH (ft)	WIDTH (ft)	AREA (ft^2)	QA_ID
9/8/95	1110	13A - 14E	251	5030101	76	40	66.0	12.0	792	WJH
9/9/95	736	14E - 15E	252	3033283	74	40	375.0	22.0	8,250	WJH
9/9/95	825	14E - 15E	253	3033231	74	40	385.0	22.0	8,470	WJH
9/9/95	900	14E - 15E	254	3033248	75	40	395.0	22.0	8,690	WJH
9/9/95	1115	14E - 15E	255	3033239	78	40	403.0	22.0	8,866	WJH
9/9/95	1330	14E - 15E	256	3033265	79	40	408.0	22.0	8,976	WJH
9/9/95	1430	14E - 15E	257	3033266	79	40	409.0	22.0	8,998	WJH
9/11/95	830	15E - 19A	258	3033280	65	40	409.0	22.0	8,998	WJH
9/11/95	930	15E - 19A	259	5030090	69	40	410.0	22.0	9,020	WJH
9/11/95	1100	15E - 19A	260	5030206	70	40	411.0	22.0	9,042	WJH
9/11/95	1345	15E - 19A	261	3033218	75	40	421.0	22.0	9,262	WJH
9/11/95	1445	15E - 19A	262	5029784	75	40	436.0	22.0	9,592	WJH
9/11/95	1545	15E - 19A	263	5033232	75	40	430.0	22.0	9,460	WJH
9/11/95	1710	15E - 19A	264	3033245	75	40	388.0	22.0	8,536	WJH
9/12/95	730	15E - 19A	265	3033245	68	40	42.0	22.0	924	WJH
9/12/95	800	15E - 19A	266	5029757	68	40	323.0	22.0	7,106	WJH
9/12/95	830	15E - 19A	267	5029757	68	40	257.0	22.0	5,654	WJH
9/12/95	930	15E - 19A	268	3033283	70	40	186.0	22.0	4,092	WJH
9/12/95	1030	15E - 19A	269	3033231	73	40	112.0	22.0	2,464	WJH
9/12/95	1030	15E - 19A	270	3033231	75	40	62.0	9.5	589	WJH
9/12/95	1100	15E - 19A	271	3033231	75	40	13.0	19.0	247	WJH
9/12/95	1130	15E - 19A	272	3033231	75	40	8.0	18.5	148	WJH
9/12/95	1330	15E - 19A	273	5029744	75	40	182.0	22.0	4,004	WJH
9/12/95	1400	15E - 19A	274	5029752	75	40	188.0	22.0	4,136	WJH
9/12/95	1430	15E - 19A	275	5030186	75	40	179.0	22.0	3,938	WJH
9/12/95	1445	15E - 19A	276	3033208	75	40	58.0	10.0	580	WJH
9/12/95	1510	15E - 19A	277	3033208	75	40	43.0	10.0	430	WJH
9/12/95	1530	15E - 19A	278	3033208	75	40	33.0	10.0	330	WJH
9/12/95	1600	15E - 19A	279	3033277	75	40	17.0	10.0	170	WJH
9/15/95	930	15E - 19A	280	3033200	80	40	37.0	22.0	814	JJP
9/15/95	1100	15E - 19A	281	3033200	80	40	16.0	22.0	352	JJP
9/16/95	1030	02 - 3	282	3033255	70	40	392.5	22.0	8,635	WJH
9/16/95	1115	02 - 3	283	3030047	72	40	295.0	22.0	6,490	WJH
9/16/95	1245	02 - 3	284	5030047	75	40	171.0	22.0	3,762	WJH
9/16/95	1345	02 - 3	285	5030047	75	40	17.0	5.0	85	WJH
9/16/95	1425	02 - 3	286	5030047	75	40	16.0	5.0	80	WJH
9/21/95	1434	02 - 3	287	5029759	75	40	455.0	22.0	10,010	WJH
9/28/95	1030	13E - 12	288	5039787	72	0	107.0	22.0	2,354	NMB
9/28/95	1045	13E - 12	289	5039787	72	40	128.0	22.0	2,816	NMB
9/28/95	1115	13E - 12	290	5039787	72	40	122.5	22.0	2,695	NMB
9/28/95	1115	13E - 12	291	5039787	72	40	57.0	22.0	1,254	NMB
9/28/95	1119	13E - 12	292	5039787	72	40	62.0	22.0	1,364	NMB
9/28/95	1120	13E - 12	293	5039787	72	40	71.5	22.0	1,573	NMB
9/28/95	1520	13E - 12	294	3033245	72	40	176.5	22.0	3,883	NMB
9/28/95	1540	13E - 12	295	5030204	72	40	243.0	22.0	5,346	NMB
9/28/95	1554	13E - 12	296	5030204	72	40	27.5	22.0	605	NMB
9/28/95	1615	13E - 12	297	5030094	72	40	255.0	22.0	5,610	NMB
9/28/95	1630	13E - 12	298	5030123	72	40	20.5	22.0	451	NMB
9/28/95	1645	13E - 12	299	5029783	72	40	234.0	22.0	5,148	NMB
9/28/95	1720	13E - 12	300	5030123	70	40	13.5	22.0	297	NMB
9/28/95	1745	13E - 12	301	3033315	70	40	46.0	22.0	1,012	NMB
9/29/95	1310	12 - 12A	302	5030193	70	40	189.0	22.0	4,158	NMB
9/29/95	1340	12 - 12A	303	5030203	70	40	214.0	22.0	4,708	NMB
9/29/95	1425	12 - 12A	304	5029784	70	40	104.0	22.0	2,288	NMB
9/29/95	1440	12 - 12A	305	5030144	70	40	90.5	22.0	1,991	NMB
9/29/95	1530	12 - 12A	306	5030144	70	40	66.5	22.0	1,463	NMB
9/30/95	730	12A - 11	307	5029780	65	40	253.0	22.0	5,566	NMB
9/30/95	755	12A - 11	308	5029780	65	40	328.0	22.0	7,216	NMB
9/30/95	815	12A - 11	309	5029780	65	40	23.5	22.0	517	NMB
9/30/95	830	12A - 11	310	5030043	65	40	328.0	22.0	7,216	NMB
9/30/95	850	12A - 11	311	5030043	65	40	280.0	22.0	6,160	NMB

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DATE	TIM	LOCATION	PANEL NUMBER	ROLL NUMBER	TEMPERATURE (F)	THICKNESS (mil)	LENGTH (ft)	WIDTH (ft)	AREA (ft^2)	QA_ID
9/30/95	905	12A - 11	312	3033244	65	40	71.5	22.0	1,573	NMB
9/30/95	1000	12A - 11	313	5030115	65	40	363.5	22.0	7,997	NMB
9/30/95	1100	12A - 11	314	5029758	65	40	374.0	22.0	8,228	NMB
9/30/95	1330	12A - 11	315	5029770	68	40	371.0	22.0	8,162	NMB
10/2/95	730	12A - 11	316	5029769	68	40	373.0	22.0	8,206	WJH
10/2/95	945	12A - 11	317	5029774	75	40	378.0	22.0	8,316	WJH
10/2/95	1035	12A - 11	318	5029774	75	40	216.0	14.0	3,024	WJH
10/2/95	1045	12A - 11	319	5029774	77	40	18.0	3.0	54	WJH
10/2/95	1100	12A - 11	320	5030115	77	40	31.5	22.0	693	WJH
10/2/95	1105	12A - 11	321	5030115	78	40	86.0	22.0	1,892	WJH
10/2/95	1120	12A - 11	322	5030115	78	40	15.5	6.0	93	WJH
10/2/95	1503	11 - 11A	323	5029764	85	40	392.0	22.0	8,624	WJH
10/3/95	840	11 - 11A	324	3033251	76	40	403.5	22.0	8,877	WJH
10/3/95	1015	11 - 11A	325	3033252	78	40	408.0	22.0	8,976	WJH
10/3/95	1245	11 - 11A	326	5029768	82	40	409.0	22.0	8,998	WJH
10/3/95	1345	11 - 11A	327	3033256	82	40	409.0	22.0	8,998	WJH
10/3/95	1515	11 - 11A	328	5030192	82	40	423.0	22.0	9,306	WJH
10/4/95	745	11A - 10	329	3033288	68	40	428.0	22.0	9,416	WJH
10/4/95	905	11A - 10	330	3033233	69	40	54.0	22.0	1,188	WJH
10/4/95	915	11A - 10	331	5030115	69	40	31.5	22.0	693	WJH
10/4/95	945	11A - 10	332	3033233	70	40	14.0	22.0	308	WJH
10/4/95	1052	11A - 10	333	3033246	70	40	393.0	22.0	8,646	WJH
10/9/95	1340	11A - 10	334	3033285	72	40	387.0	22.0	8,514	RI
10/10/95	830	10 - 9	335	3033291	70	40	435.0	22.0	9,570	DDW
10/10/95	910	10 - 9	336	3033292	70	40	352.0	22.0	7,744	DDW
10/10/95	1030	10 - 9	337	3033287	70	40	289.0	22.0	6,358	DDW
10/10/95	1055	10 - 9	338	3033287	70	40	25.0	22.0	550	DDW
10/10/95	1105	10 - 9	339	3033287	70	40	251.0	22.0	5,522	DDW
10/10/95	1305	10 - 9	340	3033292	72	40	231.0	22.0	5,082	RI
10/10/95	1330	10 - 9	341	2059770	72	40	211.0	22.0	4,642	RI
10/10/95	1400	10 - 9	342	3033292	72	40	34.0	22.0	748	RI
10/10/95	1430	10 - 9	343	3033291	72	40	135.0	22.0	2,970	RI
10/10/95	1450	10 - 9	344	3033285	72	40	116.0	22.0	2,552	RI
10/10/95	1525	10 - 9	345	3033291	72	40	78.0	22.0	1,716	RI
10/10/95	1545	10 - 9	346	3033291	72	40	13.0	22.0	286	RI
10/10/95	1600	10 - 9	347	3033287	72	40	21.0	22.0	462	RI
10/10/95	1615	10 - 9	348	3033287	72	40	20.5	22.0	451	RI
10/10/95	1645	10 - 9	349	3033286	72	40	470.0	22.0	10,340	RI
10/11/95	1400	9 - 8	350	3033214	70	40	446.0	22.0	9,812	NMB
10/12/95	750	9 - 8	351	3033213	70	40	431.0	22.0	9,482	RI
10/12/95	850	9 - 8	352	5030043	70	40	346.5	22.0	7,623	RI
10/12/95	830	9 - 8	353	5029782	70	40	4.0	22.0	88	RI
10/12/95	1000	9 - 8	354	5029782	70	40	297.0	22.0	6,534	RI
10/12/95	1045	9 - 8	355	5029782	70	40	276.0	22.0	6,072	RI
10/12/95	1245	9 - 8	356	5030043	70	40	246.0	22.0	5,412	RI
10/12/95	1300	9 - 8	357	5030043	70	40	11.5	22.0	253	RI
10/12/95	1350	9 - 8	358	5030144	70	40	200.0	22.0	4,400	RI
10/12/95	1445	9 - 8	359	5030144	70	40	178.0	22.0	3,916	RI
10/12/95	1545	9 - 8	360	5029758	70	40	146.0	22.0	3,212	RI
10/12/95	1600	9 - 8	361	3033213	70	40	96.5	22.0	2,123	RI
10/12/95	1630	9 - 8	362	3033213	70	40	10.0	22.0	220	RI
10/12/95	1645	9 - 8	363	5029758	70	40	59.0	22.0	1,298	RI
10/12/95	1700	9 - 8	364	5029758	70	40	33.0	22.0	726	RI
10/13/95	815	9 - 8	365	5029745	70	40	476.5	22.0	10,483	RI
10/13/95	1450	8 - 7	366	3033209	80	40	228.5	22.0	5,027	RI
10/13/95	1520	7 - 8	367	3033209	80	40	22.0	22.0	484	RI
10/13/95	1535	8 - 7	368	3033209	80	40	160.0	22.0	3,520	RI
10/13/95	1625	8 - 7	369	3033209	80	40	97.0	22.0	2,134	RI
10/13/95	1630	8 - 7	370	3033209	80	40	2.0	22.0	44	RI
10/14/95	800	8 - 7	371	3035550	70	40	299.5	22.0	6,589	RI
10/14/95	815	8 - 7	372	3033205	70	40	2.6	22.0	57	RI

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DATE	TIM	LOCATION	PANEL NUMBER	ROLL NUMBER	TEMPERATURE (F)	THICKNESS (mil)	LENGTH (ft)	WIDTH (ft)	AREA (ft^2)	QA_ID
10/14/95	1030	8 - 7	373	3035549	70	40	72.5	22.0	1,595	RI
10/14/95	1115	8 - 7	374	3039745	70	40	372.0	22.0	8,184	RI
10/14/95	1135	8 - 7	375	3039761	70	40	33.5	22.0	737	RI
10/16/95	1420	8 - 7	376	5039761	60	40	44.5	22.0	979	RI
10/16/95	1445	8 - 7	377	5030128	60	40	56.5	22.0	1,243	RI
10/16/95	1450	8 - 7	378	5030198	60	40	26.0	22.0	572	RI
10/16/95	1455	8 - 7	379	3033225	60	40	35.0	22.0	770	RI
10/16/95	1515	8 - 7	380	3033257	60	40	18.0	22.0	396	RI
10/16/95	1620	8 - 7	381	3033198	60	40	32.5	22.0	715	RI
10/16/95	1635	8 - 7	382	3033278	60	40	98.0	22.0	2,156	RI
10/16/95	1645	8 - 7	383	3033211	60	40	41.0	22.0	902	RI
10/16/95	1630	8 - 7	384	3033293	60	40	146.0	22.0	3,212	RI
10/16/95	1645	8 - 7	385	3033293	60	40	21.0	22.0	462	RI
10/16/95	1700	8 - 7	386	3033293	60	40	8.0	22.0	176	RI
10/16/95	1730	8 - 7	387	3033293	60	40	33.0	19.0	627	RI
10/16/95	1745	8 - 7	388	5030144	60	40	34.5	22.0	759	RI
10/17/95	725	8A - 8	389	5035549	46	40	26.0	22.0	572	NMB
10/17/95	730	8A - 8	390	5035549	46	40	39.5	22.0	869	NMB
10/17/95	745	8A - 8	391	5035549	46	40	49.0	22.0	1,078	NMB
10/17/95	800	8A - 8	392	3033277	46	40	12.0	22.0	264	NMB
10/17/95	1015	9 - 8A	393	3030195	47	40	46.5	22.0	1,023	NMB
10/17/95	1020	9 - 8A	394	3039745	47	40	22.5	17.0	383	NMB
10/17/95	1035	9 - 8A	395	3030195	47	40	38.0	22.0	836	NMB
10/17/95	1050	9 - 8A	396	3030195	47	40	23.0	5.0	115	NMB
10/17/95	1130	9 - 8A	397	3030195	47	40	13.0	15.5	202	NMB
10/18/95	800	8 - 7	398	3033216	60	40	490.0	22.0	10,780	RI
10/18/95	925	8 - 7	399	3035546	60	40	511.0	22.0	11,242	RI
10/18/95	1115	8 - 7	400	3035552	60	40	301.0	22.0	6,622	RI
10/18/95	1245	8 - 7	401	3035552	60	40	57.0	4.0	228	RI
10/18/95	1345	8 - 7	402	3035551	60	40	451.0	22.0	9,922	RI
10/18/95	1300	8 - 7	403	3035552	60	40	175.5	22.0	3,861	RI
10/18/95	1400	8 - 7	404	3033214	60	40	54.0	5.5	297	RI
10/18/95	1430	8 - 7	405	3035552	60	40	84.0	22.0	1,848	RI
10/18/95	1545	8 - 7	406	3035552	60	40	25.0	2.5	63	RI
10/18/95	1700	8 - 7	407	5030195	60	40	101.0	22.0	2,222	RI
10/18/95	1730	8 - 7	408	3035552	60	40	34.0	8.0	272	RI
10/18/95	1745	8 - 7	409	3033277	60	40	28.0	17.5	490	RI
10/18/95	1750	8 - 7	410	3033228	60	40	40.5	22.0	891	RI
10/18/95	1800	8 - 7	411	5030185	60	40	18.5	16.5	305	RI
10/18/95	1810	8 - 7	412	3035546	60	40	12.5	18.0	225	RI
10/20/95	745	8 - 7	413	3035555	68	40	507.0	22.0	11,154	RI
10/20/95	1115	8 - 7	414	3033249	73	40	613.0	22.0	13,486	RI
10/20/95	1600	8 - 7	415	3035555	73	40	18.0	2.0	36	RI
10/25/95	800	7 - 3A	416	3035547	55	40	564.5	22.0	12,419	RI
10/25/95	1005	7 - 3A	417	3035553	58	40	570.0	22.0	12,540	RI
10/25/95	1245	7 - 3A	418	3035553	61	40	10.0	22.0	220	RI
10/25/95	1330	7 - 3A	419	3035554	60	40	538.0	22.0	11,836	RI
10/26/95	745	7 - 3A	420	3035557	54	40	523.0	22.0	11,506	RI
10/26/95	850	7 - 3A	421	3035555	56	40	35.0	22.0	770	RI
10/26/95	900	7 - 3A	422	3033214	56	40	67.0	22.0	1,474	RI
10/26/95	1015	7 - 3A	423	3035548	58	40	498.5	22.0	10,967	RI
10/26/95	1000	7 - 3A	424	3035548	58	40	79.0	22.0	1,738	RI
10/26/95	950	7 - 3A	425	3033214	58	40	50.0	22.0	1,100	RI
10/26/95	1315	7 - 3A	426	5030100	60	40	331.5	22.0	7,293	RI
10/26/95	1320	7 - 3A	427	3035548	60	40	11.5	22.0	253	RI
10/26/95	1400	7 - 3A	428	3035548	60	40	17.0	22.0	374	RI
10/26/95	1410	7 - 3A	429	5030100	60	40	249.5	22.0	5,489	RI
10/26/95	1445	7 - 3A	430	3033255	60	40	100.0	22.0	2,200	RI
10/26/95	1640	7 - 3A	433	5029765	60	40	415.0	22.0	9,130	RI
10/26/95	1700	7 - 3A	434	5029765	60	40	14.0	22.0	308	RI
10/27/95	1335	13A - 13E	435	3033256	60	40	60.0	22.0	1,320	RI

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10/27/95	1345	13A - 13E	436	3033256	60	40	53.0	22.0	1,166	RI
10/30/95	1245	8 - 7	437	5030091	54	40	25.0	22.0	550	RI
10/30/95	1400	8 - 7	438	5030122	54	40	19.0	22.0	418	RI
10/30/95	1410	8 - 7	439	5030091	54	40	14.0	22.0	308	RI
10/30/95	1440	8 - 7	440	5030197	54	40	8.0	22.0	176	RI
10/30/95	1445	8 - 7	441	3035551	54	40	75.5	22.0	1,661	RI
10/30/95	1500	8 - 7	442	3035551	54	40	26.0	22.0	572	RI
10/30/95	1510	8 - 7	443	3035551	54	40	5.5	22.0	121	RI
11/1/95	800	5 - 4A	444	5030147	50	40	101.0	22.0	2,222	RI
11/1/95	810	5 - 4A	445	5029759	50	40	124.0	22.0	2,728	RI
11/1/95	815	5 - 4A	446	5030143	50	40	149.0	22.0	3,278	RI
11/1/95	910	5 - 4A	447	5030206	54	40	166.0	22.0	3,652	RI
11/1/95	1035	5 - 4A	448	3033210	54	40	61.0	22.0	1,342	RI
11/1/95	1100	5 - 4A	450	5030155	54	40	129.0	22.0	2,838	RI
11/1/95	1045	5 - 4A	449	5030182	54	40	5.0	22.0	110	RI
11/1/95	1110	5 - 4A	451	3033286	54	40	47.0	22.0	1,034	RI
11/1/95	1120	5 - 4A	452	5030206	54	40	18.0	22.0	396	RI
11/1/95	1130	5 - 4A	453	3033286	54	40	25.0	22.0	550	RI
11/6/95	1400	4A - 4	454	3033819	46	40	99.5	22.0	2,189	RI
11/6/95	1415	4A - 4	455	5030200	46	40	49.0	22.0	1,078	RI
11/6/95	1420	4A - 4	456	3035554	46	40	55.0	22.0	1,210	RI
11/6/95	1440	4A - 4	457	5030145	46	40	126.5	22.0	2,783	RI
11/6/95	1510	4A - 4	458	3033216	46	40	71.5	22.0	1,573	RI
11/6/95	1520	4A - 4	459	3035546	46	40	62.5	22.0	1,375	RI
11/6/95	1540	4A - 4	460	5030148	46	40	114.0	22.0	2,508	RI
11/7/95	735	4 - 12A	461	3033197	40	40	131.0	22.0	2,882	RI
11/7/95	800	4 - 12A	462	3033264	40	40	21.5	17.5	376	RI
11/7/95	830	4 - 12A	463	5030191	40	40	58.5	7.5	439	RI
11/7/95	845	4 - 12A	464	5030191	40	40	46.0	22.0	1,012	RI
11/7/95	1000	4 - 12A	465	5030101	40	40	42.0	22.0	924	RI
11/7/95	1010	4 - 12A	466	5030101	40	40	45.0	22.0	990	RI
11/7/95	1020	4 - 12A	467	3033222	40	40	64.0	22.0	1,408	RI
11/7/95	1045	4 - 12A	468	5030104	40	40	87.5	15.5	1,356	RI
11/7/95	1230	12 - 4A	469	3035557	40	40	62.0	22.0	1,364	RI
11/8/95	730	11 -12	470	3035555	37	40	101.5	22.0	2,233	RI
11/8/95	800	4A - 4	471	5029764	37	40	95.0	22.0	2,090	RI
11/8/95	820	4A - 4	472	5029764	37	40	70.5	22.0	1,551	RI
11/8/95	845	4A - 4	473	5029764	37	40	37.0	22.0	814	RI
11/8/95	850	11 - 12	474	5030147	37	40	80.0	22.0	1,760	RI
11/8/95	900	11 - 12	475	5030147	37	40	25.5	22.0	561	RI
11/9/95	1120	14W - 20W	476	3033252	38	40	188.5	22.0	4,147	RI
11/9/95	1130	14W - 20W	477	5029768	38	40	130.0	22.0	2,860	RI
11/9/95	1245	14E - 20E	478	5029765	38	40	186.0	22.0	4,092	RI
11/9/95	1300	14E - 20E	479	5029768	38	40	55.5	22.0	1,221	RI
11/9/95	1310	14E - 20E	480	5029768	38	40	56.5	22.0	1,243	RI
11/13/95	945	13A - 13E	481	5029769	34	40	157.5	22.0	3,465	RI
11/13/95	1010	13A - 13E	482	3033288	34	40	149.5	22.0	3,289	RI
11/13/95	1030	13A - 13E	483	5031054	34	40	136.5	22.0	3,003	RI
11/13/95	1100	13A - 13E	484	5030090	34	40	131.5	22.0	2,893	RI
11/13/95	1245	13A - 13E	485	5029747	34	40	128.0	22.0	2,816	RI
11/13/95	1300	13A - 13E	486	5029750	34	40	114.0	22.0	2,508	RI
11/13/95	1315	13A - 13E	487	5029750	34	40	111.5	22.0	2,453	RI
11/13/95	1330	13A - 13E	488	5029747	34	40	77.5	22.0	1,705	RI
11/13/95	1345	13A - 13E	489	5029769	34	40	35.5	22.0	781	RI
11/13/95	1500	13A - 13E	490	3035550	34	40	116.5	22.0	2,563	RI
11/13/95	1515	13A - 13E	491	5030090	34	40	60.5	22.0	1,331	RI
11/13/95	1530	13A - 13E	492	3035550	34	40	51.0	22.0	1,122	RI
11/16/95	745	13A - 13E	493	3035550	35	40	72.5	22.0	1,595	RI
11/16/95	750	13A - 13E	494	5030105	35	40	34.0	22.0	748	RI
11/16/95	900	13A - 13E	495	5030105	35	40	74.5	22.0	1,639	RI
11/16/95	915	13A - 13E	496	5030105	35	40	22.5	22.0	495	RI

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GEOMEMBRANE PANEL PLACEMENT LOG

DATE	TIM	LOCATION	PANEL NUMBER	ROLL NUMBER	TEMPERATURE (F)	THICKNESS (mil)	LENGTH (ft)	WIDTH (ft)	AREA (ft^2)	QA_ID
11/16/95	945	13A - 13E	497	5030105	35	40	54.5	22.0	1,199	RI
11/16/95	1010	13A - 13E	498	5030105	35	40	9.5	22.0	209	RI
11/16/95	1020	13A - 13E	499	5030105	35	40	27.5	22.0	605	RI
11/17/95	800	13A - 13E	500	5030105	34	40	29.0	8.5	247	RI
11/17/95	1100	13E - 12	501	3033250	35	40	323.0	22.0	7,106	RI
11/18/95	745	13E - 12	502	3033274	35	40	317.5	22.0	6,985	RI
11/18/95	840	13E - 12	503	3033274	35	40	275.0	22.0	6,050	RI
11/18/95	950	13E - 12	504	5030079	35	40	304.0	22.0	6,688	RI
11/18/95	1000	13E - 12	505	5030079	35	40	37.0	22.0	814	RI
11/18/95	1315	13E - 12	506	5030048	35	40	307.5	22.0	6,765	RI
11/20/95	805	13E - 12	507	5030048	36	40	299.5	22.0	6,589	RI
11/20/95	1000	13E - 12	508	5029772	36	40	287.0	22.0	6,314	RI
11/20/95	1115	13E - 12	509	5029772	36	40	280.0	22.0	6,160	RI
11/20/95	1300	13E - 12	510	3033250	36	40	279.0	22.0	6,138	RI
11/20/95	1400	13E - 12	511	3033250	36	40	6.5	22.0	143	RI
11/21/95	815	13E - 12	512	5030106	40	40	234.0	22.0	5,148	RI
11/21/95	945	13E - 12	513	3033247	40	40	228.0	22.0	5,016	RI
11/21/95	1120	13E - 12	514	3033247	40	40	266.5	22.0	5,863	RI
11/21/95	1305	13E - 12	515	5030079	40	40	248.0	22.0	5,456	RI
11/21/95	1430	13E - 12	516	3033247	40	40	9.0	22.0	198	RI
11/22/95	830	13E - 12	517	5029746	35	40	258.0	22.0	5,676	RI
11/22/95	945	12 - 12A	518	5029746	35	40	251.5	22.0	5,533	RI
11/22/95	1050	12 - 12A	519	5029751	35	40	252.5	22.0	5,555	RI
11/27/95	735	12 - 12A	520	5029751	38	40	242.0	22.0	5,324	RI
11/27/95	845	12 - 12A	521	3033261	38	40	241.0	22.0	5,302	RI
11/27/95	930	12 - 12A	522	3033261	38	40	11.5	22.0	253	RI
11/27/95	1000	12 - 12A	523	3033261	38	40	231.5	22.0	5,093	RI
11/27/95	1100	12A - 11	524	5030096	40	40	220.5	22.0	4,851	RI
11/27/95	1245	12A - 11	525	3033266	40	40	193.0	22.0	4,246	RI
11/27/95	1400	13E - 12	526	3033261	40	40	40.0	22.0	880	RI
11/27/95	1415	13E - 12	527	3033261	40	40	44.0	20.0	880	RI
11/27/95	1445	11 - 11A	528	5029746	40	40	21.5	22.0	473	RI
11/28/95	830	11 - 11A	529	3033251	54	40	200.0	22.0	4,400	RI
11/28/95	900	11 - 11A	530	3033265	54	40	185.0	22.0	4,070	RI
11/28/95	1025	11 - 11A	531	3033276	54	40	193.0	22.0	4,246	RI
11/28/95	1035	11 - 11A	532	3033276	54	40	10.0	22.0	220	RI
11/28/95	1245	11 - 11A	533	3033248	54	40	162.0	22.0	3,564	RI
11/28/95	1320	11 - 11A	534	3033205	54	40	16.0	22.0	352	RI
11/28/95	1330	11 - 11A	535	3033205	54	40	149.0	22.0	3,278	RI
11/28/95	1435	11A - 10	536	5030192	54	40	156.0	22.0	3,432	RI
11/28/95	1500	11 - 11A	537	3033256	54	40	22.0	22.0	484	RI
11/28/95	1505	11 - 11A	538	3033248	54	40	15.0	8.0	120	RI
12/2/95	800	11A - 10	539	3033280	35	40	163.0	22.0	3,586	RI
12/2/95	830	11A - 10	540	3033281	35	40	152.0	22.0	3,344	RI
12/2/95	845	11A - 10	541	3033280	05	40	9.0	22.0	198	RI
12/2/95	900	11A - 10	542	3033218	35	40	153.0	22.0	3,366	RI
12/2/95	1010	11A - 10	543	3033217	35	40	142.0	22.0	3,124	RI
12/2/95	1030	11A - 10	544	5029771	35	40	132.0	22.0	2,904	RI
12/2/95	1100	11A - 10	545	5029771	35	40	135.0	22.0	2,970	RI
12/2/95	1245	10 - 9A	546	5029771	35	40	131.0	22.0	2,882	RI
12/2/95	1300	10 - 9A	547	5029771	35	40	129.0	22.0	2,838	RI
12/2/95	1330	10 - 9A	548	5029771	35	40	74.0	22.0	1,628	RI
12/2/95	1410	10 - 9A	549	3033281	35	40	22.5	22.0	495	RI
12/4/95	745	10 - 9A	550	3033276	43	40	24.0	22.0	528	RI
12/4/95	800	10 - 9A	551	3033276	43	40	116.0	22.0	2,552	RI
12/4/95	815	10 - 9A	552	3033276	43	40	90.0	22.0	1,980	RI
12/4/95	935	10 - 9A	553	3033276	43	40	30.0	18.0	540	RI
12/4/95	940	10 - 9A	554	3033276	43	40	41.0	7.0	287	RI
12/4/95	945	10 - 9A	555	3033276	43	40	102.5	22.0	2,255	RI
12/4/95	945	10 - 9A	556	3033276	43	40	97.5	22.0	2,145	RI
12/4/95	1000	10 - 9A	557	3033276	43	40	61.5	22.0	1,353	RI

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE PANEL PLACEMENT LOG

DATE	TIM	LOCATION	PANEL NUMBER	ROLL NUMBER	TEMPERATURE (F)	THICKNESS (mil)	LENGTH (ft)	WIDTH (ft)	AREA (ft^2)	QA_ID
12/4/95	1045	10 - 9A	558	5029746	43	40	37.5	22.0	825	RI
12/4/95	1055	10 - 9A	559	5029746	43	40	30.5	22.0	671	RI
12/4/95	1120	10 - 9A	560	5029764	43	40	59.5	22.0	1,309	RI
12/4/95	1245	10 - 9A	561	5030042	43	40	81.5	22.0	1,793	RI
12/4/95	1310	10 - 9A	562	5030042	43	40	73.5	22.0	1,617	RI
12/4/95	1320	10 - 9A	563	5030042	43	40	68.0	22.0	1,496	RI
12/4/95	1335	10 - 9A	564	5030042	43	40	65.0	22.0	1,430	RI
12/4/95	1340	10 - 9A	565	5030042	43	40	56.5	22.0	1,243	RI
12/5/95	1030	9 - 8A	566	5030042	35	40	47.5	22.0	1,045	RI
12/5/95	1050	9 - 8A	567	3033247	35	40	42.0	22.0	924	RI
12/5/95	1100	9 - 8A	568	5030042	35	40	75.0	22.0	1,650	RI
12/5/95	1105	9 - 8A	569	5030042	35	40	35.0	22.0	770	RI
12/5/95	1115	9 - 8A	570	5030042	35	40	21.0	22.0	462	RI
12/6/95	730	9 - 8A	571	3035558	40	40	53.0	22.0	1,166	RI
12/6/95	745	9 - 8A	572	3035558	40	40	30.0	22.0	660	RI

APPENDIX R

TRIAL SEAM LOGS

SUB APPENDIX R–1

FUSION TRIAL SEAMS

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 26 day 4 month 95 year

CONTRACTOR: Gundel TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) (°C)	MACHINE NO.	OPER ID.	FUSION WEDGE (SET/°C/°F)	FUSION MEASURED SPEED (ft/min)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
1	26/4	7:50	54°	W#1154	TT	415°	7.5	57/58	59	P	–	GD
↓	↓	↓	↓	↓	↓	↓	↓	53/57	61	P	–	GD
↓	↓	↓	↓	↓	↓	↓	↓	63/59	62	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
2		7:25		W#1				57/56	59	P	–	GD
↓		↓		↓		↓	↓	65/65	58	P	–	GD
↓		↓		↓		↓	↓	64/67	63	P	–	GD
–		–		–		–	–	–	–	–	–	–
3							8.0	57/57	54	P	–	GD
↓							↓	58/59	53	P	–	GD
↓							↓	56/55	54	P	–	GD
–	–						–	–	–	–	–	–
4	4/5	0				415	11	62/59	60/65	P	–	GD
"	"	"			"	"	"	61/61	–	P	–	–
"	"	"	"	"	"	"	"	65/62	–	P	–	–
5	4/5	1330	68°	W#1154	TT	415	11	65/61	57/60	P	–	GD
"	"	"	"	"	"	"	"	57/57	–	P	–	–
"	"	"	"	"	"	"	"	54/59	–	P	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–
6	8/5	0800	47°	W#1154	TT	415	10	60/ NOP F-TB	–	–	F	GD
7	8/5	0900	"	W#1310	TT	415	10	60/60	62/61	P	–	GD
"	"	"	"	"	"	"	"	62/62	–	P	–	–
"	"	"	"	"	"	"	"	63/62	–	P	–	–
–	–	–	–	–	–	–	–	62/61 SB	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 5 month 95 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	In/Out PEEL (ppi) psi	SHEAR (ppi) psi	PASS	FAIL	
8	8/5	12:50	62°	1310	TT	415	10	51/55	63	P	–	MJ
"	"	"	"	"	"	"	"	53/56	58	P	–	"
"	"	"	"	"	"	"	"	54/58	–	P	–	"
–	–	–	–	–	–	–	–	–	–	–	–	–
9	10/10	1400	85°F	1154	KO	420	11	55/56	57	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	54/55	56	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	55/54	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
10	10/10	1400	85°F	1310	TT	415	11	54/55	57	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	54/54	54	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	54/54	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
11	8/8	1310	74°F	1320	TT	415	10	101/101	101	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	100/101	56	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	59/52	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
12	8/8	800	74°F	1145	KO	420	11	55/55	55	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	54/53	56	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	55/55	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
13	8/8	13:00	85°F	1320	TT	415	10	58/59	60	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	58/56	58	P	–	GD
"	↓	↓	↓	↓	↓	↓	↓	58/54		P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	FUSION WEDGE (SET/°C/°F)	FUSION MEASURED SPEED (ft/min)	TEST RESULTS In/Out PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	TEST RESULTS PASS	TEST RESULTS FAIL	QA ID
14	9/Lo	8:45	Lo4	1145	KP	420	11	53/56	55	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	54/55	56	P	—	GD
								56/58	—	P	—	GD
15	9/6	1300	78	1316	T.T.	415	11	57/56	58	P	—	DW
↓	↓	↓	↓	↓	↓	↓	↓	58/57	57	P	—	DW
								57/57	—	P	—	DW
16	9/6	1300	78	1154	K.P.	420	11	54/53	57	P	—	DW
↓	↓	↓	↓	↓	↓	↓	↓	52/52	57	P	—	DW
								51/53	—	P	—	DW
17	12/Lo	7:30	62	1310	TT	415	11	54/52	55	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	55/53	57	P	—	GD
								52/52	—	P	—	GD
18	14/Lo	Lo:45	Lo0	1154	KO	420	8.25	58/57	Lo0	P	—	GD
"	"	"	"	"	"	"	"	54/55	Lo1	P	—	GD
"	"	"	"	"	"	"	"	56/52	—	P	—	GD
19	14/Lo	Lo:50	Lo0	1310	TT	420	9.25	59/Lo0	Lo6	—	F	GD
"	"	"	"	"	"	"	"	59/Lo0	Lo3	—	F	GD
"	"	"	"	"	"	"	"	Lo1/Lo0	—	—	F	GD
20	14/Lo	8:00	Lo5	1310	TT	415	11	Lo6/Lo6	Lo6	P		GD
"	"	"	"	"	"	"	"	Lo4/Lo3	7Lo	P		GD
"	"	"	"	"	"	"	"	Lo5/Lo4	—	P		GD
21	14/Lo	13:00	75	1310	TT	415	11	Lo1/54	72	P		GD
"	"	"	"	"	"	"	"	Lo0/Lo1	81	P		GD
"	"	"	"	"	"	"	"	Lo0/57	—	P		GD
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F)/(°C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	in/out PEEL (ppi)/psi	SHEAR (ppi)/psi	PASS	FAIL	
22	14/Lo	13:45	75	1154	K.O.	420	10	50/52	51	P	—	GD
"	"	"	"	"	"	"	"	51/53	54	P	—	GD
"	"	"	"	"	"	"	"	50/52	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
23	15/Lo	7:00	Lo4	1310	TT	415	11	Lo4/Lo6	72	P	—	GD
"	"	"	"	"	"	"	"	Lo1/Lo2	77	—	F	GD
"	"	"	"	"	"	"	"	—	—	—	—	—
24	15/Lo	6:50	64	1154	K.O.	420	8.0	54/55	Lo6	P	—	GD
"	"	"	"	"	"	"	"	55/55	70	P	—	GD
"	"	"	"	"	"	"	"	54/55	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
25	15/Lo	13:10	Lo4	1154	K.O	410	10.0	50/53	Lo2	P	—	GD
"	"	"	"	"	"	"	"	50/52	73	P	—	GD
25	"	"	"	"	"	"	"	50/53	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
26	16/Lo	7:30	Lo9	1310	TT	415	11	Lo2/Lo1	72	P	—	GD
"	"	"	"	"	"	"	"	Lo2/Lo2	73	P	—	GD
"	"	"	"	"	"	"	"	58/58	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
27	16/Lo	7:00	Lo9	1154	K.O.	420	8.0	55/54	56	P	—	GD
"	"	"	"	"	"	"	"	55/54	54	P	—	GD
"	"	"	"	"	"	"	"	54/52	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F / °C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET / °C / °F)	MEASURED SPEED (ft/min)	In/out PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
28	16/6	12:30	89	1310	T.T.	415	12	57/57	56	P	—	GD
"	"	"	"	"	"	"	"	55/59	55	P	—	GD
"	"	"	"	"	"	"	"	57/55	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
29	16/6	12:15	89	1154	K.O.	415	12	59/52	61	P	—	GD
"	"	"	"	"	"	"	"	61/56	58	P	—	GD
"	"	"	"	"	"	"	"	49/50	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
30	19/6	7:00	75	1310	T.T.	415	11	50/52	53	P	—	GD
"	"	"	"	"	"	"	"	49/52	50	P	—	GD
"	"	"	"	"	"	"	"	49/51	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
31	20/6	7:00	75	1310	T.T.	415	11	65/63	67	P	—	GD
"	"	"		"	"	"	"	65/70	67	P	—	GD
"	"	"		"	"	"	"	68/72	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
32	20/6	12:40	87	1310	T.T.	400	9	68/68	68	P	—	GD
"	"	"		"	"	"	"	64/65	660	P	—	GD
"	"	"		"	"	"	"	64/69	—	P		GD
—	—	—	—	—	—	—	—	—	—	—	—	—
33	22/6	8:30	78	1310	T.T.	415	11	63/65	68	P	—	GD
"	"	"		"	"	"	"	65/64	67	P	—	GD
"	"	"		"	"	"	"	64/65	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 22 day June month 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wedger

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
34	22/Jo	12:40	82	1310	T.T.	4/5	12	71/70	70	P	—	GD
"	"	"	"	"	"	"	"	71/67	77	P	—	GD
"	"	"	"	"	"	"	"	70/66	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
35	21/Jo	11:30	84	1062	K.O.	4/20	7.5	68/70	71	P	—	GD
"	"	"		"	"	"	"	72/74	72	P	—	GD
"	"	"		"	"	"	"	67/74	"	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
36	21/Jo	10:30	78°	1310	T.T.	4/5	11	60/62	59	P	—	GD
"	"	"		"	"	"	"	63/64	67	P	—	GD
"	"	"		"	"	"	"	61/62	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
37	21/Jo	1430	74°	1310	T.T.	4/5	11	60/59	62	P	—	GD
"	"	"		"	"	"	"	59/59	66	P	—	GD
"	"	"		"	"	"	"	62/59	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
~~38~~ —	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
38	23/Jo	7:30	65	1310	T.T.	4/5	12.0	65/70	—	P	—	GD
"	"	"	"	"	"	"	"	64	—	—	F	GD
"	"	"	"	"	"	"	"	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/ °C °F)	MEASURED SPEED (ft/min)	In/out PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
39	23/6	7:15	605	1062	K.O.	420	10	605/606	70	P	—	GD
"	"	"	"	"	"	"	"	605/602	605	P	—	GD
"	"	"	"	"	"	"	"	605/605	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
40	23/6	9:00	608	1310	T.T.	415	11	604/606	609	P	—	GD
Retest of		#38	"	"	"	"	"	602/604	605	P	—	GD
"	"	"	"	"	"	"	"	602/607	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
41	26/6	8:00	608	1310	T.T.	420	10	771/776	779	P	—	GD
"	"	"	"	"	"	"	"	608F	806	—	F	GD
"	"	"	"	"	"	"	"	—	—	—	—	—
42	23/6	1300	714	1310	T.T.	415	11	606/604	609	P	—	GD
"	"	"	"	"	"	"	"	604/602	605	P	—	GD
"	"	"	"	"	"	"	"	607/602	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
43	28/6	8:00	600	1062	T.T.	420	11	606/602	607	—	F	GD
"	"	"	"	"	"	"	"	—	772	—	—	GD
"	"	"	"	"	"	"	"	—	—	—	—	—
44	28/6	9:30	603	1062	T.T.	420	10	604/604	608	P	—	GD
"	"	"	"	"	"	"	"	602/559	606	P	—	GD
"	"	"	"	"	"	"	"	601/558	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
45	28/6	12:45	715	1062	T.T.	420	10	608/601	608	P	—	GD
"	"	"	"	"	"	"	"	608/606	771	P	—	GD
"	"	"	"	"	"	"	"	609/604	—	—	—	GD

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wagener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
46	30/6	7:30	62	1062	T.T.	420	11	65 IN	68 OUT	68	P	GD
"	"	"	"	"	"	"	"	64	58	70	P	GD
"	"	"	"	"	"	"	"	68	70	—	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
47	30/6	7:30	62	1154	K.O.	420	10	67	74	69	P	GD
"	"	"	"	"	"	"	"	69	68	72	P	GD
"	"	"	"	"	"	"	"	70	67	—	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
48	30/6	12:30	78	1062	T.T.	420	11	59	63	74	P	GD
"	"	"	"	"	"	"	"	58	62	71	P	GD
"	"	"	"	"	"	"	"	61	58	—	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
49	3/7	7:00	68	1062	T.T.	420	11	59	70	72	P	GD
"	"	"	"	"	"	"	"	62	63	69	P	GD
"	"	"	"	"	"	"	"	66	68	—	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
50	3/7	7:15	68	1154	K.O.	420	10	63	69	74	P	GD
"	"	"	"	"	"	"	"	67	65	78	P	GD
"	"	"	"	"	"	"	"	65	66	—	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
51	3/7	12:30	84	1062	T.T.	420	11	61	63	65	P	GD
"	"	"	"	"	"	"	"	60	61	68	P	GD
"	"	"	"	"	"	"	"	57	60	—	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
52	05-07	0740	69°	1062	T.T.	420	11	70/69	78	Y	–	HL
"	"	"		"	"	"	"	71/69	84	Y	–	HL
"	"	"		"	"	"	"	72/69	–	Y	–	HL
53	05-07	1240	78°	1062	T.T.	420	11	72/71	74	Y	–	HL
"	"	"		"	"	"	"	73/63	77	Y	–	HL
"	"	"		"	"	"	"	77/70	–	Y	–	HL
54	06-07	0800	69°	1062	T.T.	420	11	61/59	84	Y	–	HL
"	"	"		"	"	"	"	72/70	89	Y	–	HL
"	"	"		"	"	"	"	67/68	81	Y	–	HL
55	07-07	0700	71°	1062	T.T.	420	11	61/56	66	Y	–	HL
"	"	"		"	"	"	"	61/59	67	Y	–	HL
"	"	"		"	"	"	"	64/60	–	Y	–	HL
56	29-06	AM	65°	1156	KC	420	11	69/67	74	Y	–	HL
"	"	"		"	"	"	"	69/68	69	Y	–	HL
"	"	"		"	"	"	"	70/67	–	Y	–	HL
57	29-06	AM	65°	1134	TT	420	11	64/62	68	Y	–	HL
"	"	"		"	"	"	"	61/57	65	Y	–	HL
"	"	"		"	"	"	"	70/68	–	Y	–	HL
58	30-06	848	68-64°	1134	CHRIS	400	7	70/68	75	Y	–	HL
"	"	"	"	"	"	"	"	69/66	73	Y	–	HL
"	"	"	"	"	"	"	"	74/69	–	Y	–	HL
59	30-06	1300	82°	1154	CHRIS	400	7	65/72	72	Y	–	HL
"	"	"	"	"	"	"	"	67/68	71	Y	–	HL
"	"	"	"	"	"	"	"	68/66	–	Y	–	HL
–	–	–	–	–	–	–	–	–	–	–	–	–

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

	TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	FUSION WEDGE (SET/°C/°F)	FUSION MEASURED SPEED (ft/min)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
AM	60	12-07	AM	77°	1062	T.T.	425	9	61 58	68	✓	–	HL
	"	"	"	"	"	"	"	"	67 59	64	✓	–	HL
	"	"	"	"	"	"	"	"	59 60	–	✓	–	HL
AM	61	13-07	0900	75°	1154	KO	420	8	61 61	68	✓	–	HL
	"	"	"	"	"	"	"	"	61 59	68	✓	–	HL
	"	"	"	"	"	"	"	"	61 60	–	✓	–	HL
AM	62	13-07	0910	75°	206	CHRIS	420	8	59 58	64	✓	–	HL
	"	"	"	"	"	"	"	"	59 55	69	✓	–	HL
	"	"	"	"	"	"	"	"	62 59	–	✓	–	HL
	63	13-07	0930	75°	1062	T.T.	420	8	56 55	56	✓	–	HL
	"	"	"	"	"	"	"	"	58 56	57	✓	–	HL
	"	"	"	"	"	"	"	"	56 52	–	✓	–	HL
	64	14-07	0830	79°	1062	TT	420	11	54 52	63	✓	–	HL
	"	"	"	"	"	"	"	"	57 57	61	✓	–	HL
	"	"	"	"	"	"	"	"	55 54	–	✓	–	HL
	65	14-07	0820	79°	1154	KO	420	11	57 49	66	✓	–	HL
	"	"	"	"	"	"	"	"	55 52	63	✓	–	HL
	"	"	"	"	"	"	"	"	54 53	–	✓	–	HL
	66	14-07	PM	102°	1062	TT	420	11	51 50	55	✓	–	HL
	"	"	"	"	"	"	"	"	55 53	52	✓	–	HL
	"	"	"	"	"	"	"	"	59 52	–	✓	–	HL
	67	14-07	PM	102°	1154	KO	420	8	47 47	54	✓	–	HL
	"	"	"	"	"	"	"	"	50 48	51	✓	–	HL
	"	"	"	"	"	"	"	"	46 43	–	✓	–	HL
	—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
68	17-07	0800	71°	1062	T.T.	420	11	58 57	64	Y	—	HL
"	"	"	"	"	"	"	"	56 53	61	Y	—	HL
"	"	"	"	"	"	"	"	56 55	—	Y	—	HL
69	17-07	0815	71°	1154	KO	420	8	52 51	64	Y	—	HL
"	"	"	"	"	"	"	"	54 51	65	Y	—	HL
"	"	"	"	"	"	"	"	53 51	—	Y	—	HL
70	17-07	1250	82°	1062	T T	420	11	58 55	59	Y	—	HL
"	"	"	"	"	"	"	"	57 57	62	Y	—	HL
"	"	"	"	"	"	"	"	58 54	—	Y	—	HL
71	17-07	1300	82°	1154	KO	420	8	57 54	59	Y	—	HL
"	"	"	"	"	"	"	"	57 57	62	Y	—	HL
"	"	"	"	"	"	"	"	60 53	—	Y	—	HL
72	24-07	0900	87°	1305	CHRIS	420	7	55 52	64	Y	—	HL
"	"	"	"	"	"	"	"	60 57	62	Y	—	HL
"	"	"	"	"	"	"	"	60 59	—	Y	—	HL
73	24-07	1245	94°	1305	CHRIS	420	7	58 57	62	Y	—	HL
"	"	"	"	"	"	"	"	59 53	57	Y	—	HL
"	"	"	"	"	"	"	"	57 55	—	Y	—	HL
74	24-07	0800	80°	1032	CHRIS	420	8	54 54	63	Y	—	HL
"	"	"	"	"	"	"	"	57 50	63	Y	—	HL
"	"	"	"	"	"	"	"	55 53	—	Y	—	HL
75	24-07	0810	80°	1205	T.T.	420	11	59 57	65	Y	—	HL
"	"	"	"	"	"	"	"	59 54	63	Y	—	HL
"	"	"	"	"	"	"	"	63 52	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/ °C °F)	MEASURED SPEED (ft/min)	PEEL (ppi) psi	SHEAR (ppi) psi	PASS	FAIL	
76	26-07	0820	80°	1113	TT	420	11	57 55	60	Y	—	HL
"	"	"	"	"	"	"	"	58 57	62	Y	—	HL
"	"	"	"	"	"	"	"	56 54	—	Y	—	HL
77	26-07	1300	85°	1113	T.T.	420	8	58 57	62	Y	—	HL
"	"	"	"	"	"	"	"	58 52	60	Y	—	HL
"	"	"	"	"	"	"	"	56 54	—	Y	—	HL
78	26-07	1310	85°	1205	CHRIS	420	8	54 53	58	Y	—	HL
"	"	"	"	"	"	"	"	59 52	57	Y	—	HL
"	"	"	"	"	"	"	"	57 54	—	Y	—	HL
79	27-07	0715	74°	1113	T.T.	420	11	65 63	79	Y	—	HL
"	"	"	"	"	"	"	"	69 68	81	Y	—	HL
"	"	"	"	"	"	"	"	70 69	—	Y	—	HL
80	27-07	0725	74°	1032	CHRIS	420	11	53 51	77	Y	—	HL
"	"	"	"	"	"	"	"	60 59	75	Y	—	HL
"	"	"	"	"	"	"	"	60 58	—	Y	—	HL
81	27-07	1300	90°	1032	CHRIS	420	11	56 56	60	Y	—	HL
"	"	"	"	"	"	"	"	55 54	61	Y	—	HL
"	"	"	"	"	"	"	"	59 58	—	Y	—	HL
82	27-07	1310	90°	1113	T.T.	420	11	58 54	62	Y	—	HL
"	"	"	"	"	"	"	"	59 56	63	Y	—	HL
"	"	"	"	"	"	"	"	56 55	—	Y	—	HL
83	29-07	0800	76°	1032	CHRIS	420	11	55 54	60	Y	—	HL
"	"	"	"	"	"	"	"	57 56	57	Y	—	HL
"	"	"	"	"	"	"	"	55 54	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) (°C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/(°C) °F)	MEASURED SPEED (ft/min)	PEEL (ppi)/psi)	SHEAR (ppi/psi)	PASS	FAIL	
84	29-07	0815	76°	1113	T.T.	420	11	53 50	60	Y	–	HL
"	"	"	"	"	"	"	"	48 48	63	Y	–	HL
"	"	"	"	"	"	"	"	57 56	—	Y	–	HL
85	29-07	1300	88°	1032	C.H.S.	420	11	59 58	63	Y	–	HL
"	"	"	"	"	"	"	"	59 55	60	Y	–	HL
"	"	"	"	"	"	"	"	57 55	—	Y	–	HL
86	29-07	1315	88°	1113	T.T.	420	8	57 55	63	Y	–	HL
"	"	"	"	"	"	"	"	51 54	42	Y	–	HL
"	"	"	"	"	"	"	"	58 56	—	Y	–	HL
87	31-07	0800	75°	1113	T.T.	420	11	65 69	69	Y	–	HL
"	"	"	"	"	"	"	"	67 45	68	Y	–	HL
"	"	"	"	"	"	"	"	66 64	—	Y	–	HL
88	31-07	805	75°	1032	C.S.	420	11	60 58	71	Y	–	HL
"	"	"	"	"	"	"	"	61 59	70	Y	–	HL
"	"	"	"	"	"	"	"	64 60	—	Y	–	HL
89	31-07	1300	88°	1113	T.T.	420	11	54 54	61	Y	–	HL
"	"	"	"	"	"	"	"	57 53	58	Y	–	HL
"	"	"	"	"	"	"	"	57 54	—	Y	–	HL
90	31-07	1310	88°	1032	K.O.	420	11	58 56	62	Y	–	HL
"	"	"	"	"	"	"	"	55 53	62	Y	–	HL
"	"	"	"	"	"	"	"	58 56	—	Y	–	HL
91	01-08	0800	74°	1113	T.T.	420	11	57 55	41	Y	–	HL
"	"	"	"	"	"	"	"	59 55	60	Y	–	HL
"	"	"	"	"	"	"	"	42 52	—	Y	–	HL
–	–	–	–	–	–	–	–	–	–	–	–	–

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F / °C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
92	01-08	0810	74°	1032	CHRIS	420	11	57 56	63	Y	—	HL
"	"	"	"	"	"	"	"	54 52	61	Y	—	HL
"	"	"	"	"	"	"	"	54 54	—	Y	—	HL
93	01-08	1250	92°	1113	T.T.	420	11	59 57	64	Y	—	HL
"	"	"	"	"	"	"	"	59 59	61	Y	—	HL
"	"	"	"	"	"	"	"	61 60	—	Y	—	HL
94	01-08	1300	92°	1074	CHRIS	420	11	57 56	62	Y	—	HL
"	"	"	"	"	"	"	"	59 56	61	Y	—	HL
"	"	"	"	"	"	"	"	59 55	—	Y	—	HL
95	02-08	0810	78°	1032	C.S.	420	11	57 56	62	Y	—	HL
"	"	"	"	"	"	"	"	59 55	60	Y	—	HL
"	"	"	"	"	"	"	"	58 56	—	Y	—	HL
96	02-08	0815	78°	1113	TT	420	11	55 53	60	Y	—	HL
"	"	"	"	"	"	"	"	55 54	57	Y	—	HL
"	"	"	"	"	"	"	"	54 50	—	Y	—	HL
97	02-08	1300	99°	1032	C.S.	420	11	54 47	60	Y	—	HL
"	"	"	"	"	"	"	"	55 49	63	Y	—	HL
"	"	"	"	"	"	"	"	54 49	—	Y	—	HL
98	02-08	1310	99°	1113	TT	420	11	53 51	60	Y	—	HL
"	"	"	"	"	"	"	"	53 52	56	Y	—	HL
"	"	"	"	"	"	"	"	53 47	—	Y	—	HL
99	03-08	0815	78	1032	CS	420	11	65 63	68	Y	—	HL
"	"	"	"	"	"	"	"	64 60	66	Y	—	HL
"	"	"	"	"	"	"	"	59 59	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F / °C)	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/ °C / °F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
100	03-08	0818	78°	1113	TT	420	11	59 53	41	P	—	HL
"	"	"	"	"	"	"	"	57 56	63	P	—	HL
"	"	"	"	"	"	"	"	57 55	—	P	—	HL
101	03-08	1300	87°	1032	C.S.	420	11	56 55	57	P	—	HL
"	"	"	"	"	"	"	"	56 51	55	P	—	HL
"	"	"	"	"	"	"	"	56 54	—	P	—	HL
102	03-08	1310	87°	1113	TT	420	11	54 53	60	P	—	HL
"	"	"	"	"	"	"	"	54 51	54	P	—	HL
"	"	"	"	"	"	"	"	52 51	—	P	—	HL
103	04-08	800	75°	1032	CS	420	7	54 54	47	P	—	HL
"	"	"	"	"	"	"	"	63 61	63	P	—	HL
"	"	"	"	"	"	"	"	63 59	—	P	—	HL
104	04-08	0808	75°	1205	KO	420	8	58 55	63	P	—	HL
"	"	"	"	"	"	"	"	57 55	61	P	—	HL
"	"	"	"	"	"	"	"	58 56	—	P	—	HL
105	04-08	0815	75°	1113	TT	420	11	57 57	47	P	—	HL
"	"	"	"	"	"	"	"	54 55	51	P	—	HL
"	"	"	"	"	"	"	"	48 46	—	P	—	HL
106	04-08	1300	90°	1305	CHRIS	420	11	55 54	43	P	—	HL
"	"	"	"	"	"	"	"	57 56	41	P	—	HL
"	"	"	"	"	"	"	"	57 55	—	P	—	HL
107	04-08	1310	90°	1205	KO	420	8	55 53	56	P	—	HL
"	"	"	"	"	"	"	"	53 51	59	P	—	HL
"	"	"	"	"	"	"	"	54 52	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/ °C/ °F)	MEASURED SPEED (ft/min)	PEEL (ppi)/psi)	SHEAR (ppi/psi)	PASS	FAIL	
108	04-08	1315	90°	1113	TT	420	11	52 50	60	Y	—	HL
"	"	"	"	"	"	"	"	55 51	57	Y	—	HL
"	"	"	"	"	"	"	"	52 50	—	Y	—	HL
109	08-08	700	68°	1305	CHRIS	425	7	45 55	51	Y	—	HL
"	"	"	"	"	"	"	"	67 41	56	Y	—	HL
"	"	"	"	"	"	"	"	58 53	—	Y	—	HL
110	08-08	0750	68°	1205	KO	420	7.5	45 42	47	Y	—	HL
"	"	"	"	"	"	"	"	40 58	65	Y	—	HL
"	"	"	"	"	"	"	"	63 42	—	Y	—	HL
111	08-08	0730	68°	1113	TT	420	11	42 40	42	Y	—	HL
"	"	"	"	"	"	"	"	51 50	53	Y	—	HL
"	"	"	"	"	"	"	"	49 49	—	Y	—	HL
112	08-08	1250	72°	1205	KO	420	11	52 51	58	Y	—	HL
"	"	"	"	"	"	"	"	54 53	56	Y	—	HL
"	"	"	"	"	"	"	"	57 51	—	Y	—	HL
113	08-08	1330	72°	1113	TT	420	11	60 59	61	Y	—	HL
"	"	"	"	"	"	"	"	52 52	55	Y	—	HL
"	"	"	"	"	"	"	"	64 42	—	Y	—	HL
114	09-08	0730	64°	1113	T.T.	420	11	60 59	63	Y	—	HL
"	"	"	"	"	"	"	"	60 59	62	Y	—	HL
"	"	"	"	"	"	"	"	58 55	—	Y	—	HL
115	09-08	0815	65°	1205	KO	420	11	56 54	67	Y	—	HL
"	"	"	"	"	"	"	"	60 58	65	Y	—	HL
"	"	"	"	"	"	"	"	56 55	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C	MACHINE NO.	OPER ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
116	10-08	0730	70°	1113	TT	420	11	59 58	42	Y	–	HL
"	"	"	"	"	"	"	"	58 58	41	Y	–	HL
"	"	"	"	"	"	"	"	59 50	—	Y	–	HL
117	10-08	0745	71°	1205	KO	420	8.25	58 52	61	Y	–	HL
"	"	"	"	"	"	"	"	59 54	58	Y	–	HL
"	"	"	"	"	"	"	"	60 57	—	Y	–	HL
118	10-08	1250	80°	1205	KO	420	8.25	46 45	49	Y	–	HL
"	"	"	"	"	"	"	"	48 48	47	Y	–	HL
"	"	"	"	"	"	"	"	47 45	—	Y	–	HL
119	10-08	1255	80°	1305	TT	420	11	55 50	58	Y	–	HL
"	"	"	"	"	"	"		51 50	57	Y	–	HL
"	"	"	"	"	"	"	"	54 52	—	Y	–	HL
120	10-08	1600	85°	1113	TT	420	11	58 52	59	Y	–	HL
"	"	"	"	"	"	"	"	57 54	53	Y	–	HL
"	"	"	"	"	"	"	"	56 54	—	Y	–	HL
121	11-08	0745	72°	1205	KO	420	8.0	58 56	58	Y	–	HL
"	"	"	"	"	"	"	"	61 55	56	Y	–	HL
"	"	"	"	"	"	"	"	59 56	—	Y	–	HL
122	11-08	1000	82°	W-295	T.T. ~~420~~ KL	420	2	55 50	63	Y	–	HL
"	"	"	"	"	"	"	"	58 53	64	Y	–	HL
"	"	"	"	"	"	"	"	59 57	—	Y	–	HL
123	11-08	1255	85°	1205	KO	420	10.	48 47	49	Y	–	HL
"	"	"	"	"	"	"	"	46 45	47	Y	–	HL
"	"	"	"	"	"	"	"	47 46	—	Y	–	HL
—	—	—	—	—	—	—	—	—	—	—	–	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - FUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER. ID.	FUSION		TEST RESULTS				QA ID
						WEDGE (SET/°C/°F)	MEASURED SPEED (ft/min)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
124	11-08	1258	85°	W-295	T.T.	420	3	58 53	62	Y	–	HL
"	"	"	"	"	"	"	"	56 54	62	Y	–	HL
"	"	"	"	"	"	"	"	56 55	—	Y	–	HL
125	14-08	0730	75°	295	TT	420	2.9	60 60	64	Y	–	HL
"	"	"	"	"	"	"	"	59 59	64	Y	–	HL
"	"	"	"	"	"	"	"	60 60	—	Y	–	HL
126	14-08	0745	75°	~~1205~~ 1502 HL	KO	420	9.	56 55	57	Y	–	HL
"	"	"	"	"	"	"	"	57 54	60	Y	–	HL
"	"	"	"	"	"	"	"	60 58	—	Y	–	HL
127	14-08	1255	90°	1205	KO	420	12.0	45 44	47	Y	–	HL
"	"	"	"	"	"	"	"	48 46	46	Y	–	HL
"	"	"	"	"	"	"	"	44 43	—	Y	–	HL
128	14-08	1300	90°	295	~~T.T.~~ HL	420	9	51 50	56	Y	–	HL
"	"	"	"	"	"	"	"	50 50	54	Y	–	HL
"	"	"	"	"	"	"	"	51 50	—	Y	–	HL
129	15-08	0830	75°	~~1205~~ 420	KO	420	10.	51 50	50	Y	–	HL
"	"	"	"	"	"	"	"	54 52	48	Y	–	HL
"	"	"	"	"	"	"	"	52 50	—	Y	–	HL
130	15-08	1250	91°	1205	K.O.	420	12.	45 44	52	Y	–	HL
"	"	"	"	"	"	"	"	46 45	51	Y	–	HL
"	"	"	"	"	"	"	"	44 42	—	Y	–	HL
131	15-08	1630	88°	295	TT	420	9.	57 55	58	Y	–	HL
"	"	"	"	"	"	"	"	57 52	59	Y	–	HL
"	"	"	"	"	"	"	"	55 55	—	Y	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE FUSION SEAMING LOG

