The electronic version of this file/report should have the file name:

Type of document . Site Number . Year-Month . File *Year-Year* or Report name . pdf

_____ . _____ - ___ . File _____ .pdf

example: *letter . Year-Month . File Year-Year . pdf*

report . HW . 915082 . 1990-01-01 . Reclass - Package - Docs - NR .pdf

example: *report . Site Number . Year-Month . Report Name . pdf*

Project Site numbers will be proceeded by the following:

Municipal Brownfields - B
Superfund - HW
Spills - SP
ERP - E
VCP - V
BCP - C

Keuffel & Esser Company

DRESSER 915064 A554
STOCKS POND 915082 A563

82 0022

Field Book

50% rag paper
32 pages

4⅝" x 7¼"

Keuffel & Esser Co., Morristown, N. J. 07960 Made in U.S.A.

CURVE FORMULAS

$T = R \tan \frac{1}{2} I$

$T = \frac{50 \tan \frac{1}{2} I}{\text{Sin. } \frac{1}{2} D}$

$\text{Sin. } \frac{1}{2} D = \frac{50}{R}$

$\text{Sin. } \frac{1}{2} D = \frac{50 \tan \frac{1}{2} I}{T}$

$R = T \text{ cot. } \frac{1}{2} I$

$R = \frac{50}{\text{Sin. } \frac{1}{2} D}$

$E = R \text{ ex. sec } \frac{1}{2} I$

$E = T \tan \frac{1}{4} I$

$\text{Chord def.} = \frac{\text{chord}^2}{R}$

$\text{No. chords} = \frac{I}{D}$

$\text{Tan. def.} = \frac{1}{2} \text{ chord def.}$

The square of any distance, divided by twice the radius, will equal the distance from tangent to curve. very nearly.

To find angle for a given distance and deflection.

Rule 1. Multiply the given distance by .01745 (def. for 1° for 1 ft.) and divide given deflection by the product.

Rule 2. Multiply given deflection by 57.3, and divide the product by the given distance.

To find deflection for a given angle and distance. Multiply the angle by .01745, and the product by the distance.

GENERAL DATA

RIGHT ANGLE TRIANGLES. Square the altitude, divide by twice the base. Add quotient to base for hypotenuse.

Given Base 100, Alt. $10.10^2 \div 200 = .5$. $100 + .5 = 100.5$ hyp.

Given Hyp. 100, Alt. $25.25^2 \div 200 = 3.125$; $100 - 3.125 = 96.875 = \text{Base}$.

Error in first example, .002; in last, .045.

To find Tons of Rail in one mile of track: multiply weight per yard by 11, and divide by 7.

LEVELING. The correction for curvature and refraction, in feet and decimals of feet is equal to $0.574\,d^2$, where d is the distance in miles. The correction for curvature alone is closely, $\frac{2}{3}d^2$. The combined correction is negative.

PROBABLE ERROR. If d_1, d_2, d_3, etc. are the discrepancies of various results from the mean, and if Σd^2 = the sum of the squares of these differences and n = the number of observations, then the probable error of the mean $= \pm 0.6745\sqrt{\frac{\Sigma d^2}{n(n-1)}}$

MINUTES IN DECIMALS OF A DEGREE

1′	.0167	11′	.1833	21′	.3500	31′	.5167	41′	.6833	51′	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

INCHES IN DECIMALS OF A FOOT

1-16	3-32	⅛	3-16	¼	5-16	⅜	½	⅝	¾	⅞
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729

1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

AUGUST 5, 1992

WEDNESDAY

WEATHER SUNNY, ~65°F @ 1030

1050 ARRIVED AT DRESSER SITE W/ K GLASER, A SYLVESTER & T KOCH (DEC) TO CONDUCT BA TASK 2 SAMPLING ACTIVITIES AS PER PREVIOUS CONVERSATION W/ FRANK NOWICKI (ENV. MANAGEMENT & ENG. INC. - VRP REPRESENTATIVE) LOCK TO ACCESS GATE OVER TRANSIT RD WILL BE REPLACED W/ K GLASER CUT IT UPON ARRIVAL.

1050-1100 DECON SITE WEST. RETURNED TO VEHICLES PARKED AT INTERSECTION OF ACCESS ROADS NOWICKI HAD ARRIVED. NOWICKI INFORMED THE WRITER THAT HE WOULD NOT BE COLLECTING SPLITS.

SAMPLES TO BE DESIGNATED A554 — 1A 1B, 2A 2B ... 4 SURFACE WATER 4 SEDIMENT

~1115 G SUTTON (DEC) STOPS BRIEFLY AT SITE TO DROP OFF TAPE MEASURE

DEC CREW CONTINUES LABELING BOTTLES PRIOR TO START OF SAMPLING.

DECON SPADE SHOVEL W/ ALCONOX AND POTABLE WATER

1155 STARTED SAMPLING SURFACE WATER AT SW/SD 104
T/KOCH NOTES SAMPLE TIME 1145 - 1205 SW COLLECTED FIRST 2 x 40 ml, 2 x 1L AMBER, 1 x 1L PLASTIC & 1 x 1/2 L PLASTIC
SEDIMENT BENEATH 3-4' OF STANDING WATER WAS BLACK SILT W/ NUMEROUS ROOTS, LEAVES, FINE GRAVEL, SAND.
MEASURED LOCATION 55' SOUTH OF N PERIMETER FENCE, 33'4" NORTH OF SCRAP METAL HOPPER. SURFACE WATER CLEAR. NOTED DIATOMACEOUS SHEEN NEARER EMBANKMENT. PLATELET SCUM POLAROID TAKEN OF 104
1220 SAMPLED SW/SD 2A, B AT LOCATION 105 - WATER CLEAR, NO SHEEN. SEDIMENT BLACK SILT W/ SOME SAND, NO FINE GRAVEL. SW COLLECTED FROM 2-5' OFF EMBANKMENT. SEDIMENT ~3' OFF EMBANKMENT. LOCATION 105 TO THE SE OF 104 ~200' DRUM FRAGMENTS LOCATED ON EMBANKMENT ~8-10' FROM 105. POLAROID TAKEN.

SW/SD 103
A554 5A,B MS/MSD

SW/SD 104
A554 1A,B
1145-1215
AS cycles for KG Mixer

WT 102
A554-12

WT 103
A554-11
1512-1515
AS

SW/SD 101

SW/SD 102
A554 6A,B
A554 7A,B DUPE
1420-1430
KG AS

SW/SD 105
A554 2A,B
1215-1225
AS + KG

SW/SD 106
A554 3A,B
1245-1255
AS + KG

WT 104
A554-10
1508
AS

WT 105
A554-09
1500-1505
AS

WT 101
A554-08
1450-1455
AS

SW/SD 107
A554 4A,B
1302-1310
KG + AS

1245 SAMPLE SW/SD 106 — CLEAR
1255 WATER ~15' FROM EMBANKMENT
IN THE CENTER OF EAST WEST
DEPRESSION ~100' SOUTH OF 105.
SEDIMENTS DESCRIBED AS BLACK SILT
OVER LIGHT BROWN SILTY CLAY SIMPLE
1330-1350 STAKED OUT LOCATIONS FOR WT 102 -
105 WHILE SAMPLE CREW COLLECTED
SW/SD 103 .. MS/MSD
1350-1410 RETRACED STEPS WITH Nowicki
.. TO LOCATIONS WT 102 - 105 ..
FOUND PILE OF CONCRETE + METAL
DEBRIS BENEATH FACE OF FOUNDRY
SAND . FLAGGED
1420 SAMPLED SW/SD 101 .. DUPE SW/SD 102
-1430 UNABLE TO LOCATE OFF WHITE RUNOFF
NOTED IN WALKOVER REPORT .. 101/102
LOCATION MOVED ~50' EAST FROM
WHERE WRITER RECALLED SEEING
OFF WHITE LEACHATE . TIDAL PORTION
OF THE SWAMP NOW HOLDS VERY LITTLE
WATER .. NO EVIDENCE OF THE LEACHATE
1450 SAMPLED WT 101 .. BACK SIDE
55 OF SAND MOUND BIKE TRAIL
SAME MOUND CONTAINS CONCRETE

AND SCRAP METAL - REMOVED TOP 6-12" OF MAT'L W/ SHOVEL - SAMPLED W/ PLASTIC TROWEL - RED ANTS, ROOTS, BLACK FOUNDRY SAND, DRY-MOIST

1500 SAMPLED WT105 - TOP OF SAND MOUND

1505 EXCAVATED W12" W/ SHOVEL - SAMPLED BLACK SAND SLIGHTLY MOIST, NO ODOR

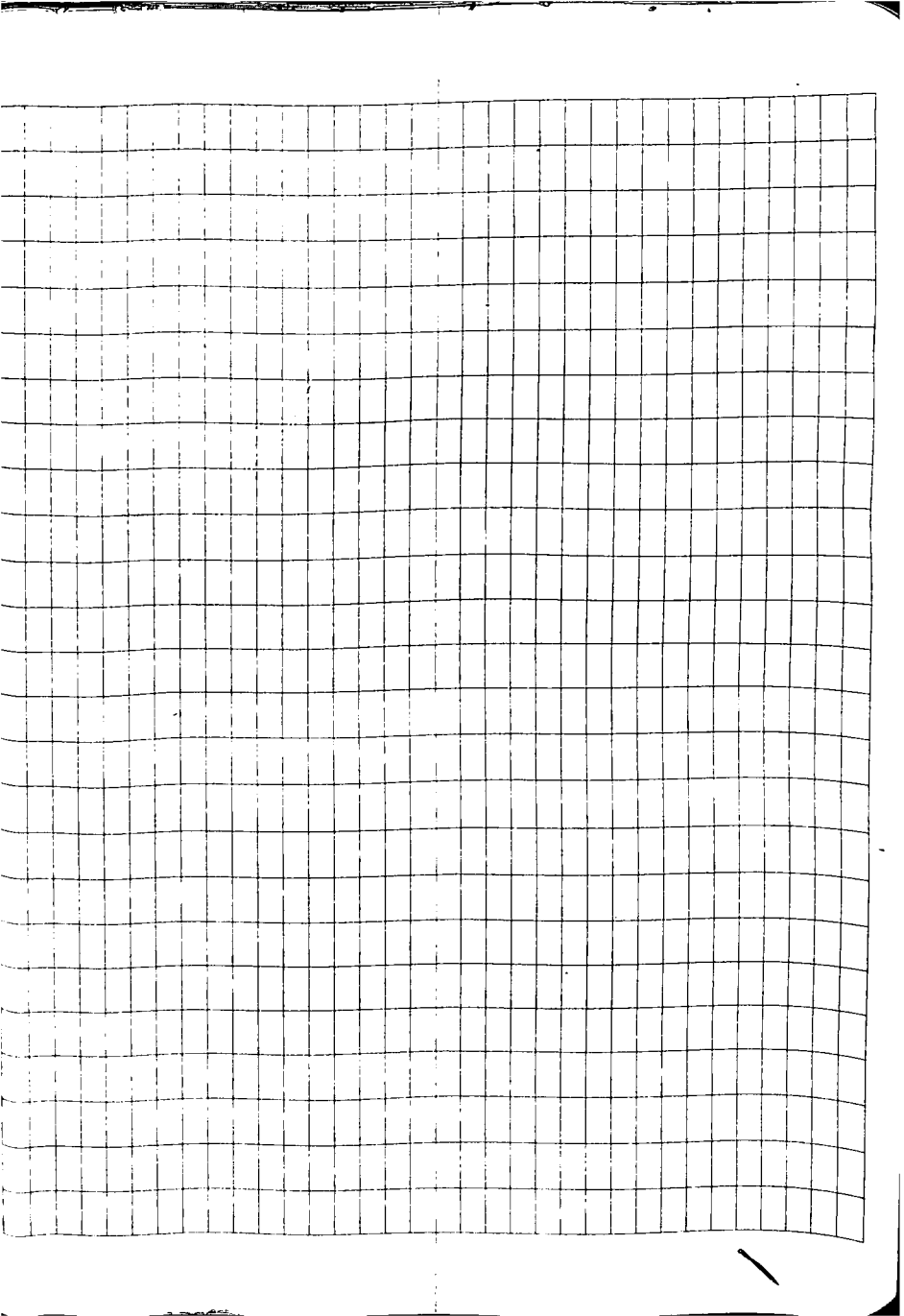
1508 SAMPLED WT104 - ~50' DOWNHILL (NORTH) OF WT105 - SAMPLED ~6" BGS - SAME DESCRIPTION

1512 SAMPLED WT103 - EXCAVATED 10-12" BEFORE SAMPLING - BLACK SAND W/ SOME SILT (BROWN + RED BROWN) TRACE CLAY MOIST

1525 SAMPLED WT102 - INSIDE DIRT BIKE TRAIL CURVE ~50' SW OF END TO NORTH PERIMETER FENCE WEST END BLACK W/ SOME DARK GRAY AND TRACE LIGHT BROWN SAND - MOIST, EXCAVATED ~6" BEFORE SAMPLING LEFT SITE SOMETIME BETWEEN 1545 & 1605 NOWICKI PROVIDED WRITER W/ LOCK'S KEY FOR GATE - COMPLETED PAPERWORK FOR SAMPLES OFFSITE

1605 K GUNSEL RELINQUISHED SAMPLES

1720 DELIVERED SAMPLES TO RECRA LAB - RETURNED TO OFFICE
PHONE MESSAGE REC'D FROM LEO PIOTROWSKI - OWNER OF STOCK'S POND 1110 AM.
~1750 ATTEMPTED TO PHONE PIOTROWSKI NO ANS - LEFT MESSAGE ON ANS. MACHINE 1755 TELEPHONED A. SYLVESTER - HOLD OFF SAMPLING TOMORROW AT STOCKS UNTIL PIOTROWSKI HAS BEEN CONTACTED



AUGUST 6 1992
THURSDAY
WEATHER: SUNNY ~70°F
1105 ARRIVED AT STOCKS POND SITE .. PARKING LOT OF RESTAURANT JOINED SHORTLY AFTERWARDS BY SYLVESTER AND KOCH.

1155 STARTED SAMPLING SURFACE WATER AT LOCATION SW/SD-1 .. APPROX 6-12" FROM THE EMBANKMENT .. WATER IS ~12" DEEP MUDDY YELLOW BROWN SAMPLING AT A POINT ~6' UPSTREAM OF PSA STAKE AND 15-20' UPSTREAM OF TWO PLASTIC CORRUGATED DRAIN PIPES IN SMALL AMOUNT (~0.5 GPM) OF FLOW FROM PIPES SAMPLER T KOCH.
1155 FINISHED SAMPLING SW STARTED SEDIMENT .. KOCH NOTED BUBBLES FROM SEDIMENT WHEN SHOVEL WAS DRIVEN INTO IT. -- BROWN, GRAY BROWN SILT & SAND .. LEAVES, DECAYED VEGETATION .. SAMPLES (SW/SD-1)

DESIGNATED A563-1A & 1B

1200 SAMPLING COMPLETE - COMMENT FROM KOCH - LOOKED LIKE THE SEDIMENT MAY HAVE CONTAINED FOUNDRY SAND - EDGE OF LANDFILL APPEARS TO BE ~ 30-40' FURTHER DOWNSTREAM. ALSO, NOT ODOR NOTED OTHER THAN A "SWAMPY ODOR" - NO OILY SHEEN SAMPLE VOLUME 2x1L AMBER, 2x40 mL, 1x1L PLASTIC & 1x½L PLASTIC. PHOTO FRAME 20

1205 STARTED SAMPLING A563-04 LOCATION WT-1 APPROX 10' FROM TOP OF EMBANKMENT EXCAVATED 4-6" BEFORE SAMPLING W/ TROWEL BLACK SAND, SOME SILT, TREE ROOTS, SMALL ROCKS (1-2" DIA), MED. GRAVEL 1210

1210 KOCH BEGINS EXCAVATING SURFACE OF SAMPLE LOCATION WT-2 AS SYLVESTER

1214 BEGIN SAMPLING SW-2 AT THE BASE OF THE EMBANKMENT, NEAR AN EROSION CHANNEL - NOTE A LEACHATE W/ SLIGHT OIL SHEEN

KOCH NOTES SCRAP METAL, ANTS & ANT EGGS 4-6" BELOW SURFACE - SAME BLACK MOIST SAND W/ SOME GRAY WHITE SAND MATL AT DEPTH (BROKEN CONCRETE) NOTED BROKEN

CONCRETE ON SURFACE AND THE REMNANTS OF A CONCRETE BLOCK RETAINING WALL ~10' DOWNSTREAM 1220 SAMPLING WT-2 COMPLETE (A5633-05)

1222 SYLVESTER COMPLETED SAMPLING SEDIMENT AT BASE OF RED ORANGE LEACHATE SEEP FACE

1240 BEGAN SAMPLING SW AT SW/SD 3 (A5633A & B) AS KOCH BEGINS EXCAVATING AT LOCATION WT3 (A5636) 1242 FINISHED SAMPLING SW -- BENEATH TRANSIT RD BRIDGE -- EAST SIDE ~6' IN, FROM CONCRETE CURB WATER SLOW, MUDDY YELLOW BROWN SYLVESTER NOTES DISCHARGE TRICKLE FROM 3" PIPE OUT OF BRIDGE ABUTMENT. SW TAKEN ~2' DOWNSTREAM OF DISCHARGE 1245

1240 -44 KOCH SAMPLED WASTE AT LOCATION WT-3 ~5' FROM TOP EDGE OF EMBANKMENT ~15' UPSTREAM OF CULVERT MARKED ON CSA DRAWING. ACTUALLY, NOTED CULVERT W/ TRICKLE DISCHARGE ~20' DOWNSTREAM

OF LOCATION WT-2 .. SUSPECT THAT PSA DRAWING SCALE MAY BE OFF QUITE A BIT.

1245-53 SAMPLED SEDIMENT SD-3

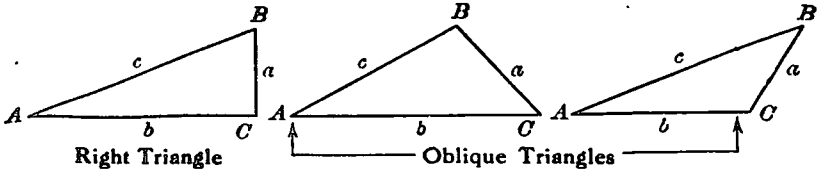
FILLED OUT PAPERWORK TO SUBMIT SAMPLES ... SYLVESTER & KOCH LEFT SITE AT ~ 1330

1349 LEFT SITE FOR RECRA LAB ...

1415 RELINQUISHED SAMPLES:

A563-1A	SW1
2A	SW2
1B	SD1
2B	SD2
3A	SW3
3B	SD3
04	WT-1
05	WT-2
06	WT 3
TB	TRIPBLANK

TRIGONOMETRIC FORMULAS



Solution of Right Triangles

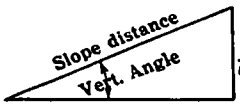
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B,\ c = \sqrt{a^2 + b^2} = a\sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B,\ b = \sqrt{(c+a)(c-a)} = c\sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90° - A,\ b = a \cot A,\ c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90° - A,\ a = b \tan A,\ c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90° - A,\ a = c \sin A,\ b = c \cos A$

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A},\ C = 180° - (A + B),\ c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a},\ C = 180° - (A + B),\ c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C,\ \tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b},\ c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2},\ \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{b\,c}},\ \sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{a\,c}},\ C = 180° - (A+B)$
a, b, c	Area	$s = \frac{a+b+c}{2},\ \text{area} = \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	$\text{area} = \frac{b\,c \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

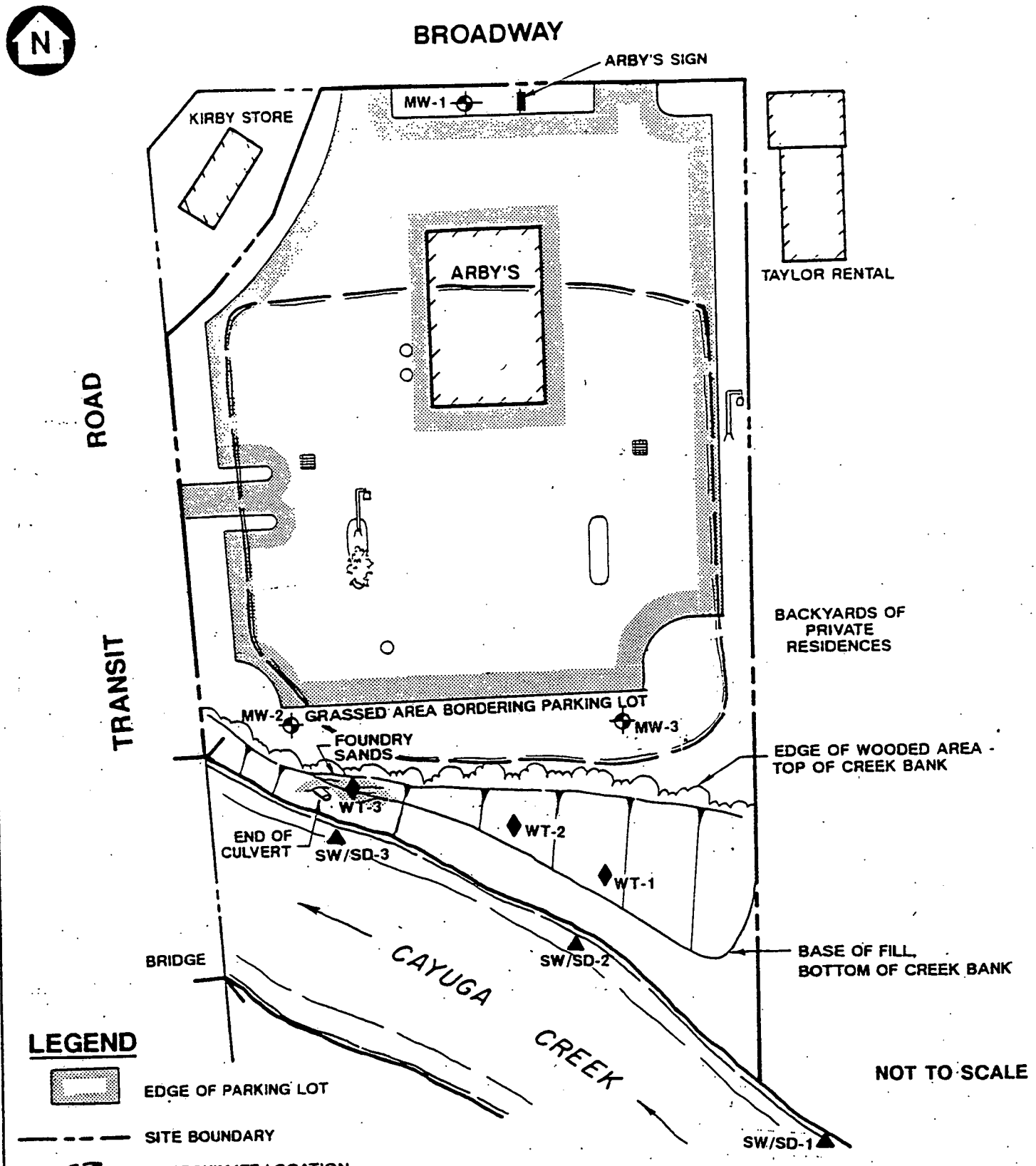
REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = 5° 10′. Since cos 5° 10′ = .9959, horizontal distance = 319.4 × .9959 = 318.09 ft.

Horizontal distance also = Slope distance minus slope distance times (1 − cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. Cosine 5° 10′ = .9959. 1 − .9959 = .0041. 319.4 × .0041 = 1.31. 319.4 − 1.31 = 318.09 ft.

When the rise is known, the horizontal distance is approximately the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.



SITE NO. 915082
LOCATION: VILLAGE OF DEPEW, ERIE, NEW YORK

FIGURE 4-1
EXPLORATION LOCATIONS
STOCK'S POND
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

ECJORDANCO

7089-20

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphrous
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☒ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 33. Metals—Soil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240)
- ☐ 41. BNA—(USEPA 8270)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
David Lochy	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8 6 92	1150

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☐ Groundwater ☒ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5H0912	10801	5A5613 1A	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND SW/SD-1			

SPDES NUMBER/REGISTRY NUMBER	FLOW GPD MGD
1911501812	

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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Print legibly

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- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphrous
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

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- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
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- ☐ 33. Metals—Soil/Sediment
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- ☐ 34. Cyanide—Soils/Sediment
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- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240)
- ☐ 41. BNA—(USEPA 8270)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8.6.92	1155

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
SH0912	10801S	A5G311B	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND SW/SD-1			

SPDES NUMBER/REGISTRY NUMBER	FLOW
9 1 1 5 0 8 2	GPD MGD

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphrous
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☒ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 33. Metals—Soil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240)
- ☐ 41. BNA—(USEPA 8270)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8.6.92	1216

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☐ Groundwater ☒ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5H0912	108105	A5631 2A	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCK'S POND SW1SD-2			

SPDES NUMBER/REGISTRY NUMBER	FLOW GPD MGD
9 1 1 5 0 1 8 1 2	

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphrous
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☒ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 33. Metals—Soil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240)
- ☐ 41. BNA—(USEPA 8270)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8-6-92	1220

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
21401912	10810	AS6312B	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND SW/52-2			

SPDES NUMBER/REGISTRY NUMBER	FLOW GPD MGD
9 1 1 5 T 0 2 1 2	

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 10. pH
- ☐ 13. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphrous
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 9. BOD
- ☐ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Reactive Phosphorus
- ☐ 21. Total Phenols
- ☐ 60. PCB's congener method
- ☐ 64. Total Solids
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☒ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—Soil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 39. Corrosivity
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 45. Reactivity
- ☐ 48. Other _____
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 40. VOA—(USEPA 8240)
- ☐ 43. TCLP
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 63. Percent Solids
- ☐ 38. Ignitability
- ☐ 41. BNA—(USEPA 8270)
- ☐ 44. TCLP (Metals Only)
- ☐ 47. Appendix IX
- ☐ 68. Metals

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8.6.92	1240

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☒ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5H0912	10810	A56134	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND SW/SD-3			

SPDES NUMBER/REGISTRY NUMBER	FLOW
9 1 5 7 0 1 8 2	GPD MGD

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphrous
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☒ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 33. Metals—Soil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240)
- ☐ 41. BNA—(USEPA 8270)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8 6 92	1245

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5H0912	108015	A5T63138	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

STOCKS POND

SW/SD-3

Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER	FLOW
1911501812	GPD MGD

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 10. pH
- ☐ 13. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphrous
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 9. BOD
- ☐ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Reactive Phosphorus
- ☐ 21. Total Phenols
- ☐ 60. PCB's congener method
- ☐ 64. Total Solids
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☒ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—Soil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☒ 39. Corrosivity
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 45. Reactivity
- ☐ 48. Other _____
- ☒ 37. EP Toxicity (Metals Only)
- ☐ 40. VOA—(USEPA 8240)
- ☐ 43. TCLP
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 63. Percent Solids
- ☐ 38. Ignitability
- ☐ 41. BNA—(USEPA 8270)
- ☐ 44. TCLP (Metals Only)
- ☐ 47. Appendix IX
- ☐ 68. Metals

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: DAVID LOCEY		TELEPHONE NUMBER: 716 851 7220	REGION NO: 9
CONTRACT LAB: RECRA	COUNTY: ERIE	SAMPLING DATE: 8.6.92	MILITARY TIME: 1205

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5141912	108105	A5G3104	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND WT-1	SPDES NUMBER/REGISTRY NUMBER: 9 1 1 5 0 1 8 1 2		FLOW GPD MGD

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 10. pH
- ☐ 13. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphrous
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 9. BOD
- ☐ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Reactive Phosphorus
- ☐ 21. Total Phenols
- ☐ 60. PCB's congener method
- ☐ 64. Total Solids
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☒ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—Soil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☒ 39. Corrosivity
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 45. Reactivity
- ☐ 48. Other _____
- ☒ 37. EP Toxicity (Metals Only)
- ☐ 40. VOA—(USEPA 8240)
- ☐ 43. TCLP
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 63. Percent Solids
- ☐ 38. Ignitability
- ☐ 41. BNA—(USEPA 8270)
- ☐ 44. TCLP (Metals Only)
- ☐ 47. Appendix IX
- ☐ 68. Metals

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8-6-92	1215

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5141912	10801S	A5T6310S	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND WT-2			