DATE	TIME	SAMPLE NUMBER	AMBIENT TEMPERATURE	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE	SAMPLE TYPE	SPEED	PEEL 1	PEEL 2	PEEL 3	PEEL 4	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
8/21/95	845	132	81	TT	295	425	T/T	8	58	62	56	69	57	58	P	NMB
8/21/95	1000	133	81	KO	1113	420	T/T	9	61	62	54	58	60	54	P	NMB
8/21/95	1300	134	86	KO	1113	420	T/T	9	54	64	50	54	57	52	P	NMB
8/21/95	1318	135	86	TT	295	425	T/T	8	60	56	52	50	56	50	P	NMB
8/22/95	800	136	81	KO	1113	420	T/T	9	61	55	58	51	51	54	P	NMB
8/22/95	900	137	81	TT	295	425	T/T	9	58	60	56	54	50	54	P	NMB
8/22/95	1306	138	83	KO	1113	420	T/T	10	56	57	57	56	55	52	P	NMB
8/22/95	1320	139	84	TT	295	425	T/T	9	54	54	56	54	53	54	P	NMB
8/23/95	740	140	80	TT	295	425	T/T	8	64	53	57	55	51	52	P	NMB
8/23/95	800	141	80	KO	1113	420	T/T	9	62	60	58	50	52	54	P	NMB
8/23/95	1250	142	83	KO	1113	420	T/T	9	49	63	63	52	52	52	P	NMB
8/23/95	1306	143	83	TT	295	425	T/T	10	46	44	54	56	56	54	P	NMB
8/24/95	816	144	79	JM	295	425	T/T	10	61	48	59	55	54	53	P	NMB
8/24/95	900	145	81	KO	1113	420	T/T	9	55	59	62	53	52	56	P	NMB
8/24/95	1300	146	85	KO	1113	420	T/T	9	52	56	54	54	54	62	P	NMB
8/24/95	1310	147	85	JM	295	425	T/T	9	54	52	50	54	56	54	P	NMB
8/25/95	800	148	80	KO	1113	420	T/T	9	49	51	55	52	54	62	P	NMB
8/25/95	840	149	80	JM	295	425	T/T	10	51	60	54	51	55	60	P	NMB
8/25/95	1300	150	81	KO	1113	420	T/T	10	50	53	51	50	52	54	P	NMB
8/25/95	1306	151	81	JM	295	425	T/T	10	51	49	52	49	51	54	P	NMB
8/26/95	800	152	80	KO	1113	420	T/T	10	54	56	53	54	50	54	P	NMB
8/26/95	815	153	80	TT	295	425	T/T	10	53	52	56	52	52	54	P	NMB
8/26/95	1300	154	81	KO	1113	420	T/T	10	52	54	54	53	53	58	P	NMB
8/26/95	1310	155	81	TT	295	425	T/T	9	51	51	55	54	54	59	P	NMB
8/28/95	730	156	80	KO	1113	420	T/T	9	62	54	56	57	62	62	P	NMB
8/28/95	740	157	80	TT	295	425	T/T	9	50	58	60	52	60	58	P	NMB
8/28/95	1300	158	81	KO	1113	420	T/T	9	50	52	53	59	50	55	P	NMB
8/28/95	1305	159	81	TT	295	425	T/T	10	50	52	54	57	62	57	P	NMB
8/30/95	730	160	79	KO	1113	420	T/T	8	49	50	49	50	60	63	P	NMB
8/30/95	800	161	79	TT	295	425	T/T	9	48	52	53	57	61	59	P	NMB
8/30/95	1250	162	81	KO	1113	420	T/T	9	49	57	58	60	53	59	P	NMB
8/30/95	1300	163	81	TT	295	425	T/T	9	58	49	52	56	62	67	P	NMB
8/31/95	750	164	78	KO	1113	420	T/T	8	52	56	57	56	62	64	P	NMB
8/31/95	755	165	78	TT	295	425	T/T	9	54	49	58	52	63	60	P	NMB
8/31/95	1245	166	80	KO	1113	420	T/T	9	52	50	53	55	60	54	P	NMB
8/31/95	1300	167	80	TT	295	425	T/T	9	52	56	58	60	57	60	P	NMB
9/1/95	745	168	76	KO	1113	420	T/T	9	52	54	56	52	60	68	P	NMB
9/1/95	800	169	76	TT	295	425	T/T	9	49	55	52	60	66	62	P	NMB
9/8/95	825	170	80	KO	1155	420	T/T	9	60	61	56	55	63	62	P	NMB
9/8/95	830	171	80	TT	295	425	T/T	9	64	62	69	60	66	68	P	NMB
9/8/95	1250	172	78	KO	1155	420	T/T	9	62	59	63	58	71	69	P	NMB
9/8/95	1305	173	78	TT	295	425	T/T	9	64	65	66	62	72	71	P	NMB
9/9/95	730	174	75	KO	1155	420	T/T	7	68	67	69	67	73	75	P	NMB
9/9/95	740	175	75	TT	295	425	T/T	8	70	68	71	70	72	73	P	NMB
9/9/95	1255	176	78	KO	1115	420	T/T	8	55	54	55	57	58	59	P	NMB
9/9/95	1300	177	78	TT	295	425	T/T	9	62	63	61	62	70	68	P	NMB
9/11/95	750	178	78	TT	295	425	T/T	9	70	69	71	76	69	68	P	NMB
9/11/95	800	179	78	KO	1155	420	T/T	8	70	73	73	71	76	75	P	NMB
9/11/95	1300	180	80	KO	1155	420	T/T	9	59	61	66	65	60	62	P	NMB

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE FUSION SEAMING LOG

DATE	TIME	SAMPLE NUMBER	AMBIENT TEMPERATURE	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE	SAMPLE TYPE	SPEED	PEEL 1	PEEL 2	PEEL 3	PEEL 4	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
9/11/95	1310	181	80	TT	295	425	T/T	9	61	63	61	60	69	71	P	NMB
9/12/95	750	182	77	KO	1155	420	T/T	9	64	67	63	67	67	69	P	NMB
9/12/95	800	183	77	TT	295	425	T/T	8	70	74	69	76	72	73	P	NMB
9/12/95	1311	184	80	KO	1155	420	T/T	11	46	44	43	45	49	68	P	NMB
9/12/95	1335	185	80	KC	295	420	T/T	9	50	48	47	55	57	65	P	NMB
9/16/95	1015	186	75	TT	295	425	T/T	7	70	70	71	70	73	72	P	JJP
9/16/95	1030	187	75	KO	1155	420	T/T	7	73	74	71	74	73	72	P	JJP
9/16/95	1230	188	77	TT	295	420	T/T	7	59	58	58	59	70	70	P	JJP
9/21/95	1305	189	70	TT	295	425	T/T	7	60	61	62	60	70	70	P	JJP
9/21/95	1315	190	70	KO	1155	420	T/T	9	54	62	56	60	64	66	P	JJP
9/28/95	850	191	70	TT	295	425	T/T	9	60	54	58	63	59	68	P	NMB
9/28/95	915	192	72	KO	1155	420	T/T	8	54	59	61	58	63	67	P	NMB
9/28/95	1310	193	72	TT	295	425	T/T	9	56	55	50	68	64	63	P	NMB
9/28/95	1315	194	72	KO	1155	420	T/T	8	50	56	54	59	63	60	P	NMB
9/29/95	800	195	70	TT	295	425	T/T	9	52	54	56	60	63	68	P	NMB
9/29/95	845	196	70	KO	1155	420	T/T	9	55	53	59	57	61	69	P	NMB
9/29/95	1300	197	70	TT	295	425	T/T	9	55	56	60	63	63	69	P	NMB
9/29/95	1306	198	70	KO	1155	420	T/T	9	54	52	62	63	61	58	P	NMB
9/30/95	705	199	65	TT	295	425	T/T	8	50	52	62	63	63	64	P	NMB
9/30/95	710	200	65	KO	1155	420	T/T	8	55	56	57	60	61	67	P	NMB
9/30/95	1240	201	67	TT	295	425	T/T	8	52	54	56	57	60	68	P	NMB
9/30/95	1250	202	67	KO	1155	420	T/T	8	50	54	53	51	59	62	P	NMB
10/2/95	715	203	70	TT	295	425	T/T	9	51	52	54	56	60	62	P	NMB
10/2/95	720	204	70	KO	1155	420	T/T	9	50	49	58	54	60	61	P	NMB
10/2/95	1240	205	70	TT	295	425	T/T	9	52	51	56	57	64	63	P	NMB
10/2/95	1255	206	70	KO	1155	420	T/T	9	51	53	57	56	61	69	P	NMB
10/3/95	740	207	71	TT	295	425	T/T	9	68	67	64	62	70	69	P	NMB
10/3/95	745	208	71	KO	1155	420	T/T	9	64	66	69	64	71	73	P	NMB
10/3/95	1240	209	73	TT	295	425	T/T	9	57	58	59	57	63	64	P	NMB
10/3/95	1245	210	73	KO	1155	420	T/T	9	54	56	60	55	60	59	P	NMB
10/4/95	730	211	69	KO	1155	420	T/T	9	62	60	64	63	70	66	P	NMB
10/4/95	750	212	69	TT	295	425	T/T	9	67	65	68	67	70	70	P	NMB
10/9/95	1300	213	72	TT	295	425	T/T	9	61	60	62	61	70	71	P	NMB
10/9/95	1330	214	72	KO	1155	420	T/T	9	66	64	68	65	70	74	P	NMB
10/10/95	750	215	65	TT	295	425	T/T	9	56	69	62	68	72	76	P	NMB
10/10/95	800	216	65	KO	1155	420	T/T	9	60	63	65	72	71	69	P	NMB
10/10/95	1250	217	71	TT	295	425	T/T	9	53	64	68	71	76	62	P	NMB
10/10/95	1255	218	71	KO	1155	420	T/T	9	64	56	59	67	70	69	P	NMB
10/11/95	1250	219	70	KO	1155	420	T/T	9	62	63	61	60	67	65	P	NMB
10/11/95	1300	220	70	CS	295	430	T/T	9	65	63	67	66	68	69	P	NMB
10/12/95	730	221	69	KO	1155	420	T/T	9	60	59	56	61	74	72	P	NMB
10/12/95	820	222	69	CS	295	425	T/T	9	70	72	71	75	73	74	P	NMB
10/12/95	1235	223	76	KO	1155	420	T/T	9	66	61	60	63	61	64	P	NMB
10/12/95	1300	224	76	CS	295	425	T/T	9	63	65	64	63	64	62	P	NMB
10/13/95	740	225	71	KO	1155	420	T/T	9	64	61	62	64	65	63	P	NMB
10/13/95	750	226	71	CS	295	425	T/T	9	55	65	61	59	65	69	P	NMB
10/13/95	1245	227	72	KO	1155	420	T/T	9	54	65	56	69	72	69	P	NMB
10/13/95	1255	228	72	CS	295	430	T/T	8	56	63	63	59	68	72	P	NMB
10/14/95	730	229	64	KO	1155	425	T/T	9	66	68	67	65	66	67	P	NMB

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE FUSION SEAMING LOG

DATE	TIME	SAMPLE NUMBER	AMBIENT TEMPERATURE	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE	SAMPLE TYPE	SPEED	PEEL 1	PEEL 2	PEEL 3	PEEL 4	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
10/14/95	735	230	64	CS	295	430	T/T	9	59	60	58	59	61	60	P	NMB
10/14/95	1235	231	70	KO	1155	425	T/T	9	65	62	63	60	65	67	P	NMB
10/14/95	1250	232	70	CS	295	430	T/T	9	60	55	63	58	63	64	P	NMB
10/16/95	1245	233	71	KO	1155	425	T/T	9	50	57	58	55	59	58	P	NMB
10/16/95	1330	234	71	CS	295	430	T/T	9	55	56	57	59	60	58	P	NMB
10/17/95	715	235	62	CS	295	430	T/T	9	56	61	58	57	59	57	P	NMB
10/17/95	725	236	62	KO	1155	425	T/T	9	62	60	64	65	67	65	P	NMB
10/17/95	1240	237	68	CS	295	430	T/T	9	56	62	63	59	67	69	P	NMB
10/17/95	1250	238	68	KO	1155	425	T/T	9	63	65	75	68	70	68	P	NMB
10/18/95	745	239	49	CS	295	430	T/T	9	71	72	70	68	70	71	P	NMB
10/18/95	750	240	49	KO	1155	425	T/T	9	75	72	74	71	79	77	P	NMB
10/18/95	1245	241	70	CS	295	430	T/T	9	68	68	70	72	68	75	P	NMB
10/18/95	1250	242	70	KO	1155	425	T/T	9	60	62	64	63	64	63	P	NMB
10/19/95	720	243	63	CS	295	430	T/T	9	54	56	63	64	64	71	P	NMB
10/19/95	1245	244	70	CS	295	430	T/T	10	53	52	62	59	63	72	P	NMB
10/20/95	730	245	60	KO	1155	425	T/T	9	52	54	60	64	71	68	P	NMB
10/20/95	745	246	60	CS	295	430	T/T	10	55	53	63	66	75	69	P	NMB
10/20/95	1240	247	71	KO	1155	425	T/T	9	56	52	63	61	69	67	P	NMB
10/20/95	1245	248	71	CS	295	430	T/T	10	55	60	62	63	71	69	P	NMB
10/25/95	735	249	54	cs	295	430	T/T	9	60	67	62	64	69	70	P	NMB
10/25/95	800	250	54	KO	1155	425	T/T	8	61	62	64	63	75	77	P	NMB
10/25/95	1240	251	64	CS	295	430	T/T	9	59	61	62	60	65	67	P	NMB
10/25/95	1245	252	64	KO	1155	425	T/T	9	58	59	57	61	65	66	P	NMB
10/26/95	730	253	56	CS	295	430	T/T	9	63	68	69	66	70	69	P	NMB
10/26/95	755	254	56	KO	1155	425	T/T	9	67	70	66	71	73	72	P	NMB
10/26/95	1250	255	65	KO	1155	425	T/T	9	61	63	65	62	71	70	P	NMB
10/26/95	1300	256	65	CS	295	430	T/T	9	66	63	67	69	72	74	P	NMB
10/27/95	730	257	52	CS	295	430	T/T	9	60	58	67	59	70	71	P	NMB
10/27/95	750	258	52	KO	1155	425	T/T	9	75	73	72	70	77	75	P	NMB
10/30/95	1245	259	60	KEO	295	430	T/T	9	56	61	61	62	67	66	P	JJP
11/1/95	800	260	54	CS	295	420	T/T	9	61	61	61	60	68	68	P	JJP
11/6/95	1300	261	50	CS	295	430	T/T	8	69	68	67	66	70	67	P	JJP
11/6/95	1315	262	50	KO	1155	425	T/T	7	67	69	69	69	67	69	P	JJP
11/7/95	730	263	41	CS	295	430	T/T	5	67	70	66	72	70	71	P	DWW
11/7/95	750	264	42	KO	1155	425	T/T	5	72	75	78	76	78	76	P	DWW
11/8/95	745	265	44	KO	1155	425	T/T	5	65	68	61	67	75	73	P	DWW
11/9/95	1255	266	43	KO	1155	425	T/T	5	61	64	68	60	69	66	P	DWW
11/13/95	730	267	44	KO	1155	425	T/T	5	68	64	65	67	66	64	P	DWW
11/13/95	1245	268	46	KO	1155	425	T/T	5	63	66	66	64	69	69	P	DWW
11/13/95	1245	269	47	CS	295	430	T/T	5	67	72	69	70	70	69	P	DWW
11/16/95	715	270	39	CS	295	430	T/T	5	60	65	62	70	72	70	P	DWW
11/16/95	800	271	40	KO	1155	425	T/T	5	63	59	62	59	65	63	P	DWW
11/16/95	1250	272	43	KO	1155	425	T/T	5	63	65	61	62	65	63	P	DWW
11/17/95	1100	273	45	KO	1155	425	T/T	5	58	60	60	64	61	63	P	DWW
11/17/95	1250	274	45	CS	295	430	T/T	5	66	61	65	66	70	68	P	DWW
11/18/95	730	275	45	CS	295	430	T/T	5	63	69	61	70	70	71	P	DWW
11/18/95	733	276	47	KO	1155	425	T/T	7	60	64	62	62	67	65	P	DWW
11/18/95	1240	277	48	CS	295	430	T/T	5	65	67	69	66	70	71	P	DWW
11/18/95	1230	299	45	KO	1155	430	T/T	5	68	69	70	71	69	70	P	DWW

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE FUSION SEAMING LOG

DATE	TIME	SAMPLE NUMBER	AMBIENT TEMPERATURE	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE	SAMPLE TYPE	SPEED	PEEL 1	PEEL 2	PEEL 3	PEEL 4	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
11/20/95	730	278	42	CS	295	430	T/T	5	66	63	65	65	69	67	P	DWW
11/20/95	740	279	43	KO	1155	425	T/T	5	67	67	67	63	64	66	P	DWW
11/20/95	1145	280	45	KO	1155	425	T/T	8	65	62	67	64	67	66	P	DWW
11/20/95	1250	281	47	CS	295	430	T/T	5	66	64	68	67	71	68	P	DWW
11/21/95	730	282	40	CS	295	430	T/T	5	64	66	63	60	67	66	P	DWW
11/21/95	810	283	44	KO	1155	425	T/T	6	62	61	60	61	65	63	P	DWW
11/21/95	1240	284	46	CS	295	430	T/T	5	67	66	67	68	70	66	P	DWW
11/21/95	1235	300	48	KO	1155	430	T/T	5	70	71	69	68	72	71	P	DWW
11/22/95	735	285	45	CS	295	430	T/T	5	62	66	70	67	71	68	P	DWW
11/22/95	750	286	44	KO	1155	425	T/T	5	63	68	63	65	71	73	P	DWW
11/22/95	1240	287	48	CS	295	430	T/T	5	67	66	67	66	70	66	P	DWW
11/22/95	1245	288	48	KO	1155	425	T/T	5	58	60	61	62	62	64	P	DWW
11/27/95	740	289	40	CS	295	430	T/T	5	58	66	67	62	67	69	P	DWW
11/27/95	745	290	40	KO	1155	425	T/T	5	63	60	64	63	65	67	P	DWW
11/27/95	725	291	44	CS	1117	430	T/T	5	60	63	57	58	68	66	P	DWW
11/27/95	1250	292	45	KO	1155	425	T/T	5	62	61	60	59	65	67	P	DWW
11/27/95	1238	301	45	CS	1117	425	T/T	5	68	68	67	69	70	72	P	DWW
11/28/95	730	293	42	CS	1117	430	T/T	5	63	66	66	67	67	70	P	DWW
11/28/95	745	294	44	KO	1155	425	T/T	5	65	67	66	64	68	66	P	DWW
11/28/95	1245	295	47	KO	1155	425	T/T	5	60	62	61	64	63	65	P	DWW
11/28/95	1240	296	48	CS	1117	430	T/T	5	65	60	58	57	62	64	P	DWW
12/2/95	735	297	44	KO	1155	425	T/T	5	68	70	70	73	71	69	P	DWW
12/2/95	740	298	44	CS	295	430	T/T	3	71	70	65	70	68	70	P	DWW
12/2/95	1235	299	45	CS	295	430	T/T	3	69	71	70	68	71	72	P	DWW
12/4/95	735	300	38	CS	295	430	T/T	3	66	68	70	69	71	68	P	DWW
12/4/95	1245	301	44	CS	295	430	T/T	3	69	69	68	70	72	68	P	DWW
12/5/95	733	302	42	CS	295	430	T/T	3	63	65	65	65	64	63	P	DWW
12/5/95	738	303	41	KO	1155	425	T/T	5	65	64	64	63	67	63	P	DWW
12/5/95	735	304	41	CS	295	430	T/T	3	66	68	64	65	67	67	P	DWW
12/6/95	800	305	38	CS	295	430	T/T	3	64	63	63	65	65	65	P	DWW

SUB APPENDIX R–2

EXTRUSION

TRIAL SEAMS

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET °C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
1	26/4	1:25	64	281	KP	220	230	49	53	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	53	53	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	55	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
2	26/4	1:30	64	291	TT	210	225	51	55	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	47	59	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	53	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
3	27/4	7:50	52	281	KP	220	235	62	60	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	55	61	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	63	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
4	27/4	7:45	52	281	YS	220	235	54	59	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	61	58	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	64	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
5	27/4	7:46	52	291	TT	205	230	58	61	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	59	60	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	60	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
6	27/4	7:30	51	291	JM	205	230	64	61	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	60	62	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	61	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
7	27/4	1:25	68	291	TT	205	230	56	52	P	—	GD
↓	↓	↓	↓	↓	↓	↓	↓	50	55	P	—	GD
								55	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
8	4/5	0730	57°	281	KP	220	235	60/59	59/58	P	—	
—	4/5	—	—	—	—	—	—	60	—	—	—	—
9	~~1330~~	1330	68°	281	KP	220	235	59/59	58/60	P	—	
10	5/5	7:30	56°	291	TT	205	230	58	58	P	—	GD
"	"	"	"	"	"	"	"	62	59	P	—	GD
"	"	"	"	"	"	"	"	59	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
11	5/5	7:35	56°	281	KP	220	235	62	62	P	—	GD
"	"	"	"	"	"	"	"	59	65	P	—	GD
"	"	"	"	"	"	"	"	59	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
12	5/5	7:40	56°	281	KP	220	230	57	60	P	—	GD
"	"	"	"	"	"	"	"	61	58	P	—	GD
"	"	"	"	"	"	"	"	59	—	P	—	GD
13	8/5	0800	48°	281	KP	215	230	60/64	62	P	—	
"	"	"	"	"	"	"	"	56	63	P	—	—
14	8/5	1250	62°	281	KP	215°	230°	59/60	59	P	—	MJ
"	"	"	"	"	"	"	"	55	54	P	—	—
15	9/5	0700	55°	281	KP	210	225	60/53	53	P	—	
"	"	"	"	"	"	"	"	50	55	P	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
16	9/5	745	57	281	YS	210	225	58/59	59	P	–	MJ
"	"	"	"	"	"	"	"	59	63	P	–	–
17	9/5	745	57	291	JM	205	230	54/61	64	P	–	MJ
"	"	"	"	"	"	"	"	62	62	P	–	–
18	9/5	752	60	291	TT	205	230	58/58	55	P	–	MJ
"	"	"	"	"	"	"	"	54	59	P	–	–
19	9/5	300	69	281	TT	200	220	54/53	54	P	–	MJ
"	"	"	"	"	"	"	"	52	54	P	–	–
20	30/5	830	65	291	KP	200	215	53/53	54	P	–	MJ
"	"	"	"	"	"	"	"	53	55	P	–	–
21	31/5	1000	70	291	RF	220	235	59/58	59	P	–	MJ
"	"	"	"	"	"	"	"	59	61	P	–	–
22	2/6	1030	76	281	KP	220	225	58/58	58	P	–	MJ
"	"	"	"	"	"	"	"	57	60	P	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–
23	8/6	8:00	74	281	KC	210	215	51/52	55	P	–	GD
"	"	"	"	"	"	"	"	57	51	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
24	8/6	12:59	85°	291	TT	210	215	52/53	54	P	–	GD
"	"	"	"	"	"	"	"	52	54	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
25	9/6	9:30	65	291	KC	210	215	55/57	56	P	–	GD
"	"	"	"	"	"	"	"	55	56	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 9 day 6 month 95 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
R6	9/6	1300	78	291	KC	220	230	55	57	P	—	DO
"	"	"	"	"	"	"	"	55	57	P	—	DW
"	"	"	"	"	"	"	"	54	—	P	—	DW
—	—	—	—	—	—	—	—	—	—	—	—	—
27	12/Lo	8:30	Lo2	291	LA	220	230	54	53	P	—	GD
"	"	"	"	"	"	"	"	53	54	P	—	GD
"	"	"	"	"	"	"	"	52	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
28	12/Lo	8:30	Lo2	291	K.O.	220	230	50	52	P	—	GD
"	"	"	"	"	"	"	"	52	51	P	—	GD
"	"	"	"	"	"	"	"	49	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
29	14/Lo	Lo:45	Lo2	291	K.C.	220	230	Lo1	Lo2	P	—	GD
"	"	"	"	"	"	"	"	Lo1	57	P	—	GD
"	"	"	"	"	"	"	"	Lo0	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
30	14/Lo	12:45	75	291	K.C.	220	230	57	Lo7	P	—	GD
"	"	"	"	"	"	"	"	Lo1	73	P	—	GD
"	"	"	"	"	"	"	"	58	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
31	15/Lo	7:00	64	291	LA+KC	220	230	—	72	—	F	GD
"	"	"	"	"	"	"	"	—	78	—	F	GD
"	"	"	"	"	"	"	"	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 15 day 6 month June year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°F)	BARREL (°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
32	15/6	13:00	64	291	K.C	220	230	55	64	—	F	GD
"	"	"	"	"	"	"	"	50	68	P	P	GD
"	"	"	"	"	"	"	"	55	—	P	P	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
33	16/6	7:15	69	281	KC	220	230	61	61	P	—	GD
"	"	"	"	"	"	"	"	61	62	P	—	GD
"	"	"	"	"	"	"	"	59	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
34	16/6	12:30	89	281	KC.	220	230	53	58	P	—	GD
"	"	"	"	"	"	"	"	51	59	P	—	GD
"	"	"	"	"	"	"	"	57	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
35	19/6	7:00	75	291	KC.	205	210	57	64	P	—	GD
"	"	"	"	"	"	"	"	60	62	P	—	GD
"	"	"	"	"	"	"	"	61	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
36	19/6	7:00	75	281	K.O.	200	210	57	56	P	—	GD
"	"	"	"	"	"	"	"	56	55	P	—	GD
"	"	"	"	"	"	"	"	54	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
37	19/6	8:30	86	281	KC.	200	210	58	56	P	—	GD
"	"	"	"	"	"	"	"	55	57	P	—	GD
"	"	"	"	"	"	"	"	56	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
38	19/Lo	12:45	95	291	K.C.	205	210	46	47	P	—	GD
"	"	"	"	"	"	"	"	47	47	P	—	GD
"	"	"	"	"	"	"	"	46	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
39	19/Lo	12:45	95	281	K.O	200	200	54	55	P	—	GD
"	"	"	"	"	"	"	"	56	58	P	—	GD
"	"	"	"	"	"	"	"	55	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
40	19/Lo	13:00	95	281	T.T.	200	200	53	53	P	—	GD
"	"	"	"	"	"	"	"	52	56	P	—	GD
"	"	"	"	"	"	"	"	58	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
41	20/Lo	7:00		291	K.C.	210	215	68	68	P	—	GD
"	"	"		"	"	"	"	67	69	P	—	GD
"	"	"		"	"	"	"	68	—	P	—	GD
—	—	—	—	—	—	—	—				—	—
42	20/Lo	12:30		291	K.C.	210	215	69	72	P	—	GD
"	"	"		"	"	"	"	70	73	P	—	GD
"	"	"		"	"	"	"	66	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
43	22/Lo	8:00	70°	291	K.C.	210	215	68	69	P	—	GD
"	"	"	"	"	"	"	"	67	65	P	—	GD
"	"	"	"	"	"	"	"	69	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 1995 year

CONTRACTOR: GunDie TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
44	22/06	12:30	80°	291	K.C.	210	215	65	68	P	—	GD
"	"	"	"	"	"	"	"	65	73	P	—	GD
"	"	"	"	"	"	"	"	80	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
45		"NO TEST PERFORMED"										
46		"NO TEST PERFORMED"										
47	23/06	7:30	65	281	K.C.	210	215	77	79	P	—	GD
"	"	"	"	"	"	"	"	73	74	P	—	GD
"	"	"	"	"	"	"	"	60	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
48	23/06	9:50	74	291	VS	205	215	69	75	P	—	GD
"	"	"	"	"	"	"	"	64	71	P	—	GD
"	"	"	"	"	"	"	"	71	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
49	23/06	9:45	71	291	K.O.	205	215	71	72	P	—	GD
"	"	"	"	"	"	"	"	73	73	P	—	GD
"	"	"	"	"	"	"	"	69	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
50	23/6	1:00	76	281	K.C.	210	215	74	77	P	–	GD
"	"	"	"	"	"	"	"	76	73	P	–	GD
"	"	"	"	"	"	"	"	77	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
51	26/6	8:00	68	281	K.C.	210	215	71	70	P	–	GD
"	"	"	"	"	"	"	"	69	76	P	–	GD
"	"	"	"	"	"	"	"	71	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
52	26/6	6:50	65	291	K.O	205	215	77	76	P	–	GD
"	"	"	"	"	"	"	"	76	79	P	–	GD
"	"	"	"	"	"	"	"	81	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
53	26/6	8:30	69	227	C.S.	205	210	73	78	P	–	GD
"	"	"	"	"	"	"	"	73	77	P	–	GD
"	"	"	"	"	"	"	"	70	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
54	26/6	1:00	83	281	K.C.	205	215	67	69	P	–	GD
"	"	"	"	"	"	"	"	66	72	P	–	GD
"	"	"	"	"	"	"	"	72	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
55	26/6	1:00	83	291	K.O.	205	215	73	79	P	–	GD
"	"	"	"	"	"	"	"	68	71	P	–	GD
"	"	"	"	"	"	"	"	66	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
56	26/6	1:00	83	52	C.S.	205	210	71	80	P	–	GD
"	"	"	"	"	"	"	"	75	88	P	–	GD
"	"	"	"	"	"	"	"	67	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
57	26/6	1:00	83	227	T.T.	200	225	70	78	P	–	GD
"	"	"	"	"	"	"	"	73	80	P	–	GD
"	"	"	"	"	"	"	"	74	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
58	28/6	8:30	63	52	K.S.	205	210	70	63	P	–	GD
"	"	"	"	"	"	"	"	73	72	P	–	GD
"	"	"	"	"	"	"	"	69	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
59	28/6	8:30	63	281	K.C.	210	215	68	74	P	–	GD
"	"	"	"	"	"	"	"	68	68	P	–	GD
"	"	"	"	"	"	"	"	64	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
60	28/6	7:30	60	227	TT	205	230	74	73	P	–	GD
"	"	"	"	"	"	"	"	79	76	P	–	GD
"	"	"	"	"	"	"	"	74	–	P	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
61	28/6	12:30	74	52	K.S.	205	210	72	69	P	–	GD
"	"	"	"	"	"	"	"	72	73	P	–	GD
"	"	"	"	"	"	"	"	70	–	–	–	GD
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wagener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F)/(°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/(C)°F)	EXTRUSION BARREL (C)/°F)	TEST RESULTS PEEL (ppi)/psi)	TEST RESULTS SHEAR (ppi)/psi)	PASS	FAIL	QA ID
62	28/6	12:30	74	281	K.C.	210	215	59	62	P	—	GD
"	"	"	"	"	"	"	"	60	60	P	—	GD
"	"	"	"	"	"	"	"	59	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
63	30/6	7:00	62	52	CS	205	210	77	83	P	—	GD
"	"	"	"	"	"	"	"	78	81	P	—	GD
"	"	"	"	"	"	"	"	77	—	P	—	GD
—	—	—	—	—	—	—	—	—	—	—	—	—
64	30/6	12:30	74	281	VS	205	210	74	77	P	—	GD
"	"	"	"	"	"	"	"	75	77	P	—	GD
"	"	"	"	"	"	"	"	73	—	P	—	GD
65	29-6	0805	58°	# 52	CHRIS	210	205	68	73	P	—	HL
"	"	"	"	"	"	"	"	70	71	P	—	HL
"	"	"	"	"	"	"	"	68	—	P	—	HL
66	29-06	0805	58°	# 281	VANH	210	205	55	67	P	—	HL
"	"	"	"	"	"	"	"	57	64	P	—	HL
"	"	"	"	"	"	"	"	56	—	P	—	HL
67	29-06	1245		# 52	CHRIS	210	205	74	81	P	—	HL
"	"	"		"	"	"	"	74	83	P	—	HL
"	"	"		"	"	"	"	70	—	P	—	HL
68	29-06	1245		# 281	VANH	210	205	66	69	P	—	HL
"	"	"		"	"	"	"	67	71	P	—	HL
"	"	"		"	"	"	"	64	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wedgenor

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/(C) °F)	BARREL ((C) °F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
69	03-07	1235	77°	#52	C.S.	205	200	73	83	P	—	HL
"	"	"	"	"	"	"	"	71	94	Y	—	HL
"	"	"	"	"	"	"	"	72	—	Y	—	HL
70	03-07	1240	77°	#281	KC	210	205	67	83	Y	—	HL
"	"	"	"	"	"	"	"	68	84	Y	—	HL
"	"	"	"	"	"	"	"	69	—	Y	—	HL
71	03-07	1245	77°	#291	V.S.	217	200	64	69	Y	—	HL
"	"	"	"	"	"	"	"	64	68	Y	—	HL
"	"	"	"	"	"	"	"	62	—	Y	—	HL
72	03-07	1250	77°	#227	J.M.	220	205	65	69	Y	—	HL
"	"	"	"	"	"	"	"	64	68	Y	—	HL
"	"	"	"	"	"	"	"	65	—	Y	—	HL
73	05-07	0700	68°	#291	V.S.	215	200	69	78	Y	—	HL
"	"	"	"	"	"	"	"	72	84	Y	—	HL
"	"	"	"	"	"	"	"	75	—	Y	—	HL
74	05-07	0700	68°	#281	K.C	210	205	72	83	Y	—	HL
"	"	"	"	"	"	"	"	69	69	Y	—	HL
"	"	"	"	"	"	"	"	74	—	Y	—	HL
75	05-07	0725	68°	#52	C.S.	205	200	76	81	Y	—	HL
"	"	"	"	"	"	"	"	65	80	Y	—	HL
"	"	"	"	"	"	"	"	70	—	Y	—	HL
76	05-07	1240	78°	#291	V.S.	215	200	68	89	Y	—	HL
"	"	"	"	"	"	"	"	68	83	Y	—	HL
"	"	"	"	"	"	"	"	73	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/C/°F)	BARREL (C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
77	05-07	1245	78°	#52	C.S	205	200	67	79	Y	–	HL
"	"	"	"	"	"	"	"	67	75	Y	–	HL
"	"	"	"	"	"	"	"	68	–	Y	–	HL
78	05-07	1250	78°	#281	KC	210	205	70	74	Y	–	HL
"	"	"	"	"	"	"	"	70	86	Y	–	HL
"	"	"	"	"	"	"		64	–	Y	–	HL
79	05-07	1405	80°	#227	T.T.	225	205	73	71	Y	–	HL
"	"	"	"	"	"	"	"	70	74	Y	–	HL
"	"	"	"	"	"	"	"	67	–	Y	–	HL
80	06-07	0800	68°	#281	KC	210	208	55	60	Y	–	HL
"	"	"	"	"	"	"	"	57	59	Y	–	HL
"	"	"	"	"	"	"	"	56	–	Y	–	HL
81	06-07	0800	68°	#291	V.S.	215	200	57	58	Y	–	HL
"	"	"	"	"	"	"	"	57	56	Y	–	HL
"	"	"	"	"	"	"	"	65	–	Y	–	HL
82	07-07	0700	71°	#281	KC	210	205	64	67	Y	–	HL
"	"	"	"	"	"	"	"	66	69	Y	–	HL
"	"	"	"	"	"	"	"	62	–	Y	–	HL
83	07-07	0710	71°	#291	VS	215	200	60	70	Y	–	HL
"	"	"	"	"	"	"	"	64	72	Y	–	HL
"	"	"	"	"	"	"	"	59	–	Y	–	HL
84	07-07	0715	71°	#52	C.S.	205	200	56	71	Y	–	HL
"	"	"	"	"	"	"	"	55	68	Y	–	HL
"	"	"	"	"	"	"	"	60	–	Y	–	HL
–	–	–	–	–	–	–	–	–	–	–	–	–

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
85.	08-07	AM.	72°	# 281	KC	210	205	59	59	Y	-	HL
"	"	"	"	"	"	"	"	57	64	Y	-	HL
"	"	"	"	"	"	"	"	58	—	Y	-	H.L.
86	08-07	0745	72°	# 291	VS	215	205	52	52	Y	—	H.L.
"	"	"	"	"	"	"	"	51	54	Y	—	H.L.
"	"	"	"	"	"	"	"	55	—	Y	—	H.L.
87	08-07	0750	72°	# 153	T.T.	215	205	58	60	Y	—	H.L.
"	"	"	"	"	"	"	"	58	63	Y	—	H.L.
"	"	"	"	"	"	"	"	58	—	Y	-	H.L.
88	08-07	0755	72°	# 52	CHRIS	210	205	57	57	Y	—	H.L.
"	"	"	"	"	"	"	"	56	53	Y	—	HL
"	"	"	"	"	"	"	"	60	—	Y	—	HL
89	08-07	1230	83°	# 281	KC	210	205	58	69	Y	-	HL
"	"	"	"	"	"	"	"	59	69	Y	—	HL
"	"	"	"	"	"	"	"	59	—	Y	—	HL
90	08-07	1235	83°	# 291	VS	215	205	46	41	Y	-	HL
"	"	"	"	"	"	"	"	49	46	Y	—	HL
"	"	"	"	"	"	"	"	42	—	Y	—	HL
91	08-07	1245	83°	# 153	T.T.	215	205	56	63	Y	—	HL
"	"	"	"	"	"	"	"	51	60	Y	—	HL
"	"	"	"	"	"	"	"	54	—	Y	—	HL
92	08-07	1250	83°	# 52		210	205	49	47	Y	—	HL
"	"	"	"	"	"	"	"	53	47	Y	—	HL
"	"	"	"	"	"	"	"	50	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	-	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

	TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/(C) °F)	EXTRUSION BARREL ((C)/°F)	TEST RESULTS PEEL (ppi)/psi)	TEST RESULTS SHEAR ((ppi)/psi)	PASS	FAIL	QA ID
Am	93	10-07	1000	75°	G-52	CHRIS	205	200	52	55	Y	–	HL
	"	"	"	"	"	"	"	"	56	56	Y	–	HL
	"	"	"	"	"	"	"	"	49	–	Y	–	HL
Am	94	10-07	0950	75°	G-291	VANH	210	205	53	59	Y	–	HL
	"	"	"	"	"	"	"	"	51	52	Y	–	HL
	"	"	"	"	"	"	"	"	54	–	Y	–	HL
Am	95	10-07	0945	75°	G-227	T.T.	220	205	59	57	Y	–	HL
	"	"	"	"	"	"	"	"	59	56	Y	–	HL
	"	"	"	"	"	"	"	"	58	–	Y	–	HL
Am	96	10-07	0940	75°	G-227	JM	220	205	58	60	Y	–	HL
	"	"	"	"	"	"	"	"	53	57	Y	–	HL
	"	"	"	"	"	"	"	"	56	–	Y	–	HL
Am	97	10-07	0955	75°	G-281	KC	205	200	54	57	Y	–	HL
	"	"	"	"	"	"	"	"	58	56	Y	–	HL
	"	"	"		"	"	"	"	58	–	Y	–	HL
Pm	98	10-07	~~1300~~	~~1300~~ 80 HL	G-52	CHRIS	205	200	57	67	Y	–	HL
	"	"	"	"	"	"	"	"	57	68	Y	–	HL
	"	"	"	"	"	"	"	"	59	–	Y	–	HL
Pm	99	10-07	1305	~~1305~~ HL	G-291	VANH	210	205	53	65	Y	–	HL
	"	"	"	80°	"	"	"	"	57	60	Y	–	HL
	"	"	"	"	"	"	"	"	56	–	Y	–	HL
Pm	100	10-07	1310	~~1310~~ HL	G-227	TT	220	205	58	67	Y	–	HL
	"	"	"	80"	"	"	"	"	51	66	Y	–	HL
	"	"	"	"	"	"	"	"	59	–	Y	–	HL
	—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
101	10-07	1315	80°	G-227	JM	220	205	59	64	P	—	HL
"	"	"	"	"	"	"	"	59	69	P	—	HL
"	"	"	"	"	"	"	"	61	—	P	—	HL
102	10-07	1320	80°	G-281	KC	205	200	51	64	P	—	HL
"	"	"	"	"	"	"	"	47	58	P	—	HL
"	"	"	"	"	"	"	"	53	—	P	—	HL
103	11-07	0800	75°	G-52	CHRIS	205	200	54	60	P	—	HL
"	"	"	"	"	"	"	"	55	43	P	—	HL
"	"	"	"	"	"	"	"	50	—	P	—	HL
104	11-07	0805	75°	G-227	JM	220	205	41	64	P	—	HL
"	"	"	"	"	"	"	"	62	63	P	—	HL
"	"	"	"	"	"	"	"	60	—	P	—	HL
105	11-07	0810	75°	G-227	T.T.	220	205	63	69	P	—	HL
"	"	"	"	"	"	"	"	64	73	P	—	HL
"	"	"	"	"	"	"	"	65	—	P	—	HL
106	11-07	0815	75°	G-281	VANH	205	200	60	65	P	—	HL
"	"	"	"	"	"	"	"	54	60	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
107	11-07	1245	80°	G-52	CHRIS	205	200	56	64	P	—	HL
"	"	"	"	"	"	"	"	52	67	P	—	HL
"	"	"	"	"	"	"	"	55	—	P	—	HL
108	11-07	1260	80°	G-227	JM	220	205	58	68	P	—	HL
"	"	"	"	"	"	"	"	59	61	P	—	HL
"	"	"	"	"	"	"	"	52	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day 07 month 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/(C) °F)	BARREL ((C) °F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
109	11-07	1255	80°	G-227	T.T	220	205	59	68	P	–	HL
"	"	"	"	"	"	"	"	57	69	P	–	HL
"	"	"	"	"	"	"	"	57	—	P	–	HL
110	11-07	1300	80°	G-281	VANH	205	200	56	64	P	–	HL
"	"	"	"	"	"	"	"	52	67	P	–	HL
"	"	"	"	"	"	"	"	55	—	P	–	HL
111	03-07	0745	59°	G-291	V.S.	215	205	57	67	P	–	HL
"	"	"	"	"	"	"	"	54	68	P	–	HL
"	"	"	"	"	"	"	"	59	—	P	–	HL
112	03-07	0750	59°	G-281	KC	210	205	51	63	P	–	HL
"	"	"	"	"	"	"	"	58	68	P	–	HL
"	"	"	"	"	"	"	"	47	—	P	–	HL
113	03-07	0755	59°	G-52	CHRIS	210	200	61	66	P	–	HL
"	"	"	"	"	"	"	"	56	66	P	–	HL
"	"	"	"	"	"	"	"	59	—	P	–	HL
114	12-07	0745	67°	G-52	CHRIS	205	200	63	69	P	–	HL
"	"	"	"	"	"	"	"	63	73	P	–	HL
"	"	"	"	"	"	"	"	65	—	P	–	HL
115	12-07	0750	67°	G-291	VANH	205	200	57	70	P	–	HL
"	"	"	"	"	"	"	"	61	72	P	–	HL
"	"	"	"	"	"	"	"	63	—	P	–	HL
116	12-07	1000	69°	G-227	JM	220	205	68	71	P	–	HL
"	"	"	"	"	"	"	"	64	73	P	–	HL
"	"	"	"	"	"	"	"	69	—	P	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: ____ day ____ month 1985 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
117	12-07	1015	69°	G-227	T.T.	220	205	47	75	P	—	HL
"	"	"	"	"	"	"	"	67	75	P	—	HL
"	"	"	"	"	"	"	"	44	—	P	—	HL
118	12-07	1245	80°	G-52	CHRIS	205	200	40	47	P	—	HL
"	"	"	"	"	"	"	"	63	44	P	—	HL
"	"	"	"	"	"	"	"	58	—	P	—	HL
119	12-07	1250	80°	G-281	VANH	205	200	53	69	P	—	HL
"	"	"	"	"	"	"	"	57	44	P	—	HL
"	"	"	"	"	"	"	"	50	—	P	—	HL
120	12-07	1300	80°	G-227	JM	220	205	64	69	P	—	HL
"	"	"	"	"	"	"	"	41	69	P	—	HL
"	"	"	"	"	"	"	"	54	—	P	—	HL
121	12-07	1315	80°	G-227	TT	220	205	68	73	P	—	HL
"	"	"	"	"	"	"	"	60	69	P	—	HL
"	"	"	"	"	"	"	"	61	—	P	—	HL
122	13-07	AM	75°	G-52	VANH	210	205	60	65	P	—	HL
"	"	"	"	"	"	"	"	57	69	P	—	HL
"	"	"	"	"	"	"	"	63	—	P	—	HL
123	13-07	AM	75°	G-281	KC	210	205	61	68	P	—	HL
"	"	"	"	"	"	"	"	44	40	P	—	HL
"	"	"	"	"	"	"	"	62	—	P	—	HL
124	1307	PM	88°	G-52	VANH	210	205	55	60	P	—	HL
"	"	"	"	"	"	"	"	58	57	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITHOUT TEMPERATURE)

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 1985 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	MACHINE NO.	OPER ID	(1) MATERIAL DESCRIPTION T/T	EXTRUSION PREHEAT (SET °C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	RE-TEST NO.	QA ID
125	30-06	0700	G-281	K.C.	40VLDPE	210	205	69	77	P	—	—	H.L.
	"	"	"	"	"	"	"	71	80	P	—	—	H.L.
	"	"	"	"	"	"	"	71	—	P	—	—	H.L.
126	30-06	0700	G-291	VANK	40VLDPE	215	200	73	73	P	—	—	H.L.
	"	"	"	"	"	"	"	74	93	P	—	—	H.L.
	"	"	"	"	"	"	"	72	—	P	—	—	H.L.
127	30-06	~~0800~~ H.L.	G-281	K.C.	40VLDPE	210	205	66	73	P	—	—	HL
	"	1250	"	"	"	"	"	64	71	P	—	—	HL
	"	"	"	"	"	"	"	68	—	P	—	—	H.L.
128	30-06	1300	G-291	VANK	40VLDPE	215	200	69	77	P	—	—	HL
	"	"	"	"	"	"	"	68	75	P	—	—	HL
	"	"	"	"	"	"	"	71	—	P	—	—	HL
129	13-07	PM	G-281	KC	40VLDPE	210	205	59	59	P	—	—	HL
"	"	"	"	"	"	"	"	52	59	T	—	—	HL
"	"	"	"	"	"	"	"	55	—	P	—	—	HL
130	1307	PM	G-227	TT	40VLDPE	210	205	58	62	P	—	—	HL
"	"	"	"	"	"	"	"	57	60	P	—	—	HL
"	"	"	"	"	"	"	"	59	—	P	—	—	HL
131	1307	PM	G-227	JM	40VLDPE	210	205	60	59	P	—	—	HL
"	"	"	"	"	"	"	"	50	59	P	—	—	HL
"	"	"	"	"	"	"	"	53	—	T	—	—	HL
132	14-07	AM	G-227	JANH	40VLDPE	205	200	58	64	P	—	—	HL
"	"	"	"	"	"	"	"	56	67	P	—	—	HL
"	"	"	"	"	"	"	"	59	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE: (1) MATERIAL DESCRIPTION REFERS TO EITHER SMOOTH/SMOOTH (S/S); SMOOTH/TEXTURED (S/T); OR TEXTURED/TEXTURED (T/T).

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F / °C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET / °C / °F)	EXTRUSION BARREL (°C / °F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
133	14-07	AM	79°	G-52	CHRIS	205	200	62	61	P	—	HL
"	"	"	"	"	"	"	"	60	65	P	—	HL
"	"	"	"	"	"	"	"	64	—	P	—	HL
134	14-07	AM	79°	G-281	KC	205	200	53	63	P	—	HL
"	"	"	"	"	"	"	"	59	63	P	—	HL
"	"	"	"	"	"	"	"	54	—	P	—	HL
135	14-07	P.M	102°	G-227	VANH	205	200	53	59	P	—	HL
"	"	"	"	"	"	"	"	55	63	P	—	HL
"	"	"	"	"	"	"	"	54	—	P	—	HL
136	14-07	P.M	102°	G-52	CHRIS	205	200	58	61	P	—	HL
"	"	"	"	"	"	"	"	54	61	P	—	HL
"	"	"	"	"	"	"	"	56	—	P	—	HL
137	14-07	P.M	102°	G-281	KC	205	200	56	60	P	—	HL
"	"	"	"	"	"	"	"	55	62	P	—	HL
"	"	"	"	"	"	"	"	55	—	P	—	HL
138	17-07	800	71°	G-52	CHRIS	205	200	59	63	P	—	HL
"	"	"	"	"	"	"	"	58	60	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
139	17-07	0805	71°	G-281	KC	210	200	55	69	P	—	HL
"	"	"	"	"	"	"	"	55	52	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
140	17-07	0810	71°	G-227	VANH	~~210~~ 205 HL	200	59	63	P	—	HL
"	"	"	"	"	"	"	"	59	68	P	—	HL
"	"	"	"	"	"	"	"	42	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wedgewer

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F °C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET °C °F)	BARREL (°C °F)	PEEL (ppi psi)	SHEAR (ppi psi)	PASS	FAIL	
141	17-07	1245	81°	G-52	CHRIS	205	200	53	56	P	—	HL
"	"	"	"	"	"	"	"	54	56	P	—	HL
"	"	"	"	"	"	"	"	58	—	P	—	HL
142	17-07	1250	81°	G-281	KC	210	200	56	57	P	—	HL
"	"	"	"	"	"	"	"	55	57	P	—	HL
"	"	"	"	"	"	"	"	50	—	P	—	HL
143	17-07	1255	81°	G-227	VANH	205	200	61	60	P	—	HL
"	"	"	"	"	"	"	"	63	57	P	—	HL
"	"	"	"	"	"	"	"	60	—	P	—	HL
144	24-07	0910	87°	G-224	T.T.	220	205	59	62	P	—	HL
"	"	"	"	"	"	"	"	59	64	P	—	HL
"	"	"	"	"	"	"	"	53	—	P	—	HL
145	24-07	0920	87°	G-171	CHRIS	205	200	58	62	P	—	HL
"	"	"	"	"	"	"	"	57	62	P	—	HL
"	"	"	"	"	"	"	"	58	—	P	—	HL
146	24-07	1315	94°	G-171	KC	205	200	56	60	P	—	HL
"	"	"	"	"	"	"	"	56	61	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
147	24-07	1320	94°	G-274	CHRIS	205	200	49	60	P	—	HL
"	"	"	"	"	"	"	"	51	64	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
148	24-07	0930	80°	G-171	VANH	205	200	55	60	P	—	HL
"	"	"	"	"	"	"	"	57	53	P	—	HL
"	"	"	"	"	"	"	"	57	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET °C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
149	24-07	1315	85°	G-133	L.K	210	205	58	64	Y	—	HL
"	"	"	"	"	"	"	"	58	62	Y	—	HL
"	"	"	"	"	"	"	"	61	—	Y	—	HL
150	24-07	1320	85°	G-171	VANH	210	205	55	61	Y	—	HL
"	"	"	"	"	"	"	"	59	62	Y	—	HL
"	"	"	"	"	"	"	"	56	—	Y	—	HL
151	24-07	1325	85°	G-274	April	210	205	58	59	Y	—	HL
"	"	"	"	"	"	"	"	59	54	Y	—	HL
"	"	"	"	"	"	"	"	53	—	Y	—	HL
152	27-07	0800	74°	G-210	A.L.	210	205	52	60	Y	—	HL
"	"	"	"	"	"	"	"	49	62	Y	—	HL
"	"	"	"	"	"	"	"	51	—	Y	—	HL
153	27-07	0805	74°	G-171	VANH	210	205	59	64	Y	—	HL
"	"	"	"	"	"	"	"	58	67	Y	—	HL
"	"	"	"	"	"	"	"	57	—	Y	—	HL
154	27-07	1320	90°	G-171	VANH	205	200	58	61	Y	—	HL
"	"	"	"	"	"	"	"	58	61	Y	—	HL
"	"	"	"	"	"	"	"	57	—	Y	—	HL
155	27-07	1325	90	G-210	April	205	200	58	60	Y	—	HL
"	"	"	"	"	"	"	"	59	60	Y	—	HL
"	"	"	"	"	"	"	"	56	—	Y	—	HL
156	27-07	1330	90	G-133 G-126	W.K	205	200	59	62	Y	—	HL
"	"	"	"	"	"	"	"	57	63	Y	—	HL
"	"	"	"	"	"	"	"	51	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 07 month 1995 year

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
157	28-07	0800	73°	G-205	C.S.	205	200	51	61	Y	–	H.L.
"	"	"	"	"	"	"	"	53	57	Y	–	H.L.
"	"	"	"	"	"	"	"	49	—	Y	–	H.L.
158	28-07	0815	73°	G-133	K.O.	210	205	55	58	Y	–	H.L.
"	"	"	"	"	"	"	"	48	60	Y	–	H.L.
"	"	"	"	"	"	"	"	49	—	Y	–	H.L.
159	28-07	1300	84°	G-205	CHRIS	205	200	58	41	Y	–	H.L.
"	"	"	"	"	"	"	"	53	44	Y	–	H.L.
"	"	"	"	"	"	"	"	59	—	Y	–	H.L.
160	28-07	1310	84°	G-133	K.O	205	200	57	66	Y	–	H.L.
"	"	"	"	"	"	"	"	57	63	Y	–	H.L.
"	"	"	"	"	"	"	"	51	—	Y	–	H.L.
161	28-07	1315	84°	G-274	APRIL	205	200	56	40	Y	–	H.L.
"	"	"	"	"	"	"	"	59	64	Y	–	H.L.
"	"	"	"	"	"	"	"	57	—	Y	–	H.L.
162	29-07	0810	76°	G-205	CHRIS	205	200	50	61	Y	–	H.L.
"	"	"	"	"	"	"	"	49	61	Y	–	H.L.
"	"	"	"	"	"	"	"	49	—	Y	–	H.L.
163	29-07	0820	76°	G-274	APRIL	205	200	56	61	Y	–	H.L.
"	"	"	"	"	"	"	"	56	62	Y	–	H.L.
"	"	"	"	"	"	"	"	54	—	Y	–	H.L.
164	29-07	0830	76°	G-133	KO	205	200	54	54	Y	–	H.L.
"	"	"	"	"	"	"	"	57	57	Y	–	H.L.
"	"	"	"	"	"	"	"	55	—	Y	–	H.L.
–	–	–	–	–	–	–	–	–	–	–	–	H.L.