SPDES NUMBER/REGISTRY NUMBER	FLOW GPD MGD
9115012	

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 10. pH
- ☐ 13. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphrous
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 9. BOD
- ☐ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Reactive Phosphorus
- ☐ 21. Total Phenols
- ☐ 60. PCB's congener method
- ☐ 64. Total Solids
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☒ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—Soil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☒ 39. Corrosivity
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 45. Reactivity
- ☐ 48. Other _____
- ☒ 37. EP Toxicity (Metals Only)
- ☐ 40. VOA—(USEPA 8240)
- ☐ 43. TCLP
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 63. Percent Solids
- ☐ 38. Ignitability
- ☐ 41. BNA—(USEPA 8270)
- ☐ 44. TCLP (Metals Only)
- ☐ 47. Appendix IX
- ☐ 68. Metals

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8.6.92	1240

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5H0912	10810	STA3016	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
STOCKS POND WT-3			

SPDES NUMBER/REGISTRY NUMBER	FLOW GPD MGD
NY 0108127	

74-15-1 (5/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 10. pH
- ☐ 13. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—USEPA 624 (GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphrous
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 9. BOD
- ☐ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Reactive Phosphorus
- ☐ 21. Total Phenols
- ☐ 60. PCB's congener method
- ☐ 64. Total Solids
- ☐ 65. Volatiles USEPA 524.2 (GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC-MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A/—Soils/Sediment—GC-MS (ASP #89-2)
- ☐ 31. VOA—Soils/Sediments—GC-MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—Soil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

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- ☐ 39. Corrosivity
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 45. Reactivity
- ☐ 48. Other _____
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 40. VOA—(USEPA 8240)
- ☐ 43. TCLP
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 63. Percent Solids
- ☐ 38. Ignitability
- ☐ 41. BNA—(USEPA 8270)
- ☐ 44. TCLP (Metals Only)
- ☐ 47. Appendix IX
- ☐ 68. Metals

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
DAVID LOCEY	716 851 7220	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
RECRA	ERIE	8 6 92	—

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☒ Other (Specify) TRIP BLANK - DI WATER

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
5 H 0 9 2	1 0 8 0 5	A 5 T 6 3 T B	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:
STOCK'S POND
TRIP BLANK

Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER: 1 9 1 1 S T 0 8 1 2

FLOW: GPD / MGD

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: SH092

SDG Number: 0805S

Contract Number: C002412

Sample Identification:

SH092 0805S A5541B	SD 104
SH092 0805S A5542B	105
SH092 0805S A5543B	106
SH092 0805S A5544B	107
SH092 0805S A5545B	103
SH092 0805S A5545B Matrix Spike	
SH092 0805S A5545B Matrix Spike Duplicate	
SH092 0805S A5545B Matrix Duplicate	
SH092 0805S A5546B	101
SH092 0805S A5547B	102 (DUP 101)
SH092 0805S A55408	WT 101
SH092 0805S A55409	WT 105
SH092 0805S A55410	WT 104
SH092 0805S A55411	WT 103
SH092 0805S A55412	WT 102
SH092 0805S A5631B	SD 1
SH092 0805S A5632B	SD 2
SH092 0805S A5633B	SD 3
SH092 0805S A56304	WT 1
SH092 0805S A56305	WT 2
SH092 0805S A56306	WT 3
Matrix Spike Blank	
Lab Control Sample	
VHB	

METHODOLOGY

Analyses were performed in accordance with the 1991 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic and Inorganic Data Comment Pages.

Results of the analyses of soils are corrected for moisture content and reported on a dry weight basis.

VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data was processed utilizing Finnigan Autoquantitation and QA Formaster software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

The letters "NL" found on the quantitation report is an abbreviation for "Not Looking For".

Samples SH092 08055 A55411, SH092 08055 A56305 and SH092 08055 A56306 all required re-analysis due to internal standard Chlorobenzene-d5 being outside quality control limits. The re-analysis samples SH092 08055 A55411 RE, SH092 08055 A56305 RE and SH092 08055 A56306 RE also exhibited internal standard Chlorobenzene-d5 as outside of quality control limits indicating sample matrix interference.

Samples SH092 08055 A5545B, SH092 08055 A5545B Matrix Spike and SH092 08055 A5545B Matrix Spike Duplicate all exhibited internal standard Chlorobenzene-d5 as outside quality control limits indicating sample matrix interference.

SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Finnigan Autoquantitation and QA Formaster software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

The TIC identification of PAH Derivative is an abbreviation for Polynuclear Aromatic Hydrocarbon Derivative.

In some cases an obscured sample spectrum was obtained due to sample matrix interference.

Semivolatile Method Blank 23 exhibited the presence of one (1) Tentatively identified compound.

Semivolatile Method Blank 90 exhibited the presence of three (3) Tentatively identified compounds.

The Matrix Spike Blank exhibited the spike % recovery for Pentachlorophenol as outside quality control limits.

Samples SH092 0805S A5545 Matrix Spike and SH092 0805S A5545 Matrix Spike Duplicate both exhibited the spike % recovery for Pentachlorophenol at 0%.

Samples SH092 0805S A56305, SH092 0805S A56305 RE, SH092 0805S A56330 and SH092 0805S A5633B RE all exhibited internal standard Perylene-d12 as outside quality control limits indicating sample matrix interference.

Sample SH092 0805S A5547B exhibited internal standards Phenanthrene-d10 and Chrysene-d12 as outside quality control limits. The reanalysis sample SH092 0805S A5547B RE exhibited internal standards Acenaphthene-d8 and Perylene-d12 as outside quality control limits.

Sample SH092 0805S A5541B exhibited internal standards 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthere-d8 and Phenanthrene-d10 as outside quality control limits. The reanalysis sample SH092 0805S A5541B RE exhibited internal standard Perylene-d12 as outside quality control limits.

Due to a Laboratory Preparation error, twice the amount of surrogates were added to sample SH092 0805S A55408.

PESTICIDES/PCB DATA

Initial calibration standard RESC01 analyzed on 8/24/92 at 08:18 exhibited surrogates Decachlorobiphenyl and Tetrachloro-m-xylene as outside the retention time windows on the DB1701 column.

Initial calibration standard PIB101 and sample SH092 0805S A5543B exhibited surrogate Tetrachloro-m-xylene as outside the retention time windows on the DB1701 column.

The DB608 column exhibited elevated recoveries for surrogate Decachlorobiphenyl due to matrix interference.

INORGANIC COMMENTS

Sample identifications have been abbreviated due to the character limitations of the software.

The extra zzzzzz's found on the form 14's of the flame Inorganic Data represent the re-zeroing of the instrument after each sample.

The Cyanide LCS's (Laboratory Control Sample) is from ERA Lot #210. The Mercury LCS is from ERA Lot #208.

" I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or her designee, as verified by the following signature."

Deborah J. Kinecki
Vice President

09/08/92
Date

RECRA ENVIRONMENTAL INC.

ORGANIC DATA COMMENT PAGE

Laboratory Name RECRA ENVIRONMENTAL, INC.

USEPA Defined Organic Data Qualifiers:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.

L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.

T - This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.

INORGANIC DATA COMMENT PAGE

Laboratory Name RECRA ENVIRONMENTAL, INC.

USEPA Defined Inorganic Data Qualifiers:

B - Indicates a value greater than or equal to the instrument detection limit but less than the contract required detection limit.

U - Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 100).

E - Indicates a value estimated or not reported due to the presence of interference.

S - Indicates value determined by Method of Standard Addition.

N - Indicates spike sample recovery is not within control limits.

* - Indicates duplicate analysis is not within control limits.

+ - Indicates the correlation coefficient for method of standard addition is less than 0.995.

M - Indicates duplicate injection results exceeded control limits.

W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.

L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
A56304

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015461

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H9236

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 15 Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Total Xylenes	12	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A56304

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015461

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H9236

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 15 Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 50

A56305

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9223

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 9 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Total Xylenes	11	U

1E

EPA SAMPLE NO. 51

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A56305

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9223

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 9 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. A56305RE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462RI

Sample wt/vol: 5.4 (g/mL) G Lab File ID: H9237

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 9 Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

EPA SAMPLE NO. 53

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A56305RE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462RI

Sample wt/vol: 5.4 (g/mL) G Lab File ID: H9237

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 9 Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: A56306

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463

Sample wt/vol: 5.2 (g/mL) G Lab File ID: H9224

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 12 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Total Xylenes	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A56306

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463

Sample wt/vol: 5.2 (g/mL) G Lab File ID: H9224

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 12 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
A56306RE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463RI

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9238

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 12 Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Total Xylenes	11	U

1E

EPA SAMPLE NO.

A56306RE

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463RI

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9238

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 12 Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: A5631B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015458

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9219

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 46 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	18	U
74-83-9	Bromomethane	18	U
75-01-4	Vinyl Chloride	18	U
75-00-3	Chloroethane	18	U
75-09-2	Methylene Chloride	18	U
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	18	U
75-35-4	1,1-Dichloroethene	18	U
75-34-3	1,1-Dichloroethane	18	U
540-59-0	1,2-Dichloroethene (total)	18	U
67-66-3	Chloroform	18	U
107-06-2	1,2-Dichloroethane	18	U
78-93-3	2-Butanone	35	
71-55-6	1,1,1-Trichloroethane	18	U
56-23-5	Carbon Tetrachloride	18	U
75-27-4	Bromodichloromethane	18	U
78-87-5	1,2-Dichloropropane	18	U
10061-01-5	cis-1,3-dichloropropene	18	U
79-01-6	Trichloroethene	18	U
124-48-1	Dibromochloromethane	18	U
79-00-5	1,1,2-Trichloroethane	18	U
71-43-2	Benzene	18	U
10061-02-6	trans-1,3-dichloropropene	18	U
75-25-2	Bromoform	18	U
108-10-1	4-Methyl-2-Pentanone	18	U
591-78-6	2-Hexanone	18	U
127-18-4	Tetrachloroethene	18	U
79-34-5	1,1,2,2-Tetrachloroethane	18	U
108-88-3	Toluene	21	
108-90-7	Chlorobenzene	18	U
100-41-4	Ethylbenzene	18	U
100-42-5	Styrene	18	U
1330-20-7	Total Xylenes	18	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A5631B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015458

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9219

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 46 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
A5632B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015459

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9220

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 36 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	15	U
67-64-1	Acetone	15	U
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Total Xylenes	15	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A5632B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015459

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9220

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 36 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
A5633B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9221

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 29 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Total Xylenes	14	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A5633B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H9221

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. 29 Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK90

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Lab File ID: H9215 Lab Sample ID: AM001191

Date Analyzed: 08/07/92 Time Analyzed: 1107

GC Column: SP-1000 ID: 2.00(mm) Heated Purge: (Y/N) Y

Instrument ID: I50H

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	A55408	AS015441	H9218	1315
02	A5546B	AS015439	H9217	1233
03	A56305	AS015462	H9223	1650
04	A56306	AS015463	H9224	1731
05	A5631B	AS015458	H9219	1359
06	A5632B	AS015459	H9220	1441
07	A5633B	AS015460	H9221	1524

COMMENTS: VBLK90
I50H

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK90

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001191

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H9215

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

EPA SAMPLE NO.

VBLK90

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001191

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H9215

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK91

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Lab File ID: H9233 Lab Sample ID: AM001176

Date Analyzed: 08/10/92 Time Analyzed: 1435

GC Column: SP-1000 ID: 2.00(mm) Heated Purge: (Y/N) Y

Instrument ID: I50H

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	A56304	AS015461	H9236	1629
02	A56305RE	AS015462RI	H9237	1707
03	A56306RE	AS015463RI	H9238	1745

COMMENTS: VBLK91
I50H

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK91

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H9233

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK91

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001176

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H9233

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/10/92

GC Column: SP-1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56304

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015461

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 9512W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	48	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	58	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	14	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	35	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56304

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015461

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 9512W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	22	BJ
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-Methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	470	
120-12-7	Anthracene	100	J
86-74-8	Carbazole	54	J
84-74-2	Di-n-Butylphthalate	48	J
206-44-0	Fluoranthene	690	
129-00-0	Pyrene	710	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	390	
218-01-9	Chrysene	410	
117-81-7	Bis(2-Ethylhexyl)Phthalate	790	B
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	530	
207-08-9	Benzo(k)Fluoranthene	250	J
50-32-8	Benzo(a)Pyrene	310	J
193-39-5	Indeno(1,2,3-cd)Pyrene	150	J
53-70-3	Dibenz(a,h)Anthracene	31	J
191-24-2	Benzo(g,h,i)Perylene	80	J

1F

EPA SAMPLE NO.