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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

CONTRACTOR: Gundle TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET °C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (pp/psi)	PASS	FAIL	
165	29-07	845	74°	G-171	VANH	210	205	53	62	Y	—	HL
"	"	"	"	"	"	"	"	54	64	Y	—	HL
"	"	"	"	"	"	"	"	54	—	Y	—	HL
166	29-07	1315	88°	G-274	APE:1	205	200	57	67	Y	—	HL
"	"	"	"	"	"	"	"	54	64	Y	—	HL
"	"	"	"	"	"	"	"	59	—	Y	—	HL
167	29-07	1320	88°	G-133	KO	205	200	54	63	Y	—	HL
"	"	"	"	"	"	"	"	58	65	Y	—	HL
"	"	"	"	"	"	"	"	50	—	Y	—	HL
168	29-07	1330	88°	G-171	VANH	205	200	53	64	Y	—	HL
"	"	"	"	"	"	"	"	55	61	Y	—	HL
"	"	"	"	"	"	"	"	52	—	Y	—	HL
169	31-07	0805	75°	G-133	K.L.	210	205	56	66	Y	—	HL
"	"	"	"	"	"	"	"	57	63	Y	—	HL
"	"	"	"	"	"	"	"	55	—	Y	—	HL
170	31-07	0810	75°	G-205	KO	210	200	59	66	Y	—	HL
"	"	"	"	"	"	"	"	58	62	Y	—	HL
"	"	"	"	"	"	"	"	56	—	Y	—	HL
171	31-07	0815	75°	G-171	VANH	210	205	57	61	Y	—	HL
"	"	"	"	"	"	"	"	54	64	Y	—	HL
"	"	"	"	"	"	"	"	56	—	Y	—	HL
172	31-07	1315	88°	G-171	VANH	210	205	56	60	Y	—	HL
"	"	"	"	"	"	"	"	55	67	Y	—	HL
"	"	"	"	"	"	"	"	57	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
173	31-07	1325	88	G-203	AL.	205	200	58	47	P	—	HL
"	"	"	"	"	"	"	"	59	64	P	—	HL
"	"	"	"	"	"	"	"	62	—	P	—	HL
174	01-08	0815	74°	G-133	KO	210	205	59	62	P	—	HL
"	"	"	"	"	"	"	"	58	60	P	—	HL
"	"	"	"	"	"	"	"	62	—	P	—	HL
175	01-08	0820	74°	G-274	KC	205	200	55	#55 61	P	—	HL
"	"	"	"	"	"	"	"	58	63	P	—	HL
"	"	"	"	"	"	"	"	52	—	P	—	HL
176	01-08	0825	74°	G-171	VANH	205	200	57	60	P	—	HL
"	"	"	"	"	"	"	"	58	61	P	—	HL
"	"	"	"	"	"	"	"	55	—	P	—	HL
177	01-08	1310	92°	G-133	KO	205	200	58	63	P	—	HL
"	"	"	"	"	"	"	"	57	60	P	—	HL
"	"	"	"	"	"	"	"	58	—	P	—	HL
178	01-08	1315	92°	G-274	KC	205	200	55	60	P	—	HL
"	"	"	"	"	"	"	"	58	58	P	—	HL
"	"	"	"	"	"	"	"	51	—	P	—	HL
179	01-08	1320	92°	G-171	S.H	205	200	56	61	P	—	HL
"	"	"	"	"	"	"	"	58	63	P	—	HL
"	"	"	"	"	"	"	"	59	—	P	—	HL
180	01-08	1325	92°	G-205	A.L.	210	200	56	63	P	—	HL
"	"	"	"	"	"	"	"	58	63	P	—	HL
"	"	"	"	"	"	"	"	56	—	P	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wedgewelder

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/°C/°F)	BARREL (°C/°F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
181	02-08	0745	78°	G-171	K.D.	205	200	58	60	Y	—	HL
"	"	"	"	"	"	"	"	59	59	Y	—	HL
"	"	"	"	"	"	"	"	56	—	Y	—	HL
182	02-08	0750	78°	G-205	AL	205	200	58	62	Y	—	HL
"	"	"	"	"	"	"	"	54	61	Y	—	HL
"	"	"	"	"	"	"	"	57	—	Y	—	HL
183	02-08	0800	78°	G-133	KL	205	200	59	57	Y	—	HL
"	"	"	"	"	"	"	"	59	59	Y	—	HL
"	"	"	"	"	"	"	"	58	—	Y	—	HL
184	02-08	1250	78°	G-133	LAH ~~KL~~	210	205	56	61	Y	—	HL
"	"	"	"	"	"	"	"	55	63	Y	—	HL
"	"	"	"	"	"	"	"	59	—	Y	—	HL
185	02-08	1300	78°	G-205	A.L.	210	205	57	58	Y	—	HL
"	"	"	"	"	"	"	"	58	60	Y	—	HL
"	"	"	"	"	"	"	"	57	—	Y	—	HL
186	02-08	1310	78°	G-171	KL	205	200	54	61	Y	—	HL
"	"	"	"	"	"	"	"	55	60	Y	—	HL
"	"	"	"	"	"	"	"	51	—	Y	—	HL
187	03-08	0730	78°	G-205	AL	210	205	56	58	Y	—	HL
"	"	"	"	"	"	"	"	53	56	Y	—	HL
"	"	"	"	"	"	"	"	59	—	Y	—	HL
188	03-08	0740	78°	G-133	KD	210	205	53	59	Y	—	HL
"	"	"	"	"	"	"	"	52	58	Y	—	HL
"	"	"	"	"	"	"	"	57	—	Y	—	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) (°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET) (°C) (°F)	EXTRUSION BARREL (°C) (°F)	TEST RESULTS PEEL (ppi) psi	TEST RESULTS SHEAR (ppi) psi	PASS	FAIL	QA ID
189	03-08	0745	78°	G-274	KC	210	205	54	62	Y	–	HL
"	"	"	"	"	"	"	"	62	61	Y	–	HL
"	"	"	"	"	"	"	"	54	—	Y	–	HL
190	03-08	1325	87°	G-171	S.H.	210	205	57	58	Y	–	HL
"	"	"	"	"	"	"	"	57	57	Y	–	HL
"	"	"	"	"	"	"	"	55	—	Y	–	HL
191	03-08	1330	87°	G-205	A.L.	210	205	57	56	Y	–	HL
"	"	"	"	"	"	"	"	53	59	Y	–	HL
"	"	"	"	"	"	"	"	55	—	Y	–	HL
192	03-08	1535	87°	G-133	KC	~~210~~ HL 210	205	54	60	Y	–	HL
"	"	"	"	"	"	"	"	55	58	Y	–	HL
"	"	"	"	"	"	"	"	51	—	Y	–	HL
193	03-08	1340	89°	G-274	KC	210	205	58	61	Y	–	HL
"	"	"	"	"	"	"	"	59	60	Y	–	HL
"	"	"	"	"	"	"	"	55	—	Y	–	HL
194	04-08	0830	75°	G-205	AL	210	205	53	60	Y	–	HL
"	"	"	"	"	"	"	"	51	61	Y	–	HL
"	"	"	"	"	"	"	"	54	—	Y	–	HL
195	04-08	0835	75°	G-274	KC	210	205	55	60	Y	–	HL
"	"	"	"	"	"	"	"	52	65	Y	–	HL
"	"	"	"	"	"	"	"	59	—	Y	–	HL
196	04-08	1250	90°	G-205	JANH	210	205	54	63	Y	–	HL
"	"	"	"	"	"	"	"	54	61	Y	–	HL
"	"	"	"	"	"	"	"	55	—	Y	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Ulgener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET/°C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
197	04-08	1255	90°	G-274	KC	210	205	57	54	P	–	HL
"	"	"	"	"	"	"	"	58	53	P	–	HL
"	"	"	"	"	"	"	"	57	—	P	–	HL
198	04-08	0930	85°	G-198	N.T.	215	210	48	53	P	–	HL
"	"	"	"	"	"	"	"	48	51	P	–	HL
"	"	"	"	"	"	"	"	48	—	P	–	HL
199	07-08	0800	67°	G-274	KC	210	205	52	59	P	–	HL
"	"	"	"	"	"	"	"	55	56	P	–	HL
"	"	"	"	"	"	"	"	58	—	P	–	HL
200	07-08	0810	67°	G-205	VANH	210	205	59	43	P	–	HL
"	"	"	"	"	"	"	"	57	63	P	–	HL
"	"	"	"	"	"	"	"	54	—	P	–	HL
201	07-08	0815	67°	G-133	KC	210	205	53	44	P	–	HL
"	"	"	"	"	"	"	"	49	40	P	–	HL
"	"	"	"	"	"	"	"	56	—	P	–	HL
202	07-08	0820	67°	G-198	N.T.	210	205	60	64	P	–	HL
"	"	"	"	"	"	"	"	60	61	P	–	HL
"	"	"	"	"	"	"	"	63	—	P	–	HL
203	07-08	1300	71°	G-205	VANH	210	205	58	58	P	–	HL
"	"	"	"	"	"	"	"	58	54	P	–	HL
"	"	"	"	"	"	"	"	55	—	P	–	HL
204	07-08	1307	71°	G-274	KC	210	205	57	59	P	–	HL
"	"	"	"	"	"	"	"	56	57	P	–	HL
"	"	"	"	"	"	"	"	55	—	P	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F / °C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET °C / °F)	EXTRUSION BARREL (°C / °F)	TEST RESULTS PEEL (ppi / psi)	TEST RESULTS SHEAR (ppi / psi)	PASS	FAIL	QA ID
205	07-08	1315	71°	G-133	KO	210	205	54	60	Y	–	HL
"	"	"	"	"	"	"	"	51	59	Y	–	HL
"	"	"	"	"	"	"	"	56	—	Y	–	HL
206	08-08	0730	68°	G-205	AL	210	205	68	87	Y	–	HL
"	"	"	"	"	"	"	"	67	57	Y	–	HL
"	"	"	"	"	"	"	"	51	—	Y	–	HL
207	08-08	0745	68	G-133 HL	KC	210	205	58	67	Y	–	HL
"	"	"	"	"	"	"	"	53	65	Y	–	HL
"	"	"	"	"	"	"	"	59	—	Y	–	HL
208	08-08	0900	68°	G-171	KOO	205	200	45	70	Y	–	HL
"	"	"	"	"	"	"	"	41	53	Y	–	HL
"	"	"	"	"	"	"	"	42	—	Y	–	HL
209	08-08	1300	74°	G-171	KOO	205	200	59	70	Y	–	HL
"	"	"	"	"	"	"	"	53	65	Y	–	HL
"	"	"	"	"	"	"	"	50	—	Y	–	HL
210	08-08	1310	74°	G-205	AL	210	205	55	69	Y	–	HL
"	"	"	"	"	"	"	"	57	66	Y	–	HL
"	"	"	"	"	"	"	"	53	—	Y	–	HL
211	09-08	0720	64°	G-171	CHL3	205	200	57	63	Y	–	HL
"	"	"	"	"	"	"	"	55	61	Y	–	HL
"	"	"	"	"	"	"	"	53	—	Y	–	HL
212	09-08	0730	66°	G-205	VANH	210	205	53	62	Y	–	HL
"	"	"	"	"	"	"	"	53	60	Y	–	HL
"	"	"	"	"	"	"	"	54	—	Y	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F / °C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET °C / °F)	EXTRUSION BARREL (°C / °F)	TEST RESULTS PEEL (ppi / psi)	TEST RESULTS SHEAR (ppi / psi)	PASS	FAIL	QA ID
213	10-08	0730	70°	G-205	VANH	210	200	57	61	Y	–	HL
"	"	"	"	"	"	"	"	52	60	Y	–	HL
"	"	"	"	"	"	"	"	55	—	Y	–	HL
214	10-08	0755	71°	G-3	KC	210	205	44	54	Y	–	HL
"	"	"	"	"	"	"	"	43	57	Y	–	HL
"	"	"	"	"	"	"	"	46	—	Y	–	HL
215	10-08	1240	80°	G-205	VANH	210	205	54	62	Y	–	HL
"	"	"	"	"	"	"	"	53	61	Y	–	HL
"	"	"	"	"	"	"	"	54	—	Y	–	HL
216	10-08	1305	80°	G-3	KC	210	205	44	51	Y	–	HL
"	"	"	"	"	"	"	"	44	50	Y	–	HL
"	"	"	"	"	"	"	"	42	—	Y	–	HL
217	11-08	0730	72°	G-205	VANH	205	200	40	59	Y	–	HL
"	"	"	"	"	"	"	"	51	58	Y	–	HL
"	"	"	"	"	"	"	"	48	—	Y	–	HL
218	11-08	0745	72°	G-3	KC	210	205	50	56	Y	–	HL
"	"	"	"	"	"	"	"	51	53	Y	–	HL
"	"	"	"	"	"	"	"	48	—	Y	–	HL
219	11-08	1250	85°	G-3	KC	210	205	51	54	Y	–	HL
"	"	"	"	"	"	"	"	48	52	Y	–	HL
"	"	"	"	"	"	"	"	47	—	Y	–	HL
220	11-08	1255	85°	G-205	VANH	210	205	55	51	Y	–	HL
"	"	"	"	"	"	"	"	51	50	Y	–	HL
"	"	"	"	"	"	"	"	50	—	Y	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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

CONTRACTOR: GUNDLE TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F) °C)	MACHINE NO.	OPER ID.	EXTRUSION		TEST RESULTS				QA ID
						PREHEAT (SET/(°C) °F)	BARREL (°C) °F)	PEEL (ppi/psi)	SHEAR (ppi/psi)	PASS	FAIL	
221	14-08	0740	75°	G-205	C.S.	205	200	49	56	P	–	HL
"	"	"	"	"	"	"	"	52	54	P	–	HL
"	"	"	"	"	"	"	"	50	—	P	–	HL
222	14-08	0750	75°	G-198	K.C	210	205	39	54	P	–	HL
"	"	"	"	"	"	"	"	41	51	P	–	HL
"	"	"	"	"	"	"	"	43	—	P	–	HL
223	14-08	1245	90°	G-198	KC	210	205	52	53	P	–	HL
"	"	"	"	"	"	"	"	46	55	P	–	HL
"	"	"	"	"	"	"	"	39	—	P	–	HL
224	14-08	1300	90°	G-205	C.S	205	200	54	59	P	–	HL
"	"	"	"	"	"	"	"	52	41	P	–	HL
"	"	"	"	"	"	"	"	56	—	P	–	HL
225	15-08	0747	75°	G-205	C.S	205	200	41	59	P	–	HL
"	"	"	"	"	"	"	"	56	52	P	–	HL
"	"	"	"	"	"	"	"	58	—	P	–	HL
226	15-08	0755	76°	G-198	KC	210	205	53	55	P	–	HL
"	"	"	"	"	"	"	"	50	50	P	–	HL
"	"	"	"	"	"	"	"	49	—	P	–	HL
227	15-08	1245	91°	G-198	KC	210	205	51	56	P	–	HL
"	"	"	"	"	"	"	"	52	53	P	–	HL
"	"	"	"	"	"	"	"	50	—	P	–	HL
228	15-08	1300	91°	G-205	C.S	205	200	45	51	P	–	HL
"	"	"	"	"	"	"	"	51	47	P	–	HL
"	"	"	"	"	"	"	"	46	—	P	–	HL
—	—	—	—	—	—	—	—	—	—	—	—	—

GeoSyntec Consultants

TOWN OF HUNTINGTON

TRIAL SEAM LOG - EXTRUSION (WITH TEMPERATURE)

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 TENSIOMETER DESCRIPTION: Wegener

TRIAL SEAM NO.	DATE (day/mo)	TIME	TEMP (°F/°C)	MACHINE NO.	OPER ID.	EXTRUSION PREHEAT (SET °C/°F)	EXTRUSION BARREL (°C/°F)	TEST RESULTS PEEL (ppi/psi)	TEST RESULTS SHEAR (ppi/psi)	PASS	FAIL	QA ID
229	15-08	1600	88°	G-171	B.S.	205	200	55	41	Y	–	HL
"	"	"	"	"	"	"	"	56	57	Y	–	HL
"	"	"	"	"	"	"	"	53	—	Y	–	HL
230	16-08	A.M		G-205	T.T.	210	205	58	41	Y	–	HL
"	"	"	"	"	"	"	"	58	58	Y	–	HL
"	"	"	"	"	"	"	"	59	—	Y	–	HL
231	16-08	P.M		G-205	T.T.	210	205	55	58	Y	–	HL
"	"	"	"	"	"	"	"	54	58	Y	–	HL
"	"	"	"	"	"	"	"	57	—	Y	–	HL
232	17-08	0800		G-133	T.T.	220	205	58	60	Y	–	HL
"	"	"	"	"	"	"	"	58	57	Y	–	HL
"	"	"	"	"	"	"	"	57	—	Y	–	HL
233	17-08	1300		G-133	T.T.	220	205	56	58	Y	–	HL
"	"	"	"	"	"	"	"	59	58	Y	–	HL
"	"	"	"	"	"	"	"	58	—	Y	–	HL
234				G-								
"	"	"	"	"	"	"	"					
"	"	"	"	"	"	"	"		—			
235				G-								
"	"	"	"	"	"	"	"					
"	"	"	"	"	"	"	"		—			
236				G-								
"	"	"	"	"	"	"	"					
"	"	"	"	"	"	"	"		—			
—	—	—	—	—	—	—	—	—	—	—	—	—

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE EXTRUSION TRIAL SEAM LOG

DATE	TIM	SAMPLE NUMBER	AMBIENT TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE (C)	PREHEAT TEMPERATURE (C)	SAMPLE TYPE	PEEL 1	PEEL 2	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
8/21/95	840	234	81	KC	133	210	205	T/T	54	49	61	52	P	NMB
8/21/95	1006	235	81	VS	171	210	205	T/T	56	54	59	51	P	NMB
8/21/95	1016	236	82	CS	205	205	200	T/T	56	52	59	56	P	NMB
8/21/95	1306	237	83	VS	171	210	205	T/T	54	60	60	53	P	NMB
8/21/95	1316	238	84	AL	133	210	205	T/T	58	54	62	54	P	NMB
8/21/95	1330	239	85	CS	205	205	200	T/T	57	56	56	52	P	NMB
8/22/95	736	240	82	CS	205	205	200	T/T	56	54	54	50	P	NMB
8/22/95	916	241	80	VS	171	210	205	T/T	54	52	56	56	P	NMB
8/22/95	930	242	83	AL	133	210	205	T/T	53	53	57	57	P	NMB
8/22/95	1300	243	82	CS	205	205	200	T/T	51	54	56	59	P	NMB
8/22/95	1316	244	82	VS	171	210	205	T/T	52	59	59	54	P	NMB
8/22/95	1340	245	81	AL	133	210	205	T/T	59	57	54	50	P	NMB
8/23/95	0740	246	80	CS	205	205	200	T/T	54	64	48	52	P	NMB
8/23/95	0806	247	82	VS	171	210	205	T/T	52	58	56	51	P	NMB
8/23/95	1300	248	84	CS	205	205	200	T/T	53	59	53	53	P	NMB
8/23/95	1316	249	86	VS	171	210	205	T/T	54	57	51	52	P	NMB
8/23/95	1320	250	84	AL	133	210	205	T/T	52	56	60	55	P	NMB
8/23/95	1325	251	84	KC	133	210	205	T/T	57	54	67	54	P	NMB
8/24/95	0800	252	82	VS	171	210	205	T/T	56	56	51	50	P	NMB
8/24/95	0830	253	80	CS	205	205	200	T/T	57	58	64	58	P	NMB
8/24/95	0836	254	81	AL	133	210	205	T/T	54	59	49	57	P	NMB
8/24/95	1300	255	81	CS	205	205	200	T/T	56	56	54	50	P	NMB
8/24/95	1306	256	81	VS	171	210	205	T/T	58	57	50	51	P	NMB
8/24/95	1310	257	82	KC	133	210	205	T/T	57	54	52	53	P	NMB
8/25/95	0800	258	81	CS	205	205	200	T/T	56	56	54	54	P	NMB
8/25/95	0810	259	80	VS	171	210	205	T/T	52	56	56	54	P	NMB
8/25/95	0830	260	81	AL	133	210	205	T/T	54	58	50	59	P	NMB
8/25/95	1300	261	80	CS	205	205	200	T/T	56	59	48	50	P	NMB
8/25/95	1305	262	81	VS	171	210	205	T/T	58	57	49	54	P	NMB
8/25/95	1310	263	82	AL	133	210	205	T/T	57	56	51	56	P	NMB
8/26/95	1312	264	80	KC	133	210	205	T/T	59	59	55	53	P	NMB
8/26/95	0740	265	81	CS	205	205	200	T/T	57	54	53	54	P	NMB
8/26/95	0800	266	81	VS	171	210	205	T/T	54	53	54	52	P	NMB
8/26/95	0806	267	81	AL	133	210	205	T/T	56	55	57	52	P	NMB
8/26/95	0810	268	81	KC	133	210	205	T/T	52	55	53	53	P	NMB
8/26/95	1300	269	81	CS	205	205	200	T/T	53	52	60	54	P	NMB
8/28/95	725	270	78	CS	205	205	200	T/T	48	50	62	60	P	NMB
8/28/95	730	271	78	VS	171	210	205	T/T	52	59	54	60	P	NMB
8/28/95	740	272	78	AL	133	210	205	T/T	52	58	60	64	P	NMB
8/28/95	1245	273	80	CS	205	205	200	T/T	58	54	62	60	P	NMB
8/28/95	1300	274	80	VS	171	210	205	T/T	54	56	55	57	P	NMB
8/28/95	1305	275	80	AL	133	210	205	T/T	58	49	59	57	P	NMB
8/29/95	735	276	79	AL	133	210	205	T/T	51	55	60	68	P	NMB
8/29/95	740	277	79	CS	205	205	200	T/T	58	59	60	65	P	NMB
8/29/95	750	278	79	VS	171	210	205	T/T	58	56	60	64	P	NMB
8/29/95	1250	279	80	AL	133	210	205	T/T	58	54	62	67	P	NMB
8/29/95	1300	280	80	CS	205	205	200	T/T	54	56	62	64	P	NMB
8/29/95	1310	281	80	VS	171	210	205	T/T	52	58	62	61	P	NMB

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE EXTRUSION TRIAL SEAM LOG

DATE	TIM	SAMPLE NUMBER	AMBIENT TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE (C)	PREHEAT TEMPERATURE (C)	SAMPLE TYPE	PEEL 1	PEEL 2	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
8/30/95	720	282	76	CS	205	205	200	T/T	49	62	55	57	P	NMB
8/30/95	730	283	76	AL	133	210	205	T/T	54	55	62	60	P	NMB
8/30/95	740	284	76	VS	171	210	205	T/T	54	56	62	68	P	NMB
8/30/95	1240	285	81	CS	205	205	200	T/T	54	59	60	58	P	NMB
8/30/95	1255	286	81	AL	133	210	205	T/T	54	50	60	57	P	NMB
8/30/95	1300	287	81	CS	205	205	200	T/T	50	49	56	58	P	NMB
8/31/95	725	288	78	AL	133	210	205	T/T	54	55	56	59	P	NMB
8/31/95	730	289	78	CS	205	205	200	T/T	54	50	56	62	P	NMB
8/31/95	735	290	78	VS	171	210	205	T/T	54	55	60	59	P	NMB
8/31/95	1250	291	81	AL	133	210	205	T/T	52	50	56	57	P	NMB
8/31/95	1300	292	81	CS	205	205	200	T/T	52	56	60	54	P	NMB
8/31/95	1305	293	81	VS	171	210	205	T/T	50	52	60	59	P	NMB
9/1/95	730	294	74	AL	133	210	205	T/T	54	60	68	51	P	NMB
9/1/95	730	295	74	CS	205	205	200	T/T	52	54	66	58	P	NMB
9/1/95	740	296	74	VS	171	210	205	T/T	56	68	52	60	P	NMB
9/1/95	1245	297	80	CS	205	205	200	T/T	58	50	62	56	P	NMB
9/1/95	1300	298	80	AL	133	210	200	T/T	58	55	60	59	P	NMB
9/1/95	1310	299	80	VS	171	210	205	T/T	52	56	62	59	P	NMB
9/5/95	1000	300	78	VS	171	210	205	T/T	52	53	60	54	P	NMB
9/5/95	1030	301	78	CS	205	200	205	T/T	48	52	59	62	P	NMB
9/5/95	1035	302	78	AL	133	210	205	T/T	52	54	56	62	P	NMB
9/5/95	1245	303	80	AL	133	210	205	T/T	51	49	59	60	P	NMB
9/5/95	1300	304	80	TT	171	210	205	T/T	50	54	56	57	P	NMB
9/5/95	1305	305	80	CS	205	205	200	T/T	45	52	62	59	P	NMB
9/5/95	1315	306	80	KO	274	210	205	T/T	52	52	54	56	P	NMB
9/5/95	1320	307	80	KC	133	210	205	T/T	51	53	58	54	P	NMB
9/6/95	1300	308	80	TT	133	210	205	T/T	49	52	62	58	P	NMB
9/6/95	1420	309	81	TT	205	210	205	T/T	58	56	54	58	P	NMB
9/8/95	0730	310	78	CS	205	205	200	T/T	73	68	71	65	P	NMB
9/8/95	0800	311	78	VS	171	210	205	T/T	57	54	60	61	P	NMB
9/8/95	0900	312	78	AL	133	210	205	T/T	69	65	73	71	P	NMB
9/8/95	1245	313	78	CS	205	205	200	T/T	58	62	66	58	P	NMB
9/8/95	1300	314	78	VS	171	210	205	T/T	57	56	63	55	P	NMB
9/8/95	1306	315	78	AL	133	210	205	T/T	70	63	65	70	P	NMB
9/9/95	730	316	76	CS	205	205	200	T/T	69	67	76	65	P	NMB
9/9/95	0745	317	76	VS	274	210	205	T/T	76	62	59	74	P	NMB
9/9/95	0800	317	78	AL	133	210	205	T/T	67	66	70	69	P	NMB
9/9/95	1250	318	79	AL	133	210	205	T/T	41	43	63	48	P	NMB
9/9/95	1255	319	78	CS	205	205	200	T/T	61	62	60	62	P	NMB
9/9/95	1300	320	78	VS	171	210	205	T/T	60	59	60	62	P	NMB
9/11/95	0720	321	78	VS	274	210	205	T/T	65	67	68	65	P	NMB
9/11/95	0730	322	78	CS	205	205	200	T/T	72	71	65	73	P	NMB
9/11/95	0745	323	78	AL	133	210	205	T/T	67	70	76	73	P	NMB
9/11/95	1250	324	80	VS	274	210	205	T/T	60	60	75	74	P	NMB
9/11/95	1300	325	80	AL	133	210	205	T/T	69	67	73	76	P	NMB
9/11/95	1305	326	80	CS	205	205	200	T/T	65	63	72	69	P	NMB
9/12/95	0720	327	77	VS	274	210	205	T/T	70	71	69	75	P	NMB
9/12/95	0735	328	77	CS	205	205	200	T/T	52	57	55	51	P	NMB

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE EXTRUSION TRIAL SEAM LOG

DATE	TIM	SAMPLE NUMBER	AMBIENT TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE (C)	PREHEAT TEMPERATURE (C)	SAMPLE TYPE	PEEL 1	PEEL 2	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
9/12/95	0745	329	78	AL	133	210	205	T/T	62	61	70	68	P	NMB
9/12/95	1250	330	80	VS	274	210	205	T/T	60	61	65	63	P	NMB
9/12/95	1300	331	80	CS	205	205	200	T/T	52	62	65	66	P	NMB
9/12/95	1305	332	80	AL	133	210	205	T/T	54	57	65	62	P	NMB
9/12/95	1320	333	80	TT	171	210	205	T/T	60	61	69	68	P	NMB
9/13/95	0730	334	78	AL	133	210	205	T/T	57	59	62	65	P	NMB
9/13/95	0735	335	78	VS	274	210	205	T/T	67	66	78	75	P	NMB
9/13/95	740	336	78	CS	205	205	200	T/T	75	69	75	74	P	NMB
9/13/95	0750	337	78	KC	171	210	205	T/T	52	54	57	58	P	NMB
9/14/95	0730	338	76	TT	171	210	205	T/T	54	52	60	64	P	NMB
9/14/95	1300	339	79	TT	171	210	205	T/T	52	59	64	67	P	NMB
9/15/95	0800	340	78	TT	171	210	205	T/T	57	59	62	68	P	NMB
9/16/95	1040	341	75	VS	274	205	210	T-T	65	65	70	72	P	JJP
9/16/95	1050	342	75	CS	205	200	205	T-T	75	66	71	73	P	JJP
9/18/95	0800	343	65	CS	205	200	205	T/T	65	64	68	70	P	JJP
9/18/95	0830	344	65	VS	171	205	215	T/T	66	68	67	70	P	JJP
9/18/95	0915	345	65	JM	171	205	215	T/T	55	54	57	59	P	JJP
9/18/95	0925	346	65	AL	133	205	210	T/T	60	62	67	65	P	JJP
9/18/95	1230	347	70	AL	133	205	210	T/T	61	59	66	64	P	JJP
9/18/95	1240	348	70	VS	171	205	215	T/T	67	68	65	65	P	JJP
9/18/95	1250	349	70	CS	205	200	205	T/T	76	73	74	76	P	JJP
9/19/95	0800	350	65	TT	205	205	210	T/T	58	57	62	63	P	JJP
9/20/95	0735	351	65	TT	171	215	205	T/T	64	64	70	71	P	JJP
9/20/95	1245	352	70	TT	171	215	205	T/T	56	57	60	61	P	JJP
9/21/95	0740	353	65	TT	171	415	205	T/T	60	61	69	70	P	JJP
9/21/95	0745	354	65	AL	133	415	205	T/T	60	61	69	72	P	JJP
9/21/95	0755	355	65	CS	205	205	200	T/T	70	83	82	83	P	JJP
9/21/95	0805	356	65	VS	274	205	215	T/T	76	75	79	79	P	JJP
9/21/95	1240	357	70	VS	274	205	215	T/T	65	64	67	67	P	JJP
9/21/95	1245	358	70	CS	205	200	205	T/T	71	69	80	70	P	JJP
9/21/95	1255	359	70	AL	171	415	205	T/T	62	61	62	67	P	JJP
9/28/95	0830	360	72	KS	205	200	205	T/T	56	54	58	59	P	NMB
9/28/95	0840	361	72	VS	274	210	205	T/T	54	56	59	62	P	NMB
9/28/95	0850	362	72	AL	133	210	205	T/T	50	55	56	54	P	NMB
9/28/95	1250	363	72	KS	205	200	205	T/T	49	60	65	63	P	NMB
9/28/95	1300	364	72	VS	274	210	205	T/T	50	62	69	67	P	NMB
9/28/95	1305	365	72	AL	133	210	205	T/T	49	57	61	58	P	NMB
9/29/95	0830	366	70	CS	205	200	205	T/T	60	65	71	68	P	NMB
9/29/95	0840	367	70	VS	274	210	205	T/T	61	56	55	58	P	NMB
9/29/95	0850	368	70	AL	133	210	205	T/T	56	57	61	67	P	NMB
9/29/95	1245	369	70	CS	205	200	205	T/T	64	62	65	63	P	NMB
9/29/95	1250	370	70	VS	274	210	205	T/T	62	60	67	63	P	NMB
9/29/95	1300	371	70	AL	133	210	205	T/T	56	58	63	69	P	NMB
9/30/95	0715	372	65	CS	205	200	205	T/T	56	54	58	59	P	NMB
9/30/95	0718	373	65	VS	274	210	205	T/T	56	61	62	65	P	NMB
9/30/95	0725	374	65	AL	133	210	205	T/T	54	56	68	69	P	NMB
9/30/95	1245	375	67	CS	205	200	205	T/T	52	53	60	58	P	NMB
9/30/95	1250	376	67	VS	274	210	205	T/T	50	53	60	57	P	NMB

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE EXTRUSION TRIAL SEAM LOG

DATE	TIM	SAMPLE NUMBER	AMBIENT TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE (C)	PREHEAT TEMPERATURE (C)	SAMPLE TYPE	PEEL 1	PEEL 2	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
9/30/95	1300	377	67	AL	133	210	205	T/T	51	53	58	62	P	NMB
10/2/95	0710	378	70	CS	205	205	200	T/T	54	52	56	60	P	NMB
10/2/95	0720	379	70	VS	274	210	205	T/T	51	52	60	59	P	NMB
10/2/95	0725	380	70	AL	133	210	205	T/T	54	52	67	59	P	NMB
10/2/95	1245	381	73	CS	205	205	200	T/T	52	55	60	61	P	NMB
10/2/95	1250	382	73	VS	274	210	205	T/T	50	53	64	60	P	NMB
10/2/95	1255	383	73	AL	133	210	205	T/T	52	51	68	63	P	NMB
10/3/95	0725	384	71	CS	205	205	200	T/T	56	69	68	74	P	NMB
10/3/95	0730	385	71	VS	171	210	205	T/T	77	79	84	80	P	NMB
10/3/95	0800	386	71	KC	133	210	205	T/T	67	69	70	73	P	NMB
10/3/95	1245	387	73	KC	133	210	205	T/T	65	62	69	71	P	NMB
10/3/95	1250	388	73	CS	205	205	200	T/T	56	68	70	71	P	NMB
10/3/95	1255	389	73	VS	171	215	205	T/T	60	67	72	71	P	NMB
10/4/95	0735	390	69	CS	205	205	200	T/T	75	72	84	81	P	NMB
10/4/95	0740	391	69	VS	171	215	205	T/T	69	68	74	75	P	NMB
10/4/95	0800	392	69	AL	198	210	205	T/T	60	58	63	68	P	NMB
10/9/95	930	393	70	CS	205	205	200	T/T	60	64	74	69	P	NMB
10/9/95	0945	394	70	AL	198	210	205	T/T	63	65	71	76	P	NMB
10/9/95	1240	395	72	VS	171	210	205	T/T	62	63	70	72	P	NMB
10/9/95	1250	396	72	AL	198	210	205	T/T	68	65	80	78	P	NMB
10/9/95	1255	397	72	CS	205	205	200	T/T	70	65	63	72	P	NMB
10/10/95	0735	398	65	VS	171	210	205	T/T	65	63	72	69	P	NMB
10/10/95	0740	399	65	CS	205	205	200	T/T	56	62	63	71	P	NMB
10/10/95	0750	400	65	AL	198	210	205	T/T	54	59	67	73	P	NMB
10/10/95	1245	401	71	VS	171	210	205	T/T	65	62	71	75	P	NMB
10/10/95	1250	402	71	CS	205	205	200	T/T	62	58	68	69	P	NMB
10/10/95	1255	403	71	AL	198	210	205	T/T	56	54	62	64	P	NMB
10/11/95	0730	404	67	CS	205	205	200	T/T	81	76	86	70	P	NMB
10/11/95	0745	405	67	VS	171	210	205	T/T	80	75	80	76	P	NMB
10/11/95	0750	406	67	KC	198	210	205	T/T	52	54	59	60	P	NMB
10/11/95	1240	407	76	SK	205	205	200	T/T	50	51	63	69	P	NMB
10/11/95	1300	408	76	VS	171	210	205	T/T	59	60	63	68	P	NMB
10/11/95	1305	409	76	KC	198	210	205	T/T	58	56	67	65	P	NMB
10/12/95	0740	410	65	VS	171	210	205	T/T	80	81	76	80	P	NMB
10/12/95	0800	411	65	AL	198	210	205	T/T	57	56	60	63	P	NMB
10/12/95	0815	412	65	SK	205	205	200	T/T	70	65	66	69	P	NMB
10/12/95	1245	413	78	KC	198	210	205	T/T	70	59	63	67	P	NMB
10/12/95	1250	414	78	VS	171	210	205	T/T	70	69	75	76	P	NMB
10/12/95	1300	415	78	SK	205	205	200	T/T	65	62	68	63	P	NMB
10/13/95	0725	416	74	AL	198	210	205	T/T	56	58	59	61	P	NMB
10/13/95	0745	417	74	SK	205	210	205	T/T	50	53	60	62	P	NMB
10/13/95	0750	418	74	VS	171	205	200	T/T	59	68	63	68	P	NMB
10/13/95	0800	419	75	KC	198	210	205	T/T	57	56	63	61	P	NMB
10/13/95	1250	420	79	VS	171	210	205	T/T	71	70	69	75	P	NMB
10/13/95	1255	421	79	KC	198	210	205	T/T	56	58	61	60	P	NMB
10/13/95	1300	422	79	SK	205	205	200	T/T	56	60	67	69	P	NMB
10/14/95	0750	423	64	VS	171	215	205	T/T	65	68	71	70	P	NMB
10/14/95	0800	424	64	KC	198	225	210	T/T	53	54	56	57	P	NMB

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DATE	TIM	SAMPLE NUMBER	AMBIENT TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER	SET TEMPERATURE (C)	PREHEAT TEMPERATURE (C)	SAMPLE TYPE	PEEL 1	PEEL 2	SHEAR 1	SHEAR 2	PASS/FAIL	QA ID
10/14/95	1240	425	70	VS	171	215	205	T/T	62	64	67	63	P	NMB
10/14/95	1300	426	70	KC	198	225	210	T/T	56	60	65	71	P	NMB
10/16/95	0730	427	64	VS	171	225	210	T/T	56	59	65	69	P	NMB
10/16/95	0745	428	64	CS	205	205	210	T/T	83	74	81	77	P	NMB
10/16/95	0800	429	64	AL	133	215	225	T/T	68	63	71	76	P	NMB
10/16/95	1240	430	72	KC	133	210	225	T/T	55	52	57	56	P	NMB
10/16/95	1245	431	72	VS	171	210	225	T/T	59	57	68	65	P	NMB
10/16/95	1300	432	72	SK	205	210	215	T/T	56	57	70	71	P	NMB
10/17/95	0830	433	62	VS	171	210	225	T/T	59	64	72	69	P	NMB
10/17/95	0845	434	62	AL	133	215	225	T/T	62	58	63	71	P	NMB
10/17/95	0930	435	63	SK	205	210	220	T/T	67	59	71	68	P	NMB
10/17/95	1245	436	72	VS	171	210	215	T/T	60	62	67	59	P	NMB
10/17/95	1300	437	72	KC	133	210	225	T/T	54	55	60	62	P	NMB
10/17/95	1310	438	72	SK	133	210	225	T/T	60	59	63	67	P	NMB
10/18/95	0800	439	49	AL	171	210	225	T/T	65	63	72	71	P	NMB
10/18/95	0810	440	49	SK	205	210	225	T/T	61	69	70	69	P	NMB
10/18/95	0820	441	50	KC	133	210	225	T/T	53	55	61	64	P	NMB
10/18/95	1245	442	69	AL	171	210	225	T/T	54	53	67	65	P	NMB
10/18/95	1300	443	69	KC	133	210	225	T/T	52	54	61	64	P	NMB
10/18/95	1305	444	69	SK	205	221	225	T/T	60	62	64	63	P	NMB
10/19/95	0735	445	60	KC	133	210	220	T/T	56	54	63	68	P	NMB
10/19/95	0745	446	60	AL	205	210	215	T/T	55	52	63	67	P	NMB
10/19/95	0800	447	61	VS	171	210	225	T/T	59	63	71	68	P	NMB
10/19/95	1250	448	70	KC	133	215	225	T/T	55	59	61	65	P	NMB
10/19/95	1300	449	70	AL	205	210	220	T/T	54	56	63	68	P	NMB
10/20/95	0745	450	58	AL	133	210	215	T/T	67	65	75	69	P	NMB
10/20/95	0800	451	58	VS	205	210	225	T/T	61	63	67	69	P	NMB
10/20/95	0900	452	61	SH	198	210	220	T/T	56	66	72	68	P	NMB
10/20/95	1240	453	70	KC	133	210	215	T/T	60	63	66	69	P	NMB
10/20/95	1300	454	70	VS	205	210	225	T/T	68	60	67	72	P	NMB
10/20/95	1305	455	70	SH	198	210	220	T/T	56	68	71	68	P	NMB
10/24/95	1000	456	58	KC	133	210	220	T/T	60	62	59	64	P	NMB
10/25/95	0730	457	54	AL	171	210	215	T/T	68	70	76	75	P	NMB
10/25/95	0805	458	54	KC	133	210	225	T/T	54	60	61	62	P	NMB
10/25/95	0815	459	54	SH	198	210	225	T/T	57	55	62	60	P	NMB
10/25/95	0820	460	54	VS	205	210	220	T/T	54	62	67	63	P	NMB
10/25/95	1235	461	64	AL	171	210	215	T/T	59	60	63	61	P	NMB
10/25/95	1250	462	64	SH	198	210	225	T/T	57	60	65	63	P	NMB
10/25/95	1255	463	64	KC	133	210	225	T/T	55	62	59	67	P	NMB
10/25/95	1310	464	64	VS	205	210	220	T/T	60	63	72	68	P	NMB
10/26/95	0800	465	54	KC	133	210	225	T/T	58	69	63	66	P	NMB
10/26/95	0805	466	54	AL	171	210	225	T/T	69	72	79	75	P	NMB
10/26/95	0830	467	54	VS	205	210	225	T/T	63	68	72	69	P	NMB
10/26/95	1250	468	64	KC	133	210	225	T/T	52	54	58	60	P	NMB
10/26/95	1300	469	64	AL	171	210	225	T/T	66	63	72	70	P	NMB
10/26/95	1315	470	64	VS	205	210	225	T/T	56	62	72	69	P	NMB
10/27/95	0745	471	52	AL	171	210	225	T/T	65	70	73	76	P	NMB
10/27/95	0805	472	52	KC	133	210	225	T/T	61	58	67	65	P	NMB

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10/27/95	0815	473	52	SH	198	210	225	T/T	56	57	59	62	P	NMB
10/27/95	0830	474	53	VS	205	215	220	T/T	70	65	72	74	P	NMB
10/30/95	1240	475	60	CS	205	210	225	T/T	55	56	60	57	P	JJP
11/1/95	0715	476	54	AL	205	205	215	T/T	63	60	67	67	P	JJP
11/1/95	0730	477	54	SH	171	210	215	T/T	64	62	68	66	P	JJP
11/1/95	0745	478	54	KC	133	205	215	T/T	57	59	61	64	P	JJP
11/6/95	0745	479	40	CS	205	210	225	T/T	72	69	71	70	P	JJP
11/6/95	0750	480	40	VS	198	210	220	T/T	71	70	72	72	P	JJP
11/6/95	0800	481	40	KC	133	210	225	T/T	51	53	61	63	P	JJP
11/6/95	0810	482	40	AL	132	205	215	T/T	65	69	73	75	P	JJP
11/6/95	1240	483	50	AL	132	205	215	T/T	67	69	76	75	P	JJP
11/6/95	1235	569	46	VS	198	210	225	T/T	64	66	70	68	P	DWW
11/6/95	1240	570	48	KC	133	210	225	T/T	65	68	69	70	P	DWW
11/7/95	0740	484	41	AL	132	210	225	T/T	68	69	72	75	P	DWW
11/7/95	0745	485	41	VS	198	210	225	T/T	63	66	69	70	P	DWW
11/7/95	0750	486	42	KC	131	210	225	T/T	60	59	64	59	P	DWW
11/8/95	0755	487	44	AL	132	210	225	T/T	71	70	78	76	P	DWW
11/8/95	0810	488	44	KC	131	210	225	T/T	69	67	71	74	P	DWW
11/8/95	0815	489	44	VS	198	210	225	T/T	65	63	67	70	P	DWW
11/8/95	0825	490	45	CS	205	210	225	T/T	65	67	69	67	P	DWW
11/8/95	1220	491	47	CS	205	210	220	T/T	58	56	69	68	P	DWW
11/8/95	1224	492	47	KC	198	210	225	T/T	51	54	62	65	P	DWW
11/8/95	1228	493	48	LK	133	210	225	T/T	52	51	62	64	P	DWW
11/9/95	0730	494	33	CS	205	210	220	T/T	61	62	64	62	P	DWW
11/9/95	1245	495	42	CS	205	210	220	T/T	57	66	67	66	P	DWW
11/9/95	1250	496	42	KC	198	210	225	T/T	60	61	61	62	P	DWW
11/9/95	1255	497	43	LK	132	225	240	T/T	67	65	70	69	P	DWW
11/10/95	0730	498	39	AL	132	215	225	T/T	62	65	81	75	P	DWW
11/10/95	0740	499	41	VS	198	210	220	T/T	67	63	70	72	P	DWW
11/10/95	0745	500	41	CS	205	210	220	T/T	67	66	70	71	P	DWW
11/13/95	0730	501	44	CS	205	210	220	T/T	57	62	65	66	P	DWW
11/13/95	0740	502	44	AL	132	215	225	T/T	63	66	69	70	P	DWW
11/13/95	0750	503	45	VS	198	210	220	T/T	57	59	61	59	P	DWW
11/13/95	1245	504	47	KC	132	210	225	T/T	53	54	62	64	P	DWW
11/13/95	1300	505	47	AL	132	210	225	T/T	69	67	75	77	P	DWW
11/13/95	0730	571	47	VS	205	210	225	T/T	66	65	68	68	P	DWW
11/13/95	1235	572	48	VS	205	210	225	T/T	68	70	71	69	P	DWW
11/16/95	0730	506	40	KS	205	210	220	T/T	61	66	72	70	P	DWW
11/16/95	0800	507	41	KC	133	210	225	T/T	51	52	59	59	P	DWW
11/16/95	0815	508	43	LK	132	210	225	T/T	60	66	72	71	P	DWW
11/16/95	1245	509	45	CS	205	210	220	T/T	61	60	67	66	P	DWW
11/16/95	1255	510	45	AL	132	210	225	T/T	67	65	70	69	P	DWW
11/17/95	0740	511	41	CS	205	220	230	T/T	62	66	72	67	P	DWW
11/17/95	0745	512	42	AL	132	220	230	T/T	63	67	70	69	P	DWW
11/17/95	0800	513	42	LK	198	220	245	T/T	61	63	72	70	P	DWW
11/17/95	0804	514	43	KC	133	215	240	T/T	60	66	67	70	P	DWW
11/17/95	1300	515	45	AL	132	210	225	T/T	61	63	65	67	P	DWW
11/17/95	0738	573	46	VS	205	210	225	T/T	69	71	66	68	P	DWW

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11/17/95	1233	574	48	VS	205	210	225	T/T	70	71	71	72	P	DWW
11/17/95	1236	575	49	KC	133	215	225	T/T	65	68	66	67	P	DWW
11/17/95	1235	580	46	KC	133	210	225	T/T	62	65	65	68	P	DWW
11/18/95	0740	516	45	VS	205	220	230	T/T	57	54	60	58	P	DWW
11/18/95	0754	517	44	KC	133	210	225	T/T	51	52	58	59	P	DWW
11/18/95	0750	518	46	AL	132	210	225	T/T	65	60	68	67	P	DWW
11/18/95	1234	576	47	VS	205	210	225	T/T	69	70	72	71	P	DWW
11/18/95	1238	577	48	KC	133	215	225	T/T	68	64	70	71	P	DWW
11/18/95	1240	578	48	AL	132	210	225	T/T	72	70	69	71	P	DWW
11/20/95	0730	519	44	AL	132	215	225	T/T	65	65	62	66	P	DWW
11/20/95	0738	520	45	VS	205	210	220	T/T	64	63	65	65	P	DWW
11/20/95	0800	521	45	KC	133	215	225	T/T	67	62	66	63	P	DWW
11/20/95	1240	522	46	AL	132	215	225	T/T	67	66	71	70	P	DWW
11/20/95	1250	523	46	KC	133	215	225	T/T	61	63	67	69	P	DWW
11/20/95	1255	524	47	VS	205	210	220	T/T	65	63	68	67	P	DWW
11/21/95	0800	525	41	KC	133	210	225	T/T	51	53	57	59	P	DWW
11/21/95	0740	526	41	VS	205	220	230	T/T	55	57	62	60	P	DWW
11/21/95	0800	527	42	AL	132	215	225	T/T	61	64	65	63	P	DWW
11/21/95	1250	528	45	KC	133	210	225	T/T	51	52	57	59	P	DWW
11/21/95	1240	529	46	VS	205	220	230	T/T	57	60	67	69	P	DWW
11/21/95	1255	530	47	AL	132	215	225	T/T	65	68	71	74	P	DWW
11/22/95	0720	531	45	KC	133	210	225	T/T	51	52	57	58	P	DWW
11/22/95	0730	532	46	VS	205	220	230	T/T	56	55	66	59	P	DWW
11/22/95	0745	533	45	AL	132	215	225	T/T	67	67	70	69	P	DWW
11/22/95	1245	534	48	VS	205	220	230	T/T	59	58	66	67	P	DWW
11/22/95	1250	535	48	KC	133	220	230	T/T	58	60	64	63	P	DWW
11/22/95	1240	536	49	AL	132	215	225	T/T	61	60	65	67	P	DWW
11/27/95	0745	537	41	AL	132	210	225	T/T	59	57	65	63	P	DWW
11/27/95	0800	538	43	KC	133	210	225	T/T	65	61	68	65	P	DWW
11/27/95	1255	539	46	VS	205	220	230	T/T	61	60	60	61	P	DWW
11/27/95	1258	560	47	AL	132	210	225	T/T	63	61	67	67	P	DWW
11/27/95	1305	561	47	KC	133	210	225	T/T	60	59	65	63	P	DWW
11/27/95	0750	579	40	VS	205	215	225	T/T	66	65	68	68	P	DWW
11/28/95	0735	562	42	AL	132	210	225	T/T	61	59	65	63	P	DWW
11/28/95	0835	563	43	VS	205	210	225	T/T	61	61	69	69	P	DWW
11/28/95	1245	564	47	AL	132	210	225	T/T	61	63	65	64	P	DWW
11/28/95	1250	565	47	VS	205	210	225	T/T	60	59	63	67	P	DWW
11/28/95	1255	566	48	KC	133	210	225	T/T	59	57	63	65	P	DWW
11/28/95	0733	581	37	KC	133	210	225	T/T	67	68	69	68	P	DWW
11/30/95	0815	567	43	SH	133	215	225	T/T	63	65	65	65	P	DWW
12/2/95	0730	568	40	AL	132	215	225	T/T	65	64	65	63	P	DWW
12/2/95	0735	569	40	KC	133	215	225	T/T	68	66	64	65	P	DWW
12/2/95	1245	570	45	LK	198	210	225	T/T	62	65	64	66	P	DWW
12/2/95	1235	571	45	AL	132	215	225	T/T	66	64	66	68	P	DWW
12/2/95	1240	572	46	KC	133	215	225	T/T	63	64	65	64	P	DWW
12/4/95	0740	573	42	KC	133	215	225	T/T	68	65	66	67	P	DWW
12/4/95	0745	574	43	VS	205	210	225	T/T	67	65	65	64	P	DWW
12/4/95	0750	575	43	LK	198	215	225	T/T	65	66	66	64	P	DWW

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12/4/95	1240	576	46	VS	205	215	225	T/T	66	66	68	65	P	DWW
12/4/95	1245	577	47	LK	198	210	225	T/T	68	65	65	67	P	DWW
12/5/95	0740	578	40	KS	132	215	225	T/T	64	65	68	66	P	DWW
12/4/95	1245	579	45	VS	205	215	225	T/T	66	67	65	67	P	DWW
12/5/95	0745	580	40	KC	133	210	225	T/T	68	67	65	68	P	DWW
12/5/95	0748	581	41	VS	205	210	225	T/T	65	64	67	67	P	DWW
12/5/95	0840	582	43	VS	133	215	225	T/T	68	65	65	66	P	DWW
12/5/95	0745	583	42	LK	198	210	225	T/T	64	64	67	65	P	DWW
12/5/95	0750	584	43	CS	205	210	225	T/T	66	65	65	68	P	DWW
12/5/95	1240	585	47	VS	133	215	225	T/T	68	67	65	68	P	DWW
12/5/95	1245	586	47	LK	198	210	225	T/T	66	68	68	67	P	DWW
12/6/95	0745	587	40	CS	205	215	225	T/T	68	66	67	66	P	DWW
12/6/95	0740	588	40	AL	132	210	225	T/T	63	65	67	69	P	DWW
12/6/95	0743	589	41	KC	133	215	225	T/T	65	62	65	68	P	DWW
12/6/95	1240	590	47	KC	133	215	225	T/T	62	60	65	63	P	DWW
12/6/95	1245	591	47	CS	205	210	225	T/T	60	57	63	64	P	DWW
12/6/95	1248	592	47	AL	132	215	225	T/T	63	67	65	66	P	DWW
12/7/95	0745	593	41	SH	205	215	225	T/T	65	64	65	68	P	DWW
12/7/95	0750	594	41	KS	205	215	225	T/T	66	67	62	67	P	DWW
12/7/95	0845	595	42	AL	132	210	225	T/T	66	68	67	69	P	DWW
12/8/95	0730	596	42	AL	132	215	225	T/T	65	67	67	62	P	DWW
12/12/95	0830	597	24	CS	205	230	250	T/T	66	70	71	68	P	DWW
12/12/95	1240	598	26	CS	205	230	250	T/T	67	66	68	67	P	DWW
12/13/95	0730	599	24	CS	205	220	235	T/T	64	62	69	68	P	DWW
12/13/95	1235	600	31	CS	205	220	230	T/T	61	60	66	69	P	DWW
4/24/96	1000	601	46	BK	241	220	245	T/T	61	63	64	64	P	JK
4/24/96	1040	602	46	KS	D2	220	245	T/T	57	60	66	64	P	JK
4/25/96	0810	603	55	KS	241	220	245	T/T	64	59	64	62	P	JK
4/25/96	0830	604	55	BK	D2	220	245	T/T	56	54	62	61	P	JK
4/25/96	1245	605	73	KS	241	220	245	T/T	60	57	63	62	P	JK
4/25/96	1255	606	73	BK	D2	220	245	T/T	53	56	59	62	P	JK

APPENDIX S

SEAMING LOG

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: Test Pad 13A - 13E

PRIMARY: [✓] SECONDARY: [ ] OTHER: [X] PRODUCT TYPE: 40 mil Textured VLDPE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/©)	LOCATION COMMENTS	QA ID
26/4	P1/P2	8:30	158	W1154	TT	213	Test Pad 13A-13E	MT
	P2/P3	9:05	150					MT
	P3/P4	10:20	147					MT
	P4/P5	10:50						MT
	P5/P1							MT
					KO	220	Channel J Another Track	MT
					TT	210		MT
27/4							0'-3'	MT
							0'-4' + Channel J	MT
							151' to end	MT
				4281	KO	220	155' to end	MT
	P		18	G291	TT	210	0'-3' + Channel J	MT
			744		Extrusion	85 QD	L.F.	—
NO	FURTHER		ENTRIES	-	THIS	Page	—	H.L.

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: Downhill of Testpad 13A - 13E

PRIMARY: [X] SECONDARY: [ ] OTHER: [X] PRODUCT TYPE: 40 mil VLDPE TEXT.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/©)	LOCATION COMMENTS	QA ID
4/5	P7/P8	10:30	76	1154	TT	213	Below Test pad	GD
	P8/P9	11:22	73					GD
	P9/P10	11:45	74					GD
	P10/P11	1:10	71					GD
	P11/P12	1:35	70					GD
—	Fusion Total		364	L.F.	—	—	—	—
—	Fusion Total To date		1108	L.F.	—	—	—	—
—	—	—	—	—	—	—	—	—
5/5	7/8	8:45	19	281	K.P.	—	Anchor Trench Below T.P.	M1
	8/9	10:30	6	"	"	—		M1
	9/10	10:15	17	"	"	—		M1
	10/11	9:45	18	291	T.T.	—		M1
	11/12	10:00	4	"	"	—		M1
	6/7	9:00	22	281	Y.S.	—		M1
	5/8	9:45	22	"	"	—		M1
	4/9	10:45	22	"	"	—		M1
	3/10	10:45	22	291	T.T.	—		M1
	2/11	10:15	22	"	"	—		M1
	1/12	9:30	22	"	"	—		M1
—	Extrusion Total		196	L.F.		—	—	—
—	Extrusion Total To date		281	L.F.		—	—	—
No	Further	Entries		This		Page.	—	HL
	TOTAL (1)		560'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 560' (ft) ACCUMULATED 1304 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 8 day 5 month 95 year

LOCATION: Upslope of Testpad 13A - 13E

PRIMARY: ☒ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE TEXT.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F)/ °C)	LOCATION COMMENTS	QA ID
8/5	13/14	8:55	78	1310	TT	415°	Upslope of Test Pad	MJ
	14/15	9:10	87					MJ
	15/16	9:25	95					MJ
	16/17	10:30	102					MJ
	17/18	10:45	105					MJ
	1/13	11:45	22				tie in	MJ
	2/14	12:55	22.5					MJ
	3/15	1:10	24.3					MJ
	4/16	1:25	23.4					MJ
	5/17	1:40	23.6					MJ
	6/18	1:55	23.5					MJ
—	Fusion total		606 LF					—
—	Fusion total To date		1714 LF	—	—	—	—	—
NO	Further	—	Entries	—	This	Page	—	H.L.

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GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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 1995 year
LOCATION: West Slope Between 5 and 6
PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40mil VLDPE T/T

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F)/(°C)	LOCATION COMMENTS	QA ID
8/6	19/20	1:20	29'	1310	TT	83	CREST TRENCH K TO	BM
"	19/20	1:35	19'	1310	TT	83	CREST TRENCH X	BM
"	19/20	1:41	80'	1310	TT	83	"	BM
"	19/20	1:20	88'	1145	KO	83	"	BM
"	19/20	1:45	79'	1145	KO	82	"	BM
"	19/20	155	66'	1145	KO	82	"	BM
"	19/20	230	12'	N/A	KC	81	Channel K	MT
—	—	361 LF Fusion		12 LF extrusion			—	—
—	—	Fusion To date	2075 LF	—			—	—
9/6	20/21	220	220	1310	TT	85°	West Toe 5-6	MT
"	20/21	235	221	1154	KO	75°	Channel D to End	MT
—	—	441 LF Fusion		—	—	—	—	—
—	—	Fusion to date	2516	—	—	—	—	—
14/6	21/22	855	142	1154	KO	65	Between 5+6	
"	21/22	910	255	1310	TT	65	" Downslope of D	MT
"	22/23	1020	152	1154	KO	67	" Upslope of D	"
"	22/23	1025	230	1310	TT	67	" Downslope of D	"
"	23/24	1120	137	1310	TT	70	" " C	"
"	23/24	1130	250	1154	KO	70	" Upslope of C	"
"	24/25	215	269	1310	TT	72	" Downslope of D	"
"	24/25	240	165	1154	KO	74	" Upslope of D	"
—	—	1600 LF Fusion weld		—		—	—	—
—	—	4116 LF Fusion To date		—		—	—	—
No	Further		Entries	—	This	Page	—	H.L.
		TOTAL (1)	2414					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 2414 (ft) ACCUMULATED 4324 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: N West Slope

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil Text. VLDPE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F)/°C)	LOCATION COMMENTS	QA ID
15/6	25/26A	10:45	281	1154	KO	76	Above Channel C	MJ
—	Fusion total To date				4397	—	—	—
—	—	—	—	—	—	—	—	—
16/6	25/26B	9:15	166	1310	TT	73	Below channel C	MJ
"	26A/26B	9:45	22	1154	KO	74	Above Crest channel C	GD
"	26A/27	10:00	282	↓	↓	74	↓	
"	26B/27	10:00	165	1310	TT	74	Below Channel C	
"	27/28	11:00	257	↓	↓	77	↓ D	MJ
"	27/28	11:10	190	1154	KO	77	Above Channel D	MJ
"	28/29	2:30	173	↓	↓	82	↓	MJ
"	28/29	2:15	254	1310	TT	82	Below Channel D	MJ
—	Fusion total		1509		—	—	—	—
—	Total To date		5906		—	—	—	—
—	—	—	—	—	—	—	—	—
21/6	19/30A	1140	100	1310	TT	79	C→D	MJ
"	30A/30B	105	22.2	↓	↓	71	Above channel C	MJ
"	19/30A	120	65	1062	KO	71	" " K	MJ
"	19/30B	115	110	1310	TT	71	X-C	MJ
"	↓	140	29	↓	↓	↓	Below X	MJ
"	19/30A	145	86	1062	KO	71	D-K	MJ
"	30A/31	255	123	↓	↓	74	Above D	MJ
"	30B/31	305	30	1310	TT	74	Below X	MJ
—	— Daily total		565 LF		—	—	—	—
—	— Total To date		6471 LF		—	—	—	H.L.
	TOTAL (1)		2355					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 2355 (ft) ACCUMULATED 6679 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: West Slope

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil Text. VLOPE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) °C)	LOCATION COMMENTS	QA ID
22/06	30B/31	8:30	111	~~1029~~ 1310	TT	72	Between S & 6 X→C	mj
	30A/31	9:20	99	↓ 1310	↓	75	C→D	mj
	31/32	1:00	50	~~1029~~	TT	82	Above D	mj
	31/32	1:20	98			82	C-D	mj
	31/32	1:50	110			81	X-C	mj
	31/32	2:10	34			81	Below-X	mj
	32/33	2:45	34			84	↓	mj
	↓	2:52	110			84	X-C	mj
		3:15	100			84	C-A	mj
		3:25	50			83	Above A	mj
—	—	Daily Total 796 LF			Fusion Total to date 7267 LF			
—	—	—	—	1310	—	—	—	—
23/06	33/34	11:20	33	~~1029~~	TT	70	Between S & 6 Below X	mj
	↓	11:35	109			70	X-C	mj
	33/34	12:55	114			75	C-D	mj
	34/35	1:25	110			75	↓	mj
	↓	1:55	109			74	X-C	mj
		2:30	23			77	Below X	mj
	35/36	2:40	23			77	↓	mj
	↓	2:50	110			77	X-C	mj
		Daily Total	—	—	—	—	—	—
No	Further	—	Entries	—	This	—	Page	H.C.
		TOTAL (1)	1427					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1427 (ft) ACCUMULATED 8106 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

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

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
28-06	19-West	0935	22'	1062	T.T.	298' From 0'	H.L.
28-06	19-East	0930	22'	1062	T.T.	301' "	H.L.
28-06	30-West	1030	22'	1062	T.T.	110' "	H.L.
28-06	30-East	1037	22'	1062	T.T.	113' "	H.L.
28-06	31-West	1140	22'	1062	T.T.	288' "	H.L.
28-06	31-East	1147	22'	1062	T.T.	291' "	H.L.
28-06	32-West	1330	22'	1062	T.T.	293' "	H.L.
28-06	32 East	1340	22'	1062	T.T.	295' "	H.L.
28-06	33-West	1400	22'	1062	T.T.	294' "	H.L.
29-06	33-East	A.M.	22'	G-52	CHRIS	297' "	H.L.
	No	Further		Entries		This Page	HL
		TOTAL (1)	220'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 220' (ft) ACCUMULATED 8326 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 29 day 06 month 1995 year

CONTRACTOR: Gundle

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLOPE Text Carp

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
29-06	36-37	0845	31'	1062	T.T.	0' - 31'	H.L.
12-07	36-37	AM	12'	G-291	VANH	EXT. 31' TO 43'	H.L.
29-06	36-37	0830	182'	1154	K.C.	43' TO 225'	H.L.
29-06	37-38	0945	30'	1062	T.T.	0' TO 30'	H.L.
12-07	37-38	AM	12'	G-291	VANH	30' TO 42' EXT.	H.L.
29-06	37-38	0910	193'	1154	K.C.	42' TO 235'	H.L.
29-06	38-39	1045	28'	1062	T.T.	0' TO 28'	H.L.
12-07	38-39	AM	12'	G-291	VANH	28' TO 40' EXT.	H.L.
29-06	38-39	1020	175'	1154	K.C.	40' TO 215'	H.L.
29-06	39-40	1320	24'	1062	T.T.	0' TO 24'	H.L.
10-07	39-40	PM	12'	G-291	VANH	24' TO 38' EXT.	H.L.
29-06	39-40	1315	125'	1154	K.C.	38' TO 163'	H.L.
29-06	40-41	1345	28'	1062	T.T.	0' TO 28'	H.L.
10-07	40-41	PM	12'	G-291	VANH	28' TO 40' EXT.	H.L.
29-06	40-41	1355	92'	1154	K.C.	40' TO 132'	H.L.
29-06	41-42	1450	29'	1062	T.T.	0' TO 29'	H.L.
10-07	41-42	AM	12'	G-291	VANH	29' TO 41' EXT.	H.L.
29-06	41-42	1420	50'	1062	T.T.	41' TO 91'	H.L.
29-06	42-43	1500	30'	1062	T.T.	0' TO 30'	H.L.
10-07	42-43	AM	12'	G-281	KC	30' TO 42' EXT.	H.L.
29-06	43-44	1510	38'	1062	TT	0' TO 38'	H.L.
29-06	43-45	1522	18'	1062	T.T.	0' TO 18'	H.L.
29-06	44-45	1529	20'	1062	T.T.	0' TO 20'	H.L.
NO	FURTHER		ENTRIES		—	—	H.L.
		TOTAL (1)	1179				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1179' (ft) ACCUMULATED 9505 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE) Friday

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

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
30-06	44-46	0800	22'	1136	CHRIS	0' To 22'	H.L.
03-07	44-46	1140	5'	G-52	CHRIS	22' To 27' Ext.	H.L.
30-06	44-46	0830	12'	1062	T.T.	27' To 39'	H.L.
30-06	46-47	0835	26'	1136	CHRIS	0' To 26'	H.L.
03-07	46-47	0715	12'	G-52	CHRIS	26' To 38' Ext.	H.L.
30-06	46-47	0836	26'	1062	T.T.	38' To 64'	H.L.
30-06	47-48	0901	22'	1136	CHRIS	0' To 22'	H.L.
03-07	47-48	1555	12'	G-52	CHRIS	22' To 34' Ext.	H.L.
30-06	47-48	0915	46'	1062	T.T.	34' To 80'	H.L.
30-06	48-49A	1110	23'	1136	CHRIS	0' To 23'	H.L.
05-07	48-49	0900	12'	G-52	CHRIS	23' To 35' Ext.	H.L.
30-06	48-49	1025	64'	1062	T.T.	35' To 99'	H.L.
30-06	49A-49	1120	23'	1136	CHRIS	0' To 23'	H.L.
05-07	48-49	0900	11'	G-52	CHRIS	23' To 34' Ext.	H.L.
05-07	49-50A	1030	20'	G-52	CHRIS	0' To 20' Ext.	H.L.
05-07	49-50A	0742	27'	G-52	CHRIS	20' To 47' Ext.	H.L.
30-06	49-50	1110	96'	1062	T.T.	47' To 143'	H.L.
30-06	50A-51	1433	13'	1154	CHRIS	20' To 33'	H.L.
03-07	50A-50	0745	14'	G-52	CHRIS	33' To 47' Ext.	H.L.
30-06	50A-50	1430	20'	1154	CHRIS	0' To 20'	H.L.
30-06	50-51	1130	22'	1136	CHRIS	BuTT	H.L.
30-06	51-52	1140	38'	1136	CHRIS	0' To 38'	H.L.
30-06	50-52	1245	6'	1136	CHRIS	38' To 44'	H.L.
05-07	50-52	1100	12'	G-52	CHRIS	44' To 56' Ext.	H.L.
		TOTAL (1)	596'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 596' (ft) ACCUMULATED 10101 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

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

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Textured Cap

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
05-07	50-52	1345	6'	G-52	CHRIS	56' To 62' Ext.	H.L.
30-06	50-53	1305	123'	1062	T.T.	62' To 185'	H.L.
30-06	52-53	1315	22'	1136	CHRIS	Bur	H.L.
30-06	52-54	1340	46'	1136	CHRIS	0' To 46'	H.L.
03-07	52-54	0928	12'	G-52	CHRIS	46' To 58' Ext.	H.L.
05-07	52-54	1500	17'	G-52	CHRIS	58' To 75'	H.L.
30-06	53-54	1525	9'	1062	T.T.	75' To 84'	H.L.
30-06	55-53	1410	115'	1062	T.T.	84 To 199'	H.L.
05-07	53-55	AM	6'	G-291	VANH	199 To 205' Ext.	H.L.
30-06	53-55	1500	16'	1062	TT	205' To 221'	H.L.
30-06	54-55	1520	22'	1062	T.T.	Bur	H.L.
30-06	54-56	1510	51'	1154	CHRIS	0' To 51'	H.L.
03-07	54-56	1035	12'	G-52	CHRIS	51' To 63' Ext.	H.L.
30-06	54-56	1520	19'	1154	CHRIS	63' To 82'	H.L.
30-06	43-46	0815	32'	1062	T.T.	25' To 57' Crossseam N/W.	H.L.
30-06	42-46	0830	12'	1062	T.T.	57' To 69'	H.L.
30-06	42-47	0900	30'	1062	T.T.	69' To 99'	H.L.
30-06	41-48	1000	27'	1062	T.T.	99' To 126'	H.L.
30-06	41-49	1050	16'	1062	T.T.	126' To 142'	H.L.
30-06	40-49	1053	13'	1062	T.T.	142' To 155'	H.L.
30-06	40-50	1330	29'	1062	T.T.	155' To 184'	H.L.
30-06	39-53	1455	26'	1062	T.T.	184' To 210'	H.L.
30-06	39-55	1459	20'	1062	T.T.	210' To 230'	H.L.
—	No	Further		Entries	—	—	H.L.
		TOTAL (1)	723'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 723' (ft) ACCUMULATED 10824 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE) Monday

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

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLOPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
03-07	38-55	0830	14'	1062	TT	230' To 244' N.W. Class.	H.L.
03-07	38-57	0900	19'	1062	TT	244' To 263' "	H.L.
03-07	37-57	0855	17'	1062	TT	263' To 280' "	H.L.
03-07	37-59	0950	14'	1062	TT	280' To 294' "	H.L.
03-07	36-59	0945	20'	1062	TT	294' To 314' "	H.L.
—	—	—	—	—	—	—	H.L.
03-07	54-57	1100	5'	G-227	J.M.	83' To 88'	H.L.
03-07	55-57	0803	131'	1062	TT	88' To 219'	H.L.
05-07	55-57	P.M.	14'	G-281	K.C.	219 To 233'	H.L.
03-07	55-57	0832	31'	1062	T.T.	233 To 264'	H.L.
03-07	56-58	1045	46'	1062	T.T.	15' H.L. To 66'	H.L.
05-07	54-58	0930	12'	G-52	CHRIS	66' To 78'	H.L.
03-07	56-58	1055	5'	1062	T.T.	78' To 83'	H.L.
03-07	57-58	10:59	10'	1062	T.T.	83' To 93'	H.L.
03-07	57-59	1005	133'	1062	T.T.	93' To 226'	H.L.
06-07	57-59	A.M.	12'	G-281	K.C.	226' To 238'	H.L.
03-07	57-59	0915	59'	1062	T.T.	238' To 297'	H.L.
03-07	56-57	0755	22'	1062	T.T.	BW TT	H.L.
03-07	58-59	0905	22'	1062	TT	BW TT	H.L.
No	Further		Entries	—	—	—	H.L.
		TOTAL (1)	608'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 608' (ft) ACCUMULATED 11432 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

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

CONTRACTOR: Gundle

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Textured

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
05-07	66-65	1115	23'	1062	T.T.	0' To 23'	H.L.
05-07	65-63	1154	70'	1062	T.T.	0' To 70'	H.L.
05-07	PATCH-63	0525	20'	G-52	CHRIS	70' To 90'	H.L.
05-07	PATCH-65	1510	4'	G-52	CHRIS	0' To 4' Butt	H.L.
05-07	63-62	1330	70'	1062	T.T.	0' To 70'	H.L.
05-07	63-62	P.M.	12'	G-227	TT	70' To 82'	H.L.
05-07	63-62	1005	84'	1062	T.T.	82' To 166'	H.L.
05-07	62-60	1400	70'	1062	T.T.	0' To 70'	H.L.
05-07	62-60	P.M.	12'	G-227	T.T.	70' To 82'	H.L.
05-07	62-60	1030	130'	1062	T.T.	82' To 212'	H.L.
05-07	61-60	P.M.	6'	G-281	K.C.	212' To 218'	H.L.
05-07	61-60	1015	43'	1062	T.T.	218' To 261'	H.L.
05-07	62-61	P.M.	22'	G-281	K.C.	Butt	H.L.
05-07	58-66	1105	27'	1062	T.T.	N. Crosscam 0' To 27'	H.L.
05-07	58-65	1020	50'	1062	T.T.	" 27' To 77'	H.L.
05-07	58-65 PATCH H.L.	1530	15'	G-52	CHRIS	" 77' To 92'	H.L.
05-07	59-63	0945	87'	1062	T.T.	" 92' To 179'	H.L.
—	59-				TT	" 179' To 231' Void-H.L. Entry	H.L.
05-07	59-61	0825	48'	1062	T.T.	" 231' To 279'	H.L.
05-07	59-60	0835	50'	1062	T.T.	" 279' To 329'	H.L.
06-07	36-60	0845	9'	1062	T.T.	316' To 325' Cross	H.L.
06-07	35-60	0850	8'	1062	T.T.	325' To 333' Cross	H.L.
—	—	—	—	—	—	—	HL
—	—	—	—	—	—	—	HL
	TOTAL (1)		860'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 860' (ft) ACCUMULATED 12292 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE) THURSDAY

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: GUNDLE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
—	~~60~~	—	—	—	—	—	H.L.
06-07	60-67	0930	44'	206	CHRIS	25' To 69'	H.L.
06-07	60-67	A.M.	29'	G-291	VANH	69' To 98'	H.L.
06-07	60-67	0850	100'	1062	T.T.	98' To 198'	H.L.
06-07	60-67	1000	27'	G-281	K.C.	198' To 225'	H.L.
06-07	60-67	0915	108'	1062	T.T.	225' To 333'	H.L.
—	~~80-68~~	Void	ENTRY	H.L.	—	—	H.L.
06-07	67-68	1000	60'	206	CHRIS	8' To 68'	H.L.
06-07	67-68	A.M.	12'	G-291	VANH	68' To 80'	H.L.
06-07	67-68	1015	111'	206	CHRIS	80' To 191'	H.L.
06-07	67-68	A.M.	4'	G-281	K.C	191' To 203'	H.L.
06-07	67-68	1125	138'	1062	T.T.	203' To 341'	H.L.
06-07	68-69	1300	45'	1136	CHRIS	0' To 65'	H.L.
06-07	68-69	A.M.	14'	G-291	VANH	65' To 79'	H.L.
06-07	68-69	1020	112'	1062	T.T.	79' To 191'	H.L.
06-07	68-69	AM	4'	G-281	CHRIS	191' To 203'	H.L.
06-07	68-69	AM	5'	G-281	CHRIS	203' To 208'	H.L.
06-07	68-70	1035	108'	1062	T.T.	208' To 316'	H.L.
07-07	68-70	P.M	12'	G-281	K.C.	316' To 328'	H.L.
06-07	68-70	1051	13'	1062	T.T.	328' To 341'	H.L.
~~07~~	~~69-79~~	Void	~~12'~~	ENTRY	HL	~~0' To 12'~~	
06-07	69-71	1300	62'	1136	CHRIS	12' To 74'	H.L.
06-07	69-71	1550	12'	G-291	VANH	74' To 86'	H.L.
06-07	69-71	1400	116'	1136	CHRIS	86' To 202'	H.L.
08-07	69-71	0800	12'	G-291	VANH	202' To 214'	H.L.
		TOTAL (1)	1168'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1168' (ft) ACCUMULATED 13460 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE) Thurs Day

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

CONTRACTOR: Gundle

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
08-07	69-71	0900	5'	G-291	VANH	214' To 219'	H.L.
06-07	70-71	1115	113'	1062	T.T.	219' To 332'	H.L.
06-07	70-71	1300	13'	G-281 ~~1062~~	KC ~~T.T.~~	332' To 345'	H.L.
06-07	70-71	1315	18'	1154	K.O.	345' To 363'	H.L.
—	~~79-72~~	—	~~6'~~	Void	ENTRY	HL. ~~0' To 6'~~	H.L.
06-07	71-72	1430	64'	1136	CHRIS	6' To 70'	H.L.
06-07	71-72	PM	12'	G-291	VANH	70' To 82'	H.L.
06-07	71-72	1500	115'	1136	CHRIS	82' To 197'	H.L.
06-07	71-72	PM	12'	G-281	KC	197' To 209'	H.L.
06-07	71-72	1545	116'	1062	TT	209' To 325'	H.L.
06-07	71-72	AM	12'	G-291	VANH	325' To 337'	H.L.
06-07	71-72	1415	38'	1062 1136	TT CHRIS	337' To 375'	H.L.
06-07	72-73	1425	72'	~~1154~~	~~KC~~	0' To 72'	H.L.
06-07	72-73	PM	12'	G-291	VANH	72' To 84'	H.L.
06-07	72-73	1700	120'	~~1154~~ 1062	~~KC~~ TT	84 To 204'	H.L.
07-07	72-73	PM	12'	G-52	CHRIS	204' To 216'	H.L.
06-07	72-73	1630	112'	1062	TT	216' To 328'	H.L.
07-07	72-73	AM	13'	G-281	KC	328' To 341'	H.L.
06-07	72-73	1730	33'	1062	TT	341' To 374'	H.L.
07-07	80-67	1547	22'	1062	TT	BWT	H.L.
07-07	69-70	AM	22'	G-281	KC	BWT	H.L.
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
		TOTAL (1)	926'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 926' (ft) ACCUMULATED 14386 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

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: Gundle,

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
06-07	35-67	1055	17'	1154	KO	Crosseam 310' To 327'	H.L.
06-07	34-67	1110	23'	1154	KO	347' To 370'	H.L.
06-07	34-68	1132	22'	1062	T.T.	370' To 392'	H.L.
06-07	33-68	1110	18'75 HL.	1062	T.T.	392' To 410'	H.L.
06-07	33-70	1118	15'	1062	T.T.	410' To HL 442' 425'	H.L.
06-07	33-70	PM	17'	G-281	KC	425' HL To 442'	H.L.
06-07	32-71	1345	28'	1154	K.O.	442' To 470'	H.L.
06-07	31-71	P.M	10'	G-281	K.C.	470' To 480'	H.L.
06-07	31-71	1350	9'	1154	K.O.	480' To 489'	H.L.
06-07	31-72	1500	23'	1154	K.O.	489' To 512'	H.L.
06-07	31-73	1720	23'	1154	K.O.	512' To 535'	H.L.
06-07	31-74	0915	15'	1062	T.T.	535' To 550'	H.L.
07-7	—	—	—	—	—	ABove Items	HL
—	—	—	—	—	—	are Crosseams	HL
No	Fur	Ther	Entries	—	This	Page	HL
			TOTAL (1)	220'			

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 220' (ft) ACCUMULATED 14606 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

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

CONTRACTOR: Gundle

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
07-07	73-77	0952	32'	1062	TT	0' To 32'	HL
07-07	73-75	1015	43'	1062	TT	32' To 75'	HL
07-07	73-75	1040	12'	G-52	CHRIS	75' To 87'	HL
07-07	73-75	1030	6'	G-52	CHRIS	87' To 93'	HL
07-07	73-76	1305	110'	1062	TT	93' To 203'	HL
07-07	73-78	1415	9'	G-52	CHRIS	203' To 215'	HL
07-07	73-78	1320	97'	1062	TT	215' To 312'	HL
07-07	73-74	1400	14'	1062	TT	312' To 328'	HL
07-07	73-74	1100	16'	G-52	CHRIS	328' To 344'	HL
07-07	73-74	1430	26'	1062	TT	344' To 370'	HL
07-07	77-75	1005	32'	1062	TT	0' To 32'	HL
07-07	75-74	1033	77'	1062	TT	0' To 77'	HL
07-07	75-74	1100	12'	G-52	CHRIS	77' To 89'	HL
07-07	75-74	1115	4'	G-52	CHRIS	89' To 93'	HL
07-07	74-74	1105	110'	1062	TT	93' To 203'	HL
07-07	76-74	1540	6'	G-52	CHRIS	203' To 209'	HL
07-07	78-74	1555	6'	G-52	CHRIS	209' To 215'	HL
07-07	78-74	1415	97'	1062	TT	215' To 312'	HL
07-07	75-76	1335	22'	G-52	CHRIS	Bu TT	HL
07-07	76-78	1400	22'	G-52	CHRIS	Bu TT	HL
No	Further		Entries	—	—	This Page	HL
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
		TOTAL (1)	756'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 756' (ft) ACCUMULATED 15362 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

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

CONTRACTOR: Gundle

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
08-07	52-82	1015	10'	G227	JM	0' To 10'	HL
07-07	54-82	1640	22'	1062	TT	BuTT	HL
07-07	81-82	0915	23'	G227	JM	0' To 23'	HL
08-07	54-81	1000	2'	G227	JM	23' To 25'	HL
07-07	56-81	1453	22'	1062	TT	BuTT	HL
07-07	58-81	1705	15'	1062	TT	0' To 15'	HL
07-07	60-80	1425	25'	1062	TT	0' To 25'	HL
07-07	67-80	1547	22'	1062	TT	BuTT	HL
08-07	68-80	0815	8'	G-52	CHRIS	0' To 8'	HL
07-07	69-79	1542	10'	1062	TT	0' To 10'	HL
07-07	71-79	1510	22'	1062	TT	BuTT	HL
07-07	72-79	1503	6'	102	TT	0' To 6'	HL
-	No	Further	Entries	-	This	Page	HL
	TOTAL (1)		187'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 187' (ft) ACCUMULATED 1554 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE) SKIRT ADD ON NORTH-END

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

LOCATION: Gundle - ADD ON NORTH END - See Drawings page 182

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap TEXT.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
10-07	74-SKIRT	A.M.	17'	G-227	JM	75°	Bwtt By-74	H.L.
10-07	74-SKIRT	AM	5'	G-227	JM	75°	Bwtt By-74	H.L.
10-07	SKIRT-SKIRT	AM	3'	G-227	JM	75°	By-74	H.L.
10-07	SKIRT-SKIRT	AM	3'	G-227	JM	75°	By-74-75	HL
10-07	75-SKIRT	AM	11'	G-227	JM	75°	Bwtt By 75	HL
10-07	75-SKIRT	AM	1'	G-227	JM	75°	By-75	HL
10-07	77-SKIRT	AM	3'	G-227	JM	75°	By-77	HL
10-07	SKIRT-SKIRT	PM	5'	G-227	JM	82°	By 73-77	HL
10-07	SKIRT-SKIRT	PM	5'	G-227	JM	82°	By-73	HL
10-07	73-SKIRT	PM	11'	G-227	JM	82°	By-73 Bwtt	HL
10-07	73-SKIRT	PM	11'	G-227	JM	82°	By-73 Bwtt	HL
10-07	SKIRT-SKIRT	PM	2'	G-227	JM	82°	By-73-72	HL
10-07	72-SKIRT	PM	22'	G-227	JM	82°	Bwtt By 72	HL
10-07	69-SKIRT	1130	17'	G-52	CHRIS	75°	Bwtt By 69	HL
10-07	69-SKIRT	1120	5'	G-52	CHRIS	75°	By 69-68	HL
10-07	68-SKIRT	1110	19'	G-52	CHRIS	75°	By-68	HL
10-07	SKIRT-SKIRT	1115	1'	G-52	CHRIS	75°	By 69-68	HL
10-07	SKIRT-80	1100	17'	G-52	CHRIS	75°	Bwtt By 80	HL
10-07	60-SKIRT	1050	11'	G-52	CHRIS	75°	Bwtt By 60	HL
10-07	80-SKIRT	1040	1'	G-52	CHRIS	75°	By 80-60 HL.	HL
10-07	60-SKIRT	1030	4'	G-52	CHRIS	75°	By-60	HL
10-07	60-SKIRT	1035	2'	G-52	CHRIS	75°	Bwtt By 60	HL
10-07	62-SKIRT	1040	1'	G-52	CHRIS	75°	Bwtt By 62	HL
10-07	60-SKIRT	1041	3'	G-52	CHRIS	75°	By 60	HL
		TOTAL (1)	182'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 182' (ft) ACCUMULATED 1573' (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: Gundle - SKIRT ADD ON By NORTH END See Drawings page 142

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil Cap Text. VLDPE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
10-07	42-SKIRT	1043	3'	G-52	CHRIS	75°	By 42	HL
10-07	45-SKIRT	AM	1'	G-281	K.C.	75°	By 45 BWTT	HL
10-07	46-SKIRT	AM	1'	G-281	KC	75°	BWTT By 46	HL
10-07	45-SKIRT	AM	4'	G-281	KC	75°	By 45	HL
10-07	44-SKIRT	AM	4'	G-281	KC	75°	By 44	HL
10-07	58-SKIRT	AM	4'	G-281	KC	75°	By-58	HL
10-07	81-SKIRT	AM	22'	G-281	KC	75°	By-81 BWTT	HL
10-07	SKIRT-SKIRT	AM	3'	G-281	KC	75°	By 81-82	HL
10-07	82-SKIRT	AM	22'	G-281	KC	75°	By-82	HL
10-07	82-SKIRT	AM	3'	G-281	KC	75°	By-82	HL
10-07	52-SKIRT	AM	15'	G-281	KC	75°	BWTT By 52	HL
10-07	52-SKIRT	PM	7'	G-281	KC	82°	BWTT By 52	HL
10-07	52-SKIRT	PM	10'	G-281	KC	82°	By 82-52	HL
10-07	SKIRT-SKIRT	PM	3'	G-281	KC	82°	By 52	HL
10-07	SKIRT-SKIRT	PM	8'	G-281	KC	82°	By 52-51	HL
10-07	51-SKIRT	PM	7'	G-281	KC	82°	BWTT By 51	HL
10-07	SKIRT-SKIRT	PM	5'	G-281	KC	82°	By 51	HL
10-07	51-SKIRT	PM	15'	G-281	KC	82°	BWTT By 51	HL
10-07	50A-SKIRT	PM	3'	G-281	KC	82°	By 50A	HL
10-07	SKIRT-49A	PM	4'	G-281	KC	82°	By 49A	HL
NO	FURTHER	—	ENTRIES	—	THIS	PAGE	—	HL
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
		TOTAL (1)	144'					

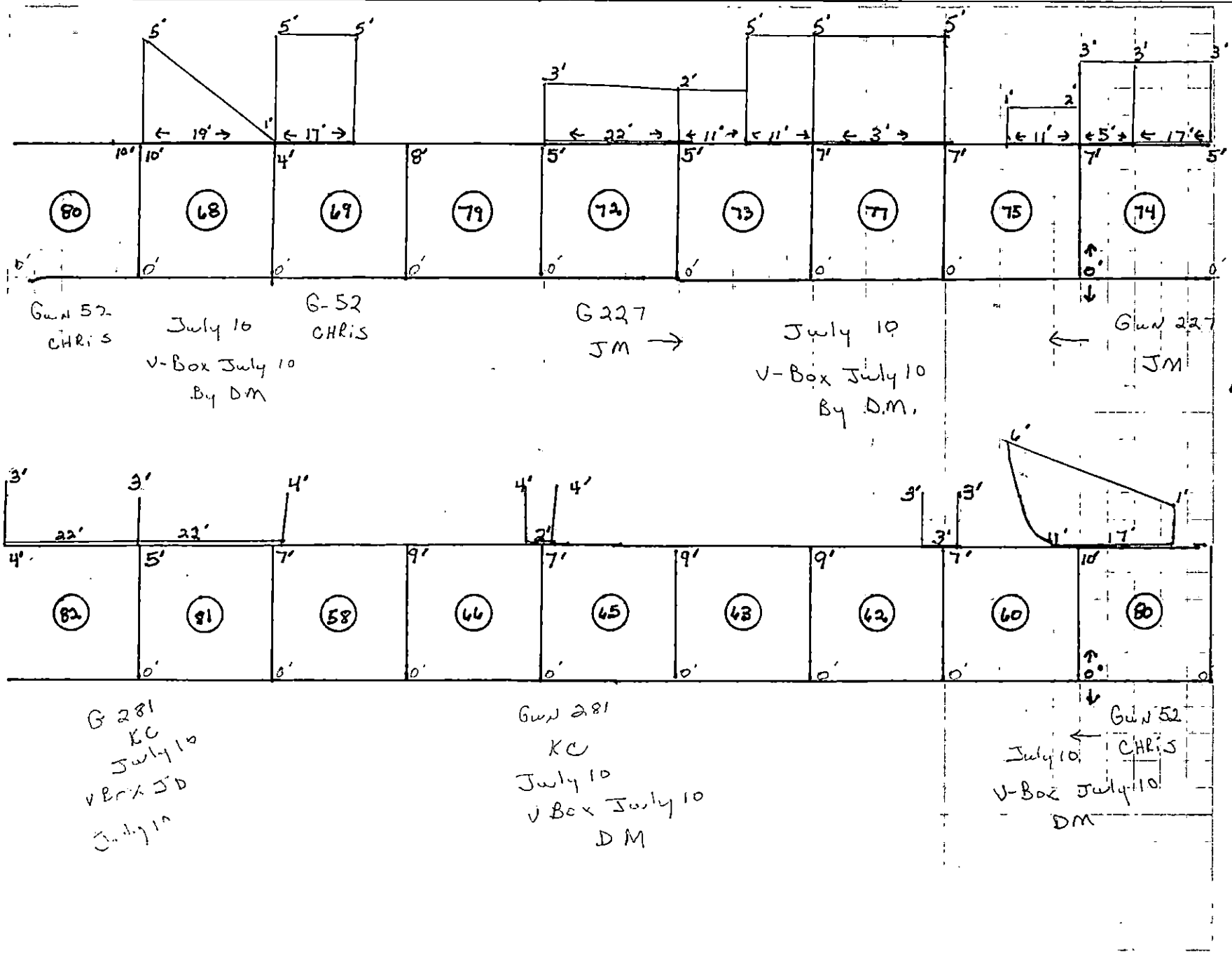
NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 144' (ft) ACCUMULATED 15875 (ft)

SKIRT- ADD-ONS

GEOSYNTEC CONSULTANTS SKIRT ADD ON N - END Page 1 of 2

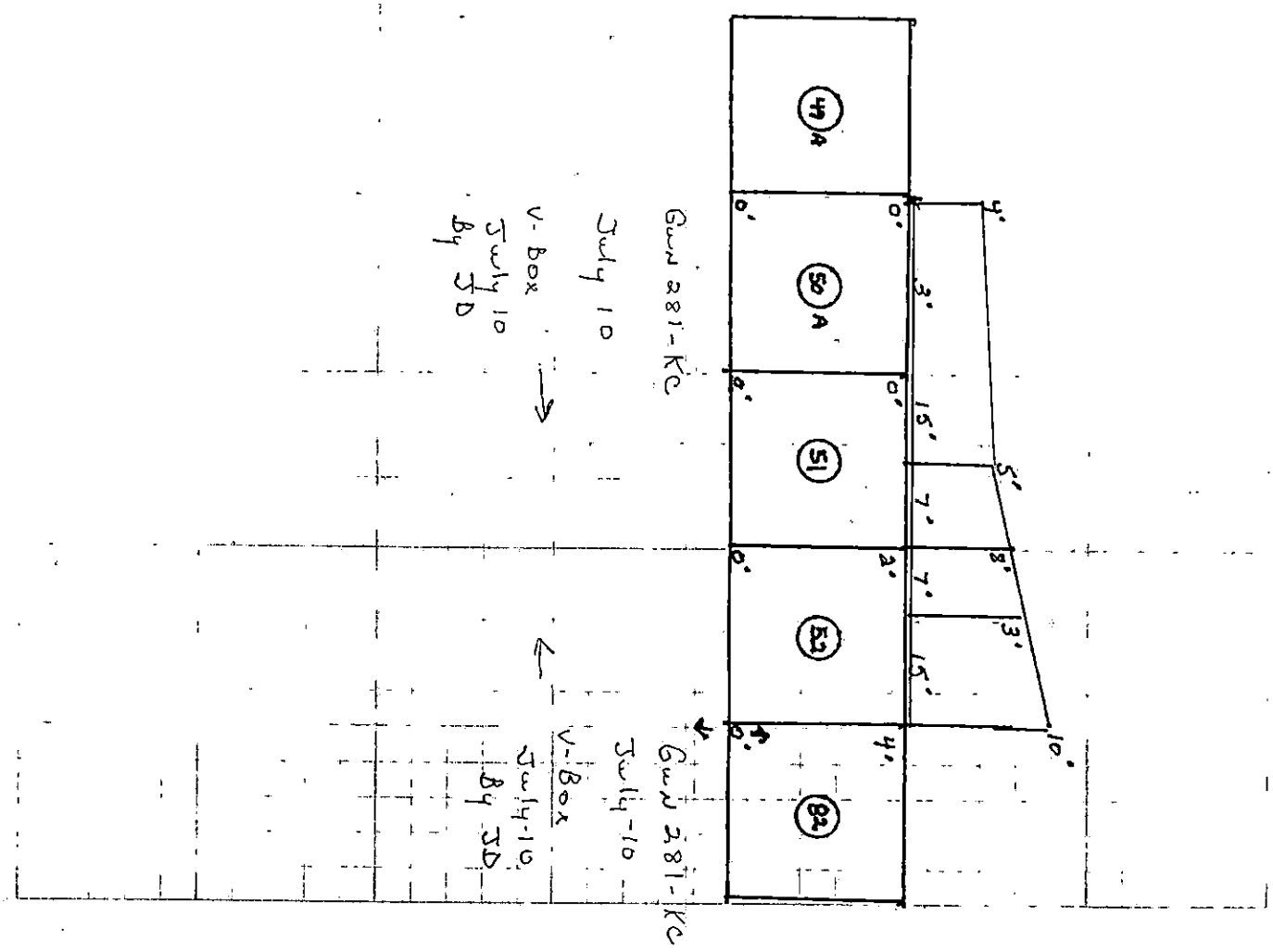
Written by: H. Lyon Date: / / Reviewed by: Date: 10 / 07 / 1991
MM DD YY MM DD

Client: Project: Project/Proposal No.: GQ2700 Task No.: #01



Written by: H. L. Lyon Date: / / Reviewed by: Date: 10 / 07 / 1995
YY MM DD YY MM DD

Client: Project: Project/Proposal No.: GQ3700 Task No.: ~~16~~ 01



GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITHOUT TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 11 day 07 month 1995 year

CONTRACTOR: Gundle

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	LOCATION COMMENTS	QA ID
11-07	36-35A	p.m	21'	G-281	VaNH	0' To 21'	H.L
11-07	35-35A	p.m.	22'	G-281	VANH	Bu TT	HL
11-07	34-35A	p.m	14'	G-281	VANH	0' To 16'	H.L
12-07	20	1015	22'	G-227	T.T.	Crossseam	HL
12-07	19	1045	22'	G-227	T.T.	Crossseam	HL
12-07	19-Cap	0920	56'	1062	TT	45' To 101'	H.L
12-07	30-Cap	0840	56'	1062	TT	45' To 101'	H.L
—	—	—	—	—	—	—	—
13-07	29-83	1003'	23'	1062	T.T.	0' To 23'	HL
13-07	29-83	p.m.	11'	G-227	CHRIS	23' To 34'	HL
13-07	29-83	1030	113'	1062	TT	34' To 147'	H.L
14-07	29-83	Am	12'	G-52	CHRIS	147' To 159'	H.L
13-07	29-83	1000	99'	206	CHRIS	159' To 258'	H.L
13-07	29-83	p.m	18'	G-281	KC	258' To 276'	H.L
13-07	29-83	1005	70'	1154	KO	276' To 346'	H.L
13-07	29-83	1020	12'	G-52	VS	346' To 358'	H.L
13-07	29-88	0935	92'	1154	KO	358' To 450'	H.L
13-07	83-84	1113	18'	1062	TT	0' To 18'	H.L
13-07	83-84	p.m	14'	G-227	CHRIS	18' To 32'	H.L
13-07	83-84	1120	111'	1062	T.T.	32' To 143'	H.L
14-07	83-84	0800	12'	G-52	CHRIS	143' To 155'	H.L
13-07	83-84	1100	95'	206	CHRIS	155' To 250'	H.L
13-07	83-84	pm	14'	G-281	KC	250' To 264'	H.L
13-07	83-84	10:15	73'	1154	V.S.	264' To 337'	H.L
		TOTAL (1)	1002'				

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1002' (ft) ACCUMULATED 16877 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 M.I. VLDPE Cap Tex T.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
13-07	83-84	1130	12'	G-52	V.S.	79°	337' To 349'	HL
13-07	83-84	1045	62'	1154	K.O.	79°	349' To 411'	HL
13-07	83-84	1105	36'	1154	K.O.	79°	411' To 447'	HL
14-07	84-85	0900	18'	1062	T.T.	84°	0' To 18'	HL
14-07	84-85	0930	12'	G-52	CHRIS	84°	18' To 30'	HL
14-07	84-85	0907	113'	1062	T.T.	84°	30' To 143'	HL
14-07	84-85	1011	12'	G-52	CHRIS	84°	143' To 155'	HL
14-07	84-85	0950	97'	1062	T.T.	86°	155' To 252'	HL
14-07	84-85	1130	12'	G-52	CHRIS	100°	252' To 264'	HL
14-07	84-85	0905	69'	1154	K.O.	84°	264' To 333'	HL
14-07	84-85	0855	18'	G-281	K.C	84°	333' To 351'	HL
14-07	84-85	0840	99'	1154	K.O.	82°	351' To 450'	HL
14-07	85-84	1105	18'	1062	T.T.	100°	0' To 18'	HL
14-07	85-84	1435	16'	G-227	VANH	102°	18' To 30'	HL
14-07	85-84	1045	110'	1062	T.T.	102°	30' To 144'	HL
14-07	85-84	1050	12'	G-52	CHRIS	89°	144' To 156'	HL
14-07	85-84	1005	99'	1062	T.T.	86°	156' To 255'	HL
14-07	85-84	1315	12'	G-52	CHRIS	102°	255' To 267'	HL
14-07	85-84	1020	79'	1154	K.O.	87°	267' To 346'	HL
14-07	85-84	1030	12'	G-281	K.C.	87°	346' To 358'	HL
14-07	85-84	1000	99'	1154	K.O.	89°	358' To 457'	HL
14-07	86-88	1300	17'	1062	T.T.	102°	0' To 17'	HL
14-07	86-88	1500	12'	G-227	VANH	102°	17' To 29'	HL
14-07	86-88	1320	112'	1062	T.T.	102°	29' To 141'	HL
		TOTAL (1)	1158'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1158' (ft) ACCUMULATED 18035 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Geo Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
14-07	86-88	1555	12'	G-52	CHRIS	102°	141' To 153'	HL
14-07	86-88	1320	101'	1154	KO	102°	153' To 254'	HL
14-07	86-88	1615	12'	G-52	CHRIS	102°	254' To 266'	HL
14-07	86-88	1300	54'	1154	KO	102°	266' To 320'	HL
14-07	86-87	1130	36'	1154	KO	100°	~~320'~~ 312' To 356' HL	HL
14-07	87-88	1140	30'	1154	KO	100°	~~320~~ 312' To ~~350~~ 325' HL	HL
06-07	30-31	1635	76'	1154	KO	87°	364' To 440'	HL
—	—	—	—	—	—	—	—	HL
17-07	88-90	1110	3'	1062	T.T.	81°	0' To 3'	HL
17-07	88-89	1105	15'	1062	T.T.	81°	3' To 18'	HL
17-07	88-89	1050	12'	G-227	VANH	78°	18' To 30'	HL
17-07	88-89	1040	109'	1062	TT	78°	30' To 139'	HL
17-07	88-89	1100	12'	G-52	CHRIS	81°	139' To 151'	HL
17-07	88-89	1050	104'	1154	K.O.	81°	151' To 255'	HL
17-07	88-89	1305	12'	G-281	KC	82°	255' To 247'	HL
17-07	88-89	1110	46'	1154	KO	81°	247' To 313'	H.L.
17-07	89-90	1130	22'	1062	T.T.	81°	Bw TT	H.L.
17-07	92-90	1340	3'	1062	TT	81°	0' To 3'	HL.
17-07	89-92	1345	16'	1062	T.T.	81°	3' To 19'	HL
17-07	89-92	1500	5'	G-227	VANH	82°	19' To 24'	HL
17-07	89-91	1510	7'	G-227	VANH	82°	24' To 31'	HL
17-07	89-91	1355	110'	1062	T.T.	82°	31' To 141'	HL
17-07	89-91	1345	12'	G-52	CHRIS	81°	141' To 153'	HL
17-07	89-91	1345	109'	1154	KO	81°	153' To 262'	HL
		TOTAL (1)	918'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 918' (ft) ACCUMULATED 18953 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

	DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
	17-07	89-91	1500	12'	G-52	CHRIS	82°	262' TO 274'	HL
	17-07	91-92	1430	22'	G-227	VANH	82°	BW TT	HL
	17-07	92-93	1540	19'	1062	T.T.	82°	0' TO 19'	HL
	17-07	92-93	1630	4'	G-227	VANH	82°	19' TO 25'	HL
	17-07	91-93	1615	6'	G-227	VANH	82°	25' TO 31'	HL
	17-07	91-93	1555	103'	1062	T.T.	82°	31' TO 134'	HL
	17-07	91-93	1600	15'	G-52	CHRIS	82°	134' TO 149'	HL
	17-07	91-93	1515	81'	1154	KO	82°	149' TO 230'	HL
	~~17-07~~	~~93-94~~	No Panel	19'	VOID	ENTRY		0' TO 19'	HL
	17-07	93-94	No Panel	12'	~~G~~ VOID	ENTRY	—	19' TO 31'	HL
	17-07	93-94	1700	106'	1062	TT	80°	31' TO 137'	HL
	26-07	93-94	PM	12'	G-~~135~~ 133	H.L. L.K.	85°	137' TO 149'	HL
	17-07	93-94	1700	41'	1154	KO	80°	149' TO 190'	HL
	—	—	—	—	—	—	—	—	HL
*	24-07	84-85	1340	11'	G-171	APRIL	94°	SEAM CUT OPEN & RESEAMED 344-357'	HL
*	24-07	84-85	1103	93'	1305	CHRIS	89°	357' TO 450'	HL
*	24-07	26A-Cap	1310	66'	1305	CHRIS	94°	380' TO 446'	HL
*	24-07	25-Cap	1359	66'	1305	CHRIS	94°	388' TO 446'	HL
	—	No	Further		Entries	—	This	Page	HL
			TOTAL (1)	690					

* NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 690' (ft) ACCUMULATED 1943' (ft)

Note: 84-85- CUT open and reseamed 26A-25- CUT open & reseamed

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Test.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
26-07	94-97	1138	66'	1205	T.T.	82°	30' To 96'	H.L.
26-07	97-98	1101	28'	1205	T.T.	82°	30' To 58'	H.L.
26-07	96-98	1051	37'	1205	T.T.	82°	10' To 47'	H.L.
26-07	96-97	1054	37'	1032	C.S.	82°	47' To 84'	H.L.
26-07	94-96	1039	41'	1032	C.S.	82°	96' To 137'	H.L.
26-07	94-96	A.M.	12'	G-133	L.K	82°	137' To 149'	H.L.
26-07	95-96	0920	90'	1113	T.T.	82°	0' To 90'	H.L.
26-07	95-96	1025	45'	1032	C.S.	82°	90' To 135'	H.L.
26-07	95-96	A.M.	11'	G-133	L.K.	82°	136' To 147'	H.L.
26-07	95-99	1329	22'	1032	C.S.	82°	0' To 22'	H.L.
26-07	99-100	1323	20'	1032	C.S.	82°	0' To 20'	H.L.
26-07	100-102	1401	44'	1113	T.T.	82°	0' To 44'	H.L.
26-07	100-101	1400	43'	1032	C.S.	82°	44' To 87'	H.L.
26-07	101-102	1354	22'	1032	C.S.	82°	Butt at 55'	H.L.
26-07	95-100	1339	65'	1032	C.S.	82°	22' To 87'	H.L.
26-07	95-101	1406	20'	1113	T.T.	82°	87' To 107'	H.L.
28-07	95-101	A.M.	12'	G-274	A.L.	82°	107' To 119'	H.L.
28-07	95-101	A.M.	28'	G-274	A.L.	82°	119' To 147'	H.L.
27-07	95-103	1425	59'	1032	CHRIS	85°	147' To 206'	H.L.
27-07	95-104	0900	19'	1032	CHRIS	85°	206' To 225'	H.L.
27-07	95-104	0910	12'	G-133	L.K.	85°	225' To 237'	H.L.
27-07	95-104	A.M.	21'	G-205	C.S.	85°	237' To 258'	H.L.
27-07	95-103	1500	42'	1032	CHRIS	85°	258' To 300'	H.L.
27-07	95-106	1520	50'	1032	CHRIS	85°	300' To 350'	H.L.
		TOTAL (1)	848'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 848' (ft) ACCUMULATED 20491 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
27-07	95-107	P.M.	12'	G-171	VANH	85°	350' To 362'	H.L.
27-07	95-107	P.M.	17'	G-171	VANH	85°	362' To 379'	H.L.
27-07	86-107	1515	25'	1032	C.S.	85°	379' To 404'	H.L.
27-07	86-109	1530	26'	1032	C.S.	85°	404' To 430'	H.L.
27-07	102-103	0809	55'	1032	C.S.	80°	0' To 55'	H.L.
27-07	101-103	0831	92'	1032	C.S.	80°	55' To 147'	H.L.
27-07	103-104	0842	100'	1113	T.T.	82°	0' To 100'	H.L.
27-07	103-104	A.M.	12'	G-274	A.L.	80°	101' To 112'	H.L.
27-07	103-104	0901	81'	1032	C.S.	82°	112' To 193'	H.L.
27-07	104-105	0927	102'	1113	T.T.	82°	0' To 102'	H.L.
27-07	104-105	P.M.	12'	G-274	A.L.	85°	102' To 114'	H.L.
27-07	104-105	0951	111'	1032	C.S.	85°	114' To 225'	H.L.
27-07	104-105	A.M.	12'	G-133	L.K.	82°	225' To 237'	H.L.
27-07	104-105	P.M.	3'	G-205	C.S.	85°	237' To 240'	H.L.
27-07	105-106	1039	105'	1113	T.T.	85°	0' To 105'	H.L.
27-07	105-106	P.M.	12'	G-274	AL	85°	105' To 117'	H.L.
27-07	105-106	1051	104'	1032	C.S.	85°	117' To 221'	H.L.
27-07	105-106	P.M.	12'	G-205	C.S.	85°	221' To 233'	H.L.
27-07	105-106	1026	33'	1032	C.S.	85°	233' To 246'	H.L.
27-07	106-108	1404	52'	1113	T.T.	85°	0' To 53'	H.L.
27-07	106-107	1324	50'	1113	T.T.	85°	53' To 103'	H.L.
27-07	106-107	P.M.	12'	G-274	AL	85°	103' To 115'	H.L.
27-07	106-107	1341	106'	1113	TT	85°	115' To 221'	H.L.
27-07	106-107	1755	14'	G-205	K.O.	85°	221' To 235'	H.L.
		TOTAL (1)	1160'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1160' (ft) ACCUMULATED 21651 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Test.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
27-07	106-107	1313	44'	1032	C.S.	85°	235' To 279'	H.L.
27-07	107-108	1415	22'	1113	TT	85°	Bwtt at 53'	H.L.
27-07	108-109	1450	42'	1113	TT	85°	0' To 42'	H.L.
27-07	107-109	1446	46'	1113	TT	85°	42' To 108'	H.L.
27-07	107-109	1515	12	G-274	AL	85°	108' To 120'	H.L.
27-07	107-109	1445	120'	1032	CS	85°	120' To 224'	H.L.
27-07	107-109	PM	12'	G-205	K.O.	85°	224' To 236'	H.L.
27-07	107-109	1505	67'	1032	C.S.	85°	236' To 303'	H.L.
28-07	107-109	0806	12'	G-205	C.S.	81°	303' To 315'	H.L.
27-07	107-109	1516	30'	1032	C.S.	85°	315' To 345'	H.L.
26-07	94-95	0915	25'	1032	C.S.	82°	149' To 174	H.L.
26-07	93-95	0917	27'	1032	C.S.	82°	174' To 207'	H.L.
26-07	91-95	0900	55'	1032	CS	82°	207' To 262'	H.L.
26-07	91-95	0920	12'	G-274	AL	82°	262' To 274'	H.L.
26-07	89-95	0945	27'	1032	CS	84°	274' To 301'	H.L.
26-07	88-95	1017	53'	1032	C.S.	85°	301' To 354'	H.L.
27-07	87-95	P.M.	3'	G-171	VANH	85°	354' To 357'	H.L.
27-07	87-95	P.M.	3'	G-171	VANH	85°	357' To 360'	H.L.
27-07	86-95	P.M.	11'	G-171	VANH	85°	356' To 367'	H.L.
—	No	Further	-	Entries	-	This	Page	H.L.
								H.L.
								H.L.
								H.L.
								H.L.
	TOTAL (1)		643'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 643' (ft) ACCUMULATED 32294 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

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

DESCRIPTION: CONSTRUCTION OF LANDFILL CLOSURE DATE: 28 day 07 month 1995 year

LOCATION: ALL Seams Ext. Welded on THIS Page

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 Mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F / °C)	LOCATION COMMENTS	QA ID
28-07	23-24	1725	7'	G-274	A.L.	84°	446' To 453'	H.L.
28-07	24-25	1711	10'	G-274	A.L.	84°	440' To 450'	H.L.
28-07	25-Cap	P.M.	16'	G-274	AL	84°	452' To 468'	H.L.
28-07	114-Cap	P.M.	16'	G-274	AL	84°	452' To 468'	H.L.
28-07	114-24A	P.M.	22'	G-274	A.L.	84°	Bwtt AT 453'	H.L.
28-07	114-27	P.M.	14'	G-274	AL	84°	452' To 466'	H.L.
28-07	27-28	P.M.	16'	G-274	AL	84°	447' To 463'	H.L.
28-07	28-29	P.M.	24'	G-274	AL	84°	450' To 474'	H.L.
28-07	29-83	1535	26'	G-205	CHRIS	84°	446' To 472'	H.L.
28-07	83-110	1600	22'	G-205	CHRIS	84°	Bwtt at 452'	H.L.
28-07	110-111	1547	29'	G-205	CHRIS	84°	447' To 476'	H.L.
28-07	84-111	1555	22'	G-205	CHRIS	84°	Bwtt AT 447'	H.L.
28-07	84-85	1600	5'	G-205	CHRIS	84°	446' To 451'	H.L.
28-07	111-85	1602	3'	G-205	CHRIS	84°	451' To 454'	H.L.
28-07	85-112	1606	22'	G-205	CHRIS	84°	Bwtt AT 454'	H.L.
28-07	111-112	1610	24'	G-205	CHRIS	84°	454' To 478'	HL
28-07	86-113	1632	22'	G-205	CHRIS	84°	Bwtt AT 452'	HL
28-07	112-113	1615	27'	G-205	CHRIS	84°	450' To 477'	HL
—	No	Further	-	Entries	This	—	Page	HL
		TOTAL (1)	327'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 327' (ft) ACCUMULATED 22621 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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 1985 year

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) °C	LOCATION COMMENTS	QA ID
29-07	109/115	08:14	61	1032	CS	78	SECT. 18 237-298	KFD
	109/115	08:24	107	1113	TT	78	0-107	KFD
	109/115	08:27	52	1032	CS	78	310-362	KFD
	86/115	08:38	25	1032	CS	78	DIAGONAL BUTT JOINT	KFD
	115/116	08:48	65	1032	CS	78	303-368	KFD
	109/115	08:50	106	1113	TT	78	119-225	KFD
	113/116	08:58	25	1113	TT	78	DIAGONAL BUTT JOINT	KFD
	109/115	08:58	12	G171	VS	78	225-237	KFD
	109/115	09:04	12	G133	KO	78	298-310	KFD
	115/116	09:07	58	1032	CS	80	233-291	KFD
	115/116	09:19	96	1113	TT	80	115-221	KFD
	115/116	10:13	103	1113	TT	80	0-103	KFD
	109/115	10:20	12	G274	AL	80	107-119	KFD
	116/117	10:21	59	1032	CS	80	232-291	KFD
	115/116	10:26	12	G133	KO	80	291-303	KFD
	116/117	10:40	77	1032	CS	80	303-380	KFD
	115/116	10:41	12	G171	VS	80	221-233	KFD
	116/117	10:58	100	1113	CS	80	0-100	KFD
	116/117	11:12	12	G171	VS	80	220-232	KFD
	116/117	11:20	108	1113	TT	82	112-220	KFD
	116/117	11:34	12	G133	KO	82	291-303	KFD
	115/116	12:34	12	G274	AL	85	103-115	KFD
	117/118	13:14	61	1032	CS	85	237-297	KFD
29-07	117/118	13:27	61	1032	CS	85	SECT. 18 369-370	KFD
		TOTAL (1)	1260					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1260 (ft) ACCUMULATED 23381 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 Mil VLOPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
29-07	117/118	13:49	100	1113	TT	85	SECT. 18 0-100	KFD
	116/117	13:15	12	G274	AL	85	100-112	KFD
	117/118	13:52	12	G171	VS	85	225-237	KFD
	117/118	14:06	12	G133	KO	85	297-309	KFD
	117/118	14:11	111	1113	TT	85	114-225	KFD
29-07	117/118	14:31	12	G274	AL	85	SECT. 18 102-114	KFD
NO FURTHER ENTRIES THIS PAGE								HC
		TOTAL (1)	259					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 259 (ft) ACCUMULATED 24140 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 Mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) / (°C)	LOCATION COMMENTS	QA ID
27-07	89-91	1400	87'	W-1113	T.T.	90°	CUT-OUT & Rescamed 52' To 139'	H.L.
31-07	118-119	1039	105'	1113	T.T	80°	0' To 105'	HL
31-07	118-119	1052	12'	G-133	KO	80°	105' To 117'	HL
31-07	118-119	1030	119'	1032	C.S.	80°	117' To 236'	HL
31-07	118-119	1044	18'	G-171	V.S.	80°	236' To 244'	HL
31-07	118-119	1054	61'	1032	CS	80°	244' To 305'	HL
31-07	118-119	1052	12'	G-133	KO	80°	305' To 317'	HL
31-07	118-119	1110	53'	1032	CS	80°	317' To 370'	HL
31-07	120-123	1419	46'	1113	TT	90°	0' To 46'	HL
31-07	120-121	1425	66'	1113	TT	85°	46' To 112'	HL
31-07	120-121	1531	12'	G-274	V.S.	86°	112' To 124'	HL
31-07	120-121	1424	114'	1032	CS	85°	124' To 238'	HL
31-07	120-121	1530	12'	G-205	AL	86°	238' To 250'	HL
31-07	120-121	1442	68'	1032	CS	85°	250' To 318'	HL
31-07	123-121	1606	25'	1113	T.T.	90°	BUTT AT 46'	HL
31-07	123-122	1612	24'	1113	T.T.	90°	0' To 24'	HL
31-07	121-122	1637	83'	1113	TT	90°	24' To 109'	HL
31-07	121-122	1654	12'	G-171	V.S.	90°	109' To 121'	HL
31-07	121-122	1649	87'	1032	CS.	90°	121' To 208'	HL
31-07	121-122	P.M.	12'	G-171	VANH	90'	208' To 220'	HL
31-07	121-122	1608	85'	1032	C.S.	90°	220' To 305'	HL
31-07	122-124	1721	25'	1113	TT	90°	0' To 25'	HL
01-08	122-124	PM	6'	G-274	KC	90°	25' To 31'	HL
01-08	122-125	PM	6'	G-274	KC	90°	31' To 37'	HL
		TOTAL (1)	1152					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED 25292 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 Mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) °C)	LOCATION COMMENTS	QA ID
31-07	122-125	1722	113'	1032	CS	90°	37' To 150'	HL
01-08	122-125	A.M.	12'	G-171	JANH	71°	150' To 162'	H.L.
31-07	122-125	1715	91'	1032	CS	90°	162' To 253'	H.L.
01-08	124-125	P.M.	22'	G-274	KC	90	BWTI AT 31'	H.L.
31-07	125-126	1755	85'	1113	T.T.	90°	0' To 85'	H.L.
01-08	125-126	0930	12'	G-205	A.L.	80°	85' To 97'	H.L.
31-07	125-126	1744	103'	1032	C.S.	90°	97' To 200'	H.L.
01-08	126-127	1005	38'	1032	C.S.	80°	0' To 38'	H.L.
01-08	126-127	PM	12'	G-205	A L	92°	38' To 50'	H.L.
01-08	126-127	0950	112'	1032	C.S.	80°	50' To 162'	H.L.
01-08	127-128	0850	58'	1032	CS	78°	0' To 58'	H.L.
01-08	127-128	AM	12'	G-133	K.O.	75°	58' To 70'	H.L.
01-08	127-128	1015	45'	1032	C.S.	80°	70' To 115'	H.L.
01-08	128-129	A.M	10'	G-133	K O	75°	0' To 10'	H.L.
01-08	128-129	AM	12'	G-133	KO	75°	10' To 22'	H.L.
01-08	128-130	1035 PM	15'	G-133	K O	80°	22' To 37' END	H.L.
01-08	129-130	P.M	15'	G-133	K O	90°	0' To 15'	H.L.
31-07	122-119	1612	29'	1113	TT	90°	CROSSCOMB 0' To 29'	H.L.
31-07	122-119	1706	56'	1113	TT	90°	29' To 85'	H.L.
31-07	124-119	1725	26'	1113	TT	90°	85' To 111'	H.L.
01-08	124-119	P.M	6'	G-274	KO	90°	111' To 117'	H.L.
01-08	123-119	P.M	4'	G-274	KO	90°	117' To 123'	H.L.
31-07	125-119	1737	27'	1113	TT	90°	123' To 150'	H.L.
31-07	126-119	1741	50'	1113	TT	90°	150' To 200'	H.L.
		TOTAL (1)	967'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED 2259 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap TCVT.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
01-08	127-119	1120	39'	1032	CS	90°	200' To 239'	H.L.
01-08	127-119	P.M	12'	G-205	AL	92°	239' To 251'	H.L.
01-08	127-119	P.M	8'	G 205	AL	92°	251' To 259'	H.L.
01-08	128-119	0940	47'	1032	CS	80°	259' To 306'	H.L.
01-08	129-119	1100	11'	G-133	KO	80°	306' To 317'	H.L.
01-08	129-119	1120	12'	G-133	KO	80°	317' To 329'	H.L.
01-08	129-119	1045	46'	1032	CS	80°	329' To 375'	H.L.
01-08	128-130	1035	20	1032	CS	85°	22' To 42'	H.L.
01-08	120-131	1335	115'	1032	CS	92°	0' To 115'	H.L.
01-08	120-131	1706	12'	G-205	AL	92°	115' To 127'	H.L.
01-08	120-131	1449	115'	1074	CS	92°	127' To 242'	H.L.
01-08	120-131	1704	12'	G-171	S.H	92°	242' To 254'	H.L.
01-08	120-131	1525	66'	1074	CS	92°	254' To 320'	H.L.
01-08	103-Cap	1019	38'	1305	T.T.	92°	4' To 42' Recommend HL.	HL
01-08	104-Cap	1027	38'	1305	T.T.	92°	4' To 42' Recommend HL WASH-OUT - See Below	HL
* 01-08	94-CAP	1434	25'	1113	TT	92°	40' To 65'	HL
* 01-08	94-CAP	1245	50'	1113	TT	92°	65' To 115'	HL
* 01-08	97-CAP	1400	30'	1113	TT	92°	35' To 65'	HL
* 01-08	97-CAT	1300	50'	1113	TT	92°	65' To 115'	HL
—	No	Further	—	Entries	—	—	—	HL.
		TOTAL (1)	746'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED 21005 (ft)