A56304

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015461

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 9512W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.90	1500	J
2.		OXYGENATED COMPOUND	22.52	630	J
3.		UNKNOWN	26.15	1400	J
4.		UNKNOWN HYDROCARBON	27.85	180	J
5.		UNKNOWN ACID	28.62	390	J
6.		UNKNOWN	29.08	1000	J
7.		PAH DERIVATIVE	29.42	220	J
8.		UNKNOWN	29.53	75	J
9.		UNKNOWN HYDROCARBON	30.18	110	J
10.		UNKNOWN	31.05	88	J
11.		UNKNOWN	31.38	99	J
12.		UNKNOWN	32.87	370	J
13.		UNKNOWN HYDROCARBON	33.68	150	J
14.		LONG CHAIN SATURATED HYDROCA	34.35	2000	J
15.		LONG CHAIN SATURATED HYDROCA	35.27	210	J
16.		UNKNOWN	35.42	260	J
17.		UNKNOWN HYDROCARBON	35.65	980	J
18.		UNKNOWN HYDROCARBON	36.32	1100	J
19.		LONG CHAIN SATURATED HYDROCA	38.48	780	J
20.		PAH DERIVATIVE	36.08	170	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56305

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9515W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	220	J
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	170	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	78	J
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	450	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56305

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9515W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	320	J
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	18	BJ
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	490	
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-Methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	3000	E
120-12-7	Anthracene	910	
86-74-8	Carbazole	650	
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	3400	E
129-00-0	Pyrene	6400	E
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	2800	
218-01-9	Chrysene	2200	
117-81-7	Bis(2-Ethylhexyl)Phthalate	1700	B
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	3900	E
207-08-9	Benzo(k)Fluoranthene	1300	
50-32-8	Benzo(a)Pyrene	2100	
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	
53-70-3	Dibenz(a,h)Anthracene	240	J
191-24-2	Benzo(g,h,i)Perylene	640	

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A56305

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9515W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		SATURATED HYDROCARBON	25.33	580	J
2.		PAH DERIVATIVE	25.62	840	J
3.		UNKNOWN	25.85	1400	J
4.		LONG CHAIN SATURATED HYDROCA	26.65	520	J
5.		UNKNOWN	28.65	2000	J
6.		UNKNOWN	29.13	5700	J
7.		PAH DERIVATIVE	29.57	4700	J
8.		PAH DERIVATIVE	29.77	1900	J
9.		PAH DERIVATIVE	29.85	1900	J
10.		PAH DERIVATIVE	30.12	990	J
11.		UNKNOWN HYDROCARBON	30.22	1400	J
12.		PAH DERIVATIVE	31.13	1700	J
13.		LONG CHAIN SATURATED HYDROCA	31.32	850	J
14.		UNKNOWN	31.47	1400	J
15.		UNKNOWN	31.58	1700	J
16.		UNKNOWN	31.70	1200	J
17.		PAH DERIVATIVE	31.80	930	J
18.		UNKNOWN	32.90	1500	J
19.		PAH DERIVATIVE	33.05	1000	J
20.		UNKNOWN HYDROCARBON	33.37	1100	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56305DL

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462DL

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9529W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	700	U
111-44-4	bis(2-Chloroethyl)Ether	700	U
95-57-8	2-Chlorophenol	700	U
541-73-1	1,3-Dichlorobenzene	700	U
106-46-7	1,4-Dichlorobenzene	700	U
95-50-1	1,2-Dichlorobenzene	700	U
95-48-7	2-Methylphenol	700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	700	U
106-44-5	4-Methylphenol	700	U
621-64-7	N-Nitroso-Di-n-Propylamine	700	U
67-72-1	Hexachloroethane	700	U
98-95-3	Nitrobenzene	700	U
78-59-1	Isophorone	700	U
88-75-5	2-Nitrophenol	700	U
105-67-9	2,4-Dimethylphenol	700	U
111-91-1	bis(2-Chloroethoxy)Methane	700	U
120-83-2	2,4-Dichlorophenol	700	U
120-82-1	1,2,4-Trichlorobenzene	700	U
91-20-3	Naphthalene	210	DJ
106-47-8	4-Chloroaniline	700	U
87-68-3	Hexachlorobutadiene	700	U
59-50-7	4-Chloro-3-Methylphenol	700	U
91-57-6	2-Methylnaphthalene	180	DJ
77-47-4	Hexachlorocyclopentadiene	700	U
88-06-2	2,4,6-Trichlorophenol	700	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	700	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	700	U
208-96-8	Acenaphthylene	76	DJ
606-20-2	2,6-Dinitrotoluene	700	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	410	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 113

A56305DL

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462DL

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9529W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	19	DJ
121-14-2	2,4-Dinitrotoluene	700	U
84-66-2	Diethylphthalate	19	BDJ
7005-72-3	4-Chlorophenyl-phenylether	700	U
86-73-7	Fluorene	470	DJ
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	700	U
101-55-3	4-Bromophenyl-phenylether	700	U
118-74-1	Hexachlorobenzene	700	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	3500	D
120-12-7	Anthracene	880	D
86-74-8	Carbazole	600	DJ
84-74-2	Di-n-Butylphthalate	700	U
206-44-0	Fluoranthene	4200	D
129-00-0	Pyrene	4000	D
85-68-7	Butylbenzylphthalate	700	U
91-94-1	3,3'-Dichlorobenzidine	700	U
56-55-3	Benzo(a)Anthracene	2600	D
218-01-9	Chrysene	2100	D
117-81-7	Bis(2-Ethylhexyl)Phthalate	1100	BD
117-84-0	Di-n-Octyl Phthalate	700	U
205-99-2	Benzo(b)Fluoranthene	3000	D
207-08-9	Benzo(k)Fluoranthene	1100	D
50-32-8	Benzo(a)Pyrene	1900	D
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	D
53-70-3	Dibenz(a,h)Anthracene	250	DJ
191-24-2	Benzo(g,h,i)Perylene	740	D

1F

EPA SAMPLE NO.

A56305DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462DL

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9529W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		PAH DERIVATIVE	25.87	1100	J
2.		PAH DERIVATIVE	29.58	1200	J
3.		PAH DERIVATIVE	29.78	530	J
4.		PAH DERIVATIVE	29.87	440	J
5.		UNKNOWN	30.25	380	J
6.		PAH DERIVATIVE	31.17	560	J
7.		UNKNOWN	31.50	490	J
8.		UNKNOWN	31.62	510	J
9.		UNKNOWN	31.73	420	J
10.		PAH DERIVATIVE	31.85	410	J
11.		PAH DERIVATIVE	32.63	400	J
12.		UNKNOWN	32.95	680	J
13.		PAH DERIVATIVE	33.10	400	J
14.		UNKNOWN	33.42	360	J
15.		PAH DERIVATIVE	33.58	420	J
16.		UNKNOWN	33.92	250	J
17.		UNKNOWN HYDROCARBON	34.40	250	J
18.		UNKNOWN	35.37	240	J
19.		PAH DERIVATIVE	35.75	480	J
20.		PAH DERIVATIVE	36.27	1300	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56305RE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462RI

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9545W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/28/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	250	J
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	200	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	88	J
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	470	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56305RE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462RI

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9545W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/28/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	340	J
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	21	BJ
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	550	
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-Methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	3800	E
120-12-7	Anthracene	960	
86-74-8	Carbazole	740	
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	3900	E
129-00-0	Pyrene	4800	E
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	2500	
218-01-9	Chrysene	2800	
117-81-7	Bis(2-Ethylhexyl)Phthalate	1500	B
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	4000	E
207-08-9	Benzo(k)Fluoranthene	1600	
50-32-8	Benzo(a)Pyrene	2300	
193-39-5	Indeno(1,2,3-cd)Pyrene	730	
53-70-3	Dibenz(a,h)Anthracene	220	J
191-24-2	Benzo(g,h,i)Perylene	420	

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A56305RE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462RI

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 9545W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/28/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		PAH DERIVATIVE	25.52	870	J
2.		PAH DERIVATIVE	25.73	1400	J
3.		UNKNOWN	28.53	1400	J
4.		PAH DERIVATIVE	29.45	1400	J
5.		PAH DERIVATIVE	29.65	1100	J
6.		PAH DERIVATIVE	29.73	1300	J
7.		PAH DERIVATIVE	30.78	1400	J
8.		UNKNOWN	31.35	1200	J
9.		UNKNOWN	31.47	1200	J
10.		UNKNOWN	31.58	980	J
11.		PAH DERIVATIVE	31.70	1100	J
12.		PAH DERIVATIVE	32.48	750	J
13.		UNKNOWN	32.80	990	J
14.		PAH DERIVATIVE	32.93	820	J
15.		UNKNOWN HYDROCARBON	33.27	830	J
16.		PAH DERIVATIVE	33.42	730	J
17.		SATURATED HYDROCARBON	35.90	950	J
18.		PAH DERIVATIVE	36.05	1600	J
19.		PAH DERIVATIVE	36.42	810	J
20.		LONG CHAIN SATURATED HYDROCA	31.22	670	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56306

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 9511W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	26	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	56	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	8	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56306

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 9511W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	18	BJ
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-Methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	24	J
86-74-8	Carbazole	14	J
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	260	J
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	13	J
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	140	J
218-01-9	Chrysene	180	J
117-81-7	Bis(2-Ethylhexyl)Phthalate	310	BJ
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	230	J
207-08-9	Benzo(k)Fluoranthene	90	J
50-32-8	Benzo(a)Pyrene	130	J
193-39-5	Indeno(1,2,3-cd)Pyrene	54	J
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	39	J

1F

EPA SAMPLE NO.

A56306

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 9511W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.88	1100	J
2.		UNKNOWN	8.22	600	J
3.		SATURATED HYDROCARBON	19.42	210	J
4.		UNKNOWN	22.52	560	J
5.		SATURATED HYDROCARBON	25.32	260	J
6.		UNKNOWN	26.10	400	J
7.		LONG CHAIN SATURATED HYDROCA	26.62	220	J
8.		UNKNOWN HYDROCARBON	27.85	200	J
9.		UNKNOWN ACID	28.60	240	J
10.		UNKNOWN	28.87	67	J
11.		PAH DERIVATIVE	29.42	140	J
12.		UNKNOWN	29.53	85	J
13.		UNKNOWN HYDROCARBON	30.18	100	J
14.		UNKNWON	32.85	270	J
15.		LONG CHAIN SATURATED HYDROCA	34.33	240	J
16.		UNKNOWN	35.42	92	J
17.		UNKNOWN HYDROCARBON	35.63	220	J
18.		UNKNOWN HYDROCARBON	36.33	470	J
19.		PAH DERIVATIVE	38.32	59	J
20.		SATURATED HYDROCARBON	38.47	120	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A5631B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015458

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 9531W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 38 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/27/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	20	J
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl Phthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	71	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5631B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015458

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 9531W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 38 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	39	J
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	34	BJ
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	880	
120-12-7	Anthracene	200	J
86-74-8	Carbazole	110	J
84-74-2	Di-n-Butylphthalate	520	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	51	J
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)Anthracene	640	
218-01-9	Chrysene	680	
117-81-7	Bis(2-Ethylhexyl)Phthalate	3400	B
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b)Fluoranthene	910	
207-08-9	Benzo(k)Fluoranthene	540	
50-32-8	Benzo(a)Pyrene	500	J
193-39-5	Indeno(1,2,3-cd)Pyrene	360	J
53-70-3	Dibenz(a,h)Anthracene	520	U
191-24-2	Benzo(g,h,i)Perylene	250	J

1F

EPA SAMPLE NO.

A5631B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015458

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 9531W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 38 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	26.32	2600	J
2.		UNKNOWN ACID	28.78	1100	J
3.		UNKNOWN	29.28	270	J
4.		SATURATED HYDROCARBON	30.30	440	J
5.		UNKNOWN	31.67	400	J
6.		UNKNOWN	32.13	160	J
7.		UNKNOWN	33.15	300	J
8.		UNKNOWN HYDROCARBON	33.82	420	J
9.		UNKNOWN	33.92	400	J
10.		UNKNOWN	34.17	470	J
11.		LONG CHAIN SATURATED HYDROCA	34.52	2600	J
12.		UNKNOWN	35.03	210	J
13.		UNKNOWN	35.12	210	J
14.		LONG CHAIN SATURATED HYDROCA	35.40	450	J
15.		UNKNOWN HYDROCARBON	35.78	1200	J
16.		UNKNOWN HYDROCARBON	36.52	2000	J
17.		UNKNOWN	36.93	700	J
18.		UNKNOWN HYDROCARBON	37.95	510	J
19.		LONG CHAIN SATURATED HYDROCA	38.67	710	J

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A5632B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015459

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 9530W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 34 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)Ether	490	U
95-57-8	2-Chlorophenol	490	U
541-73-1	1,3-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
95-50-1	1,2-Dichlorobenzene	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-Di-n-Propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)Methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
120-82-1	1,2,4-Trichlorobenzene	490	U
91-20-3	Naphthalene	15	J
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
59-50-7	4-Chloro-3-Methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	490	U
208-96-8	Acenaphthylene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	26	J

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A5632B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015459

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 9530W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 34 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	490	U
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	25	BJ
7005-72-3	4-Chlorophenyl-phenylether	490	U
86-73-7	Fluorene	38	J
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	46	J
86-74-8	Carbazole	38	J
84-74-2	Di-n-Butylphthalate	72	J
206-44-0	Fluoranthene	430	J
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	37	J
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)Anthracene	190	J
218-01-9	Chrysene	220	J
117-81-7	Bis(2-Ethylhexyl)Phthalate	180	BJ
117-84-0	Di-n-Octyl Phthalate	490	U
205-99-2	Benzo(b)Fluoranthene	280	J
207-08-9	Benzo(k)Fluoranthene	150	J
50-32-8	Benzo(a)Pyrene	170	J
193-39-5	Indeno(1,2,3-cd)Pyrene	110	J
53-70-3	Dibenz(a,h)Anthracene	490	U
191-24-2	Benzo(g,h,i)Perylene	90	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A5632B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015459

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 9530W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 34 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/27/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.87	1000	J
2.		UNKNOWN	8.60	1300	J
3.		UNKNOWN ACID	20.50	580	J
4.		UNKNOWN HYDROCARBON	22.57	280	J
5.		SATURATED HYDROCARBON	25.37	180	J
6.		UNKNOWN	25.98	1200	J
7.		UNKNOWN	26.25	790	J
8.		UNKNOWN	28.33	270	J
9.		UNKNOWN ACID	28.72	390	J
10.		UNKNOWN	32.97	180	J
11.		UNKNOWN	33.45	250	J
12.		UNKNOWN	34.17	300	J
13.		LONG CHAIN SATURATED HYDROCA	34.43	300	J
14.		UNKNOWN	34.63	350	J
15.		UNKNOWN	35.38	170	J
16.		UNKNOWN	35.75	370	J
17.		LONG CHAIN SATURATED HYDROCA	36.33	420	J
18.		UNKNOWN	37.40	110	J
19.		LONG CHAIN SATURATED HYDROCA	38.62	270	J
20.		UNKNOWN	39.63	140	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9514W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	24	J
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	31	J
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	470	U
208-96-8	Acenaphthylene	25	J
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	150	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9514W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	88	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	27	BJ
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	200	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	380	J
86-74-8	Carbazole	250	J
84-74-2	Di-n-Butylphthalate	120	J
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	4100	E
85-68-7	Butylbenzylphthalate	87	J
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)Anthracene	1300	
218-01-9	Chrysene	1500	
117-81-7	Bis(2-Ethylhexyl)Phthalate	2100	B
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo(b)Fluoranthene	2400	
207-08-9	Benzo(k)Fluoranthene	1100	
50-32-8	Benzo(a)Pyrene	1500	
193-39-5	Indeno(1,2,3-cd)Pyrene	800	
53-70-3	Dibenz(a,h)Anthracene	140	J
191-24-2	Benzo(g,h,i)Perylene	540	