* 94-CAP - WASH-OUT - CWT OUT - Recommend CAP

* 97-CAP - WASH-OUT - CWT OUT - Recommend Cap

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) / °C)	LOCATION COMMENTS	QA ID
02-08	131-132	0815	114'	1113	T.T.	78°	2' To 116'	HL
03-08	131-132	A.M.	12'	G-133	KO	78°	116' To 128'	HL
02-08	131-132	0945	118'	1113	TT	80°	128' To 246'	HL
02-08	131-132	AM	12'	G-205	AL.	78°	246' To 258'	HL
02-08	131-132	0830	59'	1305	C.S.	78°	258' To 317'	HL
02-08	138-137	P.M.	10'	G-133	Lay	96°	0' To 10'	HL
02-08	138-137	P.M.	10'	G-133	Lay	90°	10' To 22'	HL
02-08	138-137	1420	51'	1032	CS.	92°	22' To 73'	HL
02-08	137-136	1015	67'	1113	TT	82°	0' To 67'	HL
03-08	137-136	0830	12'	G-205	AL.	78°	67' To 79'	HL
02-08	137-136	1330	46'	1113	TT.	88°	79' To 125'	HL
02-08	136-133	1350	114'	1113	TT	89°	0' To 114'	HL
02-08	136-133	PM	12'	G-205	A.L.	88°	114' To 128'	HL
02-08	136-133	1150	44'	1113	TT	86°	128' To 178'	HL
03-08	133-139	0903	53'	1113	TT	79°	0' To 53'	HL
03-08	133-139	1345	12'	G-171	S.H.	88°	53' To 65'	HL
03-08	133-139	0900	115'	1032	C.S.	79°	65' To 180'	HL
03-08	133-139	A.M	12'	G-205	AL	79°	180' To 192'	HL
03-08	133-139	1000	46'	1032	C.S.	81°	192' To 238'	HL
03-08	139-140	1010	95'	1113	TT	81°	0' To 95'	HL
03-08	139-140	P.M	12'	G-205	AL	87°	95' To 107'	HL
03-08	139-140	0950	112'	1032	CS	80°	107' To 219'	HL
03-08	139-140	AM	12'	G-205	AL	79°	219' To 231'	HL
03-08	139-140	1015	44'	1032	C.S.	81°	231' To 275'	HL
		TOTAL (1)	1196'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED 28201 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
03-08	140-141	1025	125'	1113	TT	81°	0' To 125'	HL
03-08	140-141	P.M.	12'	G-274	KC	84°	125' To 137'	HL
03-08	140-141	1045	109'	1032	CS	85°	137' To 246'	HL
03-08	140-141	1420	12'	G-205	AL	92°	246' To 258'	HL
03-08	140-141	1030	36'	1032	C.S.	81°	258' To 294'	HL
03-08	141-142	1125	129'	1113	TT	85°	0' To 129'	HL
03-08	141-142	P.M.	12'	G-274	KC	92°	129' To 141'	HL
03-08	141-142	1130	108'	1032	CS	85°	141' To 249'	HL
03-08	141-142	P.M	12'	G-205	AL	85°	249' To 261'	HL
03-08	141-142	1150	33'	1032	CS	86°	261' To 294'	HL
03-08	132-140	1000	28'	1113	TT	80°	0' To 28'	HL
03-08	132-139	0853	49'	1113	TT	80°	28' To 77'	HL
02-08	132-138	0955	48'	1113	TT	80°	77' To 125'	HL
03-08	132-133	PM	12'	G-205	AL	87°	125' To 137'	HL
04-08	132-133	AM	7'	G-205	AL	80°	137' To 144'	HL
02-08	132-136	1330	52'	1113	TT	88°	144' To 196'	HL
03-08	132-137	1000	52'	1113	TT	80°	196' To 254'	HL
03-08	132-138	A.M.	5'	G-133	KL	80°	254' To 259'	HL
02-08	132-138	A.M.	12'	G-133	KL	80°	259' To 271'	HL
02-08	132-138	1400	50'	1032	CS	80°	271' To 321'	HL
03-08	142-143	1525	131	1113	TT	90°	0' To 131'	HL
04-08	142-143	AM	12'	G-274	KC	78°	131' To 143'	HL
03-08	142-143	1545	106'	1032	CS	90°	143' To 249'	HL
04-08	142-143	P.M	12'	G-205	AL	90°	249' To 261'	HL
		TOTAL (1)	1164'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED 29365 (ft)

GeoSyntec Consultants

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Tex I

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
03-08	142-143	1505	33'	1032	CS.	94°	261' To 294'	HL.
04-08	143-147	0810	131'	1113	TT	78°	0' To 131'	HL
04-08	143-147	Am	12'	G-274	KC	78°	131' To 143'	HL
04-08	143-147	0825	107'	1032	CS	78°	143' To 250'	HL
04-08	143-147	Am	12'	G-205	AL	78°	250' To 262'	HL
04-08	143-147	0800	24'	1032	C.S.	78°	262' To 286'	HL
04-08	147-148	0845	125'	1113	TT	81°	4' To 129'	HL
04-08	147-148	Am	12'	G-274	KC	78	129' To 141'	HL
04-08	147-148	0840	109'	1032	CS	81°	141' To 250'	HL
04-08	147-148	A.M	12'	G-205	AL	78°	250' To 262'	HL
04-08	147-148	0830	24'	1205	KO	81°	262' To 286'	HL
04-08	148-149	1000	123'	1113	TT	86°	4' To 127'	HL
04-08	148-149	Am	12'	G-274	KC	79°	127' To 139'	HL
04-08	148-149	0930	114'	1032	CS	86°	139' To 253'	HL
04-08	148-149	Am	12'	G-205	AL	81°	253' To 265'	HL
04-08	148-149	0950	19'	1205	KO	86°	265' To 284'	HL
04-08	149-150	1100	136'	~~1113~~ 1113	TT	90°	0' To 136'	HL
04-08	149-150	P.m	12'	G-274	KC	94°	136' To 148'	HL
04-08	149-150	1030	105'	1032	CS	86°	148' To 253'	HL
04-08	149-150	P.m	12'	G-205	AL	94°	253' To 265'	HL
04-08	149-150	1013	20'	1205	KO	86°	265' To 285'	HL
04-08	150-151	1400	141'	1113	TT	94°	0' To 141'	HL
04-08	150-151	P.M	12'	G-274	KC	94°	141' To 153'	HL
04-08	150-151	AM	10'	G-274	KC	94°	153' To 163'	HL
		TOTAL (1)	1329					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1329 (ft) ACCUMULATED 30694 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap TEXT.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
04-08	150-152	1340	91'	1205	KO	94°	163' To 254'	HL
04-08	150-152	P.M	12'	G-133	KL	94°	254' To 266'	HL
04-08	150-152	1305	21'	1205	KO	94°	266' To 287'	HL
04-08	152-151	1300	91'	1032	CS	94°	0' To 91'	HL
04-08	152-151	P.M	12'	G-133	KL	94°	91' To 103'	HL
07-08	152-151	AM	24'	G-274	KC	70°	103' To 127'	HL
04-08	151-153	1445	134'	1032	CS	94°	0' To 134'	HL
04-08	151-153	P.M	12'	G-274	KC	94°	134' To 148'	HL
04-08	151-153	1330	96'	1032	CS	94°	148' To 244'	HL
04-08	151-153	PM	12'	G-205	VANH	94	244' To 256'	HL
04-08	151-153	1400	24'	1205	KO	94°	256' To 280'	HL
08-08	153-154	0920	139'	1113	TT	68°	0' To 139'	HL
08-08	153-154	1030	12'	G-133	KC	68°	139' To 151'	HL
08-08	153-154	0905	94'	1305	CHRIS	68°	151' To 245'	HL
08-08	153-154	0900	12'	G-205	AL	68°	245' To 257'	HL
08-08	153-154	0905	30'	1205	KO	68°	257 To 287'	HL
03-08	144-94	1020	34'	G-274	KC	81°	0' To 34'	HL
03-08	144-94	10 23	14'	G-274	KC	81°	BwTT 14'-0'	HL
03-08	144-97	10.35	4'	G-274	KC	81°	0' To 4' BwTT	HL
03-08	145-97	10.42	18'	G-274	KC	81°	0' To 18' BwTT	HL
03-08	145-98	1102	2'	G-274	KC	84°	0' To 2'	HL
03-08	146-98	1252	22'	G-274	KC	89°	0' To 22'	HL
03-08	146-98	1438	22'	G-274	KC	92°	0' To 22'	HL
—	—	—	—	—	—	—	—	HL
		TOTAL (1)	932'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 932' (ft) ACCUMULATED 3162 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLOPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F / °C)	LOCATION COMMENTS	QA ID
03-08	140-135	AM	10'	G-274	KC	78°	0' To 10'	HL
30-08	132-135	AM	22'	G-274	KC	78°	Butt at 10'	HL
03-08	134-135	AM	2'	G-274	KC	78°	0' To 2'	HL
03-08	134-131	AM	22'	G-274	KC	78°	Butt at 3'	HL
03-08	134-120	AM	3'	G-274	KC	78°	0' To 3'	HL
08-08	154-155	1020	131'	1113	TT	70°	0' To 131'	HL
08-08	154-155	1120	12'	G-133	KC	72°	131' To 143'	HL
08-08	154-155	1015	105'	1305	CHRIS	70°	143' To 248'	HL
08-08	154-155	1035	12'	G-205	A.L.	70°	248' To 260'	HL
08-08	154-155	0955	33'	1205	KO	70°	260' To 293'	HL
08-08	155-156	1115	130'	1113	TT	70°	0' To 130'	HL
08-08	155-156	1315	12'	G-133	KC	72°	130' To 142'	HL
08-08	155-156	1125	101'	1205	KO	70°	142' To 243'	HL
08-08	155-156	1315	12'	G-205	AL	72°	243' To 255'	HL
08-08	155-156	1100	20'	1205	KO	70°	255' To 275'	HL
08-08	155-156	1050	20'	1305	CHRIS	70°	275' To 295'	HL
08-08	156-157	1300	140'	1113	TT	78°	0' To 140'	HL
08-08	156-157	1310	12'	G-133	KC	80°	140' To 152'	HL
08-08	156-157	1300	93'	1205	KO	78°	152' To 245'	HL
08-08	156-157	1350	12'	G-205	AL	80°	245' To 257'	HL
08-08	156-157	1135	41'	1205	KO	72°	257' To 298'	HL
08-08	157-158	1340	143'	1113	TT	80°	0' To 143'	HL
08-08	157-158	1500	12'	G-171	KEO	80°	143' To 156'	HL
08-08	157-158	1330	84'	1205	KO	80°	156' To 240'	HL
		TOTAL (1)	1184'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1184' (ft) ACCUMULATED 32810 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) °C)	LOCATION COMMENTS	QA ID
08-08	157-158	1320	12'	G-205	AL	80°	240' To 252'	HL
08-08	157-158	1345	48'	1205	KO	80°	252' To 300'	HL
08-08	158-159	1500	135'	1113	TT	80°	0' To 135'	HL
08-08	158-159	1530	8'	G-171	KEO	84°	148 To 156'	HL
08-08	158-159	1500	84'	1205	KO	84°	154' To 240'	HL
08-08	158-159	1540	12'	G-205	AL	84°	240' To 252'	HL
08-08	158-159	1442	48'	1205	KO	82°	252' To 300'	HL
08-08	158-159	1525	13'	1205	KO	84°	135 To 148'	HL
08-08	159-160	1535	119'	1113	TT	84°	0' To 119'	HL
08-08	159-160	1615	12'	G-171	KEO	84°	119' To 131'	HL
08-08	159-160	1550	109'	1205	KO	84°	131' To 240'	HL
08-08	159-160	1610	12'	G-205	AL	84°	240' To 252'	HL
08-08	159-160	1605	48'	1205	KO	84°	252' To 300'	HL
08-08	160-161	1655	121'	1113	TT	82°	0' To 121'	HL
08-08	160-161	1715	12'	G-171	KEO	82°	121' To 133'	HL
08-08	160-161	1650	104'	1205	KO	82°	133' To 239'	HL
08-08	160-161	1720	12'	G-205	AL	82°	239' To 251'	HL
08-08	160-161	1640	54'	1205	KO	82°	251' To 305'	HL
08-08	161-162	1735	121'	11 13	TT	82°	0' To 121'	HL
09-08	161-162	A.M.	12'	G-171	KO (SHE'S)	64°	121' To 133'	HL
08-08	161-162	1730	104'	1205	KO	82°	133' To 237'	HL
09-08	161-162	A.M.	12'	G-171	KO (SHE'S)	64°	237' To 249'	HL
08-08	161-162	1745	56'	1205	KO	82°	249' To 305'	HL
—	—	—	—	—	—	—	To —	HL
	TOTAL (1)		1271'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1271' (1) ACCUMULATED 34081 (1)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F)/°C)	LOCATION COMMENTS	QA ID
07-08	148-SKIRT	A.M	22'	G-133	K.O.	70°	BuTT	HL
07-08	149-SKIRT	AM	4'	G-133	K.O.	70°	0' To 4'	HL
07-08	147-SKIRT	AM	2'	G-133	K.O.	70°	0' To 2'	HL
09-08	161-SKIRT	0850	4'	1113	TT	66°	0' To 4'	HL
09-08	160-SKIRT	0840	18'	1113	TT	66°	0' To 18' BuTT	HL
09-08	160-SKIRT	AM	4'	G274	KC	66°	18' To 22' BuTT	HL
09-08	SKIRT-SKIRT	AM	7'	G274	KC	66°	0' To 7'	HL
09-08	159-SKIRT	AM	7'	G274	KC	66°	0' To 7'	HL
10-08	162-163	0840	119'	1113	TT	71°	0' To 119'	HL
10-08	162-163	1000	12'	G-3	KC	71°	119' To 131'	HL
10-08	162-163	0905	103'	1205	KO	71°	131' To 234'	HL
10-08	162-163	0900	12'	G-205	VANH	71°	234' To 246'	HL
10-08	162-163	0845	59'	1205	KO	71°	246' To 305'	HL
10-08	163-164	1120	100'	1113	TT	80°	0' To 100'	HL
10-08	163-164	1100	30'	G-3	KC	80°	100' To 130'	HL
10-08	163-164	1110	100'	1205	KO	80°	130' To 230'	HL
10-08	163-164	1100	12'	G-205	VANH	80°	230' To 242'	HL
10-08	163-164	1030	58'	1205	KO	80°	242' To 300'	HL
10-08	164-165	1400	100'	1305	TT	80°	0' To 100'	HL
10-08	164-165	1400	30'	G-3	KC	80°	100' To 130'	HL
10-08	164-165	1355	99'	1205	KO	80°	130' To 229'	HL
10-08	164-165	1340	12'	G-205	VANH	80°	229' To 244'	HL
10-08	164-165	1320	51'	1205	KO	80°	244' To 295'	HL
10-08	165-166	1520	128'	1205	KO	87°	0' To 128'	HL
		TOTAL (1)	1090					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1090 (ft) ACCUMULATED 3517 (ft)

GEOSYNTEC CONSULTANTS — TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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
LOCATION:
PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Comp Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) °C)	LOCATION COMMENTS	QA ID
10-08	165-166	1645	14'	G-3	KC	85°	128 To 142'	HL
10-08	166-167	1630	125'	1113	TT	85°	0' To 125'	HL
10-08	166-167	1700	14'	G-3	KC	85°	125' To 139'	HL
10-08	167-165	1625	101'	1205	KO	85°	139' To 240'	HL
10-08	167-165	1650	12'	G-205	VANH	85°	240' To 252'	HL
10-08	167-165	1645	48'	1205	KO	85°	252' To 300'	HL
10-08	167-168	1735	124'	1113	T.T.	84°	0' To 124'	HL
10-08	167-168	1800	12'	G-3	K.C.	84°	124' To 136'	HL
10-08	167-168	1740	100'	1205	K.O.	84°	136' To 236'	HL
10-08	167-168	1745	12'	G-205	VANH	84°	236' To 248'	HL
10-08	167-168	1715	47'	1205	KO	84°	248' To 295'	HL
11-08	168-169	1015	125'	295	TT	80°	0' To 125'	HL
11-08	168-169	1025	12'	G-205	VANH	80°	125' To 137'	HL
11-08	168-169	1018	105'	1205	KO	80°	137' To 242'	HL
11-08	168-169	1130	12'	G-205	VANH	80°	242' To 254'	HL
11-08	168-169	1005	41'	1205	KO	80°	254' To 295'	HL
11-08	169-170	1102	122'	295	TT	83°	0' To 122'	HL
11-08	169-170	1100	12'	G-205	VANH	83°	122' To 134'	HL
11-08	169-170	1055	110'	1205	KO	83°	134' To 244'	HL
11-08	169-170	1320	12'	G-205	VANH	85°	244' To 256'	HL
11-08	169-170	1115	31'	1205	KO	83°	256' To 287'	HL
11-08	170-171	1340	122'	295	T.T	85	0' To 122'	HL
11-08	170-171	1445	12'	G-205	VANH	85	122' To 134'	HL
11-08	170-171	1335	113'	1205	KO	85	134' To 247'	HL
		TOTAL (1)	1438					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1438 (ft) ACCUMULATED 34609 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

PROJECT: HUNTINGTON / EAST NORTHPORT LANDFILL

LOCATION: SUFFOLK COUNTY, NEW YORK PROJECT NO: GO3700 TASK NO.: 01

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
11-08	170-171	1400	12'	G-205	VANH	85°	247' To 259'	HL
11-08	170-171	1355	29'	1205	KO	85°	259' To 288'	HL
11-08	171-172	1535	123'	295	TT	82°	0' To 123'	HL
11-08	171-172	P.M.	12'	G-205	VANH	82°	123' To 135'	HL
11-08	171-172	1545	120'	1205	KO	82°	135' To 255'	HL
11-08	171-172	P.M	12'	G-205	VANH	82°	255' To 267'	HL
11-08	171-172	1410	23'	1205	KO	82°	267' To 290'	HL
14-08	172-173	0840	125'	295	TT	78°	0' To 125'	HL
14-08	172-173	0900	12'	G-205	CHRIS	78°	125' To 137'	HL
14-08	172-173	0840	138'	1205	KO	78°	137' To 275'	HL
11-08	165-SKIRT	AM	5'	G-3	K.C.	83°	0' To 5'	HL
11-08	166-SKIRT	AM	22'	G-3	K.C.	83°	Butt 0' To 22'	HL
11-08	167-SKIRT	AM.	5'	G-3	K.C.	83°	0' To 5'	HL
14-08	173-174	1000	126'	295	T.T.	82°	0' To 126'	HL
14-08	173-174	1030	12'	G-205	CHRIS	82°	126' To 138'	HL
14-08	173-174	0950	120'	1205	KO	82°	138' To 258'	HL
14-08	174-175	1045	128'	295	T.T.	86°	0' To 128'	HL
14-08	174-175	1050	12'	G-205	CHRIS	86°	128' To 140'	HL
14-08	174-175	1035	110'	1205	KO	86°	140' To 250'	HL
14-08	175-176	1115	129'	295	TT	84°	0' To 129'	HL
14-08	175-176	1250	12'	G-205	CHRIS	86°	129' To 141'	HL
14-08	175-176	1107	99'	1205	KO	86°	141' To 240'	HL
14-08	176-177	1245	130'	295	TT	90°	0' To 130'	HL
14-08	176-177	1320	12'	G-205	CHRIS	90°	130' To 142'	HL
		TOTAL (1)	1528'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1528 (ft) ACCUMULATED 38137 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Comp Textr

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) °C)	LOCATION COMMENTS	QA ID
14-08	176-177	1140	90'	1205	KO	90°	142' To 232'	HL
14-08	177-178	1323	132'	295	T.T.	91°	0' To 132'	HL
14-08	177-178	1435	12'	G205	CHRIS	91°	132' To 144'	HL
14-08	177-178	1337	81'	1205	K.O.	91°	144' To 225'	HL
14-08	178-179	1455	132'	295	TT	91°	0' To 132'	HL
14-08	178-179	1515	12'	G-205	CHRIS	91°	132' To 144'	HL
14-08	178-179	1450	75'	1205	K.O.	91°	144' To 215'	HL
14-08	179-180	1637	133'	295	T.T.	83°	0' To 133'	HL
14-08	179-180	1635	12'	G-205	CHRIS	83°	133' To 145'	HL
14-08	179-180	1630	63'	1205	K.O.	83°	145' To 208'	HL
14-08	180-181	1718	137'	295	T.T.	81°	0' To 137'	HL
14-08	180-181	1715	12'	G-205	CHRIS	81°	137' To 149'	HL
14-08	180-181	1702	49'	1205	K.O.	81°	149' To 198'	HL
15-08	181-182	1013	150'	1205	K.O	85°	0' To 150'	HL
15-08	181-PATCH	1040	33'	G 205	C.S.	85°	150' To 188'	HL
15-08	182-PATCH	1100	33'	G-205	C.S.	85°	150' To 188'	HL
15-08	182-183	1053	178'	1205	KO	85°	0' To 178'	HL
15-08	183-184	1125	163'	1205	KO	85°	0' To 163'	HL
15-08	184-185	1330	154'	1205	KO	92°	0' To 154'	HL
15-08	185-189	1600	12'	G-171	B.S.	92°	0' To 12'	HL
15-08	185-186	1430	137'	1205	K.O.	92°	12' To 149'	HL
15-08	187-189	1615	12'	G-171	B.S.	92°	0' To 12'	HL
15-08	186-187	1400	126'	1205	KO	92°	12' To 138'	HL
15-08	186-189	1550	22'	1205	KO	91°	0' To 22' BUTT	HL
		TOTAL (1)	1960'					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 1960' (ft) ACCUMULATED 40097' (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40 mil VLDPE Cap Text.

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F) (°C)	LOCATION COMMENTS	QA ID
15-08	187-188	1455	130'	295	T.T.	91°	0' To 130'	HL

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: TOWN OF HUNTINGTON CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40MIL VLOPE GEOMEMBRANE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
09-08	26R-27	09:36	102	1113	TT	70°	160-262	KFD
09-08	26R-27	09:40	18	G198	VT	75°	262-280	KFD
09-08	25R-26R	09:46	98	1205	KO	75°	161-259	KFD
09-08	26R-27	09:51	6	G198	VT	75°	154-160	KFD
09-08	24R-25R	10:12	97	1113	TT	75°	161-258	KFD
09-08	25R-26	10:12	7	G198	VT	78°	154-161	KFD
09-08	25R-26R	10:23	12	G198	VT	78°	259-271	KFD
09-08	24R-25R	10:35	12	G198	VT	78°	258-270	KFD
09-08	23R-24R	10:38	98	1205	KO	78°	163-261	KFD
09-08	24R-25R	10:46	7	G198	VT	80°	154-161	KFD
09-08	26R-26R	10:46	22	1113	TT	80°	KFD 154 CHANNEL C	KFD
09-08	23R-24R	10:55	7	G198	VT	80°	156-163	KFD
09-08	22R-24R	11:05	96	1113	TT	80°	164-260	KFD
09-08	24-24R KFD	11:15	22	G198	VT	80°	156 CHANNEL C	KFD
09-08	23R-24R	11:15	12	G133	NT	80°	261-273	KFD
09-08	21-22R	11:18	98	1205	KO	80°	163-261	KFD
09-08	22R-23R	11:30	12	G133	NT	80°	260-272	KFD
09-08	25-25R	11:33	22	G198	VT	80°	156 CHANNEL C	KFD
09-08	22R-23R	12:39	22	G198	VT	80°	158 CHANNEL C	KFD
09-08	21-22R	12:39	185 KFD	G133	NT	82°	261 - 243 KFD 276	KFD
09-08	22-22R	12:50	22	G133	NT	82°	HORIZONTAL BUTT JOINT 276	KFD
09-08	22-22R	13:10	22	G198	VT	82°	158 CHANNEL C	KFD
09-08	23-23R	13:15	22	G133	NT	82°	HORIZONTAL BUTT JOINT 276	KFD
09-08	21-22R	13:22	6	G198	VT	82°	157-163	KFD
		TOTAL (1)	847					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 847 (ft) ACCUMULATED 847 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: TOWN OF HUNTINGTON CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40MIL VLDPE GEOMEMBRANE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
09-08	24-24R	13;31	22	G133	NT	82°	HORIZONTAL BUTT JOINT 278	KFD
09-08	23R-24R	13;33	5	G198	VT	85°	273-278	KFD
09-08	24R-25R	13;40	7	G198	VT	85°	271-278	KFD
09-08	25-25R	13;45	22	G133	NT	85°	HORIZONTAL BUTT JOINT 278	KFD
09-08	25R-26R	13;52	9	G198	VT	85°	271-280	KFD
09-08	26-26R	14;21	22	G133	NT	85°	HORIZONTAL BUTT JOINT 280	KFD
09-08	25R-26R	14;22	9	G198	VT	85°	271-280	KFD
09-08	26R-27	14;30	(KFD) 86	G198	VT	85°	274-280	KFD
		TOTAL (1)	102					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 102 (ft) ACCUMULATED 949 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: TOWN OF HUNTINGTON CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40MIL VLDPE GEOMEMBRANE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F / °C)	LOCATION COMMENTS	QA ID
09:08	CAP/27 (27)	14:28	96	1357	BS	85	161-257 S. SIDE OF CAP	KFD
09:08	28/CAP (25R)	14:59	96	1357	BS	85	161-257 N. SIDE OF CAP	KFD
09:08	CAP/26R (26R)	15:50	83	1357	BS	85	170-253 S. SIDE OF CAP	KFD
09:08	25R/CAP	16:12	83	1357	BS	85	170-253 N. SIDE OF CAP	KFD
		TOTAL (1)	358					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 358 ft. (ft) ACCUMULATED 358 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: TOWN OF HUNTINGTON CLOSURE

PRIMARY: ☐ SECONDARY: ☐ OTHER: ☒ PRODUCT TYPE: 40MIL VLDPE GEOMEMBRANE

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F / °C)	LOCATION COMMENTS	QA ID
10-08	(24R) CAP/25R (25R)	07:12	72	1357	BS	70	175-297 S. SIDE of CAP	KFD
10-08	24R/CAP	07:35	72	1357	BS	70	175-247 N. SIDE of CAP	KFD
10-08	(23R) CAP/24R	08:00	26	1357	BS	72	233-259 S. SIDE of CAP	KFD
10-08	23R/CAP (24R)	08:23	26	1357	BS	72	233-259 N. SIDE of CAP	KFD
		TOTAL (1)	196					

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE 196 (ft) ACCUMULATED 554 (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION:

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40mil textured

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
10/8	26R-27 CAP	10:40	27	1357	BS		161' to 188'	GD
10/8	26R-27 CAP	1300	74	1135	BS		188' to 262'	GD
10/8	26R-CAP	9:50	96	1357	BS		161' to 257'	GD
10/8	26RCAP-25RCAP	8:00	98'	1357	BS		156' to 254'	GD
10/8	25RCAP-26RCAP	8:57	98'	1357	BS		156' to 254'	GD
10/8	26R-27	9:35	5'	1357	BS		257' to 262'	GD
10/8	25R-26R	10:05	5'	1357	BS		254' to 259	GD
9/8	24R-25R	10:42	11'	1205	KO		161' to 172'	GD
9/8	25RCAP-24RCAP	11:32	76'	1205	KO		172' to 248'	GD
9/8	24R-25R	12:55	10'	1205	KO		248 to 258	GD
9/8	24RCAP-25RCAP	1321	76'	1205	KO		172' to 248'	GD
10/8	23R-24R	1425	75'	1357	BS		163' to 238'	GD
11/8	24RCAP-23RCAP	8:05	21'	G171	BS		238' to 259'	GD
11/8	23RCAP-24RCAP	8:30	21'	G171	BS		238' to 259'	GD
9/8	22R-23R	1505	96'	1205	KO		164' to 260'	GD
11/8	21-22R	9:30	13'	G171	BS		163' to 176'	GD
11/8	21-22R	8:05	85'	1357	BS		176' to 261	GD
11/8	26R-27R	8:10	Lo	G198	NT		154' to 160'	GD
11/8	25R-26R	8:30	Lo	G198	NT		155' to 161'	GD
11/8	24R-25R	8:52	Lo	G198	NT		155' to 161'	GD
11/8	23R-24R	9:15	Lo	G198	NT		157' to 163'	GD
11/8	22R-23R	9:34	Lo	G198	NT		158' to 164'	GD
11/8	21-22R	9:56	Lo	G198	NT		157' to 163'	GD
11/8	[illegible]	10:39	110'	G198	NT		Seam w/in channel C	GD
	TOTAL (1)							

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED _____ (ft)

GEOSYNTEC CONSULTANTS

TOWN OF HUNTINGTON

PRODUCTION SEAM LOG (WITH TEMPERATURE)

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

LOCATION: REPAIR AREA #1

PRIMARY: ☑ SECONDARY: ☐ OTHER: ☐ PRODUCT TYPE: 40 mil textured

DATE (day/mo)	SEAM NO.	TIME	APPROX LENGTH (ft)	MACHINE NO.	OPERATOR ID	TEMP (°F/°C)	LOCATION COMMENTS	QA ID
10/8	26R-27	10:58	12'	198	NT		Weild through Channel D	GD
10/8	25R-26R	11:16	12'	↓	↓		↓	GD
10/8	24R-25R	11:40	12'					GD
10/8	23R-24R	12:51	12'					GD
10/8	22R-23R	1311	12'					GD
10/8	21-22R	1333	12'					GD
11/8	26R-27	7:50	10'	1357	BS		Weild from Crest D to Cross Seam	GD
11/8	25R-26R	8:12	10'	↓	↓		↓	GD
11/8	24R-25R	8:26	10'					GD
11/8	23R-24R	8:43	10'					GD
11/8	22R-23R	9:07	10'					GD
11/8	21-22R	9:23	10'					GD
11/8	26R-26A	13.58	22'	G198	NT		Cross Seam West of Swale D	GD
11/8	25R-25	14.12	22'	↓	↓		↓	GD
11/8	24R-24	1429	22'					GD
11/8	23R-23	1443	22'					GD
11/8	22R-22	1505	22'					GD
11/8	26R-27, 26	12:40	6'	G171	BS		Crest to Center of Swale C	GD
11/8	25R-26R Swale	1310	6'	↓	↓		↓	GD
11/8	24R-25R Swale	1326	6'					GD
11/8	23R-24R Swale	1348	6'					GD
11/8	22R-23R Swale	1402	6'					GD
		TOTAL (1)						

NOTE: (1) APPROXIMATE LENGTH: THIS PAGE _____ (ft) ACCUMULATED _____ (ft)

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
8/21/95	1100	190-191	88	CS	G205	383'-391'	8'	19A - 19E	JJP
8/21/95	1116	190-191	88	CS	G205	410'-415'	10	19A - 19E	JJP
8/21/95	1120	190-191	88	KO	1305	201'-229'	28	19A - 19E	JJP
8/21/95	1130	190-191	88	VS	G171	313'-321'	8'	19A - 19E	JJP
8/21/95	1130	190-191	88	KO	1305	391'-410'	24'	19A - 19E	JJP
8/21/95	1135	190-191	88	TT	295	0'-93'	93'	19A - 19E	JJP
8/21/95	1145	190-191	88	VS	G171	191'-201'	10'	19A - 19E	JJP
8/21/95	1255	190-191	91	TT	295	102'-191'	89'	19A - 19E	JJP
8/21/95	1300	190-191	91	KO	1305	321'-383'	62'	19A - 19E	JJP
8/21/95	1330	190-191	91	AL	G133	93'-102'	9'	19A - 19E	JJP
8/21/95	1330	191-192	91	AL	G133	96'-104'	8'	19A - 19E	JJP
8/21/95	1343	191-192	93	CS	G205	387'-397'	10'	19A - 19E	JJP
8/21/95	1345	190-191	91	KO	1113	229'-313'	84'	19A - 19E	JJP
8/21/95	1440	191-192	93	KO	1113	203'-315'	112'	19A - 19E	JJP
8/21/95	1455	191-192	93	TT	295	104'-195'	91'	19A - 19E	JJP
8/21/95	1455	191-192	93	KO	1113	324'-387'	63'	19A - 19E	JJP
8/21/95	1500	191-192	93	VS	G171	195'-203'	8'	19A - 19E	JJP
8/21/95	1515	191-192	93	KO	1113	397'-420'	23'	19A - 19E	JJP
8/21/95	1540	191-192	93	TT	295	0'-96'	96'	19A - 19E	JJP
8/21/95	1615	192-193	91	TT	295	0'-91'	91'	19A - 19E	JJP
8/21/95	1615	192-193	91	KO	1113	387'-407'	20'	19A - 19E	JJP
8/21/95	1640	192-193	91	TT	295	100'-187'	87'	19A - 19E	JJP
8/21/95	1640	192-193	91	KO	1113	316'-377'	61'	19A - 19E	JJP
8/21/95	1645	192-193	91	VS	G171	187'-196'	9'	19A - 19E	JJP
8/21/95	1645	192-193	91	CS	G205	377'-387'	10'	19A - 19E	JJP
8/21/95	1700	192-193	91	AL	G113	91'-100'	9'	19A - 19E	JJP
8/21/95	1705	192-193	91	KO	1113	196'-307'	111'	19A - 19E	JJP
8/21/95	1715	191-192	91	CS	G205	315'-324'	9'	19A - 19E	JJP
8/21/95	1745	192-193	91	CS	G205	307'-316'	9'	19A - 19E	JJP
8/22/95	825	193-194	75	KO	1113	398'-418'	20'	19E - 20E	JJP
8/22/95	845	193-194	81	KO	1113	323'-388'	65'	19E - 20E	JJP
8/22/95	900	193-194	81	KO	1113	203'-313'	110'	19E - 20E	JJP
8/22/95	920	193-194	81	TT	295	0'-97'	97'	19E - 20E	JJP
8/22/95	935	193-194	81	AL	G133	97'-107'	10'	19E - 20E	JJP
8/22/95	953	193-194	82	VS	G171	192'-203'	11'	19E - 20E	JJP
8/22/95	1000	193-194	82	CS	G205	388'-398'	10'	19E - 20E	JJP
8/22/95	1005	193-194	82	TT	295	107'-192'	85'	19E - 20E	JJP
8/22/95	1020	193-194	82	CS	G205	313'-323'	10'	19E - 20E	JJP
8/22/95	1040	194-195	82	KO	1113	198'-308'	110'	19E - 20E	JJP
8/22/95	1050	194-195	84	TT	295	104'-188'	84'	19E - 20E	JJP
8/22/95	1100	194-195	82	CS	G205	308'-318'	10'	19E - 20E	JJP
8/22/95	1105	194-195	82	KO	1113	318'-383'	65'	19E - 20E	JJP
8/22/95	1115	194-195	84	VS	G171	188'-198'	10'	19E - 20E	JJP
8/22/95	1115	194-195	84	KO	1113	392'-407'	15'	19E - 20E	JJP
8/22/95	1120	194-195	84	TT	295	0'-95'	95'	19E - 20E	JJP
8/22/95	1145	194-195	84	CS	G205	383'-392'	9'	19E - 20E	JJP
8/22/95	1145	194-195	84	AL	G133	95'-104'	9'	19E - 20E	JJP
8/22/95	1330	195-196	86	KO	1113	386'-402'	16'	19E - 20E	JJP
8/22/95	1335	195-196	86	KO	1113	310'-376'	66'	19E - 20E	JJP
8/22/95	1350	195-196	86	TT	295	107'-187'	80'	19E - 20E	JJP
8/22/95	1435	195-196	86	TT	295	0'-98'	98'	19E - 20E	JJP
8/22/95	1445	195-196	86	AL	G113	98'-107'	9'	19E - 20E	JJP
8/22/95	1500	195-196	87	KO	1113	196'-300'	204'	19E - 20E	JJP
8/22/95	1500	195-196	87	VS	G171	300'-310'	10'	19E - 20E	JJP
8/22/95	1600	195-196	87	AL	G133	187'-196'	9'	19E - 20E	JJP
8/22/95	1600	195-196	87	CS	G205	376'-386'	10'	19E - 20E	JJP
8/22/95	1600	196-197	87	TT	295	0'-103'	103'	19E - 20E	JJP
8/22/95	1600	196-197	87	VS	G171	300'-310'	10'	19E - 20E	JJP
8/22/95	1612	196-197	87	TT	295	113'-189'	76'	19E - 20E	JJP
8/22/95	1630	196-197	87	VS	G171	189'-198'	10'	19E - 20E	JJP

Notes:
(1) "G" indicates extrusion welding unit

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
8/22/95	1630	196-197	87	CS	G205	380'-389'	9'	19E - 20E	JJP
8/22/95	1635	196-197	87	KO	1113	198'-300'	102'	19E - 20E	JJP
8/22/95	1700	196-197	86	AL	G133	103'-113'	10'	19E - 20E	JJP
8/22/95	1700	197-198	86	VS	G171	181'-193'	12'	19E - 20E	JJP
8/22/95	1700	197-198	86	CS	G205	376'-396'	20'	19E - 20E	JJP
8/22/95	1700	310-380	86	KO	1113	310'-380'	70'	19E - 20E	JJP
8/22/95	1715	197-198	86	TT	295	109'-181'	72'	19E - 20E	JJP
8/22/95	1730	197-198	86	KO	1113	193'-296'	103'	19E - 20E	JJP
8/22/95	1740	197-198	86	TT	295	0'-99'	99'	19E - 20E	JJP
8/22/95	1740	197-198	86	CS	G205	296'-306'	10'	19E - 20E	JJP
8/22/95	1750	196-197	86	CS	G205	389'-403'	14'	19E - 20E	JJP
8/22/95	1750	197-198	86	AL	G133	99'-109'	10'	19E - 20E	JJP
8/22/95	1755	197-198	85	KO	1113	306'-376'	70'	19E - 20E	JJP
8/23/95	930	198-202	83	AL	G133	100'-110'	10'	19E - 20E	JJP
8/23/95	1125	198-199	80	KO	1113	324'-375'	51'	19E - 20E	JJP
8/23/95	1315	198-199	83	CS	G205	375'-395'	20'	19E - 20E	JJP
8/23/95	1330	199-200	83	VS	G171	175'-185'	10'	19E - 20E	JJP
8/23/95	1330	199-200	83	KO	1113	185'-295'	110'	19E - 20E	JJP
8/23/95	1340	199-200	83	TT	295	0'-98'	98'	19E - 20E	JJP
8/23/95	1400	198-200	83	KO	1113	212'-295'	83'	19E - 20E	JJP
8/23/95	1400	199-200	83	TT	295	108'-175'	67'	19E - 20E	JJP
8/23/95	1430	199-200	83	AL	G133	98'-108'	10'	19E - 20E	JJP
8/23/95	1445	198-200	84	CS	G205	295'-324'	29'	19E - 20E	JJP
8/23/95	1455	200-201	84	TT	295	109'-178'	69'	19E - 20E	JJP
8/23/95	1500	199-200	84	CS	G205	295'-324'	29'	19E - 20E	JJP
8/23/95	1510	200-201	84	AL	G133	99'-109'	10'	19E - 20E	JJP
8/23/95	1513	198-201	84	TT	295	110'-178'	68'	19E - 20E	JJP
8/23/95	1530	199-203	84	CS	G205	298'-308'	10'	19E - 20E	JJP
8/23/95	1530	200-201	84	TT	295	0'-99'	99'	19E - 20E	JJP
8/23/95	1530	201-202	84	AL	G133	100'-110'	10'	19E - 20E	JJP
8/23/95	1540	198-201	84	KO	1113	187'-212'	15'	19E - 20E	JJP
8/23/95	1540	200-201	84	KO	1113	187'-212'	24'	19E - 20E	JJP
8/23/95	1600	200-201	84	VS	G171	178'-187'	10'	19E - 20E	JJP
8/23/95	1610	198-201	84	VS	G171	178'-187'	9'	19E - 20E	JJP
8/23/95	1615	201-202	84	TT	295	0'-100'	100'	19E - 20E	JJP
8/23/95	1624	199-203	84	KO	1113	184'-298'	114'	19E - 20E	JJP
8/23/95	1630	199-203	84	TT	295	0'-99'	99'	19E - 20E	JJP
8/23/95	1642	199-203	84	TT	295	109'-168'	57'	19E - 20E	JJP
8/23/95	1643	199-203	83	KO	1113	308'-373'	65'	19E - 20E	JJP
8/23/95	1710	198-202	83	TT	295	0'-100'	100'	19E - 20E	JJP
8/23/95	1739	199-203	83	VS	G171	168'-184'	16'	19E - 20E	JJP
8/23/95	1747	199-203	83	AL	G133	99'-109'	10'	19E - 20E	JJP
8/23/95	1801	199-203	83	CS	G205	373'-790'	17'	19E - 20E	JJP
8/24/95	920	203-204	84	JM	295	0'-94'	94'	20E - 21E	JJP
8/24/95	936	203-204	84	JM	295	106'-165'	59'	20E - 21E	JJP
8/24/95	945	203-204	84	CS	G205	288'-298'	10'	20E - 21E	JJP
8/24/95	1000	203-204	84	KO	1113	177'-288'	111'	20E - 21E	JJP
8/24/95	1006	203-204	84	AL	G133	94'-106'	12'	20E - 21E	JJP
8/24/95	1016	203-204	84	BS	G171	165'-177'	12'	20E - 21E	JJP
8/24/95	1030	203-204	84	KO	1113	298'-372'	64'	20E - 21E	JJP
8/24/95	1040	204-205	84	JM	295	107'-163'	56'	20E - 21E	NMB
8/24/95	1045	204-205	84	VS	G171	163'-176'	14'	20E - 21E	NMB
8/24/95	1106	204-205	84	AL	G133	94'-107'	13'	20E - 21E	JJP
8/24/95	1114	204-205	84	KO	1113	176'-283'	46'	20E - 21E	NMB
8/24/95	1116	204-205	84	JM	295	0'-94'	94'	20E - 21E	JJP
8/24/95	1156	204-205	84	KO	1113	298'-366'	68'	20E - 21E	NMB
8/24/95	1300	204-205	84	CS	G205	283'-298'	15'	20E - 21E	NMB
8/24/95	1420	205-206	84	JM	295	0'-96'	96'	20E - 21E	NMB
8/24/95	1430	205-206	84	KO	1113	178'-284'	106'	20E - 21E	NMB
8/24/95	1430	205-206	84	AL	G133	96'-109'	13'	20E - 21E	NMB

Notes:
(1) "G" indicates extrusion welding unit

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
8/24/95	1436	205-206	84	VS	G171	165'-178'	13'	20E - 21E	NMB
8/24/95	1441	205-206	84	JM	295	109'-165'	56'	20E - 21E	NMB
8/24/95	1456	205-206	84	KO	1113	296'-360'	64'	20E - 21E	NMB
8/24/95	1500	205-206	84	CS	G205	284'-296'	14'	20E - 21E	NMB
8/25/95	1300	206-207	81	JM	295	0'-98'	98'	20E - 21E	NMB
8/25/95	1300	206-207	81	KO	1113	303'-360'	46'	20E - 21E	NMB
8/25/95	1306	206-207	81	AL	G133	98'-109'	11'	20E - 21E	NMB
8/25/95	1320	206-207	81	JM	295	109'-166'	57'	20E - 21E	NMB
8/25/95	1330	206-207	81	VS	G171	166'-177'	11'	20E - 21E	NMB
8/25/95	1400	206-207	81	KO	1113	177'-289'	112'	20E - 21E	NMB
8/25/95	1410	206-207	81	CS	G205	289'-303'	20'	20E - 21E	NMB
8/25/95	1420	207-208	81	JM	295	109'-162'	52'	20E - 21E	NMB
8/25/95	1430	207-208	81	KO	1113	296'-360'	64'	20E - 21E	NMB
8/25/95	1430	207-208	81	AL	G133	98'-109'	11'	20E - 21E	NMB
8/25/95	1435	207-208	81	CS	G205	286'-296'	10'	20E - 21E	NMB
8/25/95	1450	207-208	81	JM	295	0'-98'	98'	20E - 21E	NMB
8/25/95	1456	207-208	81	KO	1113	174'-286'	112'	20E - 21E	NMB
8/25/95	1500	207-208	81	VS	G171	162'-174'	12'	20E - 21E	NMB
8/25/95	1516	208-209	81	AL	G133	97'-109'	12'	20E - 21E	NMB
8/25/95	1526	208-209	81	JM	295	0'-97'	97'	20E - 21E	NMB
8/25/95	1535	208-209	81	KO	1113	297'-340'	42'	20E - 21E	NMB
8/25/95	1540	208-209	81	VS	G171	161'-174'	13'	20E - 21E	NMB
8/25/95	1545	208-209	81	JM	295	109'-161'	52'	20E - 21E	NMB
8/25/95	1545	208-209	81	KO	1113	174'-284'	110'	20E - 21E	NMB
8/25/95	1600	208-209	81	CS	G205	284'-297'	14'	20E - 21E	NMB
8/25/95	1730	209-210	81	VS	G171	152'-169'	11'	20E - 21E	NMB
8/25/95	1730	209-210	81	KO	1113	292'-331'	39'	20E - 21E	NMB
8/25/95	1738	209-210	81	JM	295	106'-152'	43'	20E - 21E	NMB
8/25/95	1740	209-210	81	AL	G133	94'-106'	12'	20E - 21E	NMB
8/25/95	1745	209-210	81	JM	295	0'-94'	94'	20E - 21E	NMB
8/25/95	1745	209-210	81	KO	1113	169'-280'	111'	20E - 21E	NMB
8/25/95	1750	209-210	81	CS	G205	280'-292'	12'	20E - 21E	NMB
8/26/95	820	192R1813	80	TT	295	114'-158'	37'	21E - 22E	JJP
8/26/95	840	191R1813	80	TT	295	114'-158'	44'	21E - 22E	JJP
8/26/95	900	192R1816	80	TT	295	119'-163'	44'	21E - 22E	JJP
8/26/95	920	193R1816	80	TT	295	119'-163'	44'	21E - 22E	JJP
8/26/95	1020	210-211	75	TT	295	0'-101'	101'	20E - 21E	JJP
8/26/95	1021	210-211	75	KO	1113	294'-327'	33'	20E - 21E	JJP
8/26/95	1025	210-211	75	CS	G205	284'-294'	10'	20E - 21E	JJP
8/26/95	1030	210-211	75	KO	1113	168'-284'	116'	20E - 21E	JJP
8/26/95	1037	210-211	75	TT	295	111'-158'	47'	20E - 21E	JJP
8/26/95	1047	210-211	75	AL	G133	101'-111'	10'	20E - 21E	JJP
8/26/95	1048	210-211	75	VS	G171	158'-168'	10'	20E - 21E	JJP
8/26/95	1059	211-212	75	KO	1113	294'-314'	20'	20E - 21E	JJP
8/26/95	1107	211-212	75	KO	1113	165'-284'	119'	20E - 21E	JJP
8/26/95	1124	211-212	75	TT	295	110'-155'	45'	20E - 21E	JJP
8/26/95	1126	211-212	75	CS	G205	284'-294'	10'	20E - 21E	JJP
8/26/95	1142	211-212	75	TT	295	0'-100'	100'	20E - 21E	JJP
8/26/95	1257	211-212	80	KC	G133	100'-110'	10'	20E - 21E	JJP
8/26/95	1325	212-213	80	KO	1113	159'-285'	126'	21E - 22E	JJP
8/26/95	1329	212-213	80	TT	295	108'-149'	41'	21E - 22E	JJP
8/26/95	1330	212-213	80	VS	G171	149'-159'	10'	21E - 22E	JJP
8/26/95	1334	211-212	80	VS	G171	155'-165'	10'	20E - 21E	JJP
8/26/95	1351	212-213	80	TT	295	0'-98'	98'	21E - 22E	JJP
8/26/95	1425	192R1822	80	TT	295	31'-91'	60'	21E - 22E	JJP
8/26/95	1430	212-213	80	CS	G205	285'-295'	10'	21E - 22E	JJP
8/26/95	1431	212-213	80	AL	G133	98'-108'	10'	21E - 22E	JJP
8/26/95	1440	191R1822	80	TT	295	31'-91'	60'	21E - 22E	JJP
8/26/95	1445	191R1825	80	KO	1113	26'-89'	63'	21E - 22E	JJP
8/26/95	1500	190R1825	80	KO	1113	26'-89'	63'	21E - 22E	JJP

Notes:
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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
8/28/95	757	192R1819	79	TT	295	6'-87'	81'	21E - 22E	JJP
8/28/95	806	193R1819	79	TT	295	6'-87'	81'	21E - 22E	JJP
8/28/95	810	213-214	79	KO	1113	0'-99'	99'	21E - 22E	JJP
8/28/95	816	213-214	79	KC	G133	99'-112'	13'	21E - 22E	JJP
8/28/95	850	213-214	79	KO	1113	112'-148'	36'	21E - 22E	JJP
8/28/95	900	213-214	79	CS	G205	148'-161'	13'	21E - 22E	JJP
8/28/95	935	190R1809	79	TT	295	106'-144'	38'	21E - 22E	JJP
8/28/95	947	191R1809	79	TT	295	106'-144'	38'	21E - 22E	JJP
8/28/95	950	213-214	79	KO	1113	161'-280'	115'	21E - 22E	JJP
8/28/95	1000	190R1807	79	TT	295	147'-185'	38'	21E - 22E	JJP
8/28/95	1011	214-215	79	KO	1113	160'-275'	115'	21E - 22E	JJP
8/28/95	1013	191R1807	79	TT	295	147'-185'	38'	21E - 22E	JJP
8/28/95	1013	214-215	79	KC	G133	102'-114'	12'	21E - 22E	JJP
8/28/95	1018	214-215	79	CS	G205	147'-160'	13'	21E - 22E	JJP
8/28/95	1025	191R1811	79	TT	295	163'-191'	28'	21E - 22E	JJP
8/28/95	1040	192R1811	79	TT	295	163'-191'	28'	21E - 22E	JJP
8/28/95	1050	214-215	79	KO	1113	0'-102'	102'	21E - 22E	JJP
8/28/95	1110	214-215	79	KO	1113	114'-147'	33'	21E - 22E	JJP
8/28/95	1320	215-216	81	TT	295	115'-148'	33'	21E - 22E	JJP
8/28/95	1340	215-216	81	KC	G133	102'-115'	13'	21E - 22E	JJP
8/28/95	1345	215-216	81	TT	295	0'-102'	102'	21E - 22E	JJP
8/28/95	1354	215-216	81	CS	G205	148'-160'	13'	21E - 22E	JJP
8/28/95	1400	215-216	81	KO	1113	160'-275'	114'	21E - 22E	JJP
8/28/95	1445	216-217	81	TT	295	0'-102'	102'	21E - 22E	JJP
8/28/95	1450	216-217	81	KC	G133	102'-116'	14'	21E - 22E	JJP
8/28/95	1455	216-217	81	KO	1113	160'-266'	104'	21E - 22E	JJP
8/28/95	1503	216-217	81	TT	295	116'-141'	30'	21E - 22E	JJP
8/28/95	1516	216-217	81	CS	G205	141'-160'	19'	21E - 22E	JJP
8/28/95	1700	217-218	79	KC	G133	102'-115'	13'	21E - 22E	JJP
8/28/95	1712	217-218	79	TT	295	0'-102'	102'	21E - 22E	JJP
8/28/95	1715	217-218	79	KO	1113	150'-247'	97'	21E - 22E	JJP
8/28/95	1716	217-218	79	CS	G205	139'-150'	11'	21E - 22E	JJP
8/28/95	1730	217-218	79	TT	295	115'-139'	24'	21E - 22E	JJP
8/28/95	1759	218-219	79	TT	295	118'-137'	19'	21E - 22E	JJP
8/28/95	1810	218-219	79	TT	295	0'-106'	106'	21E - 22E	JJP
8/28/95	1810	218-219	79	CS	G205	137'-149'	12'	21E - 22E	JJP
8/28/95	1820	218-219	79	KC	G133	106'-118'	12'	21E - 22E	JJP
8/28/95	1820	218-219	79	CS	G205	208'-239'	31' CAP	21E - 22E	JJP
8/28/95	1828	218-219	79	KO	1113	149'-208'	59'	21E - 22E	JJP
8/30/95	1130	219-221	80	KO	1113	152'-243'	87'	22A - 23	NMB
8/30/95	1140	219-221	80	TT	295	0'-108'	108'	22A - 23	NB
8/30/95	1245	219-221	80	TT	295	125'-140'	15'	22A - 23	NB
8/30/95	1325	220-222	80	TT	295	0'-101'	101'	22A - 23	WJH
8/30/95	1330	220-222	80	CS	G205	101'-122'	21'	22A - 23	WJH
8/30/95	1335	220-222	80	TT	295	122'-175'	53'	22A - 23	WJH
8/30/95	1345	219-221	80	VS	G171	140'-152'	16'	22A - 23	WJH
8/30/95	1400	220-230	80	TT	295	37'-92'	55'	22A - 23	WJH
8/30/95	1415	219-221	80	KC	G133	108'-125'	17'	23 - 22B	WJH
8/30/95	1420	221-223	80	TT	295	155'-175'	20'	22A - 23	WJH
8/30/95	1425	220-230	80	AL	G133	92'-103'	11'	22A - 23	WJH
8/30/95	1430	229-230	80	AL	G133	84'-96'	12'	22A - 23	WJH
8/30/95	1432	220-222	80	TT	295	0'-105'	105'	22A - 23	WJH
8/30/95	1450	221-223	80	TT	295	0'-143'	143'	22A - 23	WJH
8/30/95	1500	223-224	80	TT	295	100'-143'	43'	22A - 23	WJH
8/30/95	1510	221-223	80	VS	G274	143'-154'	11'	22A - 23	WJH
8/30/95	1516	220-222	80	AL	G133	105'-115'	10'	22A - 23	WJH
8/30/95	1520	222-223	80	VS	G274	113'-123'	10'	22A - 23	WJH
8/30/95	1525	222-223	80	TT	295	123'-143'	20'	22A - 23	WJH
8/30/95	1535	222-224	80	KO	1113	0'-113'	133'	22A - 23	WJH
8/30/95	1537	224-225	80	TT	295	0'-74'	74'	22A - 23	WJH