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A5633B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9514W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/25/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	25.32	450	J
2.		UNKNOWN	26.15	590	J
3.		SATURATED HYDROCARBON	26.63	210	J
4.		LONG CHAIN SATURATED HYDROCA	27.87	250	J
5.		UNKNOWN ACID	28.63	330	J
6.		UNKNOWN	28.83	130	J
7.		PAH DERIVATIVE	29.52	400	J
8.		PAH DERIVATIVE	29.72	300	J
9.		SATURATED HYDROCARBON	30.20	210	J
10.		UNKNOWN	30.58	320	J
11.		UNKNOWN	31.08	190	J
12.		LONG CHAIN SATURATED HYDROCA	31.30	180	J
13.		PAH DERIVATIVE	31.53	160	J
14.		PAH DERIVATIVE	32.53	130	J
15.		UNKNOWN	32.87	170	J
16.		UNKNOWN HYDROCARBON	33.35	200	J
17.		LONG CHAIN SATURATED HYDROCA	34.33	540	J
18.		UNKNOWN	35.65	990	J
19.		PAH DERIVATIVE	36.12	1500	J
20.		UNKNOWN	36.52	1600	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633BDL

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460DL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9528W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	950	U
111-44-4	bis(2-Chloroethyl)Ether	950	U
95-57-8	2-Chlorophenol	950	U
541-73-1	1,3-Dichlorobenzene	950	U
106-46-7	1,4-Dichlorobenzene	950	U
95-50-1	1,2-Dichlorobenzene	950	U
95-48-7	2-Methylphenol	950	U
108-60-1	2,2'-oxybis(1-Chloropropane)	950	U
106-44-5	4-Methylphenol	950	U
621-64-7	N-Nitroso-Di-n-Propylamine	950	U
67-72-1	Hexachloroethane	950	U
98-95-3	Nitrobenzene	950	U
78-59-1	Isophorone	950	U
88-75-5	2-Nitrophenol	950	U
105-67-9	2,4-Dimethylphenol	950	U
111-91-1	bis(2-Chloroethoxy)Methane	950	U
120-83-2	2,4-Dichlorophenol	950	U
120-82-1	1,2,4-Trichlorobenzene	950	U
91-20-3	Naphthalene	950	U
106-47-8	4-Chloroaniline	950	U
87-68-3	Hexachlorobutadiene	950	U
59-50-7	4-Chloro-3-Methylphenol	950	U
91-57-6	2-Methylnaphthalene	31	DJ
77-47-4	Hexachlorocyclopentadiene	950	U
88-06-2	2,4,6-Trichlorophenol	950	U
95-95-4	2,4,5-Trichlorophenol	2300	U
91-58-7	2-Chloronaphthalene	950	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethyl Phthalate	950	U
208-96-8	Acenaphthylene	950	U
606-20-2	2,6-Dinitrotoluene	950	U
99-09-2	3-Nitroaniline	2300	U
83-32-9	Acenaphthene	130	DJ

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A5633BDL

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460DL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9528W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2300	U
100-02-7	4-Nitrophenol	2300	U
132-64-9	Dibenzofuran	79	DJ
121-14-2	2,4-Dinitrotoluene	950	U
84-66-2	Diethylphthalate	25	BDJ
7005-72-3	4-Chlorophenyl-phenylether	950	U
86-73-7	Fluorene	190	DJ
100-01-6	4-Nitroaniline	2300	U
534-52-1	4,6-Dinitro-2-Methylphenol	2300	U
86-30-6	N-Nitrosodiphenylamine (1)	950	U
101-55-3	4-Bromophenyl-phenylether	950	U
118-74-1	Hexachlorobenzene	950	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	1600	D
120-12-7	Anthracene	350	DJ
86-74-8	Carbazole	230	DJ
84-74-2	Di-n-Butylphthalate	120	DJ
206-44-0	Fluoranthene	2700	D
129-00-0	Pyrene	2500	D
85-68-7	Butylbenzylphthalate	47	DJ
91-94-1	3,3'-Dichlorobenzidine	950	U
56-55-3	Benzo(a)Anthracene	1200	D
218-01-9	Chrysene	1500	D
117-81-7	Bis(2-Ethylhexyl)Phthalate	1500	BD
117-84-0	Di-n-Octyl Phthalate	950	U
205-99-2	Benzo(b)Fluoranthene	2200	D
207-08-9	Benzo(k)Fluoranthene	990	D
50-32-8	Benzo(a)Pyrene	1500	D
193-39-5	Indeno(1,2,3-cd)Pyrene	890	DJ
53-70-3	Dibenz(a,h)Anthracene	160	DJ
191-24-2	Benzo(g,h,i)Perylene	630	DJ

1F

EPA SAMPLE NO.

A5633BDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460DL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9528W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	26.15	940	J
2.		UNKNOWN HYDROCARBON	27.90	380	J
3.		UNKNOWN ACID	28.65	350	J
4.		PAH DERIVATIVE	29.53	450	J
5.		PAH DERIVATIVE	29.75	260	J
6.		SATURATED HYDROCARBON	30.23	230	J
7.		UNKNOWN	30.40	420	J
8.		UNKNOWN	30.62	250	J
9.		PAH DERIVATIVE	31.58	210	J
10.		UNKNOWN	32.92	390	J
11.		LONG CHAIN SATURATED HYDROCA	33.40	290	J
12.		UNKNOWN	34.08	700	J
13.		LONG CHAIN SATURATED HYDROCA	34.38	410	J
14.		LONG CHAIN SATURATED HYDROCA	35.33	390	J
15.		PAH DERIVATIVE	35.72	650	J
16.		PAH DERIVATIVE	36.22	1100	J
17.		LONG CHAIN SATURATED HYDROCA	36.30	1100	J
18.		UNKNOWN	36.72	1000	J
19.		UNKNOWN HYDROCARBON	37.35	230	J
20.		LONG CHAIN SATURATED HYDROCA	38.58	630	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633BRE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460RI

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9544W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/28/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	26	J
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	36	J
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	470	U
208-96-8	Acenaphthylene	29	J
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	160	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633BRE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460RI

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9544W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/28/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	96	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	30	BJ
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	230	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1900	
120-12-7	Anthracene	400	J
86-74-8	Carbazole	300	J
84-74-2	Di-n-Butylphthalate	150	J
206-44-0	Fluoranthene	2800	
129-00-0	Pyrene	3200	
85-68-7	Butylbenzylphthalate	83	J
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)Anthracene	1300	
218-01-9	Chrysene	2000	
117-81-7	Bis(2-Ethylhexyl)Phthalate	1900	B
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo(b)Fluoranthene	3300	
207-08-9	Benzo(k)Fluoranthene	1300	
50-32-8	Benzo(a)Pyrene	1900	
193-39-5	Indeno(1,2,3-cd)Pyrene	610	
53-70-3	Dibenz(a,h)Anthracene	130	J
191-24-2	Benzo(g,h,i)Perylene	390	J

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A5633BRE

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460RI

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 9544W

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: 31 decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/28/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	26.07	930	J
2.		UNKNOWN HYDROCARBON	27.77	520	J
3.		UNKNOWN ACID	28.53	400	J
4.		PAH DERIVATIVE	29.40	410	J
5.		PAH DERIVATIVE	29.60	240	J
6.		LONG CHAIN SATURATED HYDROCA	30.10	180	J
7.		UNKNOWN	30.25	240	J
8.		UNKNOWN	30.47	260	J
9.		UNKNOWN	30.58	88	J
10.		PAH DERIVATIVE	30.97	220	J
11.		LONG CHAIN SATURATED HYDROCA	31.20	180	J
12.		UNKNOWN	31.32	150	J
13.		UNKNOWN	31.43	180	J
14.		UNKNOWN	31.55	180	J
15.		UNKNOWN	32.75	200	J
16.		LONG CHAIN SATURATED HYDROCA	33.25	180	J
17.		UNKNOWN	33.62	98	J
18.		LONG CHAIN SATURATED HYDROCA	34.23	280	J
19.		UNKNOWN HYDROCARBON	35.17	140	J
20.		LONG CHAIN SATURATED HYDROCA	36.10	530	J

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK23

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Lab File ID: 9525W Lab Sample ID: AM001243

Instrument ID: I50W Date Extracted: 08/11/92

Matrix: (soil/water) SOIL Date Analyzed: 08/26/92

Level: (low/med) LOW Time Analyzed: 2034

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A56304	AS015461	9512W	08/25/92
02	A56305	AS015462	9515W	08/25/92
03	A56305DL	AS015462DL	9529W	08/26/92
04	A56305RE	AS015462RI	9545W	08/28/92
05	A56306	AS015463	9511W	08/25/92
06	A5631B	AS015458	9531W	08/27/92
07	A5632B	AS015459	9530W	08/27/92
08	A5633B	AS015460	9514W	08/25/92
09	A5633BDL	AS015460DL	9528W	08/26/92
10	A5633BRE	AS015460RI	9544W	08/28/92

COMMENTS: SBLK23 JOB 2372 SS6519
AUTOSAMPLR I50W

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK23

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001243

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 9525W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK23

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001243

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 9525W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	9	J
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-Methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	28	J
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK23

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AM001243

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 9525W

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/11/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/26/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	930-68-7	2-CYCLOHEXEN-1-ONE	8.17	120	JN

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5631B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015458

Sample wt/vol: 30.7 (g/mL) G Lab File ID: _____

% Moisture: 38 decanted: (Y/N) N Date Received: 08/16/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/27/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	13	P
72-55-9	4,4'-DDE	4.2	J
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	0.63	JP
72-54-8	4,4'-DDD	4.4	JP
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	3.8	JP
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.2	U
7421-93-4	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.1	JP
5103-74-2	gamma-Chlordane	1.2	JP
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5632B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015459

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 34 decanted: (Y/N) N Date Received: 08/16/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/27/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.0	U
72-55-9	4,4'-DDE	1.8	J
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	0.56	JP
72-54-8	4,4'-DDD	3.9	JP
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.0	U
7421-93-4	Endrin aldehyde	1.4	JP
5103-71-9	alpha-Chlordane	2.5	J
5103-74-2	gamma-Chlordane	1.4	JP
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633B

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015460

Sample wt/vol: 30.7 (g/mL) G Lab File ID: _____

% Moisture: 31 decanted: (Y/N) N Date Received: 08/16/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/27/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	2.7	JP
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-93-4	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	1.1	JP
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56304

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015461

Sample wt/vol: 31.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 08/16/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	2.9	JP
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	9.3	P
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	7.8	P
5103-71-9	alpha-Chlordane	0.49	J
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56305

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015462

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 08/16/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.7	JP
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.4	JP
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A56306

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AS015463

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 08/16/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/28/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	0.92	J
72-20-8	Endrin	2.3	JP
33213-65-9	Endosulfan II	0.76	JP
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.3	J
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	7.7	P
5103-71-9	alpha-Chlordane	0.48	JP
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK58

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Lab Sample ID: AG000352 Lab File ID: _____

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 08/16/92

Date Analyzed (1): 08/27/92 Date Analyzed (2): 08/27/92

Time Analyzed (1): 2017 Time Analyzed (2): 2017

Instrument ID (1): 5890A9 Instrument ID (2): 5890B9

GC Column (1): DB608 ID: 0.53 (mm) GC Column (2): DB1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	A56304	AS015461	08/28/92	08/28/92
02	A56305	AS015462	08/28/92	08/28/92
03	A56306	AS015463	08/28/92	08/28/92
04	A5631B	AS015458	08/27/92	08/27/92
05	A5632B	AS015459	08/27/92	08/27/92
06	A5633B	AS015460	08/27/92	08/27/92

COMMENTS:

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK58

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix: (soil/water) SOIL Lab Sample ID: AG000352

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/27/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

NYSDEC-ASP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092_ SAS No.: _____ SDG No.:08-05S

Version: ASP91

NYSDEC Sample No.	Lab Sample ID
_A55408_____	__8136_____
_A55408_____	__8322_____
_A55409_____	__8137_____
_A55409_____	__8323_____
_A5541B_____	__8127_____
_A5541B_____	__8313_____
_A55410_____	__8138_____
_A55410_____	__8324_____
_A55411_____	__8139_____
_A55411_____	__8325_____
_A55412_____	__8140_____
_A55412_____	__8326_____
_A5542B_____	__8314_____
_A5542B_____	__8128_____
_A5543B_____	__8315_____
_A5543B_____	__8129_____
_A5544B_____	__8316_____
_A5544B_____	__8130_____
_A5545B_____	__8317_____
_A5545BD____	__8318_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Deborah J Kinecki/mat Name: DEBORAH J. KINECKI_____

Date: 09/08/92 Title: VICE PRESIDENT, LABORATORY OPERATIONS

NYSDEC-ASP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092_ SAS No.: _____ SDG No.:08-05S

Version: ASP91

NYSDEC Sample No.	Lab Sample ID
_A5545BD_____	__8132_____
_A5545BS_____	__8319_____
_A5545BS_____	__8133_____
_A5545B_____	__8131_____
_A5546B_____	__8134_____
_A5546B_____	__8320_____
_A5547B_____	__8321_____
_A5547B_____	__8135_____
_A56304_____	__8144_____
_A56304_____	__8327_____
_A56305_____	__8145_____
_A56305_____	__8328_____
_A56306_____	__8146_____
_A56306_____	__8329_____
_A5631B_____	__8141_____
_A5632B_____	__8142_____
_A5633B_____	__8143_____
_____	_____
_____	_____
_____	_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

_____

_____

_____

_____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: DEBORAH J. KINECKI_____

Date: _____ Title: VICE PRESIDENT, LABORATORY OPERATIONS

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A56304

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): SOIL_ Lab Sample ID: 8144_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: _85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870			P
7440-36-0	Antimony	11.9	U	N	P
7440-38-2	Arsenic	3.6			F
7440-39-3	Barium	32.7	B		P
7440-41-7	Beryllium	1.2	U		P
7440-43-9	Cadmium	1.2	B	SN	F
7440-70-2	Calcium	12500			P
7440-47-3	Chromium	143			A
7440-48-4	Cobalt	4.8	U		P
7440-50-8	Copper	42.4			P
7439-89-6	Iron	15700			P
7439-92-1	Lead	100			P
7439-95-4	Magnesium	2800			P
7439-96-5	Manganese	1930			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	28.8			P
7440-09-7	Potassium	908	B		P
7782-49-2	Selenium	1.2	U	W	F
7440-22-4	Silver	0.09	B	N	F
7440-23-5	Sodium	364	B		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	17.5			P
7440-66-6	Zinc	111			P
	Cyanide	1.4	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015461_____