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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
8/30/95	1555	225-226	80	TT	295	0'-50'	50'	22A - 23	WJH
8/30/95	1600	223-225	80	KO	1113	63'-100'	37'	22A - 23	WJH
8/30/95	1605	226-227	80	TT	295	0'-21'	21'	22A - 23	WJH
8/30/95	1606	223-226	80	KO	1113	25'-63'	38'	22A - 23	WJH
8/30/95	1615	222-223	80	VS	G274	104'-113'	9'	22A - 23	WJH
8/30/95	1615	223-227	80	KO	1113	0'-25'	25'	22A - 23	WJH
8/30/95	1630	220-222	80	KO	1133	115'-175'	60'	22A - 23	WJH
8/31/95	947	220-228	80	KO	1113	143'-190'	29'	22A - 23	WJH
8/31/95	1015	228-229	80	KO	1113	84'-143'	59'	22A - 23	WJH
8/31/95	1020	228-229	80	TT	295	6'-68'	62'	22A - 23	WJH
8/31/95	1035	229-230	80	TT	295	0'-81'	81'	22A - 23	WJH
8/31/95	1050	230-231	80	TT	295	0'-37'	37'	22A - 23	WJH
8/31/95	1057	220-231	80	TT	295	0'-37'	37'	22A - 23	WJH
8/31/95	1100	228-229	80	CS	G205	68'-83'	15'	22A - 23	WJH
8/31/95	1105	220-229	80	KO	1113	103'-157'	53'	22A - 23	WJH
8/31/95	1128	228-232	80	KO	1113	150'-190'	40'	22A - 23	WJH
8/31/95	1250	228-233	80	TT	295	0'-68'	68'	22A - 23	WJH
8/31/95	1300	232-233	80	KO	1113	123'-162'	39'	22A - 23	WJH
8/31/95	1308	228-233	80	KO	1113	82'-150'	68'	22A - 23	WJH
8/31/95	1310	233-234	80	TT	295	0'-55'	55'	22A - 23	WJH
8/31/95	1333	234-235	80	TT	295	0'-47'	47'	22A - 23	WJH
8/31/95	1333	234-235	80	TT	295	0'-48'	48'	23 - 22B	WJH
8/31/95	1352	232-234	80	KO	1113	100'-123'	23'	23 - 22B	WJH
8/31/95	1353	235-236	80	TT	295	0'-49'	49'	23 - 22B	WJH
8/31/95	1400	228-233	80	VS	G171	68'-82'	14'	23 - 22B	WJH
8/31/95	1400	233-234	80	CS	G205	56'-67'	11'	23 - 22B	WJH
8/31/95	1434	236-237	80	TT	295	0'-21'	21'	23 - 22B	WJH
8/31/95	1450	232-236	80	TT	295	27'-64'	37'	23 - 22B	WJH
8/31/95	1450	232-237	80	TT	295	0'-27'	27'	23 - 22B	WJH
8/31/95	1450	232-237	80	TT	295	0'-27'	27'	23 - 22B	WJH
8/31/95	1500	232-239	80	KO	1113	115-160'	45'	23 - 22B	WJH
8/31/95	1500	234-235	80	CS	G205	48'-58'	10'	23 - 22B	WJH
8/31/95	1525	188-238	80	TT	295	0'-119'	119'	23 - 22B	WJH
8/31/95	1530	238-239	80	KO	1113	0'-90'	90'	23 - 22B	WJH
8/31/95	1535	232-240	80	TT	295	0'-44'	44'	23 - 22B	WJH
8/31/95	1545	232-240	80	TT	295	57'-115'	55'	23 - 22B	WJH
8/31/95	1600	232-238	80	KO	1113	160'-190'	40'	23 - 22B	WJH
8/31/95	1603	239-240	80	TT	295	17'-63'	46'	23 - 22B	WJH
8/31/95	1615	240-241	80	TT	295	4'-15'	11'	23 - 22B	WJH
8/31/95	1620	239-241	80	TT	295	0'-17'	17'	23 - 22B	WJH
8/31/95	1630	240-241	80	KC	133	0'-4'	4'	23 - 22B	WJH
8/31/95	1645	235-236	80	KC	G133	49'-59'	10'	23 - 22B	WJH
8/31/95	1700	228-229	80	KC	133	0'-6'	6'	23 - 22B	WJH
8/31/95	1729	232-240	80	VS	G171	44'-57'	15'	23 - 22B	WJH
9/1/95	1325	188-242	82	CS	G205	19'-43'	17'	23 - 22B	WJH
9/1/95	1336	186-242	82	KC	G133	67'-92'	25'	23 - 22B	WJH
9/1/95	1345	187-242	82	KC	G133	43'-67'	24'	23 - 22B	WJH
9/1/95	1350	228-242	82	CS	G205	0'-11'	11'	23 - 22B	WJH
9/1/95	1400	218-242	82	CS	G205	36'-60'	24'	20W - 21W	WJH
9/1/95	1428	184-242	82	KC	G133	116'-132'	16'	20W - 21W	WJH
9/1/95	1430	217-242	82	CS	G205	60'-83'	17'	20W - 21W	WJH
9/1/95	1430	220-242	82	VS	G171	0'-2'	2'	23 - 22B	WJH
9/1/95	1439	221-242	82	VS	G171	2'-14'	12'	23 - 22B	WJH
9/1/95	1440	185-242	82	KC	G133	92'-116'	24'	20W - 21W	WJH
9/1/95	1445	216-242	82	CS	G205	83'-106	23'	20W - 21W	WJH
9/1/95	1450	215-242	82	CS	G205	106'-130'	24'	20W - 21W	WJH
9/1/95	1450	219-242	82	VS	G171	14'-36'	22'	23 - 22B	WJH
9/1/95	1520	183-243	82	KC	G133	140'-161'	21'	20W - 21W	WJH
9/1/95	1520	184-243	82	KC	G133	132'-140'	8'	20W - 21W	WJH
9/1/95	1530	213-214	82	CS	G205	274'-280'	6'	20W - 21W	WJH

Notes:
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GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/1/95	1530	R1878-243	82	CS	G205	130'-150'	20'	20W - 21W	WJH
9/1/95	1545	242-243	82	KC	G133	0'-20'	20'	20W - 21W	WJH
9/1/95	1555	213-243	82	CS	G205	164'-170'	10'	20W - 21W	WJH
9/5/95	1130	176-244	82	VS	G171	303'-326'	23'	20W - 21W	WJH
9/5/95	1245	177-244	82	TT	G205	280'-303'	23'	20W - 21W	WJH
9/5/95	1245	178-244	82	TT	G171	257'-280'	23'	20W - 21W	WJH
9/5/95	1300	212-243	82	CS	G205	174'-199'	25'	20W - 21W	WJH
9/5/95	1300	243-244	82	AL	G133	0'-21'	21'	20W - 21W	WJH
9/5/95	1315	211-243	82	CS	G205	199'-211'	11'	20W - 21W	WJH
9/5/95	1315	211-244	82	AL	G133	211'-225'	13'	20W - 21W	WJH
9/5/95	1323	179-244	82	TT	G171	233'-257'	24'	20W - 21W	WJH
9/5/95	1324	210-244	82	AL	G133	225'-247'	22'	20W - 21W	WJH
9/5/95	1325	209-244	82	AL	G133	247'-270'	23'	20W - 21W	WJH
9/5/95	1330	180-243	82	CS	G205	209'-214'	5'	20W - 21W	WJH
9/5/95	1330	180-244	82	TT	G171	214'-233'	19'	20W - 21W	WJH
9/5/95	1330	181-243	82	CS	G205	191'-209'	18'	20W - 21W	WJH
9/5/95	1332	182-243	82	CS	G205	161'-191'	30'	20W - 21W	WJH
9/5/95	1338	208-244	82	AL	G133	270'-295'	25'	20W - 21W	WJH
9/5/95	1345	244-246	82	TT	G171	0'-15'	15'	20W - 21W	WJH
9/5/95	1355	175-246	82	TT	G171	333'-343'	10'	20W - 21W	WJH
9/5/95	1405	204-245	82	CS	G205	37'-56'	19'	20W - 21W	WJH
9/5/95	1425	204-205	82	CS	G205	366'-371'	5'	20W - 21W	WJH
9/5/95	1425	206-245	82	AL	G133	8'-14'	6'	20W - 21W	WJH
9/5/95	1430	205-245	82	AL	G133	14'-37'	23'	20W - 21W	WJH
9/5/95	1430	245-246	82	TT	G171	0'-14'	14'	20W - 21W	WJH
9/5/95	1445	175-245	82	TT	G171	10'-17'	3'	20W - 21W	WJH
9/5/95	1450	204-245	80	CS	G205	56'-61'	5'CAP	20W - 21W	WJH
9/5/95	1450	206-246	82	AL	G133	0'-8'	8'	20W - 21W	WJH
9/5/95	1455	173-245	82	TT	G171	40'-60'	20'	20W - 21W	WJH
9/5/95	1455	174-245	82	TT	G171	17'-40'	23'	20W - 21W	WJH
9/5/95	1500	173-245	80	CS	G205	60'-65'	5'	20W - 21W	WJH
9/5/95	1510	212-243	80	CS	G205	170'-174'	4'	20W - 21W	WJH
9/5/95	1520	203-245	82	CS	G205	61'-87'	25'	20W - 21W	WJH
9/5/95	1520	213-243	80	CS	205	150'-164'	14'	20W - 21W	WJH
9/5/95	1520	238-242	80	AL	133	0'-19'	19'	20W - 21W	WJH
9/5/95	1526	207-244	80	CS	205	295'-319'	24'	20W - 21W	WJH
9/5/95	1534	206-244	80	CS	205	319'-330'	11'	20W - 21W	WJH
9/5/95	1543	175-244	80	CS	205	326'-333'	7'	20W - 21W	WJH
9/5/95	1556	172-245	80	CS	205	65'-91'	26'	20W - 21W	WJH
9/8/95	1000	247-248	76	CS	G205	221'-245'	24'	13A - 14E	WJH
9/8/95	1015	247-248	76	KO	1155	97'-221'	124'	13A - 14E	WJH
9/8/95	1020	247-248	76	TT	295	0'-87'	86'	13A - 14E	WJH
9/8/95	1045	247-248	76	KO	1155	245'-363'	118'	13A - 14E	WJH
9/8/95	1103	247-248	76	AL	G133	87'-97'	10'	13A - 14E	WJH
9/8/95	1105	7-248	76	TT	295	0'-86'	86'	13A - 14E	WJH
9/8/95	1125	6-248	76	TT	295	100'-169'	69'	13A - 14E	WJH
9/8/95	1130	18-249	76	KO	1155	0'-111'	111'	13A - 14E	WJH
9/8/95	1300	248-249	76	KO	1155	245'-313'	65'	13A - 14E	WJH
9/8/95	1300	248-251	76	TT	295	169'-235'	66'	13A - 14E	WJH
9/8/95	1300	6-251	76	TT	295	169'-235'	66'	13A - 14E	WJH
9/8/95	1300	7-248	76	AL	G133	86'-100'	14'	13A - 14E	WJH
9/8/95	1315	249-250	76	KO	1155	0'-40'	40'	13A - 14E	WJH
9/8/95	1330	248-250	76	KO	1155	313'-361'	48'	13A - 14E	WJH
9/8/95	1400	248-251	76	CS	G205	235'-245'	13'	13A - 14E	WJH
9/8/95	1406	6-251	76	CS	G205	235'-255'	20'	13A - 14E	WJH
9/8/95	1430	249-251	76	CS	G205	0'-13'	13'	13A - 14E	WJH
9/9/95	800	247-252	75	KO	1155	237'-370'	133'	14E - 15E	WJH
9/9/95	820	247-252	74	TT	295	0'-84'	84'	14E - 15E	WJH
9/9/95	825	247-252	75	VS	G274	227'-237'	10'	14E - 15E	WJH
9/9/95	840	247-252	74	KC	G133	84'-94'	10'	14E - 15E	WJH

Notes:
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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/9/95	840	247-252	75	TT	295	94'-227'	133'	14E - 15E	WJH
9/9/95	850	252-253	76	KO	1155	95'-222'	127'	14E - 15E	WJH
9/9/95	900	255-256	69	KC	G133	86'-96'	10'	14E - 15E	WJH
9/9/95	900	256-257	69	KC	G133	82'-96'	13'	14E - 15E	WJH
9/9/95	930	252-253	76	TT	295	0'-85'	85'	14E - 15E	WJH
9/9/95	930	252-253	76	VS	G274	222'-236'	14'	14E - 15E	WJH
9/9/95	930	252-253	76	KC	G133	85'-95'	10'	14E - 15E	WJH
9/9/95	945	252-253	76	KO	1155	236'-380'	144'	14E - 15E	WJH
9/9/95	1030	253-254	79	KO	1155	363'-390'	27'	14E - 15E	WJH
9/9/95	1045	253-254	79	KO	1155	234'-350'	116'	14E - 15E	WJH
9/9/95	1050	253-254	79	TT	295	0'-86'	86'	14E - 15E	WJH
9/9/95	1105	253-254	79	VS	G274	220'-234'	14'	14E - 15E	WJH
9/9/95	1105	253-254	79	TT	295	96'-220'	126'	14E - 15E	WJH
9/9/95	1250	254-255	79	TT	295	0'-84'	84'	14E - 15E	WJH
9/9/95	1300	253-254	79	CS	G205	350'-363'	13'	14E - 15E	WJH
9/9/95	1300	254-255	79	KO	1155	231'-345'	114'	14E - 15E	WJH
9/9/95	1305	254-255	79	TT	295	96'-216'	120'	14E - 15E	WJH
9/9/95	1320	253-254	79	AL	G133	86'-96'	10'	14E - 15E	WJH
9/9/95	1330	254-255	79	CS	G205	345'-357'	12'	14E - 15E	WJH
9/9/95	1330	254-255	79	KO	1155	357'-400'	43'	14E - 15E	WJH
9/9/95	1345	254-255	79	VS	G274	216'-231'	15'	14E - 15E	WJH
9/9/95	1345	255-256	79	KO	1155	351'-407'	56'	14E - 15E	WJH
9/9/95	1400	254-255	79	CS	133	84'-96'	12'	14E - 15E	WJH
9/9/95	1415	255-256	79	KO	1155	227'-337'	110'	14E - 15E	WJH
9/9/95	1420	256-257	79	KO	1155	348'-410'	62'	14E - 15E	WJH
9/9/95	1430	255-256	79	TT	295	0'-86'	86'	14E - 15E	WJH
9/9/95	1440	255-256	79	TT	295	96'-215'	119'	14E - 15E	WJH
9/9/95	1450	255-256	79	VS	G274	215'-227'	12'	14E - 15E	WJH
9/9/95	1500	255-256	79	CS	G205	337'-351'	14'	14E - 15E	WJH
9/9/95	1510	256-257	79	KO	1155	223'-335'	112'	14E - 15E	WJH
9/9/95	1515	256-257	79	TT	295	96'-210'	114'	14E - 15E	WJH
9/9/95	1540	256-257	79	TT	295	0'-82'	82'	14E - 15E	WJH
9/9/95	1545	256-257	79	CS	G205	335'-348'	13'	14E - 15E	WJH
9/9/95	1559	256-257	79	VS	G274	210'-223'	13'	14E - 15E	WJH
9/11/95	845	257-258	68	KO	1155	338'-409'	71'	15E - 19A	WJH
9/11/95	900	257-258	69	CS	G205	325'-338'	13'	15E - 19A	WJH
9/11/95	920	257-258	69	VS	G274	203'-217'	19'	15E - 19A	WJH
9/11/95	930	257-258	69	TT	295	0'-79'	79'	15E - 19A	WJH
9/11/95	935	257-258	69	KO	1155	217'-325'	108'	15E - 19A	WJH
9/11/95	955	257-258	69	TT	295	90'-203'	113'	15E - 19A	WJH
9/11/95	1000	257-258	69	KC	G133	79'-90'	11'	15E - 19A	WJH
9/11/95	1015	258-259	70	KO	1155	212'-321'	109'	15E - 19A	WJH
9/11/95	1015	258-259	70	TT	295	89'-199'	110'	15E - 19A	WJH
9/11/95	1030	258-259	70	TT	295	0'-77'	77'	15E - 19A	WJH
9/11/95	1030	258-259	70	CS	G205	321'-334'	13'	15E - 19A	WJH
9/11/95	1045	258-259	70	KO	1155	334'-410'	76'	15E - 19A	WJH
9/11/95	1100	258-259	70	AL	G133	77'-89'	11'	15E - 19A	WJH
9/11/95	1135	259-260	70	TT	295	0'-74'	74'	15E - 19A	WJH
9/11/95	1140	258-259	70	VS	G274	199'-212'	13'	15E - 19A	WJH
9/11/95	1145	259-260	70	CS	G205	316'-329'	13'	15E - 19A	WJH
9/11/95	1145	259-260	70	KO	1155	329'-410'	81'	15E - 19A	WJH
9/11/95	1145	259-260	70	AL	G133	74'-85'	11'	15E - 19A	WJH
9/11/95	1300	259-260	70	KO	1155	207'-316'	109'	15E - 19A	WJH
9/11/95	1300	259-260	70	TT	295	85'-194'	109'	15E - 19A	WJH
9/11/95	1400	260-261	70	KO	1155	326'-412'	86'	15E - 19A	WJH
9/11/95	1430	260-261	70	KO	1155	204'-314'	110'	15E - 19A	WJH
9/11/95	1445	260-261	70	TT	295	0'-73'	73'	15E - 19A	WJH
9/11/95	1500	259-260	70	VS	G274	194'-207'	13'	15E - 19A	WJH
9/11/95	1500	260-261	70	TT	295	84'-193'	109'	15E - 19A	WJH
9/11/95	1515	260-261	70	CS	G205	314'-326'	12'	15E - 19A	WJH

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TOWN OF HUNTINGTON
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SUFFOLK COUNTY, NEW YORK

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/11/95	1535	260-261	70	KC	G133	73'-84'	11'	15E - 19A	WJH
9/11/95	1540	261-262	73	KO	1155	325'-430'	105'	15E - 19A	WJH
9/11/95	1555	260-261	70	VS	G274	193'-204'	11'	15E - 19A	WJH
9/11/95	1600	261-262	73	TT	295	0'-76'	76'	15E - 19A	WJH
9/11/95	1600	261-262	73	KO	1155	205'-311'	106'	15E - 19A	WJH
9/11/95	1600	261-262	73	CS	G205	311'-325'	14'	15E - 19A	WJH
9/11/95	1615	261-262	73	TT	295	87'-192'	105'	15E - 19A	WJH
9/11/95	1630	262-263	70	KO	1155	320'-383'	63'	15E - 19A	WJH
9/11/95	1645	261-262	73	AL	G133	76'-87'	11'	15E - 19A	WJH
9/11/95	1645	262-263	70	KO	1155	395'-443'	48'	15E - 19A	WJH
9/11/95	1645	262-263	70	TT	295	88'-189'	101'	15E - 19A	WJH
9/11/95	1700	261-262	73	VS	G274	192'-205'	13'	15E - 19A	WJH
9/11/95	1700	262-263	70	CS	G205	383'-395'	12'	15E - 19A	WJH
9/11/95	1706	262-263	70	VS	G274	189'-200'	11'	15E - 19A	WJH
9/11/95	1715	262-263	70	TT	295	0'-77'	77'	15E - 19A	WJH
9/11/95	1715	262-263	70	KO	1155	200'-308'	108'	15E - 19A	WJH
9/11/95	1730	262-263	70	CS	G205	308'-320'	12'	15E - 19A	WJH
9/11/95	1800	190-264	70	TT	295	0'-84'	84'	15E - 19A	WJH
9/11/95	1800	190-264	70	KO	1155	203'-308'	105'	15E - 19A	WJH
9/11/95	1800	262-263	70	AL	G133	77'-88'	11'	15E - 19A	WJH
9/11/95	1815	190-264	70	KO	1155	327'-386'	59'	15E - 19A	WJH
9/11/95	1820	190-264	70	TT	295	98'-186'	88'	15E - 19A	WJH
9/11/95	1830	190-264	70	KO	1155	398'-420'	22'	15E - 19A	WJH
9/11/95	1840	263-264	70	KO	1155	391'-417'	26'	15E - 19A	WJH
9/11/95	1845	190-264	70	CS	G205	308'-327'	19'	15E - 19A	WJH
9/11/95	1850	263-264	70	KO	1155	356'-380'	24'	15E - 19A	WJH
9/12/95	800	263-264	70	CS	G205	380'-391'	11'	15E - 19A	WJH
9/12/95	800	263-265	70	KO	1155	319'-356'	37'	15E - 19A	WJH
9/12/95	820	264-265	70	KO	1155	321'-356'	35'	15E - 19A	WJH
9/12/95	830	190-264	70	AL	133	84'-98'	14'	15E - 19A	WJH
9/12/95	840	264-266	75	TT	295	0'-80'	80'	15E - 19A	WJH
9/12/95	845	190-264	70	CS	G205	386'-398'	13'	15E - 19A	WJH
9/12/95	845	264-266	75	KO	1155	196'-309'	113'	15E - 19A	WJH
9/12/95	900	264-266	75	TT	295	94'-184'	90'	15E - 19A	WJH
9/12/95	945	266-267	75	KO	1155	200'-290'	90'	15E - 19A	WJH
9/12/95	957	266-267	75	TT	295	96'-188'	192'	15E - 19A	WJH
9/12/95	1000	263-266	75	KO	1155	285'-308'	18'	15E - 19A	WJH
9/12/95	1015	263-267	75	KO	1155	220'-285'	70'	15E - 19A	WJH
9/12/95	1015	266-267	75	TT	295	0'-85'	85'	15E - 19A	WJH
9/12/95	1035	267-268	75	TT	295	8'-85'	77'	15E - 19A	WJH
9/12/95	1035	268-269	75	KO	1155	96'-155'	59'	15E - 19A	WJH
9/12/95	1040	264-266	75	VS	G274	184'-196'	12'	15E - 19A	WJH
9/12/95	1050	263-268	75	KO	1155	148'-192'	44'	15E - 19A	WJH
9/12/95	1050	263-269	75	KO	1155	92'-148'	54'	15E - 19A	WJH
9/12/95	1050	267-268	75	TT	295	96'-193'	97'	15E - 19A	WJH
9/12/95	1100	268-270	75	TT	295	12'-77'	65'	15E - 19A	WJH
9/12/95	1110	267-268	75	KO	1115	203'-225'	22'	15E - 19A	WJH
9/12/95	1115	263-268	75	KO	1155	202'-220'	18'	15E - 19A	WJH
9/12/95	1120	269-270	75	TT	295	13'-77'	64'	15E - 19A	WJH
9/12/95	1135	264-266	75	AL	G133	80'-94'	14'	15E - 19A	WJH
9/12/95	1140	269-271	75	TT	295	0'-13'	13'	15E - 19A	WJH
9/12/95	1140	270-271	75	TT	295	0'-19'	19'	15E - 19A	WJH
9/12/95	1155	267-268	75	KC	G133	85'-96'	11'	15E - 19A	WJH
9/12/95	1215	268-272	75	AL	G133	0'-8'	8'	15E - 19A	WJH
9/12/95	1245	267-272	75	KC	295	0'-16'	16'	15E - 19A	WJH
9/12/95	1300	263-265	75	CS	G205	315'-319'	4'	15E - 19A	WJH
9/12/95	1300	263-266	75	CS	G205	308'-315'	7'	15E - 19A	WJH
9/12/95	1300	266-267	75	AL	G133	85'-96'	11'	15E - 19A	WJH
9/12/95	1315	263-269	70	TT	295	0'-80'	80'	15E - 19A	WJH
9/12/95	1315	264-266	75	CS	G205	309'-315'	6'	15E - 19A	WJH

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/12/95	1315	267-268	75	VS	G274	193'-203'	10'	15E - 19A	WJH
9/12/95	1315	268-269	75	AL	G133	77'-96'	19'	15E - 19A	WJH
9/12/95	1330	190-264	70	VS	G274	186'-203'	17'	15E - 19A	WJH
9/12/95	1345	273-274	75	KO	1155	0'-188'	188'	15E - 19A	WJH
9/12/95	1430	263-268	75	VS	G274	192'-202'	10'	15E - 19A	WJH
9/12/95	1435	274-275	75	KO	1155	35'-189'	154'	15E - 19A	WJH
9/12/95	1500	263-269	75	AL	G133	80'-92'	12'	15E - 19A	WJH
9/12/95	1500	275-276	75	KO	1155	38'-96'	58'	15E - 19A	WJH
9/12/95	1510	276-277	75	KO	1155	0'-11'	11'	15E - 19A	WJH
9/12/95	1530	275-277	75	KO	1155	96'-139'	43'	15E - 19A	WJH
9/12/95	1540	275-278	75	KO	1155	139'-169'	30'	15E - 19A	WJH
9/12/95	1550	161-277	75	TT	G171	80'-101'	21'	15E - 19A	WJH
9/12/95	1600	167-276N	75	AL	G133	0'-10'	10'	15E - 19A	WJH
9/12/95	1600	198-279	75	KO	1155	2'-27'	25'	15E - 19A	WJH
9/12/95	1610	199-279	75	CS	205	0'-2'	2'	15E - 19A	WJH
9/12/95	1615	163-276	75	TT	G171	33'-58'	23'	15E - 19A	WJH
9/12/95	1616	198-273	75	AL	133	0'-2'	2'	15E - 19A	WJH
9/12/95	1620	245-279	75	KO	1155	0'-23'	23'	15E - 19A	WJH
9/12/95	1625	171-279	75	KO	1155	0'-24'	24'	15E - 19A	WJH
9/12/95	1630	164-276	75	TT	G171	13'-33'	20'	15E - 19A	WJH
9/12/95	1630	165-276	75	TT	171	7'-13'	6'	15E - 19A	WJH
9/12/95	1630	266-267	75	VS	G274	188'-200'	12'	15E - 19A	WJH
9/12/95	1640	266-272	75	VS	274	0'-9'	9'	15E - 19A	WJH
9/12/95	1650	264-265	75	CS	G205	315'-321'	6'	15E - 19A	WJH
9/12/95	1650	273-279	75	KO	1155	0'-17'	17'	15E - 19A	WJH
9/12/95	1652	171-274	75	KO	1155	0'-16'	16'	15E - 19A	WJH
9/12/95	1700	170-274	75	KO	1155	0'-21'	21'	15E - 19A	WJH
9/12/95	1700	265-266	75	CS	G205	0'-16'	16'	15E - 19A	WJH
9/12/95	1700	268-271	75	AL	G133	0'-12'	12'	15E - 19A	WJH
9/12/95	1705	192-273	75	CS	G205	110'-133	23'	15E - 19A	WJH
9/12/95	1710	169-274	75	KO	1155	21'-35'	14'	15E - 19A	WJH
9/12/95	1720	197-273	75	KO	1155	2'-22'	20'	15E - 19A	WJH
9/12/95	1720	198-273	75	KO	1155	0'-2'	2'	15E - 19A	WJH
9/12/95	1730	160-278	75	TT	G171	101'-123'	22'	15E - 19A	WJH
9/12/95	1730	191-273	75	CS	G205	133'-155'	22'	15E - 19A	WJH
9/12/95	1730	196-273	75	KO	1155	22'-44'	22'	15E - 19A	WJH
9/12/95	1738	195-273	75	KO	1155	44'-67	23'	15E - 19A	WJH
9/12/95	1750	194-273	75	KO	1155	67'-89'	22'	15E - 19A	WJH
9/12/95	1800	162-277	75	TT	G171	58'-80'	22'	15E - 19A	WJH
9/12/95	1805	190-273	75	CS	G205	155'-176'	21'	15E - 19A	WJH
9/12/95	1805	193-273	75	KO	1155	89'-110'	21'	15E - 19A	WJH
9/13/95	750	167-276	75	AL	G133	0'-7'	7'	15E - 19A	WJH
9/13/95	750	263-273	75	CS	G205	2'-21'	19'	15E - 19A	WJH
9/13/95	750	264-273	75	CS	G205	0'-2'	2'	15E - 19A	WJH
9/13/95	800	167-275	75	AL	G133	18'-38'	17'	15E - 19A	WJH
9/13/95	810	168-275	75	AL	G133	0'-18'	21'	15E - 19A	WJH
9/13/95	825	169-275	75	AL	G133	0'-20'	20'	15E - 19A	WJH
9/13/95	930	263-274	80	TT	G171	21'-29'	08'	15E - 19A	JJP
9/13/95	935	274-280	80	TT	G171	29'-43'	14'	15E - 19A	JJP
9/13/95	945	275-281	80	TT	171	169'-182'	13'	15E - 19A	JJP
9/13/95	1000	275-280	80	TT	G171	0-37'	37'	15E - 19A	JJP
9/13/95	1000	278-281	80	TT	171	0'-10'	10'	15E - 19A	JJP
9/13/95	1016	159-278	80	TT	171	123'-134'	11'	15E - 19A	JJP
9/13/95	1037	275-280	80	TT	G171	43-51'	08'	15E - 19A	JJP
9/13/95	1047	263-280	80	TT	G171	0'-08'	08'	15E - 19A	JJP
9/13/95	1054	159-281S	80	TT	G171	0'-16'	16'	15E - 19A	JJP
9/13/95	1100	159-281W	80	TT	G171	0'-4'	4'	15E - 19A	JJP
9/13/95	1105	262-280	80	TT	G171	08'-36'	28'	15E - 19A	JJP
9/16/95	1105	74-282	75	AL	G133	0'-96'	96'	2 - 3	WJH
9/16/95	1115	74-282	75	AL	G133	96'-109'	13'	2 - 3	WJH

Notes:
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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/16/95	1140	282-283	75	KO	1155	239'-335'	96'	2 - 3	WJH
9/16/95	1143	282-283	75	TT	295	0'-109'	109'	2 - 3	WJH
9/16/95	1145	282-283	75	CS	G205	225'-239'	14'	2 - 3	WJH
9/16/95	1230	282-283	75	KO	1155	124'-225'	101'	2 - 3	WJH
9/16/95	1300	283-284	75	KO	1155	160'-266'	106'	2 - 3	WJH
9/16/95	1300	74-283	75	AL	G133	109'-189'	80'	2 - 3	JJP
9/16/95	1325	283-284	75	KO	1155	45'-147'	147'	2 - 3	WJH
9/16/95	1330	283-285	75	KO	1155	0'-32'	32'	2 - 3	JJP
9/16/95	1330	74-285W	75	AL	G133	189'-219'	30'	2 - 3	JJP
9/16/95	1355	282-283	75	VS	G274	109'-124'	15'	2 - 3	WJH
9/16/95	1400	283-284	75	CS	G205	147'-160'	13'	2 - 3	WJH
9/16/95	1400	74-285S	75	AL	G133	0'-10'	10'	2 - 3	JJP
9/16/95	1415	74-283	75	AL	G133	32'-45'	13'	2 - 3	JJP
9/16/95	1430	74-284	75	AL	G133	0'-100'	100'	2 - 3	JJP
9/16/95	1435	31-286	75	AL	G133	0'-10'	10'	2-3	WJH
9/16/95	1445	74-286	75	AL	G133	100'-142'	42'	2 - 3	JJP
9/16/95	1500	284-286	75	KO	1155	10'-34'	24'	2 - 3	JJP
9/16/95	1515	31-284	75	AL	G133	34'-50'	16'	2 - 3	JJP
9/16/95	1530	30-284	75	KO	1155	55'-77'	22'	2 - 3	JJP
9/16/95	1545	19-284	75	KO	1155	77'-94'	22'	2 - 3	JJP
9/16/95	1600	20-284	75	KO	1155	94'-117'	23'	2 - 3	JJP
9/16/95	1600	30-284	75	AL	G133	50'-55'	5'	2 - 3	JJP
9/16/95	1615	284-286	75	AL	133	0'-10'	10'	2 - 3	JJP
9/21/95	1445	282-287	75	KO	1155	351'-450'	99'	2 - 3	WJH
9/21/95	1500	282-287	75	AL	133	0'-20'	20'	2 - 3	WJH
9/21/95	1505	282-287	75	TT	295	20'-96'	76'	2 - 3	WJH
9/21/95	1510	282-287	75	KO	1155	232'-336'	104'	2 - 3	WJH
9/21/95	1530	282-287	75	CS	G205	336'-351'	15'	2 - 3	WJH
9/21/95	1535	282-287	75	AL	G171	96'-106'	10'	2 - 3	WJH
9/21/95	1540	282-287	75	TT	295	106'-222'	116'	2 - 3	WJH
9/21/95	1540	282-287	75	VS	G274	222'-232'	10'	2 - 3	WJH
9/28/95	1045	289-290	72	KO	1155	178'-76'	102'	12 - 13E	NMB
9/28/95	1046	288-289	72	TT	295	160'-57'	103'	12 - 13E	NMB
9/28/95	1100	137-291	72	KS	G205	0'-4'	4'	12 - 13E	NMB
9/28/95	1100	289-290	72	AL	G133	76'-67'	9'	12 - 13E	NMB
9/28/95	1105	138-291	72	KS	G205	4'-26'	22'	12 - 13E	NMB
9/28/95	1118	132-291	72	KS	G205	26'-27'	1'	12 - 13E	NMB
9/28/95	1124	132-292	72	KS	G205	27'-50'	23'	12 - 13E	NMB
9/28/95	1127	288-291	72	KO	1155	23'-0'	23'	12 - 13E	NMB
9/28/95	1130	131-292	72	KS	G205	50'-52'	2'	12 - 13E	NMB
9/28/95	1130	291-292	72	TT	295	57'-0'	57'	12 - 13E	NMB
9/28/95	1135	289-292	72	KO	1155	45'-23'	22'	12 - 13E	NMB
9/28/95	1140	290-293	72	KO	1155	67'-45'	22'	12 - 13E	NMB
9/28/95	1142	292-293	72	TT	295	67'-0'	67'	12 - 13E	NMB
9/28/95	1150	131-293	72	KS	G205	52'-74'	22'	12 - 13E	NMB
9/28/95	1400	120-296	72	KS	G205	74'-98'	24'	12 - 13E	NMB
9/28/95	1415	121-296	72	KS	G205	98'-101'	3'	12 - 13E	NMB
9/28/95	1445	121-R2291	72	KS	G205	101'-106'	5'	12 - 13E	NMB
9/28/95	1535	290-294	72	AL	G133	98'-88'	10'	12 - 13E	NMB
9/28/95	1537	290-294	72	TT	295	196'-98'	98'	12 - 13E	NMB
9/28/95	1540	293-294	72	KO	1155	76'-46'	30'	12 - 13E	NMB
9/28/95	1542	121-295	71	TT	295	106'-122'	16'	12 - 13E	NMB
9/28/95	1550	290-294	72	VS	G274	88'-76'	12'	12 - 13E	NMB
9/28/95	1600	293-296	72	KO	1155	20'-0'	20'	12 - 13E	NMB
9/28/95	1610	294-295	72	TT	295	203'-115'	88'	12 - 13E	NMB
9/28/95	1630	295-297	71	TT	295	216'-124'	92'	12 - 13E	NMB
9/28/95	1635	294-295	71	AL	G133	203'-224'	21'	12 - 13E	NMB
9/28/95	1640	295-297	71	KO	1155	116'-7'	103'	12 - 13E	NMB
9/28/95	1650	294-295	71	VS	G274	115'-105'	10'	12 - 13E	NMB
9/28/95	1652	295-297	71	TT	295	240'-226'	14'	12 - 13E	NMB

Notes:
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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/28/95	1700	295-297	71	AL	G133	226'-216'	10'	12 - 13E	NMB
9/28/95	1704	125-300	71	TT	295	155'-145'	10'	12 - 13E	NMB
9/28/95	1706	297-299	71	KO	1155	128'-43'	85'	12 - 13E	NMB
9/28/95	1706	297-299	70	TT	295	261'-241'	20'	12 - 13E	NMB
9/28/95	1712	297-299	70	TT	295	231'-138'	93'	12 - 13E	NMB
9/28/95	1715	122-300	71	TT	295	145'-130'	15'	12 - 13E	NMB
9/28/95	1715	295-297	70	VS	G274	124'-116'	08'	12 - 13E	NMB
9/28/95	1715	295-R2293	70	KO	1155	56'-105'	49'	12 - 13E	NMB
9/28/95	1715	297-299	70	AL	G133	241'-231'	10'	12 - 13E	NMB
9/28/95	1723	294-R2293	70	KO	1155	56'-105'	49'	12 - 13E	NMB
9/28/95	1730	122-295	71	TT	295	122'-130'	8'	12 - 13E	NMB
9/28/95	1735	297-300	70	TT	295	0'-22'	22'	12 - 13E	NMB
9/28/95	1740	293-298	71	KO	1155	41'-20'	21'	12 - 13E	NMB
9/28/95	1745	296-298	71	KO	1155	0'-22'	22'	12 - 13E	NMB
9/28/95	1755	299-301	71	TT	295	0'-22'	22'	12 - 13E	NMB
9/28/95	1800	295-R2292	71	KO	1155	56'-35'	21'	12 - 13E	NMB
9/28/95	1800	300-301	71	TT	295	20'-0'	20'	12 - 13E	NMB
9/28/95	1803	295-R2291	71	KO	1155	35'-0'	35'	12 - 13E	NMB
9/28/95	1815	297-301	71	TT	295	43'-20'	23'	12 - 13E	NMB
9/28/95	1815	298-R2292	71	KO	1155	56'-35'	21'	12 - 13E	NMB
9/28/95	1820	297-299	70	VS	G274	138'-128'	10'	12 - 13E	NMB
9/28/95	1825	294-298	71	TT	295	0'-22'	22'	12 - 13E	NMB
9/28/95	1825	296-R2291	71	KO	1155	35'-0'	35'	12 - 13E	NMB
9/29/95	900	301-R2344	70	CS	G205	155'-177'	22'	12 - 12A	NMB
9/29/95	930	125-R2344	70	CS	G205	155'-168'	13'	12 - 12A	NMB
9/29/95	930	295-300	68	CS	G205	7'-0'	7'	12 - 12A	NMB
9/29/95	945	126-R2344	70	CS	G205	168'-177'	09'	12 - 12A	NMB
9/29/95	1000	126-304	70	CS	G205	177'-190'	13'	12 - 12A	NMB
9/29/95	1325	299-302	70	KO	1155	133'-103	30'	12 - 12A	NMB
9/29/95	1330	299-302	70	TT	295	239'-145'	94'	12 - 12A	NMB
9/29/95	1335	299-302	70	VS	G274	145'-133'	12'	12 - 12A	NMB
9/29/95	1350	299-302	70	TT	295	278'-251'	27'	12 - 12A	NMB
9/29/95	1350	302-303	70	KO	1155	134'-105'	29'	12 - 12A	NMB
9/29/95	1400	299-302	70	KC	G133	251'-239'	12'	12 - 12A	NMB
9/29/95	1400	302-303	70	TT	295	284'-253'	31'	12 - 12A	NMB
9/29/95	1425	302-303	70	TT	295	243'-146'	93'	12 - 12A	NMB
9/29/95	1430	299-304	70	KO	1155	103'-49'	54'	12 - 12A	NMB
9/29/95	1430	302-303	70	VS	G274	146'-134'	12'	12 - 12A	NMB
9/29/95	1446	301-304	70	KO	1155	49'-7'	42'	12 - 12A	NMB
9/29/95	1450	302-304	70	TT	295	0'-22'	22'	12 - 12A	NMB
9/29/95	1455	303-304	70	TT	295	105'-90'	15'	12 - 12A	NMB
9/29/95	1500	304-305	70	KO	1155	90'-0'	90'	12 - 12A	NMB
9/29/95	1505	303-305	70	TT	295	0'-22'	22'	12 - 12A	NMB
9/29/95	1508	302-303	70	KC	G133	253'-243'	10'	12 - 12A	NMB
9/29/95	1535	305-306	70	KO	1155	63'-0'	63'	12 - 12A	NMB
9/30/95	750	303-307	65	KO	1155	134'-91'	43'	12A - 11	NMB
9/30/95	750	303-307	65	TT	295	288'-252'	36'	12A - 11	NMB
9/30/95	800	305-307	65	KO	1155	91'-63'	28'	12A - 11	NMB
9/30/95	800	303-307	65	VS	G274	144'-134'	10'	12A - 11	NMB
9/30/95	805	303-307	65	TT	295	242'-144'	98'	12A - 11	NMB
9/30/95	810	303-307	65	AL	G133	252'-242'	10'	12A - 11	NMB
9/30/95	810	306-307	65	KO	1155	0'-22'	22'	12A - 11	NMB
9/30/95	820	307-308	65	KO	1155	142'-70'	72'	12A - 11	NMB
9/30/95	830	307-308	65	VS	G274	155'-142'	13'	12A - 11	NMB
9/30/95	830	307-308	65	AL	G133	364'-253'	11'	12A - 11	NMB
9/30/95	840	306-308	65	KO	1155	70'-0'	70'	12A - 11	NMB
9/30/95	845	307-308	65	TT	295	308'-264'	44'	12A - 11	NMB
9/30/95	858	308-310	65	TT	295	318'-270'	48'	12A - 11	NMB
9/30/95	905	307-308	65	TT	295	253'-155'	98'	12A - 11	NMB
9/30/95	905	308-310	65	KO	1155	146'-20'	126'	12A - 11	NMB

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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
9/30/95	906	308-310	65	AL	G133	260'-270'	10'	12A - 11	NMB
9/30/95	915	308-310	65	TT	295	260'-156'	104'	12A - 11	NMB
9/30/95	915	310-311	65	VS	G274	158'-147'	11'	12A - 11	NMB
9/30/95	948	309-310	65	KO	1155	0'-22'	22'	12A - 11	NMB
9/30/95	950	308-310	65	VS	G274	156'-146'	10'	12A - 11	NMB
9/30/95	1000	308-309	65	KO	1155	20'-0'	20'	12A - 11	NMB
9/30/95	1000	310-311	65	TT	295	327'-276'	51'	12A - 11	NMB
9/30/95	1005	310-311	65	KO	1155	147'-73'	74'	12A - 11	NMB
9/30/95	1015	310-311	65	TT	295	266'-158'	108'	12A - 11	NMB
9/30/95	1020	311-312	65	KO	1155	0'-22'	22'	12A - 11	NMB
9/30/95	1020	311-313	65	AL	G133	283'-273'	10'	12A - 11	NMB
9/30/95	1030	310-311	65	AL	G133	276'-266'	10'	12A - 11	NMB
9/30/95	1030	310-312	65	KO	1155	73'-27'	46'	12A - 11	NMB
9/30/95	1030	311-313	65	TT	295	337'-283'	54'	12A - 11	NMB
9/30/95	1040	311-313	65	TT	295	273'-166'	107'	12A - 11	NMB
9/30/95	1042	313-314	65	TT	295	285'-173'	112'	12A - 11	NMB
9/30/95	1045	309-312	65	KO	1155	27'-0'	27'	12A - 11	NMB
9/30/95	1055	311-313	65	KO	1155	154'-70'	84'	12A - 11	NMB
9/30/95	1110	311-313	65	VS	G274	166'-154'	12'	12A - 11	NMB
9/30/95	1115	312-313	65	KO	1155	70'-0'	70'	12A - 11	NMB
9/30/95	1130	313-314	65	KO	1155	150'-65'	85'	12A - 11	NMB
9/30/95	1250	313-314	67	TT	295	354'-295'	59'	12A - 11	NMB
9/30/95	1255	313-314	67	KO	1155	46'-0'	46'	12A - 11	NMB
9/30/95	1300	313-314	67	AL	G133	295'-285'	10'	12A - 11	NMB
9/30/95	1300	313-314	67	CS	G205	65'-46'	19'	12A - 11	NMB
9/30/95	1310	313-314	67	VS	G274	173'-150	23'	12A - 11	NMB
9/30/95	1400	314-315	68	KO	1155	161'-59'	102'	12A - 11	NMB
9/30/95	1403	314-315	68	TT	295	283'-173'	110'	12A - 11	NMB
9/30/95	1405	314-315	68	CS	G205	59'-47'	12'	12A - 11	NMB
9/30/95	1422	314-315	68	KO	1155	47'-0'	47'	12A - 11	NMB
9/30/95	1425	314-315	68	VS	G274	173'-161'	12'	12A - 11	NMB
9/30/95	1430	314-315	68	TT	295	356'-293'	63'	12A - 11	NMB
9/30/95	1435	314-315	68	AL	G133	293'-283'	10'	12A - 11	NMB
10/2/95	815	315-316	68	KO	1155	0'-47'	47'	11A - 11	WJH
10/2/95	815	315-316	68	VS	G274	163'-176'	13'	11A - 11	WJH
10/2/95	815	315-316	68	CS	G205	47'-60'	13'	11A - 11	WJH
10/2/95	840	315-316	68	TT	295	295'-362'	67'	11A - 11	WJH
10/2/95	845	315-316	68	KO	1155	60'-163'	103'	11A - 11	WJH
10/2/95	855	315-316	68	TT	295	176'-285'	109'	11A - 11	WJH
10/2/95	925	315-316	70	AL	G133	285'-295'	10'	11A - 11	WJH
10/2/95	1040	316-317	78	TT	295	308'-373'	65'	11A - 11	WJH
10/2/95	1050	317-318	78	KO	1155	74'-182'	108'	11A - 11	WJH
10/2/95	1100	317-319	74	TT	295	255'-291'	36'	11A - 11	WJH
10/2/95	1110	317-318	78	TT	295	194'-255'	61'	11A - 11	WJH
10/2/95	1115	317-320	78	KO	1155	0'-32'	32'	11A - 11	WJH
10/2/95	1120	317-318	78	KO	1155	32'-60'	28'	11A - 11	WJH
10/2/95	1125	316-319	78	TT	295	250'-291'	41'	11A - 11	WJH
10/2/95	1125	318-321	78	KO	1155	31'-60'	29'	11A - 11	WJH
10/2/95	1130	318-320	79	KO	1155	0'-21'	21'	11A - 11	WJH
10/2/95	1130	320-321	78	KO	1155	0'-31'	31'	11A - 11	WJH
10/2/95	1131	316-318	78	TT	295	186'-250'	64'	11A - 11	WJH
10/2/95	1131	318-319	78	TT	295	0'-6'	6'	11A - 11	WJH
10/2/95	1135	316-321	78	KO	1155	31'-54'	23'	11A - 11	WJH
10/2/95	1140	317-318	78	VS	G274	182'-194'	12'	11A - 11	WJH
10/2/95	1140	321-322	78	KO	1155	0'-31'	31'	11A - 11	WJH
10/2/95	1258	316-318	84	TT	295	141'-172'	31'	11A - 11	WJH
10/2/95	1300	316-318	84	VS	G274	172'-183'	11'	11A - 11	WJH
10/2/95	1300	316-321	82	CS	G205	54'-75'	10'	11A - 11	WJH
10/2/95	1300	316-322	80	KO	1155	0'-31'	31'	11A - 11	WJH
10/2/95	1300	318-321	82	CS	G205	60'-72'	12'	11A - 11	WJH

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/2/95	1308	318-321	84	TT	295	72'-147'	75'	11A - 11	WJH
10/2/95	1327	316-321	84	TT	295	75'-141'	66'	11A - 11	WJH
10/2/95	1330	317-318	82	CS	G205	60'-74'	14'	11A - 11	WJH
10/2/95	1400	316-317	84	AL	G133	291'-308'	17'	11A - 11	WJH
10/2/95	1500	317-323	84	VS	G274	188'-198'	14'	11A - 11	WJH
10/2/95	1535	317-323	84	KO	1155	74'-188'	114'	11A - 11	WJH
10/2/95	1545	317-323	84	KO	1155	0'-64'	64'	11A - 11	WJH
10/2/95	1545	317-323	84	KO	1155	198'-299'	101'	11A - 11	WJH
10/2/95	1600	317-323	84	AL	G133	299'-310'	11'	11A - 11	WJH
10/2/95	1600	317-323	84	TT	295	310'-375'	65'	11A - 11	WJH
10/2/95	1600	317-323	84	CS	G205	64'-74'	10'	11A - 11	WJH
10/3/95	915	323-324	78	KO	1155	76'-191'	115'	11A - 11	WJH
10/3/95	945	323-324	78	KC	G133	304'-316'	12'	11A - 11	WJH
10/3/95	952	323-324	78	TT	295	205'-304'	99'	11A - 11	WJH
10/3/95	1010	323-324	78	KO	1155	0'-63'	63'	11A - 11	WJH
10/3/95	1025	323-324	78	TT	295	316'-378'	62'	11A - 11	WJH
10/3/95	1030	323-324	78	CS	G205	63'-76'	13'	11A - 11	WJH
10/3/95	1037	323-324	78	VS	G171	191'-205'	14'	11A - 11	WJH
10/3/95	1043	324-325	78	KO	1155	0'-70'	70'	11A - 11	WJH
10/3/95	1050	324-325	80	TT	295	317'-385'	68'	11A - 11	WJH
10/3/95	1105	324-325	82	KO	1155	87'-181'	94'	11A - 11	WJH
10/3/95	1120	324-325	80	TT	295	206'-304'	98'	11A - 11	WJH
10/3/95	1121	324-325	80	KC	G133	304'-317'	13'	11A - 11	WJH
10/3/95	1130	324-325	82	CS	G205	70'-87'	17'	11A - 11	WJH
10/3/95	1300	324-325	82	VS	G171	181'-206'	25'	11A - 11	WJH
10/3/95	1300	325-326	82	CS	G205	68'-85'	17'	11A - 11	WJH
10/3/95	1310	325-326	82	KO	1155	85'-195'	110'	11A - 11	WJH
10/3/95	1323	325-326	82	TT	295	320'-391'	71'	11A - 11	WJH
10/3/95	1325	325-326	82	KO	1155	0'-68'	68'	11A - 11	WJH
10/3/95	1405	326-327	82	KO	1155	84'-192'	108'	11A - 11	WJH
10/3/95	1430	325-326	82	KC	133	310'-320'	10'	11A - 11	WJH
10/3/95	1435	326-327	82	KO	1155	0'-72'	72'	11A - 11	WJH
10/3/95	1443	325-326	82	TT	295	206'-310'	104'	11A - 11	WJH
10/3/95	1450	326-327	82	TT	295	318'-395'	77'	11A - 11	WJH
10/3/95	1510	325-326	82	VS	171	195'-206'	11'	11A - 11	WJH
10/3/95	1530	326-327	82	TT	295	202'-308'	106'	11A - 11	WJH
10/3/95	1530	326-327	82	KC	G133	308'-318'	10'	11A - 11	WJH
10/3/95	1530	326-327	82	CS	G205	72'-84'	12'	11A - 11	WJH
10/3/95	1530	327-328	82	TT	295	200'-306'	106'	11A - 11	WJH
10/3/95	1540	327-328	82	KO	1155	83'-190'	107'	11A - 11	WJH
10/3/95	1545	326-327	82	VS	G171	192'-202'	10'	11A - 11	WJH
10/3/95	1600	327-328	82	KO	1155	0'-72'	72'	11A - 11	WJH
10/3/95	1615	327-328	82	TT	295	316'-400'	84'	11A - 11	WJH
10/3/95	1625	327-328	82	KC	G133	306'-316'	10'	11A - 11	WJH
10/3/95	1700	327-328	82	VS	G171	190'-200'	10'	11A - 11	WJH
10/3/95	1700	327-328	82	CS	G205	72'-83'	11'	11A - 11	WJH
10/4/95	800	328-329	68	KO	1155	0'-70'	70'	11A - 10	WJH
10/4/95	805	328-329	68	VS	G171	189'-205'	16'	11A - 10	WJH
10/4/95	808	328-329	68	TT	295	317'-406'	89'	11A - 10	WJH
10/4/95	820	328-329	68	KO	1155	86'-189'	103'	11A - 10	WJH
10/4/95	830	328-329	68	CS	G205	70'-86'	16'	11A - 10	WJH
10/4/95	850	328-329	68	TT	295	205'-306'	101'	11A - 10	WJH
10/4/95	910	329-330	70	KO	1155	0'-20'	20'	11A - 10	WJH
10/4/95	920	329-331	70	KO	1155	20'-34'	22'	11A - 10	WJH
10/4/95	1135	330-331	70	KO	1155	0'-41'	41'	11A - 10	WJH
10/4/95	1000	330-332	70	KO	1155	41'-54'	13'	11A - 10	WJH
10/4/95	1003	331-332	70	KO	1155	0'-22'	22'	11A - 10	WJH
10/4/95	1030	328-329	70	AL	G198	306'-317'	11'	11A - 10	WJH
10/4/95	1055	329-333	70	AL	G198	299'-310'	11'	11A - 10	NMB
10/4/95	1100	329-333	70	TT	295	406'-310'	96'	11A - 10	NMB

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/4/95	1110	329-333	70	CS	G205	82'-68'	14'	11A - 10	NMB
10/4/95	1110	331-333	70	KO	1155	16'-0'	16'	11A - 10	NMB
10/4/95	1115	329-333	70	VS	G171	183'-196'	13'	11A - 10	NMB
10/4/95	1115	329-333	70	KO	1155	68'-42'	26'	11A - 10	NMB
10/4/95	1120	329-333	70	CS	G205	42'-34'	10'	11A - 10	NMB
10/4/95	1125	329-333	70	KO	1155	82'-183'	101'	11A - 10	NMB
10/4/95	1130	329-333	70	TT	295	196'-299'	103'	11A - 10	NMB
10/9/95	1400	333-334	72	VS	G171	153'-138'	15'	11A - 10	RI
10/9/95	1420	333-334	72	AL	G198	254'-266'	12'	11A - 10	RI
10/9/95	1420	333-334	72	KO	1155	34'-138'	104'	11A - 10	RI
10/9/95	1420	333-334	72	TT	295	366'-266'	100'	11A - 10	RI
10/9/95	1450	333-334	72	TT	295	254'-153'	101'	11A - 10	RI
10/9/95	1500	333-334	72	CS	G205	0'-24'	24'	11A - 10	RI
10/9/95	1530	333-334	72	CS	G205	24'-34'	10'	11A - 10	RI
10/10/95	930	334-336	72	KO	1155	144'-51'	93'	10 - 9	RI
10/10/95	955	334-335	75	KO	1155	51'-25'	26'	10 - 9	RI
10/10/95	1013	334-336	72	TT	295	372'-272'	100'	10 - 9	RI
10/10/95	1020	335-336	72	KO	1155	0'-40'	40'	10 - 9	RI
10/10/95	1030	334-336	72	VS	G171	160'-144'	16'	10 - 9	RI
10/10/95	1040	336-337	72	KO	1155	0'-65'	65'	10 - 9	RI
10/10/95	1042	334-336	72	TT	295	260'-160'	100'	10 - 9	RI
10/10/95	1050	334-336	72	AL	G198	272'-260'	12'	10 - 9	RI
10/10/95	1050	337-338	72	KO	1155	0'-25'	25'	10 - 9	RI
10/10/95	1100	336-337	72	VS	G171	65'-75'	10'	10 - 9	RI
10/10/95	1103	336-337	72	TT	295	75'-174'	99'	10 - 9	RI
10/10/95	1110	336-337	72	AL	G198	174'-187'	13'	10 - 9	RI
10/10/95	1115	338-335	72	KO	1155	79'-118'	337'	10 - 9	RI
10/10/95	1120	337-335	72	KO	1155	40'-79'	39'	10 - 9	RI
10/10/95	1120	337-339	72	TT	295	145'-44'	101'	10 - 9	RI
10/10/95	1135	334-335	72	CS	G205	25'-12'	13'	10 - 9	RI
10/10/95	1135	339-338	72	KO	1155	0'-23'	23'	10 - 9	RI
10/10/95	1240	336-337	72	TT	295	187'-292'	105'	10 - 9	RI
10/10/95	1300	337-339	72	AL	G198	157'-145'	12'	10 - 9	RI
10/10/95	1300	337-339	72	VS	G171	44'-33'	11'	10 - 9	RI
10/10/95	1302	337-339	72	TT	295	267'-157'	110'	10 - 9	RI
10/10/95	1310	339-340	72	KO	1155	112'-10'	102'	10 - 9	RI
10/10/95	1325	339-340	72	TT	295	243'-128'	115'	10 - 9	RI
10/10/95	1340	341-335	72	KO	1155	165'-240'	75'	10 - 9	RI
10/10/95	1345	339-340	72	AL	G198	128'-112'	16'	10 - 9	RI
10/10/95	1355	335-340	72	KO	1155	129'-165'	36'	10 - 9	RI
10/10/95	1400	341-335	72	TT	295	346'-251'	95'	10 - 9	RI
10/10/95	1405	340-341	72	KO	1155	0'-45'	45'	10 - 9	RI
10/10/95	1430	335-341	72	VS	G171	360'-346'	14'	10 - 9	RI
10/10/95	1450	340-342	72	KO	1155	45'-72'	27'	10 - 9	RI
10/10/95	1450	340-343	72	TT	295	207'-86'	121'	10 - 9	RI
10/10/95	1500	337-339	72	CS	G205	33'-25'	8'	10 - 9	RI
10/10/95	1500	342-341	72	KO	1155	0'-29'	29'	10 - 9	RI
10/10/95	1520	343-344	72	TT	295	125'-96'	29'	10 - 9	RI
10/10/95	1520	343-344	72	KO	1155	84'-0'	84'	10 - 9	RI
10/10/95	1525	344-345	72	TT	295	96'-58'	38'	10 - 9	RI
10/10/95	1530	344-345	72	TT	295	0'-45'	45'	10 - 9	RI
10/10/95	1535	344-341	72	KO	1155	46'-99'	53'	10 - 9	RI
10/10/95	1600	341-345	72	KO	1155	114'-99'	15'	9A - 9	NMB
10/10/95	1600	343-340	72	AL	G198	78'-86'	8'	10 - 9	RI
10/10/95	1604	345-347	72	TT	295	55'-32'	23'	10 - 9	RI
10/10/95	1605	345-346	72	TT	295	17'-32'	15'	10 - 9	RI
10/10/95	1610	340-342	72	AL	G198	72'-78'	6'	9A - 9	NMB
10/10/95	1610	341-346	72	TT	295	153'-180'	27'	10 - 9	RI
10/10/95	1615	339-340	72	CS	G205	0'-10'	10'	10-9	RI
10/10/95	1615	347-346	72	TT	295	0'-19'	19'	10 - 9	RI