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A56304

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): WATER Lab Sample ID: 8327_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: ____0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__	5.0	U		F_
7440-39-3	Barium___	421	_		P_
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	5.0	U	*	P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	44.0	_		A_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	7.0	_	N	F_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	0.30	U	N	F_
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
_____	Cyanide__		_		NR
_____	_____		_		___

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

LAB_SAMPLE_ID:_AS015461

EP_TOXICITY_EXTRACTION

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A56305

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): SOIL_ Lab Sample ID: 8145_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: _91.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3000			P
7440-36-0	Antimony	11.1	U	N	P
7440-38-2	Arsenic	5.1			F
7440-39-3	Barium	55.9			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.29	B	N	F
7440-70-2	Calcium	68200			P
7440-47-3	Chromium	1080			A
7440-48-4	Cobalt	4.5	U		P
7440-50-8	Copper	71.2			P
7439-89-6	Iron	50100			P
7439-92-1	Lead	138			P
7439-95-4	Magnesium	9080			P
7439-96-5	Manganese	20100			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	250			P
7440-09-7	Potassium	410	B		P
7782-49-2	Selenium	1.1	U	W	F
7440-22-4	Silver	0.13	B	N	F
7440-23-5	Sodium	285	B		P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	151			P
7440-66-6	Zinc	56.3			P
	Cyanide	1.4	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015462_____

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A56305

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): WATER Lab Sample ID: 8328_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: ____0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__	5.0	U		F_
7440-39-3	Barium__	168	B		P_
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	5.0	U	*	P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	10.0	U		A_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron____		_		NR
7439-92-1	Lead____	17.0	_	N	F_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	0.30	U	N	F_
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc____		_		NR
_____	Cyanide__		_		NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015462_____

_____EP_TOXICITY_EXTRACTION_____

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A56306

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): SOIL_ Lab Sample ID: 8146_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: _88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3810			P
7440-36-0	Antimony	11.4	U	N	P
7440-38-2	Arsenic	2.3			F
7440-39-3	Barium	24.1	B		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.32	B	SN	F
7440-70-2	Calcium	17800			P
7440-47-3	Chromium	32.0			A
7440-48-4	Cobalt	4.6	U		P
7440-50-8	Copper	25.8			P
7439-89-6	Iron	11000			P
7439-92-1	Lead	73.6		N	F
7439-95-4	Magnesium	2610			P
7439-96-5	Manganese	886			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	15.3			P
7440-09-7	Potassium	766	B		P
7782-49-2	Selenium	1.1	U	W	F
7440-22-4	Silver	0.07	U	WN	F
7440-23-5	Sodium	370	B		P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	39.6			P
	Cyanide	1.4	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015463_____

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A56306

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): WATER Lab Sample ID: 8329_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: ____0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__	5.8	B		F_
7440-39-3	Barium___	110	B		P_
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	5.0	U	*	P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	10.0			A_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	6.0		N	F_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_	5.0	U		F_
7440-22-4	Silver___	0.30	U	N	F_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
_____	Cyanide__				NR
_____	_____				___

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID: AS015463_____

_____EP_TOXICITY_EXTRACTION_____

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.
A5631B

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): SOIL_ Lab Sample ID: 8141_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: _53.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3930			P
7440-36-0	Antimony	18.7	U	N	P
7440-38-2	Arsenic	2.6	B		F
7440-39-3	Barium	34.6	B		P
7440-41-7	Beryllium	1.9	U		P
7440-43-9	Cadmium	0.76	B	N	F
7440-70-2	Calcium	20700			P
7440-47-3	Chromium	10.4			A
7440-48-4	Cobalt	7.5	U		P
7440-50-8	Copper	25.0			P
7439-89-6	Iron	11200			P
7439-92-1	Lead	56.0		SN	F
7439-95-4	Magnesium	4450			P
7439-96-5	Manganese	198			P
7439-97-6	Mercury	0.17	U		CV
7440-02-0	Nickel	11.8	B		P
7440-09-7	Potassium	486	B		P
7782-49-2	Selenium	1.9	U		F
7440-22-4	Silver	0.11	U	N	F
7440-23-5	Sodium	451	B		P
7440-28-0	Thallium	1.9	U		F
7440-62-2	Vanadium	7.7	B		P
7440-66-6	Zinc	144			P
	Cyanide	2.3	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015458_____

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A5632B

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): SOIL_ Lab Sample ID: 8142_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: _84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3910			P
7440-36-0	Antimony	11.7	U	N	P
7440-38-2	Arsenic	2.4			F
7440-39-3	Barium	31.2	B		P
7440-41-7	Beryllium	1.2	U		P
7440-43-9	Cadmium	0.53	B	N	F
7440-70-2	Calcium	11300			P
7440-47-3	Chromium	14.5			A
7440-48-4	Cobalt	4.7	U		P
7440-50-8	Copper	24.6			P
7439-89-6	Iron	11000			P
7439-92-1	Lead	75.0		N	F
7439-95-4	Magnesium	3820			P
7439-96-5	Manganese	255			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	676	B		P
7782-49-2	Selenium	1.2	U	W	F
7440-22-4	Silver	0.07	U	SN	F
7440-23-5	Sodium	348	B		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	10.3	B		P
7440-66-6	Zinc	59.8			P
	Cyanide	1.5	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015459_____

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A5633B

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412___

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05S

Matrix (soil/water): SOIL_ Lab Sample ID: 8143_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: _71.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3450			P
7440-36-0	Antimony	22.5		N	P
7440-38-2	Arsenic	3.1			F
7440-39-3	Barium	25.9	B		P
7440-41-7	Beryllium	1.4	U		P
7440-43-9	Cadmium	0.56	B	+N	F
7440-70-2	Calcium	85600			P
7440-47-3	Chromium	11.7			A
7440-48-4	Cobalt	5.7	U		P
7440-50-8	Copper	19.4			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	36.7		+N	F
7439-95-4	Magnesium	7540			P
7439-96-5	Manganese	287			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	12.9			P
7440-09-7	Potassium	588	B		P
7782-49-2	Selenium	1.4	U	W	F
7440-22-4	Silver	0.08	U	N	F
7440-23-5	Sodium	432	B		P
7440-28-0	Thallium	1.4	U		F
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	68.4			P
	Cyanide	1.7	U		C

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

_____LAB_SAMPLE_ID:_AS015460_____

N Y S DEC
Wet Chemistry Analysis

Client Sample No.: A5631B

Lab Name: Recra Environmental, Inc. Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix (soil/water): SOIL Lab Sample ID: AS015458

% Solids: 0.0 Date Samp/Recv: 08/06/92 08/06/92

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.92				9045	08/13/92

Comments:

N Y S DEC
Wet Chemistry Analysis

Client Sample No.: A5632B

Lab Name: Recra Environmental, Inc. Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix (soil/water): SOIL Lab Sample ID: AS015459

% Solids: 0.0 Date Samp/Recv: 08/06/92 08/06/92

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.70				9045	08/13/92

Comments:

N Y S DEC
Wet Chemistry Analysis

Client Sample No.: A5633B

Lab Name: Recra Environmental, Inc. Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix (soil/water): SOIL Lab Sample ID: AS015460

% Solids: 0.0 Date Samp/Recv: 08/06/92 08/06/92

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.54				9045	08/13/92

Comments:

N Y S DEC
Wet Chemistry Analysis

Client Sample No.: A56304

Lab Name: Recra Environmental, Inc. Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix (soil/water): SOIL Lab Sample ID: AS015461

% Solids: 0.0 Date Samp/Recv: 08/06/92 08/06/92

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.37				9045	08/13/92

Comments:

N Y S DEC
Wet Chemistry Analysis

Client Sample No.: A56305

Lab Name: Recra Environmental, Inc. Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix (soil/water): SOIL Lab Sample ID: AS015462

% Solids: 0.0 Date Samp/Recv: 08/06/92 08/06/92

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.75				9045	08/13/92

Comments:

N Y S DEC
Wet Chemistry Analysis

206

Client Sample No.

A56306

Lab Name: Recra Environmental, Inc. Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805S

Matrix (soil/water): SOIL Lab Sample ID: AS015463

% Solids: 0.0 Date Samp/Recv: 08/06/92 08/06/92

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.85				9045	08/13/92

Comments:

FORM I - WC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

30

EPA SAMPLE NO.

A5631A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015452

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1138

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

31

EPA SAMPLE NO.

A5631A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015452

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1138

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

92 EPA SAMPLE NO.

A5632A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015453

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1139

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

23

EPA SAMPLE NO.

A5632A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015453

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1139

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015454

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1140

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A5633A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015454

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1140

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A563TB

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015455

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1137

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A563TB

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015455

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1137

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: not dec. _____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK78

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Lab File ID: L1135 Lab Sample ID: AM001170

Date Analyzed: 08/07/92 Time Analyzed: 1235

GC Column: DB-624 ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: I50L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	A5631A	AS015452	L1138	1416
02	A5632A	AS015453	L1139	1450
03	A5633A	AS015454	L1140	1524
04	A563TB	AS015455	L1137	1342

COMMENTS: VBLK78
I50L

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK78

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AM001170

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1135

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK78

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AM001170

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L1135

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 08/07/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

59

EPA SAMPLE NO.

A5631A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015452

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11579X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

69

EPA SAMPLE NO.

A5631A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015452

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11579X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A5631A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015452

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11579X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.07	4	BJ
2.	930-68-7	2-CYCLOHEXEN-1-ONE	8.12	5	BJN
3.		ALKYL SUBSTITUTED COMPOUND	11.00	2	BJ
4.		UNKNOWN ACID	20.33	3	J
5.	134-62-3	DIETHYL-3-METHYL BENZAMIDE	20.62	6	JN
6.		UNKNOWN ACID	26.02	9	J
7.		UNKNOWN	28.23	7	J
8.		UNKNOWN	28.53	17	BJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5632A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015453

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11580X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5632A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015453

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11580X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A5632A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015453

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11580X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.10	5	BJ
2.	930-68-7	2-CYCLOHEXEN-1-ONE	8.13	5	BJN
3.		UNKNOWN ACID	20.37	5	J
4.	134-62-3	DIETHYL-3-METHYL BENZAMIDE	20.63	8	JN
5.		UNKNOWN ACID	26.05	13	J
6.		UNKNOWN	28.18	12	J
7.		UNKNOWN	28.25	9	J
8.		UNKNOWN	28.55	25	BJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

65 EPA SAMPLE NO.

A5633A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015454

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11581X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A5633A

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015454

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11581X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

1F

EPA SAMPLE NO.

A5633A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AS015454

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11581X

Level: (low/med) LOW Date Received: 08/06/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.07	4	BJ
2.	930-68-7	2-CYCLOHEXEN-1-ONE	8.10	4	BJN
3.		ALKYL SUBSTITUTED COMPOUND	10.98	2	BJ
4.		UNKNOWN ACID	20.33	3	J
5.	134-62-3	DIETHYL-3-METHYL BENZAMIDE	20.62	4	JN
6.		UNKNOWN ACID	26.02	8	J
7.		UNKNOWN HYDROCARBON	28.15	8	BJ
8.		UNKNOWN	28.22	6	J
9.		UNKNOWN	28.52	16	BJ

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK76

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Lab File ID: 11578X Lab Sample ID: AM001201

Instrument ID: I50X Date Extracted: 08/11/92

Matrix: (soil/water) WATER Date Analyzed: 08/13/92

Level:(low/med) LOW Time Analyzed: 1903

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A5631A	AS015452	11579X	08/13/92
02	A5632A	AS015453	11580X	08/13/92
03	A5633A	AS015454	11581X	08/13/92

COMMENTS: SBLK76 JOB 2371 BN5648
AUTOSAMPLR150X

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK76

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AM001201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11578X

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK76

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AM001201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11578X

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK76

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH092 SAS No.: _____ SDG No.: 0805W

Matrix: (soil/water) WATER Lab Sample ID: AM001201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11578X

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 08/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.08	3	J
2. 930-68-7	2-CYCLOHEXEN-1-ONE	8.13	4	JN
3.	ALKYL SUBSTITUTED COMPOUND	11.02	4	J
4.	UNKNOWN HYDROCARBON	28.15	2	J
5.	UNKNOWN	28.50	4	J

NYSDEC-ASP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C0002412__

Lab Code: RECNY_ Case No.: SH092_ SAS No.: _____ SDG No.:08-05W

Version: ASP91

NYSDEC Sample No.	Lab Sample ID
_A5541A_____	__8227_____
_A5542A_____	__8228_____
_A5543A_____	__8229_____
_A5544A_____	__8230_____
_A5545A_____	__8231_____
_A5545AD____	__8232_____
_A5545AS____	__8233_____
_A5546A_____	__8234_____
_A5547A_____	__8235_____
_A5631A_____	__8236_____
_A5632A_____	__8237_____
_A5633A_____	__8238_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

_____
_____
_____
_____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Deborah J Kinecki/KPK Name: DEBORAH J. KINECKI_____

Date: 9/3/92 Title: VICE PRESIDENT, LABORATORY OPERATIONS

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A5631A

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C0002412__

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05W

Matrix (soil/water): WATER Lab Sample ID: 8236_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: ____0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1120			P
7440-36-0	Antimony	5.0	U		F
7440-38-2	Arsenic	5.0	U	W	F
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	5.0	U	N	P
7440-70-2	Calcium	46600		E	P
7440-47-3	Chromium	10.0	U		A
7440-48-4	Cobalt	20.0	U		P
7440-50-8	Copper	10.0	U		A
7439-89-6	Iron	1400		N	P
7439-92-1	Lead	4.0		N	F
7439-95-4	Magnesium	7110		E	P
7439-96-5	Manganese	75.3		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	30.0	U		P
7440-09-7	Potassium	744	B	N	P
7782-49-2	Selenium	5.0	U	WN	F
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	13200			A
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	27.9			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

LAB_SAMPLE_ID:__AS015452

CLIENT_SAMPLE_ID_SH092-0805W-A5631A

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A5632A

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C0002412__

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05W

Matrix (soil/water): WATER Lab Sample ID: 8237_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: ____0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	316			P
7440-36-0	Antimony	5.0	U		F
7440-38-2	Arsenic	5.0	U	W	F
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	5.0	U	N	P
7440-70-2	Calcium	46000		E	P
7440-47-3	Chromium	10.0			A
7440-48-4	Cobalt	20.0	U		P
7440-50-8	Copper	18.0	B		A
7439-89-6	Iron	840		N	P
7439-92-1	Lead	3.0	U	WN	F
7439-95-4	Magnesium	7000		E	P
7439-96-5	Manganese	73.0		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	30.0	U		P
7440-09-7	Potassium	814	B	N	P
7782-49-2	Selenium	5.0	U	N	F
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	15000			A
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	14.9	B		P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

LAB_SAMPLE_ID: AS015453

CLIENT_SAMPLE_ID SH092-0805W-A5632A

NYSDEC-ASP

1

INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A5633A

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C0002412__

Lab Code: RECNY_ Case No.: SH092 SAS No.: _____ SDG No.: 08-05W

Matrix (soil/water): WATER Lab Sample ID: 8238_____

Level (low/med): LOW__ Date Received: 08/06/92

% Solids: ____0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	159	B		P
7440-36-0	Antimony_	5.0	U		F
7440-38-2	Arsenic__	5.0	U	W	F
7440-39-3	Barium___	50.0	U		P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium__	5.0	U	N	P
7440-70-2	Calcium__	46000		E	P
7440-47-3	Chromium_	10.0	U		A
7440-48-4	Cobalt___	20.0	U		P
7440-50-8	Copper___	18.0	B		A
7439-89-6	Iron____	459		N	P
7439-92-1	Lead____	5.0		SN	F
7439-95-4	Magnesium	6890		E	P
7439-96-5	Manganese	45.3		E	P
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	30.0	U		P
7440-09-7	Potassium	789	B	N	P
7782-49-2	Selenium_	5.0	U	N	F
7440-22-4	Silver___	10.0	U	N	P
7440-23-5	Sodium___	14600			A
7440-28-0	Thallium_	5.0	U		F
7440-62-2	Vanadium_	20.0	U		P
7440-66-6	Zinc____	32.6			P
_____	Cyanide__	10.0	U		C
_____	_____	_____	_	_____	__

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ___

Comments:

LAB_SAMPLE_ID:__AS015454_____

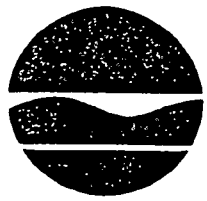
CLIENT_SAMPLE_ID_SH092-0805W-A5633A_____

o- PJB.

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

RECEIVED
NOV - 7 1994
NYSDEC-REG. 9
FOIL
REL UNREL

• Ernst
• Gerrard
•
1 • Central Auto
• OLR



Langdon Marsh
Commissioner

MEMORANDUM

TO: Peter Buechi, Regional Hazardous Waste Remediation Engineer, Region 9

FROM: Charles N. Goddard, Assistant Director, Division of Hazardous Waste Remediation

SUBJECT: Supporting Division Reclassification Goals

DATE: NOV 2 1994

As in past years, reclassification or delisting of Class 2a sites receives priority attention in DHWR. We have identified as a goal, 75 such sites for which to complete action. Moving cleaned-up sites out of the Registry or into a more appropriate classification is as important as 2a site reductions for showing program progress and demonstrating fair treatment to PRPs. In order to maintain our momentum toward these goals, we need your support in expediting staff review and response of the sites on the following list which are presently in your office.

✓902011 - City of Olean LF	Class 2a --> D1
✓915082 - Stock's Pond	Class 2a --> D1
915113 - U.S. Steel	Class 2a --> D1
✓915119 - Wide Beach	Class 2 --> 5
✓915126 - Clinton Bailey	Class 2a --> D1
○915126 - LSB Warehouse	Class 2a --> D1

Please indicate whether or not you concur with each recommended action by either signing and returning the site package or by providing reasons for your nonconcurrence. We need your response by November 18, 1994.

In the coming weeks, you will receive more site reclassification requests which should likewise be treated in an expeditious manner.

Please contact Dennis Farrar with any questions and/or concerns.

cc: D. Farrar

DPL

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999

Langdon Marsh
Commissioner

M E M O R A N D U M

FOIL
Releasable
Non-Releasable ✓

TO: Robert Marino - Site Control Section, Albany
FROM: Martin Doster - Region 9, Buffalo
SUBJECT: Stock's Pond Site #915082
Depew (V), Erie County
DATE: November 22, 1994

The Region has reviewed the December 1993 proposal to reclassify this site from Class 2a to D-1. After review the Region concurs with the decision. This decision is based upon the fact that there is no documentation that hazardous waste was disposed at this site. Sampling of soil, waste, sediment and surface water did not indicate concentrations of contaminants indicative of hazardous waste.

However, the available data does reflect the fact that contamination does exist in the waste and in the surface water - Cayuga Creek. Therefore, it is appropriate to copy the site information to the Divisions of Solid Waste and Water for their review of the information.

Please note the error as noted in the November 1993 report prepared by BHSC. If there are any questions on this site please contact Mr. David Locey at (716) 851-7220.

stock

cc: Mr. Peter Buechi/Mr. Martin Doster/Mr. David Locey entire package
Ms. Patricia Nelson memo only
Mr. Mark Hans - DSW entire package
Mr. Robert Speed - DOW entire package
Mr. Al Wakeman - DOH memo only
Mr. Cameron O'Connor - DOH memo only

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York 14203-2999

Langdon Marsh
Commissioner

M E M O R A N D U M

TO: Martin Doster
FROM: David Locey
SUBJECT: Stocks Pond - Site #915082 - Reclassification

DATE: November 17, 1994

A site reclassification package was received on December 13, 1993 from the Bureau of Hazardous Site Control. The recommendation was made to delist; reclassifying the site from 2a to D1. The justification for delisting the site was based primarily on the results of the EP Toxicity analyses of the foundry sand wastes found at the site; none of the samples exhibited this hazardous characteristic. The foundry sands have not been listed as hazardous waste. Since no evidence of hazardous waste was found, I concur with the proposal to delist the site.

The reclassification package includes a brief PSA report (November 1993), which was prepared in-house. The November report focuses on the results of the 1992 site sampling conducted by our office. Samples were collected of the sediment and surface water from the adjacent Cayuga Creek, and what appeared to be foundry sands along the creek embankment. The samples were analyzed for full TCL volatiles, semivolatiles, PCBs/pesticides, metals and cyanide. The foundry sand samples were also analyzed for EP Toxicity metals.

The foundry sands contained high (> 1000 ppm) concentrations of aluminum, calcium, iron, magnesium, and manganese. None of the samples, however, exceeded the EP Toxicity thresholds for metals. Surface water samples from the creek contained aluminum, iron and zinc at levels in excess of the class C water quality standards. However, the higher concentrations of aluminum and iron were actually found in the water upstream of the disposal site. The concentrations of antimony, cadmium, copper, lead and zinc in the creek sediments were above the NYSDEC "lowest effect" levels (NYSDEC Division of Fish & Wildlife, 1993 excerpt attached), however, the concentrations upstream and downstream of the disposal site were generally comparable. There were no TCL volatiles or semivolatiles detected in the surface water of the creek. The total concentration of TCL semivolatile compounds found in the creek sediments ranged from approximately 3 to 21 ppm, with approximately 12 ppm found in the upstream location.

It had been reported that the waste foundry sands disposed at the site might contain

remaining traces of phenolic binders. The first few samples collected from the site in 1981, found up to 9 ppm of phenolics in the soil and 20 ppb of phenol in water ponded to the east of the site. However, there were no phenols detected in the foundry sands, sediments or surface water sampled in 1992.

In summary, the waste disposed here is neither a listed or characteristic hazardous waste. The site has been covered by an asphalt parking lot, with some foundry sands and demolition debris exposed at the creek embankment. The metals and semivolatile contaminants found in the adjacent creek cannot be conclusively attributed to the site or the foundry sands found there. While I agree that the site should be delisted, I am not sure I see the need for further action by the Division of Solid Waste.

cc: File

Department of Environmental Conservation

Division of Fish and Wildlife
Division of Marine Resources

Technical Guidance for Screening Contaminated Sediments

November 1993

New York State Department of Environmental Conservation
MARIO M. CUOMO, *Governor* THOMAS C. JORLING, *Commissioner*

Table 2. Sediment Criteria for Metals. Two levels of risk have been established for metals contamination in sediments. These are the Lowest Effect Level and the Severe Effect Level. The Lowest Effect Level for each metal is the lowest of either the Persaud et al. (1992) Lowest Effect Level or the Long and Morgan (1990) Effect Range-Low. Similarly, the Severe Effect Level for each metal is the lowest of either the Persaud et al. (1992) Severe Effect Level or the Long and Morgan (1990) Effect Range-Moderate. A sediment is considered contaminated if either criterion is exceeded. If both criteria are exceeded, the sediment is considered to be severely impacted. If only the Lowest Effect Level criterion is exceeded, the impact is considered moderate. The units are µg/g, or ppm, except for iron, which is listed as a percentage. An "L" following a criterion means that it was taken from Long and Morgan (1990); a "P" following a criterion indicates that it is from Persaud et al. (1992). Complete tables from both sources can be found in appendix 2.

Metal	Lowest Effect Level µg/g (ppm)	Severe Effect Level µg/g (ppm)
Antimony	2.0 (L)	25.0 (L)
Arsenic	6.0 (P)	33.0 (P)
Cadmium	0.6 (P)	9.0 (L)
Chromium	26.0 (P)	110.0 (P)
Copper	16.0 (P)	110.0 (P)
Iron (%)	2.0% (P)	4.0% (P)
Lead	31.0 (P)	110.0 (L)
Manganese	460.0 (P)	1100.0 (L)
Mercury	0.15 (L)	1.3 (L)
Nickel	16.0 (P)	50.0 (L)
Silver	1.0 (L)	2.2 (L)
Zinc	120.0 (P/L)	270.0 (L)

M. DOSTER — DPL —

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

M E M O R A N D U M

To: P. Quechi — Investigation Section
Regional Hazardous Waste Remediation Engineer
R. Dana, DEE
A. Carlson, DOH, Bureau of Environmental Exposure Invest.

From: Robert Marino, Site Control Section

Subject: Review of Classification Package for Site # 915082
Stocks Pond.

Date: 12/9/93

The attached new "Registry Site Classification Decision Form" with supporting documentation is attached for your review and approval.

If acceptable, sign at the bottom of the form (Box #17) and return within 30 calendar days.

If unacceptable, please return with an explanation of your position in a separate memo or letter.

Please keep the supporting documentation for your records.

Attachment(s)

RECEIVED
DEC 13 1993
N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION REGION 9

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

11/18/92

REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Stock's Pond	915082	Village of Depew	Erie

5. REGION	6. CLASSIFICATION
9	CURRENT 2a PROPOSED D1 MODIFY

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle - Lancaster, NY

b. Site Latitude 42 ° 54 ' 04 " Site Longitude 78 ° 42 ' 14 "

c. Tax Map Numbers - 104.78-1-3.21 and 104.78-1-3.22

d. Site Street Address - Broadway and Transit Road, Depew, NY 14043

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

The site is located at the southeast corner of Broadway and Transit Road in the Village of Depew, Erie County, New York. The site is located approximately 50 feet north of Cayuga Creek. The area surrounding the site is residential and commercial. The site was originally a quarry, then was later used as an ice pond. From 1967 through 1978 approximately 71,831 cubic yards of material was dumped at this site from nearby Dresser Industries; including lagoon sludge, foundry sand and slag. Later, minor amounts of construction and demolition debris were also dumped at the site.

These wastes were sampled and found not to exceed levels defining characteristic hazardous wastes.

a. Area 2.5 acres b. EPA ID Number NYD980535306

c. Completed (x)Phase I ( )Phase II (x) PSA ( )RI/FS ( )PA/SI ( )Other

9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers)

Hazardous waste disposal has not been documented.

10. ANALYTICAL DATA AVAILABLE

a. ( )Air ( )Groundwater (x)Surface Water (x)Sediment (x)Soil (x)Waste (x)Leachate (x)EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

None related to hazardous waste disposal.

11. JUSTIFICATION FOR CLASSIFICATION DECISION

The wastes disposed at the site, including foundry sands with phenolic binders, are not listed hazardous wastes. Additionally, sampling of the waste materials reveals that they do not meet the criteria for characteristic hazardous wastes. The placement of these lagoon sludges, foundry sands and slags therefore does not constitute hazardous waste disposal. Significant threat has not been fully evaluated, however based on surface water and sediment sampling completed to date, significant threat does not appear to be indicated. This site should be referred to the Division of Solid Waste for their review in conjunction with the Dresser Industries site (#915064).

12. SITE IMPACT DATA

a. Nearest Surface Water: Distance 50 ft.	Direction south	Classification C	
b. Nearest Groundwater: Depth 2 ft.	Flow Direction south	( )Sole Source ( )Primary ( )Principal	
c. Nearest Water Supply: Distance >3 mi.	Direction	Active (x)Yes ( )No	
d. Nearest Building: Distance 0 ft.	Direction on-site	Use restaurant	
e. In State Economic Development Zone?	( )Y (x)N	i. Controlled Site Access?	( )Y (x)N
f. Crops or livestock on site?	( )Y (x)N	j. Exposed hazardous waste?	( )Y (x)N
g. Documented fish or wildlife mortality?	( )Y (x)N	k. HRS Score 4.2	
h. Impact on special status fish or wildlife resource?	( )Y (x)N	l. For Class 2: Priority Category N/A	

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
1) Leo Piotrowski 2) 4827 Broadway, Inc.	1) 126 Lexington Green, West Seneca, NY 14224 2) West Seneca, NY 14224	

16. PREPARER	17. APPROVED
Elaine M. Zuk Nov 30 1993	John B. Swartwout 12-7-93
Signature Date	Signature Date
Elaine M. Zuk, Asst. Eng. Geologist, DHWR, BHSC	John B. Swartwout, Ch, Eastern Inv. Sec.
Name, Title, Organization	Name, Title, Organization

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

11/18/92

REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Stock's Pond	915082	Village of Depew	Erie

5. REGION	6. CLASSIFICATION
9	CURRENT 2a PROPOSED D1 MODIFY

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle - Lancaster, NY

b. Site Latitude 42 ° 54 ' 04 " Site Longitude 78 ° 42 ' 14 "

c. Tax Map Numbers - 104.78-1-3.21 and 104.78-1-3.22

d. Site Street Address - Broadway and Transit Road, Depew, NY 14043

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

The site is located at the southeast corner of Broadway and Transit Road in the Village of Depew, Erie County, New York. The site is located approximately 50 feet north of Cayuga Creek. The area surrounding the site is residential and commercial. The site was originally a quarry, then was later used as an ice pond. From 1967 through 1978 approximately 71,831 cubic yards of material was dumped at this site from nearby Dresser Industries; including lagoon sludge, foundry sand and slag. Later, minor amounts of construction and demolition debris were also dumped at the site.