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10/10/95	1620	335-340	72	CS	G205	118'-129'	13'	10-9	RI
10/10/95	1620	341-342	72	AL	G198	29'-37'	8'	9A - 9	NMB
10/10/95	1620	343-342	72	AL	G198	0'-17'	17'	10 - 9	RI
10/10/95	1630	348-341	72	TT	295	180'-205'	16'	10 - 9	RI
10/10/95	1635	341-343	72	AL	G198	37'-46'	9'	9A - 9	NMB
10/10/95	1640	343-344	72	VS	G171	84'-96'	12'PATCH	10 - 9	RI
10/10/95	1645	347-348	72	TT	295	16'-0'	16'	9A - 9	NMB
10/10/95	1650	335-349	72	VS	G171	419'-405'	14'	9A - 9	NMB
10/10/95	1650	341-335	72	AL	G198	240'-251'	11'	10 - 9	RI
10/10/95	1655	335-349	72	KO	1155	295'-185'	110'	10 - 9	RI
10/10/95	1700	335-349	72	CS	G205	12'-36'	24'	9A - 9	NMB
10/10/95	1700	335-349	72	AL	G198	310'-295'	15'	9A - 9	NMB
10/10/95	1705	335-349	72	TT	295	458'-419	39'	9A - 9	NMB
10/10/95	1710	335-349	70	KO	G205	171'-185'	14'	10-9	RI
10/10/95	1715	345-344	72	VS	G171	58'-45'	13'	10 - 9	RI
10/10/95	1723	335-349	72	TT	295	405'-310'	95'	9A - 9	NMB
10/10/95	1725	339-335	72	KO	1155	36'-171'	135'	10-9	RII
10/10/95	1730	341-335	72	TT	295	393'-360'	33'	10 - 9	RI
10/10/95	1745	331-R2764	72	KO	1155	0'-16'	16'	9A - 9	NMB
10/10/95	1745	349-334	72	CS	G205	12'-0'	12'	10-9	RI
10/10/95	1750	346-347	72	VS	G171	16'-19'	3' PATCH	9A - 9	NMB
10/10/95	1800	331-333	72	CS	G205	16'-21'	5' PATCH	9A - 9	NMB
10/10/95	1800	334-R2764	72	KO	1155	0'-16'	16'	9A - 9	NMB
10/10/95	1800	341-346	72	VS	G171	134'-153'	19'	9A - 9	NMB
10/10/95	1800	345-346	72	VS	G171	0'-17'	17'	10 - 9	RI
10/11/95	1000	332-349	70	CS	G205	0'-18'	18'	10-9	RI
10/11/95	1030	341-345	68	VS	G171	134'-114'	20'	9A - 9	NMB
10/11/95	1330	349-350	72	KO	1155	40'-174'	134'	9A - 9	RI
10/11/95	1410	349-350	72	CS	295	426'-467'	41'	9A - 9	RI
10/11/95	1415	349-350	72	VS	G171	410'-426'	16'	9A - 9	RI
10/11/95	1430	349-350	72	KO	1155	189'-293'	104'	9A - 9	RI
10/11/95	1440	349-350	72	CS	295	308'-410'	102'	9A - 9	RI
10/11/95	1450	349-350	72	KC	G198	293'-308'	15'	9A - 9	RI
10/11/95	1510	349-350	72	CS	G205	174'-189'	15'	9A - 9	RI
10/12/95	835	350-351	70	KO	1155	45'-82'	37'	9 - 8	RI
10/12/95	908	350-352	70	KO	1155	128'-82'	46'	9 - 8	RI
10/12/95	910	351-365	70	KO	1155	453'-348'	105'	9 - 8	RI
10/12/95	915	352-351	70	KO	1155	0'-37'	37'	9 - 8	RI
10/12/95	925	350-352	70	CS	295	425'-378'	47'	9 - 8	RI
10/12/95	930	350-352	70	VS	G205	378'-365'	13'	9 - 8	RI
10/12/95	945	350-352	70	CS	295	365'-262'	103'	9 - 8	RI
10/12/95	1015	350-352	70	KO	1155	248'-143'	105'	9 - 8	RI
10/12/95	1020	350-352	70	KC	G198	262'-248'	14'	9 - 8	RI
10/12/95	1030	350-352	70	VS	G171	143'-128'	15'	9 - 8	RI
10/12/95	1035	352-354	70	CS	295	248'-144'	104'	9 - 8	RI
10/12/95	1050	252-254	70	KO	1155	132'-25'	110'	9 - 8	RI
10/12/95	1100	352-354	70	CS	295	315'-262'	53'	9 - 8	RI
10/12/95	1110	354-355	70	CS	295	210'-110'	100'	9 - 8	RI
10/12/95	1115	354-355	70	KO	1155	95'-0'	95'	9 - 8	RI
10/12/95	1130	352-354	70	KC	G198	144'-132'	12'	9 - 8	RI
10/12/95	1130	354-355	70	CS	295	279'-223'	56'	9 - 8	RI
10/12/95	1133	355-351	70	KO	1155	75'-115'	40'	9 - 8	RI
10/12/95	1140	354'-351	70	KO	1155	60'-75'	5'	9 - 8	RI
10/12/95	1145	354-355	70	KC	G198	95'-110'	15'	9 - 8	NMB
10/12/95	1230	352-354	70	SK	G205	262'-248'	14'	9 - 8	RI
10/12/95	1310	355-356	70	CS	295	188'-246'	58'	9 - 8	RI
10/12/95	1315	355-356	70	KO	1155	0'-58'	58'	9 - 8	RI
10/12/95	1330	355-356	70	CS	295	72'-172'	100'	9 - 8	RI
10/12/95	1340	354-355	70	SK	G205	223'-210'	13'	9 - 8	RI
10/12/95	1430	357-351	70	KO	1155	179'-155'	24'	9 - 8	RI

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10/12/95	1440	356-357	70	KO	1155	23'-0'	23'	9 - 8	RI
10/12/95	1445	355-356	70	KC	G198	58'-72'	14'	9 - 8	RI
10/12/95	1445	356-358	70	CS	295	134'-37'	97'	9 - 8	RI
10/12/95	1455	356-358	70	CS	295	213'-149'	64'	9 - 8	RI
10/12/95	1515	354-351	70	VS	G171	53'-60'	7'	9 - 8	RI
10/12/95	1515	355-356	70	SK	G205	172'-188'	16'	9 - 8	RI
10/12/95	1515	356-358	70	KC	G198	37'-29'	8'	9 - 8	RI
10/12/95	1515	358-359	70	KO	1155	95'-3'	92'	9 - 8	RI
10/12/95	1520	353-354	70	VS	G171	0'-10'	10'	9 - 8	RI
10/12/95	1530	358-359	70	CS	295	178'-110'	68'	9 - 8	RI
10/12/95	1545	356-358	70	SK	G205	149'-134'	15'	9 - 8	RI
10/12/95	1552	359-360	70	CS	295	145'-73'	72'	9 - 8	RI
10/12/95	1600	353-351	70	VS	G171	37'-53'	16'	9 - 8	RI
10/12/95	1600	359-360	70	KO	1155	58'-0'	58'	9 - 8	RI
10/12/95	1605	351-362	70	SK	G205	305'-297'	8'	9 - 8	RI
10/12/95	1613	360-351	70	KO	1155	277'-238'	39'	9 - 8	RI
10/12/95	1620	358-359	70	SK	G205	110'-95'	14'	9 - 8	RI
10/12/95	1630	351-356	70	KO	1155	155'-115'	40'	9 - 8	NMB
10/12/95	1630	352-354	70	VS	G171	18'-25'	7'	9 - 8	NMB
10/12/95	1630	361-351	70	CS	295	409'-311'	98'	9 - 8	RI
10/12/95	1635	359-351	70	KO	1155	238'-208'	30'	9 - 8	RI
10/12/95	1645	352-353	70	VS	G171	18'-0'	18'	9 - 8	RI
10/12/95	1645	359-360	70	SK	G205	73'-58'	15'	9 - 8	RI
10/12/95	1650	360-363	70	CS	295	111'-42'	69'	9 - 8	RI
10/12/95	1700	357-358	70	KC	G198	0'-17'	17'	9 - 8	NMB
10/12/95	1700	362-361	70	SK	G205	0'-15'	15'	9 - 8	RI
10/12/95	1705	363-361	70	CS	295	40'-0'	40'	9 - 8	RI
10/12/95	1710	357-351	70	KC	G198	185'-179'	6'	9 - 8	RI
10/12/95	1710	360-362	70	CS	295	0'-20'	20'	9 - 8	RI
10/12/95	1715	351-358	70	KC	G198	197'-185'	12'	9 - 8	RI
10/12/95	1715	356-357	70	KC	G198	29'-23'	6'	9 - 8	RI
10/12/95	1715	360-362	70	SK	G205	27'-20'	7'	9 - 8	RI
10/12/95	1720	358-359	70	KC	G198	3'-0'	3'	9 - 8	RI
10/12/95	1720	362-351	70	CS	295	297'-277'	20'	9 - 8	RI
10/12/95	1730	364-361	70	CS	295	72'-40'	32'	9 - 8	RI
10/12/95	1739	363-364	70	CS	295	34'-0'	34'	9 - 8	RI
10/12/95	1755	359-351	70	KC	G198	208'-197'	11'	9 - 8	RI
10/12/95	1800	361-351	70	SK	G205	305'-311'	6'	9 - 8	RI
10/13/95	850	351-365	80	CS	295	89'-0'	89'	9 - 8	RI
10/13/95	859	350-365	80	CS	295	9'-45'	36'	9 - 8	RI
10/13/95	928	351-365	80	CS	295	215'-101'	14'	9 - 8	RI
10/13/95	940	351-365	80	KO	1155	335'-236'	99'	9 - 8	RI
10/13/95	1000	351-365	80	VS	G171	101'-89'	12'	9 - 8	RI
10/13/95	1000	351-365	80	SK	G205	348'-335'	13'	9 - 8	RI
10/13/95	1525	365-367	70	KO	1155	361'-302'	59'	8 - 7	RI
10/13/95	1545	351-365	80	KC	G198	236'-215'	21'	9 - 8	RI
10/13/95	1545	365-366	70	CS	295	302'-255'	47'	8 - 7	RI
10/13/95	1553	367-366	70	CS	295	51'-0'	51'	8 - 7	RI
10/13/95	1555	368-366	70	KO	1155	192'-73'	119'	8 - 7	RI
10/13/95	1600	368-366	70	KC	G198	73'-51'	22'	8 - 7	RI
10/13/95	1606	368-367	70	CS	295	0'-19'	19'	8 - 7	RI
10/13/95	1630	369-368	70	KO	1155	128'-0'	128'	8 - 7	RI
10/13/95	1640	365-370	70	CS	295	500'-445'	55'	8 - 7	RI
10/13/95	1700	365-369	70	CS	295	445'-380'	65'	8 - 7	RI
10/13/95	1700	370-369	70	KO	1155	0'-66'	66'	8 - 7	RI
10/13/95	1710	360-361	70	SK	G205	42'-27'	15'	9 - 8	RI
10/13/95	1750	365-368	70	KC	G198	361'-380'	19'	8 - 7	RI
10/14/95	830	366-371	70	CS	295	136'-29'	107'	8 - 7	RI
10/14/95	835	366-371	70	KO	1155	150'-265'	115'	8 - 7	RI
10/14/95	900	366-365	70	VS	G171	255'-248'	7'	8 - 7	RI

Notes:
(1) "G" indicates extrusion welding unit

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/14/95	900	366-371	70	KC	G198	136'-150'	14'	8 - 7	RI
10/14/95	910	372-366	70	VS	G171	0'-5'	5'	8 - 7	RI
10/14/95	920	365-371	70	CS	295	225'-150'	75'	8 - 7	RI
10/14/95	920	366-371	70	VS	G171	23'-29'	6'	8 - 7	RI
10/14/95	945	371-373	70	KO	1155	334'-221'	113'	8 - 7	RI
10/14/95	1000	371-373	70	CS	295	88'-0'	88'	8 - 7	RI
10/14/95	1010	365-373	70	CS	295	128'-150'	22'	8 - 7	RI
10/14/95	1010	372-371	70	VS	G171	0'-23'	23'	8 - 7	RI
10/14/95	1015	371-373	70	KO	1155	206'-102'	104'	8 - 7	RI
10/14/95	1030	372-365	70	VS	G171	248'-225'	23'	8 - 7	RI
10/14/95	1045	371-373	70	KC	G198	221'-206'	15'	8 - 7	RI
10/14/95	1059	365-373	70	CS	295	86'-117'	31'	8 - 7	RI
10/14/95	1110	373-374	60	CS	205	50'-36'	14'	8 - 7	RI
10/14/95	1120	373-374	60	KC	G198	175'-162'	13'	8 - 7	RI
10/14/95	1243	365-374	60	CS	295	86'-11'	75'	8 - 7	RI
10/14/95	1245	365-374	72	CS	295	86'-11'	75'	8 - 7	RI
10/14/95	1254	373-374	60	KO	1155	276'-175'	101'	8 - 7	RI
10/14/95	1300	373-374	60	CS	295	36'-0'	36'	8 - 7	RI
10/14/95	1310	350-375	60	CS	295	0'-16'	16'	8 - 7	RI
10/14/95	1325	373-374	60	CS	295	162'-50	112'	8 - 7	RI
10/14/95	1330	373-374	60	KO	1155	411'-295'	115'	8 - 7	RI
10/14/95	1355	349-375	60	CS	295	16'-40'	24'	8 - 7	RI
10/14/95	1400	373-374	60	KC	G198	295'-276'	19'	8 - 7	RI
10/14/95	1430	365-373	70	VS	G171	117'-128'	11'	8 - 7	RI
10/16/95	1245	371-373	60	KC	G133	102'-88'	14'	8 - 7	RI
10/16/95	1450	374-376	60	CS	295	0'-22'	22'	8 - 7	RI
10/16/95	1455	376-377	60	KO	1155	0'-22'	22'	8 - 7	RI
10/16/95	1500	377-378	60	KO	1155	0'-22	22'	8 - 7	RI
10/16/95	1510	378-379	60	KO	1155	0'-22'	22'	8 - 7	RI
10/16/95	1525	379-380	60	KO	1155	0'-22'	22'	8 - 7	RI
10/16/95	1632	381-384	60	KO	1155	0'-28'	28'	8 - 7	RI
10/16/95	1633	380-381	60	KO	1155	0'-18'	18'	8 - 7	RI
10/16/95	1635	383-384	60	CS	295	126'-146'	20'	8 - 7	RI
10/16/95	1640	379-381	60	KO	1155	18'-37'	19'	8 - 7	RI
10/16/95	1645	382-384	60	KO	1155	28'-126'	98'	8 - 7	RI
10/16/95	1648	381-382	60	KO	1155	0'-22'	22'	8 - 7	RI
10/16/95	1650	377-382	60	CS	295	79'-135'	56'	8 - 7	RI
10/16/95	1652	184-385	60	CS	295	0'-18'	18'	8 - 7	RI
10/16/95	1653	379-382	60	KO	1155	37'-53'	16'	8 - 7	RI
10/16/95	1655	383-385	60	CS	295	146'-167'	21'	8 - 7	RI
10/16/95	1700	382-383	60	CS	295	0'-22'	22'	8 - 7	RI
10/16/95	1704	383-386	60	CS	295	0'-22'	22'	8 - 7	RI
10/16/95	1705	378-382	60	KO	1155	53'-79'	26'	8 - 7	RI
10/16/95	1707	376-383	60	CS	295	135'-176'	39'	8 - 7	RI
10/16/95	1711	376-386	60	CS	295	176'-181'	5'	8 - 7	RI
10/16/95	1715	374-386	60	CS	295	0-22	22'	8 - 7	RI
10/16/95	1733	385-387	60	CS	295	0'-19'	19'	8 - 7	RI
10/16/95	1735	374-373	60	KO	1155	411'-432'	21'	8 - 7	RI
10/16/95	1742	386-387	60	CS	295	167'-178'	11'	8 - 7	RI
10/16/95	1745	371-373	60	KO	1155	340'-350'	10'	8 - 7	RI
10/16/95	1750	373-388	60	KO	1155	0'-22'	22'	8 - 7	RI
10/16/95	1750	374-387	60	CS	295	178'-200'	22'	8 - 7	RI
10/16/95	1800	374-388	60	CS	295	432'-445'	13'	8 - 7	RI
10/16/95	1806	387-388	60	CS	295	445'-460'	15'	8 - 7	RI
10/17/95	740	388-389	46	CS	295	379'-350'	29'	8A - 8	NMB
10/17/95	743	366-390	46	KO	1155	0'-22'	22'	8A - 8	NMB
10/17/95	745	371-389	46	CS	295	0'-22'	22'	8A - 8	NMB
10/17/95	745	390-391	46	KO	1155	252'-211'	41'	8A - 8	NMB
10/17/95	750	389-390	46	CS	295	309'-286'	23'	8A - 8	NMB
10/17/95	753	368-391	46	KO	1155	0'-22'	22'	8A - 8	NMB

Notes:
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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/17/95	807	366-371	46	KO	1155	268'-286'	18'	8A - 8	NMB
10/17/95	809	388-392	46	CS	295	388'-379'	9'	8A - 8	NMB
10/17/95	816	389-392	46	CS	295	0'-22'	22'	8A - 8	NMB
10/17/95	823	390-392	46	CS	295	324'-309'	15'	8A - 8	NMB
10/17/95	835	366-368	46	AL	G133	196'-204'	8'	8A - 8	NMB
10/17/95	850	366-391	46	AL	G133	204'-211'	7'	8A - 8	NMB
10/17/95	1040	391-393	47	CS	295	185'-135'	50'	9 - 8A	NMB
10/17/95	1050	368-369	47	AL	G133	128'-135'	7'	9 - 8A	NMB
10/17/95	1055	369-393	47	CS	295	0'-22'	22'	9 - 8A	NMB
10/17/95	1100	394-395	47	KO	1155	545'-507'	38'	9 - 8A	NMB
10/17/95	1113	394-396	47	CS	295	23'-0'	23'	9 - 8A	NMB
10/17/95	1115	370-394	47	VS	G171	0'-21'	21'	9 - 8A	NMB
10/17/95	1120	365-395	47	KO	1155	0'-22	22'	9 - 8A	NMB
10/17/95	1125	393-396	47	CS	295	91'-65'	26'	9 - 8A	NMB
10/17/95	1130	365-370	47	AL	G133	500'-507'	7'	9 - 8A	NMB
10/17/95	1140	393-397	47	CS	295	108'-91'	17'	9 - 8A	NMB
10/17/95	1145	396-397	47	CS	295	0'-10'	10'	9 - 8A	NMB
10/17/95	1150	394-397	47	CS	295	32'-23'	9'	9 - 8A	NMB
10/17/95	1155	369-394	47	VS	G171	58'-65'	7'	9 - 8A	NMB
10/18/95	840	375-398	60	KO	1155	0'-30'	30'	8 - 7	RI
10/18/95	900	374-398	60	KO	1155	121'-21'	100'	8 - 7	RI
10/18/95	900	374-398	60	KC	G133	134'-121'	13'	8 - 7	RI
10/18/95	910	374-398	60	CS	295	468'-371'	97'	8 - 7	RI
10/18/95	1015	374-398	60	SK	G205	258'-242'	16'	8 - 7	RI
10/18/95	1015	374-398	60	CS	295	353'-258'	95'	8 - 7	RI
10/18/95	1018	398-399	60	KO	1155	287'-177'	110'	8 - 7	RI
10/18/95	1035	398-399	60	KO	1155	163'-22'	92'	8 - 7	RI
10/18/95	1035	398-399	60	CS	295	395'-303'	92'	8 - 7	RI
10/18/95	1045	374-398	60	AL	G171	371'-353'	18'	8 - 7	RI
10/18/95	1100	389-399	60	KC	G133	177'-163'	14'	8 - 7	RI
10/18/95	1100	398-399	60	SK	G205	303'-287'	16'	8 - 7	RI
10/18/95	1105	398-399	60	CS	295	512'-409'	103'	8 - 7	RI
10/18/95	1120	374-398	60	KO	1155	242'-134'	108'	8 - 7	RI
10/18/95	1125	398-399	60	AL	G171	409'-395'	14'	8 - 7	RI
10/18/95	1130	339-400	60	SK	G205	305'-293'	12'	8 - 7	RI
10/18/95	1250	399-400	60	CS	295	510'-408'	102'	8 - 7	RI
10/18/95	1259	399-400	60	CS	295	395'-305'	90'	8 - 7	RI
10/18/95	1305	399-400	60	KO	1155	293'-177'	116'	8 - 7	RI
10/18/95	1320	376-399	60	CS	295	22'-43	21'	8 - 7	RI
10/18/95	1323	399-377	60	CS	295	43'-45'	2'	8 - 7	RI
10/18/95	1325	376-398	60	CS	295	0'-22'	22'	8 - 7	RI
10/18/95	1347	377-400	60	CS	295	45'-68'	23'	8 - 7	RI
10/18/95	1400	365-398	60	KC	G133	11'-0'	11'	8 - 7	RI
10/18/95	1420	399-400	60	AL	G171	408'-395'	13'	8 - 7	RI
10/18/95	1423	399-401	60	KO	1155	163'-112'	51'	8 - 7	RI
10/18/95	1445	405-402	60	AL	G171	283'-296'	13'	8 - 7	RI
10/18/95	1448	401-402	60	KO	1155	0'-50'	50'	8 - 7	RI
10/18/95	1505	399-402	60	KO	1155	16'-112'	96'	8 - 7	RI
10/18/95	1515	400-403	60	CS	295	164'-262'	98'	8 - 7	RI
10/18/95	1530	400-403	60	AL	G171	150'-164'	14'	8 - 7	RI
10/18/95	1540	400-403	60	CS	295	60'-150'	90'	8 - 7	RI
10/18/95	1547	404-402	60	KO	1155	131'-178'	47'	8 - 7	RI
10/18/95	1600	399-400	60	KC	G133	177'-170'	7'	8 - 7	RI
10/18/95	1603	400-404	60	KO	1155	0'-47'	47'	8 - 7	RI
10/18/95	1605	403-402	60	CS	295	191'-250'	59'	8 - 7	RI
10/18/95	1618	400-402	60	KO	1155	64'-131'	67'	8 - 7	RI
10/18/95	1620	403-405	60	AL	G171	33'-48'	15'	8 - 7	RI
10/18/95	1623	403-405	60	CS	295	0'-33'	33'	8 - 7	RI
10/18/95	1630	401-400	60	KC	G133	0'-8'	8'	8 - 7	RI
10/18/95	1630	404-403	60	SK	G205	0'-11'	11'	8 - 7	RI

Notes:
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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/18/95	1630	405-402	60	CS	295	250'-283'	33'	8 - 7	RI
10/18/95	1640	403-405	60	CS	295	48'-143'	95'	8 - 7	RI
10/18/95	1645	400-403	60	SK	G205	60'-54'	6'PATCH	8 - 7	RI
10/18/95	1707	405-402	60	CS	295	296'-362'	66'	8 - 7	RI
10/18/95	1710	401-402	60	KC	G133	50'-57'	7'	8 - 7	RI
10/18/95	1715	400-402	60	KC	G133	57'-64'	7'	8 - 7	RI
10/18/95	1720	400-404	60	SK	G205	54'-47'	7'	8 - 7	RI
10/18/95	1720	404-402	60	SK	G205	178'-185'	7'	8 - 7	RI
10/18/95	1725	405-406	60	CS	295	0'-25'	25'	8 - 7	RI
10/18/95	1732	406-402	60	CS	295	362'-388'	26'	8 - 7	RI
10/18/95	1740	403-402	60	SK	G205	185'-191'	6'	8 - 7	RI
10/18/95	1745	379-402	60	CS	295	139'-127'	12'	8 - 7	RI
10/18/95	1748	378-402	60	CS	295	127'-117'	10'	8 - 7	RI
10/18/95	1750	399-401	60	KC	G133	170'-163'	7'	8 - 7	RI
10/18/95	1752	406-378	60	CS	295	117'-112'	5'	8 - 7	RI
10/18/95	1755	405-378	60	CS	295	112'-100'	12'	8 - 7	RI
10/18/95	1800	398-365	60	KC	G133	0'-11'	11'	8 - 7	RI
10/18/95	1800	405-377	60	CS	295	100'-89'	11'	8 - 7	RI
10/18/95	1805	398-350	60	KC	G133	0'-8'	8'	8 - 7	RI
10/18/95	1805	403-377	60	CS	295	89'-68'	21'	8 - 7	RI
10/19/95	820	375-399	60	KC	G133	22'-11'	10'	8 - 7	RI
10/19/95	825	410-411	60	CS	295	0'-22'	22'	8 - 7	RI
10/19/95	831	412-411	60	CS	295	0'-18'	18'	8 - 7	RI
10/19/95	836	412-410	60	CS	295	22'-42'	20'	8 - 7	RI
10/19/95	845	349-375	60	KC	G133	16'-11'	5'	8 - 7	RI
10/19/95	852	409-410	60	CS	295	0'-20'	20'	8 - 7	RI
10/19/95	900	349-399	60	KC	G133	11'-0'	11'	8 - 7	RI
10/19/95	900	407-410	60	CS	295	39'-0'	39'	8 - 7	RI
10/19/95	904	399-332	60	KC	G133	0'-8'	8'	8 - 7	RI
10/19/95	915	409-408	60	CS	295	0'-15'	15'	8 - 7	RI
10/19/95	920	407-409	60	CS	295	67'-39'	28'	8 - 7	RI
10/19/95	930	388-408	60	AL	G205	460'-463'	3'	8 - 7	RI
10/19/95	930	408-407	60	CS	295	101'-67'	34'	8 - 7	RI
10/19/95	1015	387-408	60	CS	295	34'-0'	34'	8 - 7	RI
10/19/95	1023	409-388	60	CS	295	62'-42'	20'	8 - 7	RI
10/19/95	1027	392-412	60	CS	295	19'-42	23'	8 - 7	RI
10/19/95	1032	390-411	60	CS	295	0'-12'	12'	8 - 7	RI
10/19/95	1037	391-411	60	CS	295	0'-15'	15'	8 - 7	RI
10/19/95	1142	390-412	60	AL	G205	12'-19'	7'	8 - 7	RI
10/20/95	830	402-413	68	AL	G133	166'-179'	13'	8 - 7	RI
10/20/95	840	402-413	68	CS	295	425'-513'	88'	8 - 7	RI
10/20/95	845	402-413	68	KO	1155	24'-166'	142'	8 - 7	RI
10/20/95	900	402-413	73	AL	G133	406'-425'	19'	8 - 7	RI
10/20/95	915	402-413	73	CS	295	312'-406'	94'	8 - 7	RI
10/20/95	1000	402-413	73	KO	1155	179'-289'	110'	8 - 7	RI
10/20/95	1030	402-413	73	VS	G205	289'-312'	23'	8 - 7	RI
10/20/95	1030	413-379	73	CS	295	139'-161'	22'	8 - 7	RI
10/20/95	1100	402-413	73	SH	G198	24'-15'	9'	8 - 7	RI
10/20/95	1115	339-413	73	SH	G198	15'-0'	15'	8 - 7	RI
10/20/95	1245	413-414	71	KO	1155	393'-278'	115'	8 - 7	RI
10/20/95	1315	413-414	71	KO	1155	265'-133'	132'	8 - 7	RI
10/20/95	1330	413-414	71	AL	G133	529'-511'	18'	8 - 7	RI
10/20/95	1330	413-414	71	CS	295	613'-529'	84'	8 - 7	RI
10/20/95	1400	413-414	71	CS	295	511'-409'	102'	8 - 7	RI
10/20/95	1430	414-380	73	CS	295	161'-183'	22'	8 - 7	RI
10/20/95	1445	413-414	73	SH	G198	133'-112'	18'	8 - 7	RI
10/20/95	1445	413-414	73	VS	G205	409'-393'	16'	8 - 7	RI
10/20/95	1500	413-414	73	KC	G133	265'-278'	13'	8 - 7	RI
10/20/95	1505	327-414	73	KO	1155	0'-16'	16'	8 - 7	RI
10/20/95	1508	328-414	73	KO	1155	16'-39'	23'	8 - 7	RI

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GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/20/95	1510	329-414	73	KO	1155	39'-61'	22'	8 - 7	RI
10/20/95	1520	330-414	73	KO	1155	0'-8'	08'	8 - 7	RI
10/20/95	1600	413-330	73	SH	G198	4'-18'	14'	8 - 7	RI
10/20/95	1610	399-330	73	SH	G198	0'-4'	4'	8 - 7	RI
10/20/95	1620	413-415	73	SH	G198	18'-22'	4'	8 - 7	RI
10/20/95	1625	414-415	73	SH	G198	112'-69'	43'	8 - 7	RI
10/20/95	1630	330-415	73	SH	G198	08'-52'	44'	8 - 7	RI
10/25/95	840	414-416	58	KO	1155	0'-109'	109'	8 - 7	RI
10/25/95	900	414-416	59	KC	G133	247'-260'	13'	8 - 7	RI
10/25/95	900	414-416	59	CS	295	389'-502'	113'	8 - 7	RI
10/25/95	925	414-416	59	KO	1155	121'-247'	126'	8 - 7	RI
10/25/95	1040	414-416	59	KO	1155	260'-373'	113'	8 - 7	RI
10/25/95	1040	414-416	59	CS	295	523'-582'	59'	8 - 7	RI
10/25/95	1100	414-416	59	AL	G171	502'-523'	21'	8 - 7	RI
10/25/95	1100	416-417	59	KC	G133	244'-257'	13'	8 - 7	RI
10/25/95	1105	416-417	59	CS	295	580'-537'	43'	8 - 7	RI
10/25/95	1107	416-417	59	KO	1155	257'-371'	114'	8 - 7	RI
10/25/95	1120	416-417	59	CS	295	385'-514'	129'	8 - 7	RI
10/25/95	1130	414-416	59	SH	G198	109'-121'	12'	8 - 7	RI
10/25/95	1135	416-417	59	KO	1155	244'-123'	121'	8 - 7	RI
10/25/95	1255	416-417	59	KO	1155	107'-0'	107'	8 - 7	RI
10/25/95	1255	416-417	60	SH	G198	107'-123'	16'	8 - 7	RI
10/25/95	1320	414-416	60	VS	G205	373'-389'	16'	8 - 7	RI
10/25/95	1348	417-419	60	KO	1155	111'-0'	111'	7 - 3A	RI
10/25/95	1350	416-417	60	VS	G205	371'-385'	14'	8 - 7	RI
10/25/95	1415	416-417	60	AL	G171	521'-531'	10' CAP	7 - 3A	RI
10/25/95	1430	416-417	60	AL	G171	531'-537'	6'	7 - 3A	RI
10/25/95	1430	417-419	60	CS	295	538'-395'	143'	7 - 3A	RI
10/25/95	1440	417-419	60	KC	G133	264'-246'	18'	7 - 3A	RI
10/25/95	1445	417-419	60	KO	1155	375'-264'	111'	7 - 3A	RI
10/25/95	1500	416-417	60	AL	G171	514'-521'	7'	7 - 3A	RI
10/25/95	1508	417-419	60	KO	1155	246'-124'	122'	7 - 3A	RI
10/25/95	1600	417-419	60	VS	G205	395'-375'	20'	7 - 3A	RI
10/25/95	1600	419-418	60	AL	G171	0'-20'	20'	7 - 3A	RI
10/25/95	1615	417-419	60	SH	G198	124'-111'	13'	7 - 3A	RI
10/25/95	1650	417-418	60	AL	G171	538'-567'	29'	7 - 3A	RI
10/26/95	807	419-420	58	KO	1155	0'-109'	109'	7 - 3A	RI
10/26/95	830	419-420	58	KC	G133	109'-125'	16'	7 - 3A	RI
10/26/95	830	419-420	58	CS	295	255'-364'	109'	7 - 3A	RI
10/26/95	840	419-420	58	KO	1155	125'-236'	111'	7 - 3A	RI
10/26/95	935	419-422	58	CS	295	430'-502'	72'	7 - 3A	RI
10/26/95	1000	419-420	60	VS	G205	236'-244'	8' CAP	7 - 3A	RI
10/26/95	1000	422-420	60	CS	295	58'-120'	62'	7 - 3A	RI
10/26/95	1020	420-423	60	KO	1155	0'-108'	108'	7 - 3A	RI
10/26/95	1025	419-425	58	CS	295	387'-430'	43'	7 - 3A	RI
10/26/95	1030	419-420	58	AL	G171	369'-376'	7' CAP	7 - 3A	RI
10/26/95	1030	420-423	60	KC	G133	108'-121'	13'	7 - 3A	RI
10/26/95	1030	425-420	60	CS	295	0'-58'	58'	7 - 3A	RI
10/26/95	1038	419-421	58	CS	295	502'-536'	34'	7 - 3A	RI
10/26/95	1045	419-420	58	AL	G171	364'-369'	5'	7 - 3A	RI
10/26/95	1045	420-423	60	KO	1155	121'-234'	113'	7 - 3A	RI
10/26/95	1100	419-425	60	AL	G171	376'-387'	12'	7 - 3A	RI
10/26/95	1100	420-423	60	VS	G205	234'-247'	13'	7 - 3A	RI
10/26/95	1100	421-420	60	CS	295	120'-155'	35'	7 - 3A	RI
10/26/95	1105	421-422	58	CS	295	0'-13'	13'	7 - 3A	RI
10/26/95	1120	419-420	60	VS	G205	244'-255'	11'	7 - 3A	RI
10/26/95	1120	420-423	60	CS	295	515'-381'	134'	7 - 3A	RI
10/26/95	1120	423-424	60	KO	1155	17'-77'	60'	7 - 3A	RI
10/26/95	1140	425-422	60	AL	G171	0'-5'	5'	7 - 3A	RI
10/26/95	1145	420-423	60	CS	295	368'-247'	121'	7 - 3A	RI

Notes:
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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/26/95	1255	424-287	60	KO	1155	0'-98'	98'	7 - 3A	RI
10/26/95	1310	423-287	60	KO	1155	0'-17'	17'	7 - 3A	RI
10/26/95	1330	420-423	60	AL	G171	368'-381'	13'	7 - 3A	RI
10/26/95	1355	423-426	60	KO	1155	107'-144'	37'	7 - 3A	RI
10/26/95	1405	428-426	60	KO	1155	0'-63'	63'	7 - 3A	RI
10/26/95	1443	426-429	60	CS	295	208'-311'	103'	7 - 3A	RI
10/26/95	1455	423-428	60	KO	1155	144'-204'	60'	7 - 3A	RI
10/26/95	1505	429-426	60	CS	295	192'-80'	112'	7 - 3A	RI
10/26/95	1510	428-429	60	KO	1155	0'-12'	12'	7 - 3A	RI
10/26/95	1530	423-429	60	KO	1155	226'-268'	42'	7 - 3A	RI
10/26/95	1530	423-430	60	AL	G171	336'-359'	23'	7 - 3A	RI
10/26/95	1530	430-429	60	CS	295	87'-153'	66'	7 - 3A	RI
10/26/95	1535	429-427	60	CS	295	0'-22'	22'	7 - 3A	RI
10/26/95	1555	423-430	60	CS	295	359'-482'	123'	7 - 3A	RI
10/26/95	1555	432-429	60	KO	1155	0'-64'	64'	7 - 3A	RI
10/26/95	1612	423-432	60	KO	1155	268'-336'	68'	7 - 3A	RI
10/26/95	1640	432-430	60	AL	G171	0'-10'	10'	7 - 3A	RI
10/26/95	1655	426-433	60	KO	1155	143'-257'	114'	7 - 3A	RI
10/26/95	1710	433-426	60	CS	295	271'-370'	99'	7 - 3A	RI
10/26/95	1725	430-431	60	CS	295	0'-54'	54'	7 - 3A	RI
10/26/95	1730	426-427	60	CS	295	311'-317'	6'	7 - 3A	RI
10/26/95	1735	426-433	60	KO	1155	127'-24'	103'	7 - 3A	RI
10/26/95	1740	431-427	60	CS	295	188'-205'	17'	7 - 3A	RI
10/26/95	1750	429-431	60	CS	295	153'-184'	31'	7 - 3A	RI
10/26/95	1800	429-431	60	AL	G171	184'-188'	4'	7 - 3A	RI
10/27/95	830	426-433	58	VS	G205	127'-143'	16'	7 - 3A	RI
10/27/95	840	433-287	58	CS	295	451'-359'	92'	7 - 3A	RI
10/27/95	845	429-426	58	VS	G205	63'-80'	17'	7 - 3A	RI
10/27/95	855	433-287	58	KO	1155	221'-117'	104'	7 - 3A	RI
10/27/95	900	430-429	58	AL	G171	64'-87'	23'	7 - 3A	RI
10/27/95	900	433-287	58	KC	G133	107'-117'	10'	7 - 3A	RI
10/27/95	910	433-287	58	KC	G133	107'-98'	9'	7 - 3A	RI
10/27/95	930	423-429	58	VS	G205	204'-226'	22'	7 - 3A	RI
10/27/95	945	429-426	58	AL	G171	192'-208'	16'	7 - 3A	RI
10/27/95	1000	424-433	58	KO	1155	0'-14'	14'	7 - 3A	RI
10/27/95	1000	433-287	58	CS	295	346'-233'	113'	7 - 3A	RI
10/27/95	1010	426-433	58	AL	G171	257'-271'	14'	7 - 3A	RI
10/27/95	1030	433-287	58	VS	G205	221'-233'	12'	7 - 3A	RI
10/27/95	1100	433-287	58	AL	G171	346'-359'	13'	7 - 3A	RI
10/27/95	1400	248-436	60	VS	G205	0'-16'	16'	13A - 13E	RI
10/27/95	1430	435-436	60	CS	295	0'-18'	18'	13A - 13E	RI
10/27/95	1445	8-436	60	CS	295	97'-76'	21'	13A - 13E	RI
10/27/95	1455	9-436	60	CS	295	60'-76'	16'	13A - 13E	RI
10/27/95	1500	426-434	60	KC	G133	0'-16'	16'	7 - 3A	RI
10/27/95	1500	7-436	60	VS	G205	97'-113'	16'	13A - 13E	RI
10/27/95	1515	11-435	60	CS	295	11'-33'	22'	13A - 13E	RI
10/27/95	1515	423-434	60	KC	G133	77'-107'	30'	7 - 3A	RI
10/27/95	1525	10-435	60	CS	295	33'-54'	21'	13A - 13E	RI
10/27/95	1530	424-434	60	KC	G133	14'-24'	10'	7 - 3A	RI
10/27/95	1530	9-435	60	VS	G205	54'-60'	6'	13A - 13E	RI
10/27/95	1545	434-433	60	KC	G133	0'-24'	24'	7 - 3A	RI
10/27/95	1655	12-435	60	CS	295	0'-11'	11'	13A -13E	RI
10/30/95	1420	437-438	54	KO	295	0'-24'	24'	8 - 7	RI
10/30/95	1425	440-437	54	KO	295	24'-32'	8'	8 - 7	RI
10/30/95	1445	438-440	54	KO	295	0'-21'	21'	8 - 7	RI
10/30/95	1500	407-439	54	CS	G205	0'-22'	22'	8 - 7	RI
10/30/95	1505	440-439	54	CS	G205	0'-11'	11'	8 - 7	RI
10/30/95	1505	442-441	54	KO	295	0'-43'	43'	8 - 7	RI
10/30/95	1508	443-442	54	KO	295	0'-18'	18'	8 - 7	RI
10/30/95	1516	443-438	54	KO	295	0'-19'	19'	8 - 7	RI

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
10/30/95	1525	385-439	54	CS	G205	0'-14'	14'	8 - 7	RI
10/30/95	1528	440-441	54	CS	G205	22'-28'	6'	8 - 7	RI
10/30/95	1531	384-441	54	KO	295	14'-101'	87'	8 - 7	RI
10/30/95	1536	443-440	54	CS	G205	19'-22'	3'	8 - 7	RI
10/30/95	1540	441-439	54	CS	G205	28'-44'	16'	8 - 7	RI
10/30/95	1550	440-407	54	CS	G205	11'-22'	10'	8 - 7	RI
10/30/95	1555	443-441	54	CS	G205	43'-50'	7'	8 - 7	RI
10/30/95	1600	439-384	54	CS	G205	44'-48'	4'	8 - 7	RI
10/30/95	1615	437-407	54	CS	G205	22'-39'	17'	8 - 7	RI
10/30/95	1630	384-441	54	CS	G205	0'-14'	14'	8 - 7	RI
11/1/95	850	284-444	54	KC	G133	17'-28'	11' PATC	5 - 4A	RI
11/1/95	850	444-445	54	CS	295	2'-126'	124'	5 - 4A	RI
11/1/95	900	283-444	54	KC	G133	28'-30'	2' PATCH	5 - 4A	RI
11/1/95	900	284-444	54	AL	G205	6'-17'	11'	5 - 4A	RI
11/1/95	905	283-444	54	KC	G133	30'-50'	20'	5 - 4A	RI
11/1/95	910	21-444	54	AL	G205	0'-22'	22'	5 - 4A	RI
11/1/95	915	20-444	54	AL	G205	0'-6'	6'	5 - 4A	RI
11/1/95	930	282-444	54	KC	G133	50'-72'	22'	5 - 4A	RI
11/1/95	1000	287-444	54	KC	G133	72'-95'	23'	5 - 4A	RI
11/1/95	1005	445-446	54	CS	295	10'-122'	111'	5 - 4A	RI
11/1/95	1015	423-444	54	KC	G133	95'-101'	6'	5 - 4A	RI
11/1/95	1015	444-22	54	AL	G205	0'-2'	2' PATCH	5 - 4A	RI
11/1/95	1020	423-444	54	KC	G133	0'-13'	13'	5 - 4A	RI
11/1/95	1020	445-22	54	AL	G205	0'-22'	22'	5 - 4A	RI
11/1/95	1025	420-444	54	KC	G133	13'-22'	8'	5 - 4A	RI
11/1/95	1030	445-23	54	AL	G205	0'-10'	10'	5 - 4A	RI
11/1/95	1100	446-447	54	CS	295	0'-150'	150'	5 - 4A	RI
11/1/95	1125	445-448	54	CS	295	0'-22'	22'	5 - 4A	RI
11/1/95	1133	446-448	54	CS	295	122'-159'	37'	5 - 4A	RI
11/1/95	1145	448-453	54	CS	295	159'-187'	28'	5 - 4A	RI
11/2/95	1325	545-546	35	CS	295	3'-99'	96'	10 - 9	RI
11/6/95	800	23-446	44	VS	G198	0'-22'	22'	5 - 4A	RI
11/6/95	830	447-450	44	CS	G205	17'-144	127'	5 - 4A	RI
11/6/95	835	24-447	44	VS	G198	0'-22'	22'	5 - 4A	RI
11/6/95	840	444-449	44	AL	G132	0'-10'	10'	5 - 4A	RI
11/6/95	850	452-447	48	CS	G205	162'-144'	18'	5 - 4A	RI
11/6/95	910	324-451	44	KC	G133	51'-72'	21'	5 - 4A	RI
11/6/95	920	325-451	44	KC	G133	51'-28'	23'	5 - 4A	RI
11/6/95	920	420-449	44	AL	G132	0'-14'	14'	5 - 4A	RI
11/6/95	925	449-419	44	AL	G132	14'-31'	17'	5 - 4A	RI
11/6/95	945	450-452	44	CS	G205	0'-22'	22'	5 - 4A	RI
11/6/95	950	449-417	46	AL	G132	4'-17'	13'	5 - 4A	RI
11/6/95	1000	326-451	46	KC	G133	6'-28'	22'	5 - 4A	RI
11/6/95	1000	449-419	46	AL	G132	0'-4'	4'	5 - 4A	RI
11/6/95	1000	451-452	46	CS	295	45'-69'	24'	11 - 12A	RI
11/6/95	1005	414-451	46	KC	G133	0'-12'	12'	5 - 4A	RI
11/6/95	1015	327-451	46	KC	G133	0'-6'	6'	5 - 4A	RI
11/6/95	1015	447-451	46	CS	G205	22'-45'	23'	5 - 4A	RI
11/6/95	1020	323-451	46	KC	G133	72'-83'	11'	4A - 4	RI
11/6/95	1020	453-447	46	CS	G205	150'-173'	23'	5 - 4A	RI
11/6/95	1035	446-453	46	CS	G205	0'-22'	22'	5 - 4A	RI
11/6/95	1035	449-448	46	AL	G132	126'-173'	47'	5 - 4A	RI
11/6/95	1040	451-453	46	CS	G205	0'-22'	22'	5 - 4A	RI
11/6/95	1045	414-448	46	AL	G132	0'-10'	10'	5 - 4A	RI
11/6/95	1045	447-25	46	VS	G198	0'-7'	7' CAP	5 - 4A	RI
11/6/95	1050	416-448	46	AL	G132	183'-204'	21'	5 - 4A	RI
11/6/95	1100	417-448	46	AL	G132	173'-183'	10'	5 - 4A	RI
11/6/95	1100	447-25	46	VS	G198	7'-17'	10' CAP	5 - 4A	RI
11/6/95	1100	448-451	46	CS	G205	0'-13'	13'	5 - 4A	RI
11/6/95	1417	458-460	46	CS	295	0'-71'	71'	4A - 4	RI

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/6/95	1420	460-459	46	CS	295	71'-89'	18'	4A - 4	RI
11/6/95	1430	25-450	46	VS	G198	0'-22'	22' CAP	5 - 4A	RI
11/6/95	1430	450-454	46	AL	G132	0'-22'	22'	4A - 4	RI
11/6/95	1440	454-455	46	CS	295	0'-49'	49'	4A - 4	RI
11/6/95	1445	114-27	46	KC	G133	466'-473'	7'	4A - 4	RI
11/6/95	1450	25-454	46	VS	G198	0'-3'	3' CAP	4A - 4	RI
11/6/95	1500	114-454	46	VS	G198	3'-6'	3' CAP	4A - 4	RI
11/6/95	1500	28-454	46	KC	G133	48'-70'	22'	4A - 4	RI
11/6/95	1500	454-456	46	CS	295	49'-93'	44'	4A - 4	RI
11/6/95	1505	114-454	46	AL	G132	6'-26'	20'	4A - 4	RI
11/6/95	1505	450-458	46	VS	G198	66'-70'	4'	4 - 4A	RI
11/6/95	1515	455-456	46	CS	295	0'-22'	22'	4A - 4	RI
11/6/95	1525	455-457	46	KO	1155	0'-49'	49'	4A - 4	RI
11/6/95	1525	456-457	46	CS	295	49'-93'	44'	4A - 4	RI
11/6/95	1530	27-454	46	AL	G132	26'-48'	22'	4A - 4	RI
11/6/95	1535	459-457	46	CS	295	72'-94'	21'	4A - 4	RI
11/6/95	1545	458-459	46	CS	295	0'-22'	22'	4A - 4	RI
11/6/95	1550	450-455	46	KO	1155	22'-44'	22'	4A - 4	RI
11/6/95	1550	450-457	46	KO	1155	44'-66'	22'	4A - 4	RI
11/6/95	1600	29-454	46	KC	G133	70'-90'	20'	4A - 4	RI
11/6/95	1600	458-457	46	CS	295	0'-72'	72'	4A - 4	RI
11/6/95	1610	450-458	46	KO	1155	70'-88'	18'	4A - 4	RI
11/6/95	1625	450-460	46	KO	1155	88'-110'	22'	4A - 4	RI
11/7/95	815	451-323	40	VS	G198	83'-92'	9'	11A - 11	RI
11/7/95	820	468-110	40	CS	G205	0'-14'	14'	4A - 4	RI
11/7/95	825	451-317	40	VS	G198	92'-95'	3'	11A - 11	RI
11/7/95	830	323-317	40	VS	G198	0'-5'	5'	11A - 11	RI
11/7/95	840	461-462	40	KO	1155	19'-42'	23'	4A - 4	RI
11/7/95	845	317-462	40	VS	G198	95'-115'	20'	11A - 11	RI
11/7/95	850	451-461	40	AL	G132	0'-19'	19'	4A - 4	RI
11/7/95	850	460-461	40	CS	295	0'-114'	114'	11 - 12A	RI
11/7/95	855	451-462	40	AL	G132	0'-20'	20'	4A - 4	RI
11/7/95	900	463-320	40	VS	G198	115'-138'	23'	11A - 11	RI
11/7/95	905	450-461	40	AL	G132	110'-125'	15'	4A - 4	RI
11/7/95	905	463-461	40	KO	1155	42'-102'	60'	4A - 4	RI
11/7/95	908	452-461	40	AL	G132	125'-136'	11'	4A - 4	RI
11/7/95	915	461-464	40	CS	295	114'-160'	46'	11 - 12A	RI
11/7/95	915	463-321	40	KC	G133	138'-161'	13'	11A - 11	RI
11/7/95	920	316-461	40	VS	G198	0'-15'	15'	11A - 11	RI
11/7/95	920	322-463	40	KC	G133	161'-166'	5'	11A - 11	RI
11/7/95	925	463-462	40	KO	1155	0'-15'	15'	4A - 4	RI
11/7/95	930	316-463	40	KC	G133	166'-172'	6'	11A - 11	RI
11/7/95	940	461-315	40	VS	G198	15'-38'	23'	11A - 11	RI
11/7/95	945	464-460	40	CS	295	0'-22'	22'	11 - 12A	RI
11/7/95	955	460-459	40	CS	295	89'-114'	25'	11 - 12A	RI
11/7/95	1000	314-461	40	VS	G198	38'-60'	22'	11A - 11	RI
11/7/95	1000	464-459	40	CS	295	114'-133'	19'	11 - 12A	RI
11/7/95	1007	464-465	40	CS	295	133'-160'	27'	11 - 12A	RI
11/7/95	1015	459-465	40	CS	295	0'-22'	22'	11 - 12A	RI
11/7/95	1018	459-466	40	CS	295	128'-135'	7'	11 - 12A	RI
11/7/95	1020	459-457	40	KO	1155	94'-128'	34'	11 - 12A	RI
11/7/95	1020	465-466	40	CS	295	135'-159'	24'	11 - 12A	RI
11/7/95	1028	457-466	40	CS	295	0'-22'	22'	4A - 4	RI
11/7/95	1030	457-467	40	CS	295	104'-125'	21'	4A - 4	RI
11/7/95	1035	466-467	40	CS	295	125'-169'	44'	4A - 4	RI
11/7/95	1040	456-467	40	KO	1155	0'-22'	22'	4A - 4	RI
11/7/95	1055	468-467	40	CS	295	167'-104'	63'	4A - 4	RI
11/7/95	1106	454-468	40	CS	295	0'-14'	14'	4A - 4	RI
11/8/95	810	454-110	41	CS	G205	0'-7'	7'	4A - 4	RI
11/8/95	825	464-469	41	VS	G198	0'-22'	22'	11 - 12	RI

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11/8/95	830	468-111	40	CS	G205	14'-37'	23'	4A - 4	RI
11/8/95	840	468-112	41	CS	G205	37'-59'	22'	4A - 4	RI
11/8/95	840	472-117	41	CS	G205	46'-55'	9'	4A - 4	RI
11/8/95	843	112-113	41	CS	G205	477'-480'	3'	4A - 4	RI
11/8/95	845	472-118	41	CS	G205	55'-79'	24'	4A - 4	RI
11/8/95	850	468-113	41	CS	G205	59'-80'	21'	4A - 4	RI
11/8/95	852	472-119	41	CS	G205	79'-82'	3'	4A - 4	RI
11/8/95	855	470-471	41	KO	1155	172'-280'	108'	4A - 4	RI
11/8/95	900	468-115	41	CS	G205	0'-4'	4'	4A - 4	RI
11/8/95	903	468-116	41	CS	G205	4'-7'	3'	4A - 4	RI
11/8/95	1000	471-472	41	KO	1155	172'-253'	81'	4A - 4	RI
11/8/95	1010	468-473	41	CS	G205	0'-17'	17'	4A - 4	RI
11/8/95	1020	473-116	41	CS	G205	7'-29'	22'	4A - 4	RI
11/8/95	1030	473-117	41	CS	G205	29'-46'	17'	4A - 4	RI
11/8/95	1045	469-470	41	KO	1155	175'-222	47'	11 - 12	RI
11/8/95	1050	472-473	41	CS	G205	189'-224'	35'	4A - 4	RI
11/8/95	1100	468-472	41	CS	G205	167'-189'	22'	4A - 4	RI
11/8/95	1100	469-474	41	KC	G198	0'-22'	22'	11 - 12	RI
11/8/95	1130	456-457	41	AL	G132	93'-104'	11'	4A - 4	RI
11/8/95	1130	474-470	41	KO	1155	222'-275'	53'	11 - 12	RI
11/8/95	1140	474-475	41	KO	1155	275'-297'	22'	11 - 12	RI
11/8/95	1230	456-454	41	AL	G132	93'-101'	8' CAP	4A - 4	RI
11/8/95	1235	471-472	41	CS	G205	169'-172'	3'	4A - 4	RI
11/8/95	1245	468-456	41	AL	G132	101'-104'	3'	4A - 4	RI
11/8/95	1245	472-467	41	CS	G205	0'-22'	22'	4A - 4	RI
11/8/95	1250	466-471	41	CS	G205	0'-22'	22'	4A - 4	RI
11/8/95	1300	471-119	41	KC	G198	82'-101'	19'	4 - 4A	RI
11/8/95	1310	465-471	41	CS	G205	174'-179'	5'	4A - 4	RI
11/8/95	1315	465-470	41	CS	G205	0'-22'	22'	11 - 12	RI
11/8/95	1315	471-129	41	KC	G198	101'-107'	6'	4 - 4A	RI
11/8/95	1320	470-469	41	CS	G205	173'-175'	2'	11 - 12	RI
11/8/95	1330	466-465	41	CS	G205	159'-174'	15'	4A - 4	RI
11/8/95	1400	475-128	41	KC	G198	0'-17'	17'	4 - 4A	RI
11/8/95	1415	309-469	41	LK	G133	204'-222'	18'	11 - 12	RI
11/8/95	1415	475-127	41	KC	G198	17'-22'	5'	4 - 4A	RI
11/8/95	1430	312-469	41	LK	G133	181'-204'	23'	11 - 12	RI
11/8/95	1445	309-474	41	CS	G205	222'-228'	6'	11 - 12	RI
11/8/95	1445	313-469	41	LK	G133	160'-181'	21'	11 - 12	RI
11/8/95	1450	305-474	41	CS	G205	228'-252'	24'	11 - 12	RI
11/8/95	1455	306-474	41	CS	G205	252'-274'	22'	11 - 12	RI
11/8/95	1500	461-313	41	LK	G133	0'-3'	3'	11 - 12	RI
11/8/95	1500	470-475	41	CS	G205	0'-22'	22'	11 - 12	RI
11/8/95	1530	471-128	41	KC	G198	0'-6'	6'	4 - 4A	RI
11/8/95	1535	469-465	41	CS	G205	160'-173'	13'	11 - 12	RI
11/9/95	820	475-127	38	CS	G205	22'-29'	7'	4 - 4A	RI
11/9/95	830	474-127	38	CS	G205	29'-38'	9'	4 - 4A	RI
11/9/95	900	474-304	38	CS	G205	0'-8'	8'	4 - 4A	RI
11/9/95	905	474-304	38	CS	G205	0'-10'	10'	11 - 12	RI
11/9/95	915	474-305	38	CS	G205	297'-274'	23'	11 - 12	RI
11/9/95	1110	255-256	35	VS	G198	0'-5'	5'	15E - 14E	RI
11/9/95	1125	157-476	38	CS	G205	40'-17'	23'	14E - 20E	RI
11/9/95	1130	158-476	38	CS	G205	17'-0'	17'	14E - 20E	RI
11/9/95	1145	281-158	38	CS	G205	0'-8'	8'	14E - 20E	RI
11/9/95	1300	156-476	38	KC	G198	40'-62'	22'	14E - 20E	RI
11/9/95	1300	281-476	38	CS	G205	0'-22'	22'	14E - 20E	RI
11/9/95	1310	155-476	38	KC	G198	62'-84'	22'	14E - 20E	RI
11/9/95	1310	281-477	38	LK	G132	0'-5'	5'	14E - 20E	RI
11/9/95	1315	154-476	38	KC	G198	84'-106'	22'	14E - 20E	RI
11/9/95	1315	476-477	38	KO	1155	5'-123'	118'	14W - 20W	RI
11/9/95	1320	275-477	38	LK	G132	0'-18'	18'	14W - 20W	RI

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TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/9/95	1340	280-477	38	LK	G132	18'-22'	4'	14W - 20W	RI
11/9/95	1345	478-477	38	KO	1155	123'-0'	123'	14E - 20E	RI
11/9/95	1350	280-478	38	LK	G132	0'-14'	14'	14W - 20W	RI
11/9/95	1400	262-478	38	LK	G132	14'-22'	8'	14W - 20W	RI
11/9/95	1420	479-261	38	CS	G205	0'-12'	12'	14W - 20W	RI
11/9/95	1430	480-257	38	KC	G198	66'-88'	22'	14W - 20W	RI
11/9/95	1435	479-480	38	KC	G198	0'-10'	10'	14E - 20E	RI
11/9/95	1435	480-478	38	KO	1155	125'-79'	46'	14E - 20E	RI
11/9/95	1450	260-479	38	CS	G205	0'-22'	22'	14W - 20W	RI
11/9/95	1450	479-478	38	KO	1155	79'-22'	57'	14E - 20E	RI
11/9/95	1500	259-479	38	CS	G205	22'-44'	22'	14W - 20W	RI
11/9/95	1500	480-256	38	KC	G198	88'-110'	22'	14W - 20W	RI
11/9/95	1510	258-479	38	CS	G205	44'-54'	10'	14W - 20W	RI
11/9/95	1515	480-258	38	CS	G205	54'-66'	12'	14W - 20W	RI
11/9/95	1525	261-478	38	CS	G205	0'-22'	22'	14W - 20W	RI
11/13/95	1000	481-288	34	KO	1155	52'-133'	90'	13A - 13E	RI
11/13/95	1020	137-481	34	AL	G132	0'-20'	20'	13A - 13E	RI
11/13/95	1030	481-482	34	KO	1155	0'-134'	134'	13A - 13E	RI
11/13/95	1045	288-481	34	CS	G205	42'-52'	10'	13A - 13E	RI
11/13/95	1045	291-481	34	AL	G132	0'-35'	35'	13A - 13E	RI
11/13/95	1055	288-481	34	CS	G205	42'-35'	7'	13A - 13E	RI
11/13/95	1100	133-482	34	AL	G132	21'-23'	2'	13A - 13E	RI
11/13/95	1105	136-482	34	AL	G132	0'-21'	21'	13A - 13E	RI
11/13/95	1115	R3766-484	34	AL	G132	0'-12'	12'	13A - 13E	RI
11/13/95	1120	R3766-139	34	AL	G132	0'-11'	11'	13A - 13E	RI
11/13/95	1125	139-484	34	AL	G132	11'-19'	8'	13A - 13E	RI
11/13/95	1135	483-482	34	KO	1155	0'-137'	134'	13A - 13E	RI
11/13/95	1140	133-483	34	VS	G198	0'-20'	20'	13A - 13E	RI
11/13/95	1250	R3766-483	34	AL	G132	0'-5'	5'	13A - 13E	RI
11/13/95	1300	140-484	34	AL	G132	19'-23'	4'	13A - 13E	RI
11/13/95	1305	140-485	34	AL	G132	0'-20'	20'	13A - 13E	RI
11/13/95	1315	485-484	34	CS	295	0'-125'	125'	13A - 13E	RI
11/13/95	1323	484-483	34	KO	1155	5'-120'	115'	13A - 13E	RI
11/13/95	1330	141-485	34	AL	G132	20'-23'	3'	13A - 13E	RI
11/13/95	1335	141-486	34	AL	G132	0'-20'	20'	13A - 13E	RI
11/13/95	1350	142-486	34	KC	G132	20'-23'	3'	13A - 13E	RI
11/13/95	1400	142-487	34	AL	G132	0'-20'	20'	13A - 13E	RI
11/13/95	1400	486-485	34	CS	295	0'-108'	108'	13A - 13E	RI
11/13/95	1415	143-487	34	KC	G113	20'-22'	2'	13A - 13E	RI
11/13/95	1420	143-488	34	KC	G113	0'-22'	22'	13A - 13E	RI
11/13/95	1425	487-486	34	KO	1155	0'-107'	107'	13A - 13E	RI
11/13/95	1445	488-487	34	KO	1155	0'-80'	80'	13A - 13E	RI
11/13/95	1455	488-489	34	CS	295	0'-23'	23'	13A - 13E	RI
11/13/95	1455	489-487	34	KO	1155	80'-111'	31'	13A - 13E	RI
11/13/95	1515	147-490	34	AL	G132	0'-22'	22'	13A - 13E	RI
11/13/95	1515	490-489	34	KO	1155	75'-103'	28'	13A - 13E	RI
11/13/95	1516	490-488	34	CS	295	0'-75'	75'	13A - 13E	RI
11/13/95	1530	491-490	34	KO	1155	0'-64'	64'	13A - 13E	RI
11/13/95	1535	491-492	34	CS	295	0'-22'	22'	13A - 13E	RI
11/13/95	1545	492-490	34	KO	1155	64'-112'	48'	13A - 13E	RI
11/13/95	1550	148-491	34	VS	G205	0'-23'	23'	13A - 13E	RI
11/16/95	750	148-493	35	CS	G205	0'-2'	2'	13A - 13E	RI
11/16/95	800	149-493	35	CS	G205	2'-22'	20'	13A - 13E	RI
11/16/95	845	491-493	35	KO	1155	57'-0'	57'	13A - 13E	RI
11/16/95	845	493-494	35	CS	295	0'-23'	23'	13A - 13E	RI
11/16/95	900	150-476	35	CS	G205	185'-173'	12'	13A - 14E	RI
11/16/95	900	494-492	35	KO	1155	71'-85'	14'	13A - 13E	RI
11/16/95	904	493-492	35	KO	1155	71'-57'	14'	13A - 13E	RI
11/16/95	905	150-R3909	35	CS	G205	0'-4'	4'	13A - 14E	RI
11/16/95	910	476-R3909	35	CS	G205	173'-136'	37'	13A - 14E	RI

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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/16/95	925	152-R3909	35	CS	G205	0'-16'	16'	13A - 14E	RI
11/16/95	935	151-R3909	34	CS	G205	0'-14'	14'	13A - 14E	RI
11/16/95	940	493-495	35	KO	1155	25'-74'	49'	13A - 13E	RI
11/16/95	1005	476-497	35	KO	1155	127'-183'	56'	13A - 14E	RI
11/16/95	1035	497-477	35	KO	1155	0'-22'	22'	13A - 14E	RI
11/16/95	1045	153-R3910	35	CS	G205	0'-22'	22'	13A - 14E	RI
11/16/95	1050	497-478	35	KO	1155	186'-133'	53'	13A - 14E	RI
11/16/95	1100	151-R3910	35	CS	G205	14'-21'	7'	13A - 14E	RI
11/16/95	1100	480-498	35	VS	G198	0'-10'	10'	13A - 14E	RI
11/16/95	1100	496-493	35	LK	G132	0'-25'	25'	13A - 13E	RI
11/16/95	1105	495-497	35	KO	1155	0'-22'	22'	13A - 14E	RI
11/16/95	1115	476-R3910	35	CS	G205	136'-106'	30'	13A - 14E	RI
11/16/95	1115	495-478	35	KO	1155	22'-44'	22'	13A - 14E	RI
11/16/95	1115	496-495	35	LK	G132	197'-205'	8'	13A - 13E	RI
11/16/95	1115	498-255	35	VS	G198	110'-131'	21'	13A - 14E	RI
11/16/95	1120	499-254	35	VS	G198	0'-22'	22'	13A - 13E	RI
11/16/95	1125	477-476	35	CS	G205	123'-127'	4'	13A - 14E	RI
11/16/95	1130	499-478	35	KO	1155	158'-186'	28'	13A - 14E	RI
11/16/95	1139	498-478	35	KO	1155	136'-158'	22'	13A - 14E	RI
11/16/95	1250	477-478	35	CS	G205	123'-133'	10'	13A - 14E	RI
11/16/95	1250	478-480	35	KO	1155	125'-136'	11'	13A - 14E	RI
11/16/95	1300	495-499	35	KO	1155	44'-67'	23'	13A - 14E	RI
11/16/95	1310	495-253	35	CS	G205	0'-22'	22'	13A - 14E	RI
11/16/95	1315	149-496	35	AL	G132	191'-195'	4'	13A - 13E	RI
11/16/95	1315	495-494	35	KO	1155	74'-102'	28'	13A - 14E	RI
11/16/95	1315	499-498	35	VS	G198	0'-9'	9'	13A - 14E	RI
11/16/95	1320	150-496	35	AL	G132	185'-191'	6'	13A - 13E	RI
11/16/95	1329	494-492	35	KO	1155	85'-111'	26'	13A - 14E	RI
11/16/95	1330	476-496	35	AL	G132	0'-20'	20'	13A - 14E	RI
11/16/95	1335	476-495	35	AL	G132	183'-197'	14'	13A - 14E	RI
11/16/95	1355	494-252	35	CS	G205	0'-21'	21'	13A - 14E	RI
11/16/95	1400	490-489	35	KO	1155	103'-115'	12'	13A - 14E	RI
11/16/95	1400	492-252	35	CS	G205	21'-22'	1'	13A - 14E	RI
11/16/95	1403	247-252	35	CS	G205	0'-5'	5'	13A - 14E	RI
11/16/95	1430	254-495	35	VS	G198	67'-72'	5'	13A - 14E	RI
11/16/95	1430	492-247	35	CS	G205	0'-21'	19'	13A - 14E	RI
11/16/95	1445	487-249	35	KO	1155	0'-15'	15'	14E - 13E	RI
11/16/95	1445	490-247	35	CS	G205	0'-6'	6'	13A - 14E	RI
11/16/95	1445	499-255	35	VS	G198	0'-10'	10'	13A - 14E	RI
11/16/95	1450	490-248	35	CS	G205	0'-17'	17'	13A - 14E	RI
11/17/95	800	485-500	35	VS	G133	116'-126'	10'	14E - 13E	RI
11/17/95	810	486-485	35	VS	G133	108'-116'	8'	14E - 13E	RI
11/17/95	815	17-500	35	VS	G133	0'-7'	7'	14E - 13E	RI
11/17/95	900	487-500	35	VS	G133	15'-23'	8'	14E - 13E	RI
11/17/95	905	249-500	35	VS	G133	0'-7'	7'	14E - 13E	RI
11/17/95	905	490-R3944	35	CS	G205	115'-118'	3'	14E - 13E	RI
11/17/95	910	248-R3944	35	CS	G205	0'-5'	5'	14E - 13E	RI
11/17/95	910	249-18	35	VS	G133	7'-13'	6'	14E - 13E	RI
11/17/95	915	250-R3944	35	CS	G205	0'-10'	10'	14E - 13E	RI
11/17/95	920	250-249	35	CS	G205	4'-14'	10'	14E - 13E	RI
11/17/95	920	500-18	35	VS	G133	0'-22'	22'	14E - 13E	RI
11/17/95	930	249-R3944	35	CS	G205	0'-4'	4'	14E - 13E	RI
11/17/95	940	487-486	35	VS	G133	107'-112'	5'	14E - 13E	RI
11/17/95	945	17-485	35	AL	G132	7'-22'	15'	14E - 13E	RI
11/17/95	945	484-483	35	LK	G198	120'-133'	13'	14E - 13E	RI
11/17/95	945	489-R3944	35	CS	G205	0'-15'	15'	14E - 13E	RI
11/17/95	950	249-489	35	CS	G205	15'-23'	6'	14E - 13E	RI
11/17/95	950	500-486	35	VS	G133	0'-21'	21'	14E - 13E	RI
11/17/95	1000	483-15	35	LK	G198	0'-16'	16'	14E - 13E	RI
11/17/95	1000	485-16	35	AL	G132	0'-7'	7'	14E - 13E	RI

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/17/95	1010	483-482	35	LK	G198	137'-140'	3'	14E - 13E	RI
11/17/95	1010	485-484	35	AL	G132	125'-130'	5'	14E - 13E	RI
11/17/95	1015	483-14	35	LK	G198	16'-22'	6'	14E - 13E	RI
11/17/95	1020	16-484	35	AL	G132	7'-22'	15'	14E - 13E	RI
11/17/95	1025	482-14 E	35	LK	G198	140'-145'	5'	14E - 13E	RI
11/17/95	1030	484-15	35	AL	G132	15'-21'	6'	14E - 13E	RI
11/17/95	1040	482-14 N	35	LK	G198	0'-15'	15'	14E - 13E	RI
11/17/95	1133	13-501	35	KO	1155	9'-67'	58'	14E - 13E	RI
11/17/95	1255	7-501	35	CS	295	242'-307'	65'	14E - 13E	RI
11/17/95	1300	1-501	35	KC	G133	67'-84'	17'	14E - 13E	RI
11/17/95	1320	501-R4003	35	CS	G205	307'-325	18'	14E - 13E	RI
11/17/95	1330	481-13	35	AL	G132	6'-22'	16'	14E - 13E	RI
11/17/95	1330	7-R4003	35	CS	G205	0'-8'	8'	14E - 13E	RI
11/17/95	1340	13-501	35	AL	G132	0'-9'	9'	14E - 13E	RI
11/17/95	1345	435-R4003	35	CS	G205	0'-14'	14'	14E - 13E	RI
11/17/95	1350	1-501	35	KO	1155	84'-166'	82'	14E - 13E	RI
11/17/95	1350	501-481	35	AL	G132	0'-6'	6'	14E - 13E	RI
11/17/95	1400	7-501	35	VS	G205	228'-242'	14'	14E - 13E	RI
11/17/95	1405	1-501	35	KO	1155	166'-225'	59'	14E - 13E	RI
11/17/95	1445	481-288	35	AL	G132	133'-156'	23'	14E - 13E	RI
11/17/95	1450	481-R3979	35	AL	G132	156'-161'	5'	14E - 13E	RI
11/17/95	1450	482-481	35	KO	1155	134'-154'	20'	14E - 13E	RI
11/17/95	1505	288-R3979	35	AL	G132	0'-21'	21'	14E - 13E	RI
11/18/95	745	482-13	35	AL	G132	15'-21'	6'	14E - 13E	RI
11/18/95	815	501-502	35	KO	1155	12'-67'	55'	13E - 12	RI
11/18/95	820	501-R3979	35	AL	G132	6'-21'	15'	14E - 13E	RI
11/18/95	850	501-502	35	CS	295	240'-321'	81'	13E - 12	RI
11/18/95	900	1-501	35	VS	G205	225'-227'	3' CAP	14E - 13E	RI
11/18/95	900	501-502	35	KC	G133	67'-77'	10'	13E - 12	RI
11/18/95	905	7-501	35	VS	G205	227'-228'	1' CAP	14E - 13E	RI
11/18/95	940	501-502	35	KO	1155	77'-225'	148'	13E - 12	RI
11/18/95	940	502-503	35	CS	295	234'-272'	38'	13E - 12	RI
11/18/95	945	503-505	35	CS	295	0'-22'	22'	13E - 12	RI
11/18/95	950	502-R3979	35	AL	G132	17'-21'	4'	13E - 12	RI
11/18/95	955	501-502	35	AL	G132	0'-12'	12'	13E - 12	RI
11/18/95	1000	502-289N	35	AL	G132	0'-17'	17'	13E - 12	RI
11/18/95	1000	502-503	35	VS	G205	218'-234'	16'	13E - 12	RI
11/18/95	1015	288-289	35	AL	G132	166'-173'	7'	13E - 12	RI
11/18/95	1015	502-505	35	CS	295	272'-314'	42'	13E - 12	RI
11/18/95	1020	289-R3979	35	AL	G132	173'-178'	5'	13E - 12	RI
11/18/95	1020	502-503	35	KO	1155	5'-218'	213'	13E - 12	RI
11/18/95	1030	289E-502	35	AL	G132	178'-184'	6'	13E - 12	RI
11/18/95	1100	501-502	35	VS	G205	225'-240	15'	13E - 12	RI
11/18/95	1100	503-504	35	KC	G133	111'-101'	10'	13E - 12	RI
11/18/95	1105	289-290	35	AL	G132	181'-196'	15'	13E - 12	RI
11/18/95	1110	289-R4025	35	AL	G132	17'-22'	5'	13E - 12	RI
11/18/95	1115	502-R4025	35	AL	G132	0'-2'	2'	13E - 12	RI
11/18/95	1120	502-503	35	AL	G132	2'-5'	3'	13E - 12	RI
11/18/95	1120	503-504	35	KO	1155	101'-7'	94'	13E - 12	RI
11/18/95	1130	505-504	35	CS	295	310'-278'	32'	13E - 12	RI
11/18/95	1140	503-504	35	CS	295	278'-240'	38'	13E - 12	RI
11/18/95	1245	503-504	35	VS	G205	240-217'	23'	13E - 12	RI
11/18/95	1245	503-R4025	35	AL	G132	0'-22'	22'	13E - 12	RI
11/18/95	1250	503-504	35	KO	1155	217'-111'	106'	13E - 12	RI
11/18/95	1255	290-R4025	35	AL	G132	0'-17'	17'	13E - 12	RI
11/18/95	1345	504-506	35	KO	1155	92'-0'	92'	13E - 12	RI
11/18/95	1400	504-506	35	KC	G133	106'-92'	14'	13E - 12	RI
11/18/95	1415	506-504	35	KO	1155	215'-106'	109'	13E - 12	RI
11/18/95	1415	506-504	35	CS	295	305'-228'	77'	13E - 12	RI
11/18/95	1420	504-506	35	VS	G205	228'-215'	13'	13E - 12	RI

Notes:
(1) "G" indicates extrusion welding unit

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/20/95	750	R4025-R4061	36	AL	G132	0'-3'	3'	13E - 12	RI
11/20/95	800	503-R4061	36	AL	G132	3'-7'	5'	13E - 12	RI
11/20/95	805	504-R4061	36	AL	G132	0'-5'	5'	13E - 12	RI
11/20/95	815	294-R4061	36	AL	G132	199'-214'	15'	13E - 12	RI
11/20/95	830	290-294	36	AL	G132	189'-199'	10'	13E - 12	RI
11/20/95	835	506-507	36	KO	1155	214'-110'	104'	13E - 12	RI
11/20/95	835	506-507	36	KO	1155	90'-10'	80'	13E - 12	RI
11/20/95	840	290-R4061	36	AL	G132	17'-22'	5'	13E - 12	RI
11/20/95	850	507-506	36	CS	295	310'-289'	21'	13E - 12	RI
11/20/95	900	507-506	36	KO	1155	289'-232'	57'	13E - 12	RI
11/20/95	930	506-507	36	VS	G205	232'-214'	18'	13E - 12	RI
11/20/95	1010	294-504	36	AL	G132	5'-22'	17'	13E - 12	RI
11/20/95	1020	294-506	36	AL	G132	0'-4'	4'	13E - 12	RI
11/20/95	1025	295-506	36	AL	G132	4'-22'	18'	13E - 12	RI
11/20/95	1040	294-295	36	AL	G132	224'-237'	13'	13E - 12	RI
11/20/95	1048	507-508	36	KO	1155	77'-5'	72'	13E - 12	RI
11/20/95	1055	507-508	36	CS	295	299'-223'	76'	13E - 12	RI
11/20/95	1115	507-508	36	VS	G205	223'-210'	13'	13E - 12	RI
11/20/95	1130	507-508	36	KC	G133	96'-77'	19'	13E - 12	RI
11/20/95	1225	509-511	36	CS	295	0'-22'	22'	13E - 12	RI
11/20/95	1240	507-508	36	KO	1155	210'-96'	114'	13E - 12	RI
11/20/95	1245	506-R4057	36	AL	G132	0'-10'	10'	13E - 12	RI
11/20/95	1250	508-509	36	CS	295	214'-282'	68'	13E - 12	RI
11/20/95	1300	295-R4057	36	AL	G132	17'-21'	4'	13E - 12	RI
11/20/95	1310	295-297	36	AL	G132	244'-250'	6'	13E - 12	RI
11/20/95	1320	297-R4057	36	AL	G132	250'-260'	10'	13E - 12	RI
11/20/95	1322	508-509	36	CS	295	86'-200'	114'	13E - 12	RI
11/20/95	1330	506-507	36	KC	G133	110'-90'	20'	13E - 12	RI
11/20/95	1330	508-R4091	36	AL	G132	0'-2'	2'	13E - 12	RI
11/20/95	1333	508-509	36	KO	1155	2'-73'	71'	13E - 12	RI
11/20/95	1335	297-507	36	AL	G132	4'-22'	18'	13E - 12	RI
11/20/95	1340	507-R4057	36	AL	132	0'-4'	4'	13E - 12	RI
11/20/95	1355	509-510	36	CS	295	213'-280'	67'	13E - 12	RI
11/20/95	1400	297-299	36	AL	G132	262'-273'	11'	13E - 12	RI
11/20/95	1400	508-509	36	VS	G132	200'-214'	14'	13E - 12	RI
11/20/95	1400	509-510	36	KO	1155	11'-74'	63'	13E - 12	RI
11/20/95	1405	297-R4070	36	AL	G132	19'-22'	3'	13E - 12	RI
11/20/95	1410	299-R4070	36	AL	G132	273'-278'	5'	13E - 12	RI
11/20/95	1415	508-R4070	36	AL	G132	0'-3'	3'	13E - 12	RI
11/20/95	1420	299-508	36	AL	G132	3'-22'	19'	13E - 12	RI
11/20/95	1420	507-R4070	36	AL	G132	0'-5'	5'	13E - 12	RI
11/20/95	1430	509-R4138	36	AL	G132	0'-11'	11'	13E - 12	RI
11/20/95	1445	299-302	36	AL	G132	264'-288'	24' CAP	13E - 12	RI
11/20/95	1453	509-R4091	36	AL	G132	0'-6'	6'	13E - 12	RI
11/20/95	1455	509-510	36	KO	1155	86'-198'	112'	13E - 12	RI
11/20/95	1500	299-R4091	36	AL	G132	19'-22'	3'	13E - 12	RI
11/20/95	1500	508-511	36	VS	G205	282'-288'	6'	13E - 12	RI
11/20/95	1505	302-R4091	36	AL	G132	288'-291'	3'	13E - 12	RI
11/20/95	1515	510-511	36	VS	G205	280'-287'	7' CAP	13E - 12	RI
11/21/95	750	302-R4138	40	AL	G132	19'-22'	3'	13E - 12	RI
11/21/95	800	509-510	40	VS	G205	198'-213'	15'	13E - 12	RI
11/21/95	800	510-R4138	40	AL	G132	0'-3'	3'	13E - 12	RI
11/21/95	810	303-R4138	40	AL	G132	293'-304'	11'	13E - 12	RI
11/21/95	815	508-509	40	KC	G133	73'-86'	13'	13E - 12	RI
11/21/95	820	302-303	40	AL	G132	284'-293'	9'	13E - 12	RI
11/21/95	850	510-512	40	CS	295	77'-190'	113'	13E - 12	RI
11/21/95	850	510-512	40	KO	1155	8'-62'	62'	13E - 12	RI
11/21/95	1000	303-510	40	AL	G132	3'-22'	19'	13E - 12	RI
11/21/95	1015	303-R4147	40	AL	G132	296'-306'	10'	13E - 12	RI
11/21/95	1030	510-512	40	KC	G133	62'-77'	15'	13E - 12	RI

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TOWN OF HUNTINGTON
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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/21/95	1035	303-307	40	AL	G132	288'-296'	8'	13E - 12	RI
11/21/95	1035	512-513	40	CS	295	69'-181'	112'	13E - 12	RI
11/21/95	1040	512-513	40	KO	1155	0'-54'	54'	13E - 12	RI
11/21/95	1045	510-R4147	40	AL	G132	0'-8'	8'	13E - 12	RI
11/21/95	1055	512-R4147	40	AL	G132	0'-7'	7'	13E - 12	RI
11/21/95	1100	509-510	40	KC	G133	74'-86'	12'	13E - 12	RI
11/21/95	1100	512-513	40	KC	G133	54'-69'	15'	13E - 12	RI
11/21/95	1100	R4147-307E	40	AL	G132	0'-17'	17'	13E - 12	RI
11/21/95	1110	R4147-307N	40	AL	G132	0'-7'	7'	13E - 12	RI
11/21/95	1120	513-514	40	KC	G133	53'-67'	14'	13E - 12	RI
11/21/95	1130	512-307	40	AL	G132	7'-22'	15'	13E - 12	RI
11/21/95	1145	514-515	40	CS	295	63'-174'	111'	13E - 12	RI
11/21/95	1255	513-514	40	CS	295	67'-179'	112'	13E - 12	RI
11/21/95	1300	307-308	40	AL	G132	308'-325'	17'	13E - 12	RI
11/21/95	1300	513-514	40	KO	1155	0'-53'	53'	13E - 12	RI
11/21/95	1300	514-515	40	VS	G205	174'-187'	13'	13E - 12	RI
11/21/95	1305	307-513	40	AL	G132	0'-2'	2'	13E - 12	RI
11/21/95	1310	514-515	40	KC	G133	51'-63'	12'	13E - 12	RI
11/21/95	1315	308-513	40	AL	G132	0'-20'	20'	13E - 12	RI
11/21/95	1315	513-514	40	VS	G205	179'-192	13'	13E - 12	RI
11/21/95	1330	308-514	40	AL	G132	20'-22'	2'	13E - 12	RI
11/21/95	1330	512-513	40	VS	G205	181'-193'	12'	13E - 12	RI
11/21/95	1345	308-310	40	AL	G132	318'-333'	15'	13E - 12	RI
11/21/95	1345	510-512	40	VS	G205	190'-203'	13'	13E - 12	RI
11/21/95	1345	514-515	40	KO	1155	8'-51'	43'	13E - 12	RI
11/21/95	1400	310-514	40	AL	G132	0'-20'	20'	13E - 12	RI
11/21/95	1405	310-R4181	40	AL	G132	20'-22'	2'	13E - 12	RI
11/21/95	1405	311-515	40	KO	1155	5'-22'	17'	13E - 12	RI
11/21/95	1415	310-311	40	AL	G132	322'-342'	20'	13E - 12	RI
11/21/95	1425	514-R4181	40	AL	G132	0'-8'	8'	13E - 12	RI
11/21/95	1430	515-R4181	40	AL	G132	0'-5'	5'	13E - 12	RI
11/21/95	1445	311-R4181	40	AL	G132	0'-9'	9'	13E - 12	RI
11/21/95	1450	515-516	40	CS	295	0'-22'	22'	13E - 12	RI
11/21/95	1510	302-509	36	AL	G132	0'-19'	19'	13E - 12	RI
11/22/95	900	515-517	35	VS	G205	169'-182'	13'	13E - 12	RI
11/22/95	900	515-517	35	KC	G133	45'-59'	14'	13E - 12	RI
11/22/95	915	516-517	35	CS	295	249'-259'	10'	13E - 12	RI
11/22/95	920	515-517	35	KO	1155	0'-45'	45'	13E - 12	RI
11/22/95	930	515-517	35	CS	295	182'-249'	67'	13E - 12	RI
11/22/95	1000	311-313	35	AL	G132	337'-354'	17'	13E - 12	RI
11/22/95	1010	515-517	35	KO	1155	59'-169'	110'	13E - 12	RI
11/22/95	1015	313-517	35	AL	G132	0'-20'	20'	12 - 12A	RI
11/22/95	1030	517-518	35	CS	295	257'-179'	78'	12 - 12A	RI
11/22/95	1055	517-518	35	KO	1155	167'-55'	112'	12 - 12A	RI
11/22/95	1100	313-314	35	AL	G132	354'-373'	19'	12 - 12A	RI
11/22/95	1110	517-518	35	VS	G205	179'-167'	12'	12 - 12A	RI
11/22/95	1115	313-R4231	35	AL	G132	20'-22'	2'	12 - 12A	RI
11/22/95	1125	517-518	35	KO	1155	42'-17'	25'	12 - 12A	RI
11/22/95	1130	517-518	35	KC	G133	55'-42'	13'	12 - 12A	RI
11/22/95	1130	517-R4231	35	AL	G132	0'-5'	5'	12 - 12A	RI
11/22/95	1135	517-518	35	KO	1155	17'-9'	8'	12 - 12A	RI
11/22/95	1135	518-519	35	CS	295	251'-219'	32'	12 - 12A	RI
11/22/95	1135	518-R4231	35	AL	G132	0'-2'	2'	12 - 12A	RI
11/22/95	1145	314-R4231	35	AL	G132	373'-378'	5'	12 - 12A	RI
11/22/95	1150	518-519	35	CS	295	219'-175'	44'	12 - 12A	RI
11/22/95	1300	314-518	35	AL	G132	2'-22'	20'	12 - 12A	RI
11/22/95	1300	518-519	35	KO	1155	39'-0'	39'	12 - 12A	RI
11/22/95	1315	314-519	35	AL	G132	0'-2'	1'	12 - 12A	RI
11/22/95	1320	518-519	35	KC	G133	52'-39'	13'	12 - 12A	RI
11/22/95	1330	518-519	35	KO	1155	162'-97'	65'	12 - 12A	RI

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SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/22/95	1330	518-519	35	VS	G205	175'-162'	13'	12 - 12A	RI
11/22/95	1345	314-315	35	AL	G132	356'-371'	15'	12 - 12A	RI
11/22/95	1345	518-519	35	KO	1155	97'-52'	45'	12 - 12A	RI
11/22/95	1515	517-518	35	KC	G133	9'-5'	4'	12 - 12A	RI
11/27/95	740	520-519	38	KC	G133	40'-53'	13'	12 - 12A	RI
11/27/95	750	519-315	38	AL	G132	2'-22'	21'	12 - 12A	RI
11/27/95	800	315-316	38	AL	G132	360'-371'	11'	12 - 12A	RI
11/27/95	805	519-520	38	KO	1155	12'-40'	28'	12 - 12A	RI
11/27/95	815	522-519	38	AL	G132	0'-12'	12'	12 - 12A	RI
11/27/95	820	316-522	38	AL	G132	0'-12'	12'	12 - 12A	RI
11/27/95	830	519-520	38	CS	295	175'-254'	79'	12 - 12A	RI
11/27/95	900	519-520	38	KO	1155	53'-160'	107'	12 - 12A	RI
11/27/95	930	522-520	38	AL	G132	0'-22'	22'	12A - 11	RI
11/27/95	940	520-521	40	KO	1155	65'-164'	99'	12A - 11	RI
11/27/95	945	317-522	40	AL	G132	0'-10'	10'	12A - 11	RI
11/27/95	950	522-R4279	40	AL	G132	0'-6'	6'	12A - 11	RI
11/27/95	1000	519-520	38	VS	G205	160'-175'	15'	12 - 12A	RI
11/27/95	1000	520-521	40	CS	1117	179'-253'	74'	12A - 11	RI
11/27/95	1000	522-R4280	40	AL	G132	6'-11'	5' PATCH	12A - 11	RI
11/27/95	1010	520-521	40	KC	G133	45'-65'	20'	12A - 11	RI
11/27/95	1010	521-R4279	40	AL	G132	0'-11'	11'	12A - 11	RI
11/27/95	1012	520-521	40	KO	1155	11'-45'	34'	12A - 11	RI
11/27/95	1038	521-523	40	KO	1155	0'-39'	39'	12A - 11	RI
11/27/95	1040	521-523	40	CS	1117	168'-240'	72'	12A - 11	RI
11/27/95	1100	520-521	40	VS	G205	164'-179'	15'	12 - 12A	RI
11/27/95	1100	521-523	40	KO	1155	51'-153'	102'	12A - 11	RI
11/27/95	1125	523-524	40	CS	1117	196'-218'	22'	12A - 11	RI
11/27/95	1135	523-524	40	KO	1155	5'-33'	28'	12A - 11	RI
11/27/95	1145	523-524	40	CS	1117	159'-196'	37'	12A - 11	RI
11/27/95	1145	525-529	54	VS	G205	148'-167'	19' CAP	12A - 11	RI
11/27/95	1240	521-523	40	KC	G133	39'-51'	12'	12A - 11	RI
11/27/95	1250	524-R4325	40	CS	1117	0'-22'	22'	12A - 11	RI
11/27/95	1300	317-323	40	AL	G132	374'-382'	8'	12A - 11	RI
11/27/95	1300	521-523	40	VS	G205	153'-168'	15'	12A - 11	RI
11/27/95	1310	323-R4279	40	AL	G132	382'-389'	7'	12A - 11	RI
11/27/95	1320	317-R4279	40	AL	G132	10'-22'	12'	12A - 11	RI
11/27/95	1320	523-524	40	KC	G133	33'-46'	13'	12A - 11	RI
11/27/95	1320	523-524	40	KO	1155	46'-133'	87'	12A - 11	RI
11/27/95	1330	521-323	40	AL	G132	11'-22'	11'	12A - 11	RI
11/27/95	1340	524-525	40	CS	1117	154'-196'	42'	12A - 11	RI
11/27/95	1345	323-324	40	AL	G132	378'-396'	18'	12A - 11	RI
11/27/95	1355	523-323	40	AL	G132	0'-11'	11'	12A - 11	RI
11/27/95	1400	324E-523	40	AL	G132	396'-400'	4'	12A - 11	RI
11/27/95	1400	514-515	40	CS	1117	187'-255'	68'	13B - 12	RI
11/27/95	1400	524-528	40	VS	G205	196'-212'	16'	12A - 11	RI
11/27/95	1405	516-514	40	CS	1117	255'-263'	8'	13B - 12	RI
11/27/95	1415	523-324	40	AL	G132	11'-22'	11'	12A - 11	RI
11/27/95	1415	524-525	40	KO	1155	51'-136'	85'	12A - 11	RI
11/27/95	1415	527-514	40	CS	1117	270'-222'	48'	13B - 12	RI
11/27/95	1420	510-512	40	CS	1117	242'-203'	39'	13B - 12	RI
11/27/95	1420	523-524	40	AL	G132	0'-5'	5'	12A - 11	RI
11/27/95	1425	513-514	40	CS	1117	222'-192'	30'	13B - 12	RI
11/27/95	1440	513-527	40	CS	1117	0'-22'	22'	13B - 12	RI
11/27/95	1455	524-525	40	KO	1155	3'-37'	34'	12A - 11	RI
11/27/95	1500	524-525	40	KC	G133	37'-51'	14'	12A - 11	RI
11/27/95	1510	524-324	40	AL	G132	0'-10'	10'	12A - 11	RI
11/27/95	1520	324-325	40	AL	G132	385'-406'	48'	12A - 11	RI
11/27/95	1525	526-527	40	CS	1117	272'-234'	38'	13B - 12	RI
11/27/95	1530	325-524	40	AL	G132	10'-22'	12'	12A - 11	RI
11/27/95	1540	524-R4412	40	AL	G132	0'-3'	3'	12A - 11	RI

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
11/27/95	1545	325-R4412	40	AL	G132	13'-19'	6'	12A - 11	RI
11/27/95	1545	512-513	40	CS	1117	193'-234'	41'	13E - 12	RI
11/27/95	1545	523-R4325	40	VS	G205	218'-223'	5'	12 - 12A	RI
11/27/95	1550	525-R4412	40	AL	G132	0'-6'	6'	12A - 11	RI
11/27/95	1600	512-526	40	CS	1117	0'-22'	22'	13E - 12	RI
11/27/95	1605	510-526	40	CS	1117	282'-242'	40'	13E - 12	RI
11/27/95	1610	528-R4325	40	VS	G205	212'-218'	6'	12A - 11	RI
11/27/95	1615	524-525	40	VS	G205	145'-154'	9'	12A - 11	RI
11/27/95	1620	528-525	40	VS	G205	0'-22'	22'	12A - 11	RI
11/27/95	290	316-317	38	AL	G132	368'-376'	8'	12A - 11	RI
11/28/95	730	524-525	54	KC	G133	136'-145'	9' CAP	12A - 11	RI
11/28/95	900	325-326	54	AL	G132	391'-410'	19'	12A - 11	RI
11/28/95	905	525-325	54	AL	G132	19'-22'	3'	12A - 11	RI
11/28/95	920	525-529	54	CS	1117	167'-190'	23'	12A - 11	RI
11/28/95	925	528-529	54	CS	1117	190'-201'	11'	12A - 11	RI
11/28/95	930	525-529	54	KO	1155	7'-138'	131'	12A - 11	RI
11/28/95	1000	525-326	54	AL	G132	9'-22'	13'	12A - 11	RI
11/28/95	1000	529-530	54	KC	G133	150'-135'	15'	12A - 11	RI
11/28/95	1020	529-530	54	CS	1117	150'-194'	44'	12A - 11	RI
11/28/95	1050	530-531	54	CS	1117	131'-177'	47'	11 - 11A	RI
11/28/95	1100	523-524	54	VS	G205	133'-159'	26'	12A - 11	RI
11/28/95	1100	529-530	54	KO	1155	0'-135'	135'	12A - 11	RI
11/28/95	1100	529-532	54	CS	1117	0'-22'	22'	12A - 11	RI
11/28/95	1100	530-531	54	KC	G133	118'-131'	13'	11 - 11A	RI
11/28/95	1105	528-532	54	CS	1117	201'-211'	10'	12A - 11	RI
11/28/95	1242	525-R4420	54	AL	G132	0'-7'	7'	12A - 11	RI
11/28/95	1245	525-529	54	VS	G205	138'-148'	10'	12A - 11	RI
11/28/95	1245	530-531	54	KO	1155	0'-118'	118'	11 - 11A	RI
11/28/95	1310	326-327	54	AL	G132	395'-408'	13'	12A - 11	RI
11/28/95	1310	326-R4420	54	AL	G132	13'-22'	12'	12A - 11	RI
11/28/95	1315	531-533	54	CS	1117	126'-175'	49'	11 - 11A	RI
11/28/95	1320	529-R4420	54	AL	G132	0'-22'	22'	12A - 11	RI
11/28/95	1330	R4420-R4421	54	AL	G132	0'-6'	6'	12A - 11	RI
11/28/95	1335	327-R4420	54	AL	G132	0'-12'	12'	12A - 11	RI
11/28/95	1350	533-535	54	CS	1117	113'-149'	36'	11A - 10	RI
11/28/95	1355	531-533	54	KO	1155	0'-112'	112'	11 - 11A	RI
11/28/95	1400	327-R4421	54	AL	G132	12'-22'	10'	11 - 11A	RI
11/28/95	1400	531-533	54	KC	G133	112'-126'	14'	11 - 11A	RI
11/28/95	1405	530-R4421	54	AL	G132	0'-10'	10'	11 - 11A	RI
11/28/95	1415	328-R4421	54	AL	G132	410'-416'	6'	11 - 11A	RI
11/28/95	1420	531-538	54	CS	1117	175'-190'	15'	11 - 11A	RI
11/28/95	1425	327-328	54	AL	G132	400'-410'	10'	11 - 11A	RI
11/28/95	1425	533-538	54	CS	1117	0'-8'	8'	11 - 11A	RI
11/28/95	1430	533-535	54	KC	G133	100'-113'	13'	11A - 10	RI
11/28/95	1450	530-328 E	54	AL	G132	416'-423'	8'	11 - 11A	RI
11/28/95	1455	533-535	54	KO	1155	0'-100'	100'	11A - 10	RI
11/28/95	1500	530-328 N	54	AL	G132	O'-12'	12'	11 - 11A	RI
11/28/95	1510	328-531	54	AL	G132	12'-22'	10'	11A - 10	RI
11/28/95	1510	535-536	54	CS	1117	114'-149'	35'	11A - 10	RI
11/28/95	1520	328-329	54	AL	G132	405'-424'	19'	11A - 10	RI
11/28/95	1530	329E-531	54	AL	G132	424'-428'	4'	11A - 10	RI
11/28/95	1530	534-531	54	CS	1117	177'-195'	18'	11 - 11A	RI
11/28/95	1530	535-536	54	KC	G133	99'-114'	15'	11A - 10	RI
11/28/95	1535	329N-531	54	AL	G132	0'-13'	13'	11A - 10	RI
11/28/95	1535	535-536	54	KO	1155	0'-99'	99'	11A - 10	RI
11/28/95	1540	534-530	54	CS	1117	0'-22'	22'	11 - 11A	RI
11/28/95	1545	329-R4488	54	AL	G132	13'-20'	7' PATCH	11A - 10	RI
11/28/95	1550	329-533	54	AL	G132	20'-22'	2'	11A - 10	RI
12/2/95	730	329-333	35	AL	G132	404'-415'	9'	11A - 10	RI
12/2/95	735	537-333	35	AL	G132	0'-22'	22'	11A - 10	RI

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DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
12/2/95	755	329-537	35	AL	G132	415'-428'	13'	11A - 10	RI
12/2/95	800	533-537	35	AL	G132	0'-14'	14'	11A - 10	RI
12/2/95	810	333-334	35	AL	G132	364'-371'	7'	11A - 10	RI
12/2/95	815	537-334	35	AL	G132	371'-384'	13'	11A - 10	RI
12/2/95	820	537-535	35	AL	G132	0'-8'	8'	11A - 10	RI
12/2/95	825	537-R4499	35	AL	G132	384'-387'	3'	11A - 10	RI
12/2/95	830	536-539	35	CS	295	104'-162'	58'	11A - 10	RI
12/2/95	830	535-R4499	35	AL	G132	8'-22'	14'	11A - 10	RI
12/2/95	835	536-539	35	KO	1155	8'-89'	81'	11A - 10	RI
12/2/95	845	536-R4499	35	AL	G132	0'-8'	8'	11A - 10	RI
12/2/95	850	540-541	35	CS	295	0'-22'	22'	11A - 10	RI
12/2/95	900	334-R4499	35	AL	G132	0'-22'	22'	11A - 10	RI
12/2/95	900	529-534	35	VS	G205	194'-199'	5'	11A - 10	RI
12/2/95	900	536-539	35	KC	G133	89'-104'	15'	11A - 10	RI
12/2/95	900	539-540	35	CS	295	112'-156'	44'	11A - 10	RI
12/2/95	915	532-R4444	35	VS	G205	199'-208'	9'	11A - 10	RI
12/2/95	915	539-541	35	CS	295	156'-164'	8'	11A - 10	RI
12/2/95	925	336-334	35	AL	G132	372'-390'	18'	11A - 10	RI
12/2/95	930	336-R4499	35	AL	G132	390'-394'	4'	11A - 10	RI
12/2/95	945	539-540	35	KO	1155	3'-99'	96'	11A - 10	RI
12/2/95	945	541-542	35	CS	295	147'-157'	10'	11A - 10	RI
12/2/95	950	536-336E	35	AL	G132	394'-400'	6'	11A - 10	RI
12/2/95	950	540-542	35	CS	295	109'-147'	38'	11A - 10	RI
12/2/95	1000	336N-536	35	AL	G132	0'-20'	20'	11A - 10	RI
12/2/95	1015	336E-539	35	AL	G132	0'-8'	8'	11A - 10	RI
12/2/95	1030	336N-539	35	AL	G132	0'-11'	11'	11A - 10	RI
12/2/95	1030	539-540	35	KC	G133	99'-112'	13'	11A - 10	RI
12/2/95	1030	540-542	35	KO	1155	3'-96'	93'	11A - 10	RI
12/2/95	1030	542-543	35	CS	295	107'-149'	42'	11A - 10	RI
12/2/95	1045	336-337	35	AL	G132	291'-304'	13'	11A - 10	RI
12/2/95	1100	543-544	35	CS	295	103'-134'	31'	10 - 9	RI
12/2/95	1110	540-542	35	KC	G133	96'-109'	13'	11A - 10	RI
12/2/95	1125	543-544	35	CS	295	6'-91'	85'	10 - 9	RI
12/2/95	1130	542-543	35	KO	1155	4'-92'	88'	11A - 10	RI
12/2/95	1130	542-543	35	KC	G133	92'-107'	15'	11A - 10	RI
12/2/95	1145	544-545	35	CS	295	105'-117'	12'	10 - 9	RI
12/2/95	1155	543R4642	35	KC	G205	134'-140'	6'	10 - 9	RI
12/2/95	1230	340-R4523	35	LK	G198	249'-252'	3'	11A - 10	RI
12/2/95	1235	542-R4523	35	LK	G198	0'-5'	5'	11A - 10	RI
12/2/95	1240	540-R4523	35	LK	G198	0'-3'	3'	11A - 10	RI
12/2/95	1245	339-R4523	35	LK	G198	17'-22'	5'	11A - 10	RI
12/2/95	1250	339-340	35	LK	G198	244'-249'	5'	11A - 10	RI
12/2/95	1255	544-545	35	CS	295	4'-93'	89'	10 - 9	RI
12/2/95	1300	339-540	35	LK	G198	5'-22'	17'	11A - 10	RI
12/2/95	1315	339-R4516	35	LK	G198	275'-279'	4'	11A - 10	RI
12/2/95	1315	545-546	35	CS	295	102'-126'	21'	10 - 9	RI
12/2/95	1325	540-R4516	35	LK	G198	0'-5'	5'	11A - 10	RI
12/2/95	1330	337-339	35	LK	G198	265'-275'	10'	11A - 10	RI
12/2/95	1340	337-R4516	35	LK	G198	17'-22'	5'	11A - 10	RI
12/2/95	1345	539-R4516	35	LK	G198	0'-3'	3'	11A - 10	RI
12/2/95	1350	337-539	35	LK	G198	0'-17'	17'	11A - 10	RI
12/2/95	1350	543-544	35	KC	G133	91'-103'	12'	10 - 9	RI
12/2/95	1400	545-546	35	CS	295	3'-99'	96'	10 - 9	RI
12/2/95	1420	547-549	35	CS	295	102'-72'	30'	10 - 9	RI
12/2/95	1430	340-542	35	AL	G132	0'-18'	18'	11A - 10	RI
12/2/95	1430	544-545	35	KC	G133	93'-105'	12'	10 - 9	RI
12/2/95	1430	548-549	35	CS	295	0'-23'	23'	10 - 9	RI
12/2/95	1445	542-R4531	35	AL	G132	0'-4'	4'	11A - 10	RI
12/2/95	1445	547-548	35	CS	295	72'-0'	72'	10 - 9	RI
12/2/95	1450	340-R4531	35	AL	G132	18'-22'	4'	11A - 10	RI

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12/2/95	1500	340-343	35	AL	G132	207'-210'	3'	10 - 9	RI
12/2/95	1505	343-R4531	35	AL	G132	210'-214'	4'	10 - 9	RI
12/2/95	1515	543-R4531	35	AL	G132	0'-3'	3'	10 - 9	RI
12/2/95	1530	343-543	35	AL	G132	3'-22'	19'	10 - 9	RI
12/2/95	1535	543-544	35	AL	G132	0'-6'	6'	10 - 9	RI
12/4/95	745	343-544	43	LK	G198	19'-22'	3'	10 - 9	RI
12/4/95	750	343-344	43	LK	G198	126'-134'	8'	10 - 9	RI
12/4/95	810	344-544	43	LK	G198	0'-19'	19'	10 - 9	RI
12/4/95	815	344-R4589	43	LK	G198	19'-22'	3'	10 - 9	RI
12/4/95	820	544-R4589	43	LK	G198	0'-4'	4'	10 - 9	RI
12/4/95	825	547-550	43	CS	295	125'-102'	23'	10 - 9	RI
12/4/95	835	344-345	43	LK	G198	96'-99'	3'	10 - 9	RI
12/4/95	840	549-550	43	CS	295	0'-24'	24'	10 - 9	RI
12/4/95	855	545-R4589	43	LK	G198	0'-22'	22'	10 - 9	RI
12/4/95	900	545-546	43	VS	G205	99'-102'	3' PATCH	10 - 9	RI
12/4/95	905	345-R4589	43	LK	G198	0'-19'	19'	10 - 9	RI
12/4/95	915	544-545	43	VS	G205	117'-128'	11' PATC	10 - 9	RI
12/4/95	915	546-R4589	43	LK	G198	0'-3'	3'	10 - 9	RI
12/4/95	915	550-551	43	CS	295	116'-91'	25'	10 - 9	RI
12/4/95	920	549-551	43	CS	295	91'-76'	15'	10 - 9	RI
12/4/95	925	345-546	43	LK	G198	0'-3'	3'	10 - 9	RI
12/4/95	930	345-347	43	LK	G198	55'-57'	2'	10 - 9	RI
12/4/95	930	544-545	43	VS	G205	128'-129'	1'	10 - 9	RI
12/4/95	935	546-347	43	LK	G198	0'-21'	21'	10 - 9	RI
12/4/95	935	548-551	43	CS	295	76'-9'	67'	10 - 9	RI
12/4/95	945	544-R4642	43	KC	G205	0'-22'	22'	10 - 9	RI
12/4/95	1000	347-547	43	LK	G198	0'-1'	1'	10 - 9	RI
12/4/95	1000	545-R4642	43	VS	G205	129'-135'	6'	10 - 9	RI
12/4/95	1005	348-547	43	LK	G198	1'-11'	10'	10 - 9	RI
12/4/95	1015	347-348	43	LK	G198	16'-17'	1'	10 - 9	RI
12/4/95	1015	551-553	43	CS	295	109'-84'	25'	10 - 9	RI
12/4/95	1020	554-551	43	CS	295	84'-44'	40'	10 - 9	RI
12/4/95	1025	341-547	43	LK	G198	11'-12'	1'	10 - 9	RI
12/4/95	1030	341-R4608	43	LK	G198	1'-14'	13'	10 - 9	RI
12/4/95	1030	R4642-R4644	43	VS	G205	135'-138'	3'	10 - 9	RI
12/4/95	1035	552-551	43	CS	295	44'-6'	38'	10 - 9	RI
12/4/95	1040	341-R4609	43	LK	G198	14'-22'	8'	10 - 9	RI
12/4/95	1040	553-554	43	CS	295	0'-14'	14	10 - 9	RI
12/4/95	1045	545-R4644	43	VS	G205	0'-13'	13'	10 - 9	RI
12/4/95	1045	553-552	43	CS	295	69'-42'	27'	10 - 9	RI
12/4/95	1050	547-R4608	43	LK	G198	12'-22'	10'	10 - 9	RI
12/4/95	1050	552-554	43	CS	295	42'-0'	42'	10 - 9	RI
12/4/95	1100	548-R4608	43	LK	G198	0'-4'	4'	10 - 9	RI
12/4/95	1100	552-555	43	CS	295	112'-13'	99'	10 - 9	RI
12/4/95	1105	545-546	43	VS	G205	126'-130	7'	10 - 9	RI
12/4/95	1105	548-R4609	43	LK	G198	4'-13'	9'	10 - 9	RI
12/4/95	1110	546-R4644	43	VS	G205	130'-131'	1'	10 - 9	RI
12/4/95	1115	335-R4609	43	LK	G198	392'-400'	8'	10 - 9	RI
12/4/95	1125	548-335E	43	LK	G198	400'-404'	4'	10 - 9	RI
12/4/95	1125	555-556	43	CS	295	0'-93'	93'	10 - 9	RI
12/4/95	1135	548-335N	43	LK	G198	0'-7'	7'	10 - 9	RI
12/4/95	1240	556-558	43	CS	295	102'-63'	39'	10 - 9	RI
12/4/95	1245	548-551	43	LK	G198	0'-9'	9'	10 - 9	RI
12/4/95	1245	556-557	43	CS	295	63'-0'	63'	10 - 9	RI
12/4/95	1250	335-551	43	LK	G198	0'-15'	15'	10 - 9	RI
12/4/95	1300	335-349	43	LK	G198	458'-466'	8'	10 - 9	RI
12/4/95	1300	557-558	43	CS	295	0'-22'	22'	10 - 9	RI
12/4/95	1305	349-551	43	LK	G198	15'-22'	7'	10 - 9	RI
12/4/95	1313	558-559	43	CS	295	58'-83'	25'	10 - 9	RI
12/4/95	1315	551-552	43	LK	G198	0'-6'	6'	10 - 9	RI

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12/4/95	1320	557-560	43	CS	295	0'-58'	58'	9A - 8A	RI
12/4/95	1325	349-552	43	LK	G198	6'-11'	5'	10 - 9	RI
12/4/95	1330	552-R4662	43	LK	G198	0'-13'	13'	10 - 9	RI
12/4/95	1332	560-559	43	CS	295	0'-23'	23'	10 - 9	RI
12/4/95	1335	355-560	43	CS	295	0'-13'	13'	9A - 8A	RI
12/4/95	1340	355-561	43	CS	295	0'-11'	11'	9A - 8A	RI
12/4/95	1340	559-561	43	CS	295	61'-84'	23'	9A - 8A	RI
12/4/95	1345	349-R4662	43	LK	G198	11'-22'	11'	10 - 9	RI
12/4/95	1350	560-561	43	CS	295	0'-61'	61'	9A - 8A	RI
12/4/95	1355	349-350	43	LK	G198	467'-474'	7'	10 - 9	RI
12/4/95	1400	350-R4662	43	LK	G198	474'-489'	15'	10 - 9	RI
12/4/95	1400	546-547	35	CS	295	0'-132'	132'	10 - 9	RI
12/4/95	1410	555-R4662	43	LK	G198	0'-10'	10'	10 - 9	RI
12/4/95	1410	561-562	43	CS	295	0'-79'	79'	9A - 8A	RI
12/4/95	1415	555-350	43	LK	G198	10'-22'	12'	10 - 9	RI
12/4/95	1425	556-350N	43	LK	G198	0'-11'	11'	10 - 9	RI
12/4/95	1435	556-350E	43	LK	G198	434'-453'	19'	10 - 9	RI
12/4/95	1435	562-563	43	CS	295	0'-68'	68'	9A - 8A	RI
12/4/95	1445	352-556	43	LK	G198	0'-11'	11'	9A - 8A	RI
12/4/95	1450	563-564	43	CS	295	15'-68'	53'	9A - 8A	RI
12/4/95	1455	352-557	43	LK	G198	0'-9'	9'	9A - 8A	RI
12/4/95	1455	563-564	43	CS	295	11'-4'	7'	9A - 8A	RI
12/4/95	1505	352-354	43	LK	G198	312'-322'	10' CAP	9A - 8A	RI
12/4/95	1505	564-565	43	CS	295	4'-62'	58'	9A - 8A	RI
12/4/95	1515	350-352	43	LK	G198	425'-434'	9'	10 - 9	RI
12/4/95	1515	354-557	43	LK	G198	0'-13'	13'	9A - 8A	RI
12/4/95	1525	354-560	43	LK	G198	0'-10'	10'	9A - 8A	RI
12/4/95	1530	360-564	43	CS	295	0'-10'	10'	9A - 8A	RI
12/4/95	1535	359-564	43	CS	295	12'-22'	10'	9A - 8A	RI
12/4/95	1537	565-360N	43	CS	295	0'-11'	11'	9A - 8A	RI
12/4/95	1540	563-R4711	43	CS	295	10'-22'	12'	9A - 8A	RI
12/4/95	1545	359-R4711	43	CS	295	0'-12'	12'	9A - 8A	RI
12/4/95	1550	358-563	43	CS	295	0'-10'	10'	9A - 8A	RI
12/4/95	1555	356-562	43	CS	295	0'-10'	10'	9A - 8A	RI
12/4/95	1600	356-561	43	CS	295	0'-11'	11'	9A - 8A	RI
12/5/95	740	354-355	33	LK	G198	279'-289'	10'	9A - 8A	RI
12/5/95	800	558-559	35	VS	G205	83'-95'	12'	10 - 9	RI
12/5/95	825	551-R4706	33	CS	G205	109'-117'	8'	9A - 8A	RI
12/5/95	835	553-R4706	33	CS	G205	0'-6'	6'	9A - 8A	RI
12/5/95	845	355-356	33	LK	G198	246'-263'	17'	9A - 8A	RI
12/5/95	900	356-358	35	LK	G198	213'-230'	17'	9A - 8A	RI
12/5/95	905	358-562	35	VS	G133	0'-5'	5'	9A - 8A	RI
12/5/95	915	358-562	35	VS	G133	5'-12'	7' PATCH	9A - 8A	RI
12/5/95	920	358-359	35	VS	G133	178'-194'	16'	9A - 8A	RI
12/5/95	925	358-R4711	35	VS	G133	194'-199'	5'	9A - 8A	RI
12/5/95	935	564-R4711	35	VS	G133	0'-4'	4'	9A - 8A	RI
12/5/95	945	359-360	35	VS	G133	145'-162'	17'	9A - 8A	RI
12/5/95	1000	564-565	35	VS	G133	0'-4'	4'	9A - 8A	RI
12/5/95	1015	563-564	35	VS	G133	11'-15'	4'	9A - 8A	RI
12/5/95	1100	565-566	35	CS	295	0'-51'	51'	9A - 8A	RI
12/5/95	1115	566-567	35	CS	295	0'-44'	44'	9A - 8A	RI
12/5/95	1130	567-569	35	CS	295	0'-35'	35'	9A - 8A	RI
12/5/95	1225	568-570	35	CS	295	66'-76'	10'	9A - 8A	RI
12/5/95	1235	567-R4757	35	VS	G133	35'-40'	5'	9A - 8A	RI
12/5/95	1240	569-R4757	35	VS	G133	0'-12'	12'	9A - 8A	RI
12/5/95	1245	363-R4731	35	LK	G198	0'-7'	7'	9A - 8A	RI
12/5/95	1245	567-568	35	CS	295	22'-39'	17'	9A - 8A	RI
12/5/95	1245	569-R4757	35	VS	G133	12'-22'	10' PATC	9A - 8A	RI
12/5/95	1255	363-R4732	35	LK	G198	7'-22'	15'	9A - 8A	RI
12/5/95	1255	568-566	35	CS	295	0'-22'	22'	9A - 8A	RI

Notes:
(1) "G" indicates extrusion welding unit

TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
SUFFOLK COUNTY, NEW YORK

GEOMEMBRANE SEAMING LOG

DATE	TIME	SEAM NUMBER	TEMPERATURE (F)	OPERATOR ID	MACHINE NUMBER (1)	SEAM SEGMENT (ft)	LENGTH (ft)	SITE GRID LOCATION	QA ID
12/5/95	1300	360-R4731	35	VS	G133	110'-115'	5'	9A - 8A	RI
12/5/95	1300	568-565	35	CS	295	0'-13'	13'	9A - 8A	RI
12/5/95	1305	360-568	35	VS	G133	115'-127'	12'	9A - 8A	RI
12/5/95	1305	568-R4731	35	LK	G198	0'-7'	7'	9A - 8A	RI
12/5/95	1305	569-570	35	CS	295	0'-21'	21'	9A - 8A	RI
12/5/95	1310	360E-565	35	VS	G133	127'-131'	4'	9A - 8A	RI
12/5/95	1310	568-R4732	35	LK	G198	7'-22'	15'	9A - 8A	RI
12/5/95	1315	364-R4732	35	LK	G198	35'-38'	3'	9A - 8A	RI
12/5/95	1317	364-568	35	LK	G198	22'-24'	2'	9A - 8A	RI
12/5/95	1330	351-568	35	CS	295	412'-438'	26'	9A - 8A	RI
12/5/95	1330	364-R4672	35	LK	G198	0'-19'	19'	9A - 8A	RI
12/5/95	1335	361-568	35	CS	295	47'-74'	27'	9A - 8A	RI
12/5/95	1345	568-R4672	35	LK	G198	24'-47'	23'	9A - 8A	RI
12/5/95	1350	361-R4672	35	LK	G198	72'-86'	14'	9A - 8A	RI
12/5/95	1400	568-567	35	VS	G133	39'-44'	5' PATCH	9A - 8A	RI
12/5/95	1405	568-569	35	VS	G133	44'-48'	4' PATCH	9A - 8A	RI
12/5/95	1435	568-569	35	CS	295	48'-66'	18'	9A - 8A	RI
12/6/95	745	365-572	40	AL	G132	475'-480'	5'	9 - 8A	RI
12/6/95	800	395-572	40	AL	G132	480'-507'	27'	9 - 8A	RI
12/6/95	815	395-R4796	40	AL	G132	507'-519'	12'	9 - 8A	RI
12/6/95	830	572-R4796	40	AL	G132	0'-13'	13'	9 - 8A	RI
12/6/95	845	571-572	40	AL	G132	0'-46'	46'	9 - 8A	RI
12/6/95	900	569-R4764	40	CS	G205	21'-35'	14'	9A - 8A	RI
12/6/95	905	365-R4606	40	AL	G132	0'-8'	8'	9 - 8A	RI
12/6/95	915	R4757-R4764	40	CS	G205	35'-41'	6'	9A - 8A	RI
12/6/95	915	570-R4764	40	CS	G205	0'-6'	6'	9A - 8A	RI
12/6/95	920	570-R4765	40	CS	G205	6'-13'	7'	9A - 8A	RI
12/6/95	930	R4764-R4765	40	CS	G205	0'-18'	18'	9 - 8A	RI
12/6/95	945	351-570	40	CS	G205	10'-13'	3'	9A - 8A	RI
12/6/95	945	571-351E	40	CS	G205	0'-21'	21'	9 - 8A	RI
12/6/95	1000	570-571	40	CS	G205	21'-42'	21'	9 - 8A	RI
12/6/95	1015	571-R4765	40	CS	G205	42'-60	18'	9 - 8A	RI
12/6/95	1100	351-R4804	43	CS	G205	0'-8'	8'	9 - 8A	RI
12/6/95	1120	365-R4805	40	CS	G205	0'-9'	9'	9 - 8A	RI
12/6/95	1130	351-361	40	CS	G205	401'-412'	11' CAP	9A - 8A	RI
12/7/95	845	365-571	35	SH	G205	461'-475'	14'	9 - 8A	RI
12/7/95	900	571-351N	35	SH	G205	0'-4'	4'	9 - 8A	RI
12/7/95	905	571-R4804	35	SH	G205	4'-6'	2'	9 - 8A	RI

Notes:
(1) "G" indicates extrusion welding unit