These wastes were sampled and found not to exceed levels defining characteristic hazardous wastes.

a. Area __2.5__ acres b. EPA ID Number _NYD980535306___

c. Completed (x)Phase I ( )Phase II (x) PSA ( )RI/FS ( )PA/SI ( )Other

9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers)

Hazardous waste disposal has not been documented.

10. ANALYTICAL DATA AVAILABLE

a. ( )Air ( )Groundwater (x)Surface Water (x)Sediment (x)Soil (x)Waste (x)Leachate (x)EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

None related to hazardous waste disposal.

11. JUSTIFICATION FOR CLASSIFICATION DECISION

The wastes disposed at the site, including foundry sands with phenolic binders, are not listed hazardous wastes. Additionally, sampling of the waste materials reveals that they do not meet the criteria for characteristic hazardous wastes. The placement of these lagoon sludges, foundry sands and slags therefore does not constitute hazardous waste disposal. Significant threat has not been fully evaluated, however based on surface water and sediment sampling completed to date, significant threat does not appear to be indicated. This site should be referred to the Division of Solid Waste for their review in conjunction with the Dresser Industries site (#915064).

12. SITE IMPACT DATA

a. Nearest Surface Water: Distance ___50___ ft. Direction ___south_____ Classification ____C_____

b. Nearest Groundwater: Depth __2__ ft. Flow Direction ___south_____ ( )Sole Source ( )Primary ( )Principal

c. Nearest Water Supply: Distance _>3___ mi. Direction _____ Active (x)Yes ( )No

d. Nearest Building: Distance __0___ ft. Direction ___on-site_____ Use ____restaurant_____

e. In State Economic Development Zone?	( )Y	(x)N	i. Controlled Site Access?	( )Y	(x)N
f. Crops or livestock on site?	( )Y	(x)N	j. Exposed hazardous waste?	( )Y	(x)N
g. Documented fish or wildlife mortality?	( )Y	(x)N	k. HRS Score __4.2__		
h. Impact on special status fish or wildlife resource?	( )Y	(x)N	l. For Class 2: Priority Category __N/A___		

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
1) Leo Piotrowski 2) 4827 Broadway, Inc.	1) 126 Lexington Green, West Seneca, NY 14224 2) West Seneca, NY 14224	

16. PREPARER	17. APPROVED
Signature Date: Nov 30 1993	Signature Date: 12/2/93
Elaine M. Zuk, Asst. Eng. Geologist, DHWR, BHSC	PETER J. BUREAU ASSTIVE
Name, Title, Organization	Name, Title, Organization

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2a | REGION: 9 | SITE CODE: 915082
EPA ID: NYD980535306

NAME OF SITE : Stocks Pond
STREET ADDRESS: South East Corner of Broadway & Transit Road
TOWN/CITY: Depew | COUNTY: Erie | ZIP:

SITE TYPE: Open Dump- X Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 2.5 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Leo Piotrowski
CURRENT OWNER ADDRESS.: 126 Lexington Green, West Seneca, NY
OWNER(S) DURING USE...: Frank Stock
OPERATOR DURING USE...: Dresser Industries
OPERATOR ADDRESS.....: 2 Main St., Depew, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From Unknown To 1977

SITE DESCRIPTION:
In the late 1800's this site was used as a quarry. After it had been mined, the quarry filled with water. Ice was harvested from the resulting pond by the Stock Family, between 1910 and 1937. Foundry sand, slag and lagoon sludge (bentonite) generated by Dresser Industries was used to backfill the pond between 1967 and 1977. In 1986 the site was developed, a parking lot and a restaurant were constructed over the disposal area.
Soil and surface water samples were collected by the DEC in 1981 for the analyses of inorganics, total recoverable phenolics (TRP) and a halogenated organics scan. Metals detected in the soil above 10 ppm included Chromium (15 ppm), copper (25 ppm), lead (140 ppm), nickel (17 ppm), and zinc (150 ppm). Traces (9 ppm) of TRP were also found in the soil. Leachate flowing from the Cayuga Creek embankment was found to contain chromium (36 ppb), lead (100 ppb), zinc (351 ppb), TRP (20 ppb) and halogenated organics (170 ppb as lindane).
In January 1991, the New York State Department of Transportation collected subsurface soil samples along the Transit Road Right of Way, as part of its plans to widen the Transit-Broadway intersection. Several volatile organics were found in trace amounts (0.4 to 55 ppb), polyaromatic hydrocarbons were also found in concentrations as high as 2800 ppb. Lead and chromium were found at elevated concentrations (287 and 288 ppm) respectively, but TCLP metals analysis found that none of the thresholds were exceeded. A January 1991 Preliminary Site Assessment Report found insufficient data to confirm or deny hazardous waste disposal. The report recommended further investigation.
In August 1992 the DEC sampled water and sediment from Cayuga Creek adjacent to the site and foundry sands from the embankment. The analysis of the foundry sand sampled did not exceeded the thresholds defining a hazardous waste.

HAZARDOUS WASTE DISPOSED: Confirmed-X Suspected-

TYPE	QUANTITY (units)
brick, bentonite clay, sand w/phenolic binders	30,107 cu. yd.
sludge sand	34,107 cu. yd.
slag	7,313 cu. yd.

SITE CODE: 9[illegible]082

ANALYTICAL DATA AVAILABLE:
Air- Surface Water-X Groundwater- Soil-X Sediment-

CONTRAVENTION OF STANDARDS:
Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: None State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION: None

GEOTECHNICAL INFORMATION:
SOIL TYPE: Not known
GROUNDWATER DEPTH: Not known

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The foundry sand did not exhibit the EP Toxicity characteristic of a hazardous waste.
Surface water and soil at the site have shown some evidence of phenol contamination. There is no data concerning groundwater quality at or near the site.

ASSESSMENT OF HEALTH PROBLEMS:

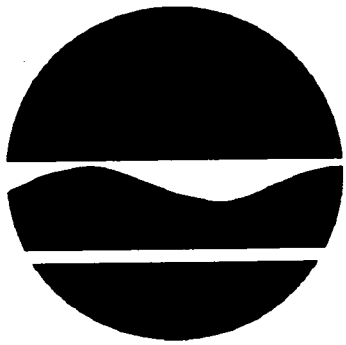
Limited monitoring data exist to define the extent of environmental contamination at this site but the contaminants of concern are phenolics and heavy metals. Low levels of these compounds have been detected in surface water and soil samples collected by DEC in 1981. Residences are located within 200 feet to the east of the fill area and Cayuga Creek is approximately 50 feet to the south. The area is served by a public drinking water supply. Arby's restaurant was constructed on site in 1986 with a paved parking lot to cover the fill area. Current site conditions and the extent of environmental contamination need to be assessed. Potential impacts from runoff to the Cayuga Creek and surficial soils are areas which should be targeted for further investigation. These data are required to determine if there are pathways for human exposure at this site.

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

Preliminary Site Assessment Report

Stock's Pond - Site No. 915082
Depew - Erie County

DATE: November 1993



Prepared for:

New York State
Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233-7010
Thomas C. Jorling, *Commissioner*

Prepared by:

Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control
Eastern Investigation Section

Introduction

The following information is excerpted from E.C. Jordan Co.'s June 1992 Draft Site Work Plan and is also presented in E.C. Jordan's January 1991, "Task 1: Data Records Search and Assessment, Preliminary Site Assessment, Stock's Pond, Final Report." Both were prepared for the New York State Department of Environmental Conservation (NYSDEC).

Site Description

The Stock's Pond site is located at the southeast corner of Broadway and Transit Road in the Village of Depew, Erie County, New York. (Figure 1) The site is approximately 2.5 acres in size and is located fifty feet north of Cayuga Creek. (Figure 2) The area surrounding the site is residential and commercial.

The site was originally used as a quarry in the late 1800's. Ice was cut from the resulting pond beginning around 1910 until 1937. The pond was later filled in with foundry sand, slag, and lagoon sludge hauled from Dresser Industries between 1967 and 1978. Records indicate that from 1967 through 1978, approximately 71,831 cubic yards of material was dumped at the site. This included approximately 34,411 cubic yards of lagoon sludge, 30,107 cubic yards of sand and 7,313 cubic yards of slag. In the late 1970's, there were reports of building contractors illegally dumping broken concrete and clay on site. The Stock family leveled the area and constructed a clay berm to prevent access to and limit illegal dumping at the site.

The Stock family sold the property to Leo Piotrowski in 1985. In 1986 the site was developed; a parking lot and Arby's restaurant were constructed over the disposal area. Evidence of the former pond and berms no longer exits because most of the site is now paved with asphalt.

Previous Investigations

Surface water and soil samples were collected at two locations by the New York State Department of Environmental Conservation Region 9 Office in December of 1981. (Figure 3) Samples were analyzed for heavy metals, phenolics, and halogenated organics. The first sample was obtained from a ponded area adjacent to the site to the east. Analytical results indicated the presence of lead (140 ppm), zinc (150 ppm) and phenolics (0.9 ppm) in the soil and phenol (0.02 ppm) in the ponded water. The second sample, obtained from a leachate breakout in the southwestern portion of the fill area, indicated the presence of lead (0.10 ppm) and zinc (0.351 ppm) in the water sample, and lead (32 ppm), zinc (110 ppm) and phenolics (8.4 ppm) in the soil sample.

A Phase I report was completed by Recra Environmental in February 1986. No additional sampling was conducted during this investigation.

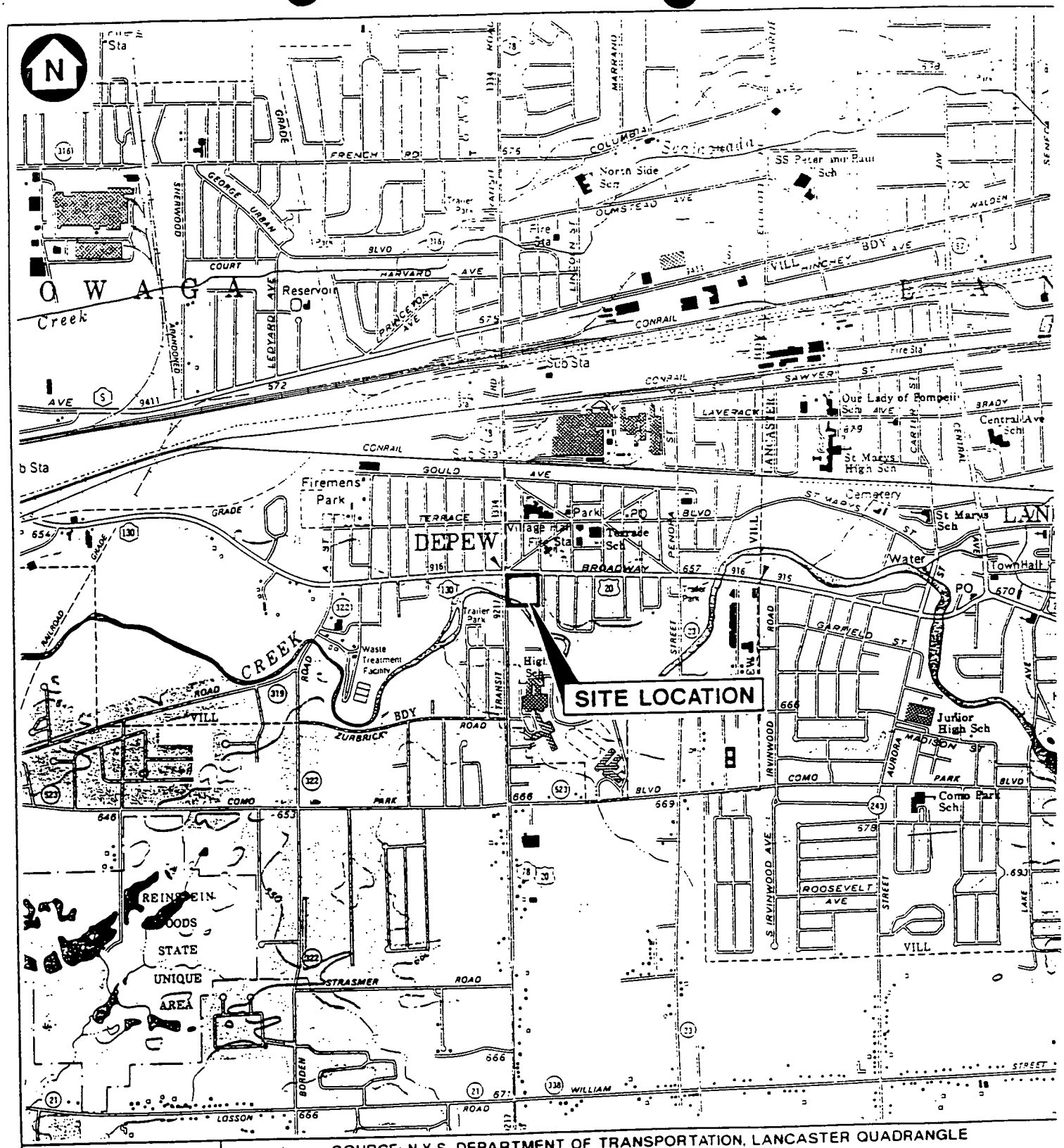
Additional Sampling

On August 6, 1992, Central Office and Regional Office staff sampled water, sediment and foundry sand waste at the site. (Figure 4) The samples were analyzed for full TCL (Target Compound List) volatiles, semivolatiles, PCBs/pesticides, metals and cyanide. Foundry sand samples were also analyzed for EP Toxicity Metals. The results of this sampling effort are shown on Tables 1 through 3.

Conclusions

The wastes disposed at the site, including foundry sands with phenolic binders, are not listed hazardous wastes. Additionally, sampling of the waste materials reveals that they do not meet criteria for characteristic hazardous wastes. The placement of lagoon sludges, foundry sands and slag at this site therefore does not constitute hazardous waste disposal. Significant threat has not been fully evaluated, however based on all of the sampling completed to date, significant threat does not appear to be indicated.

FIGURES

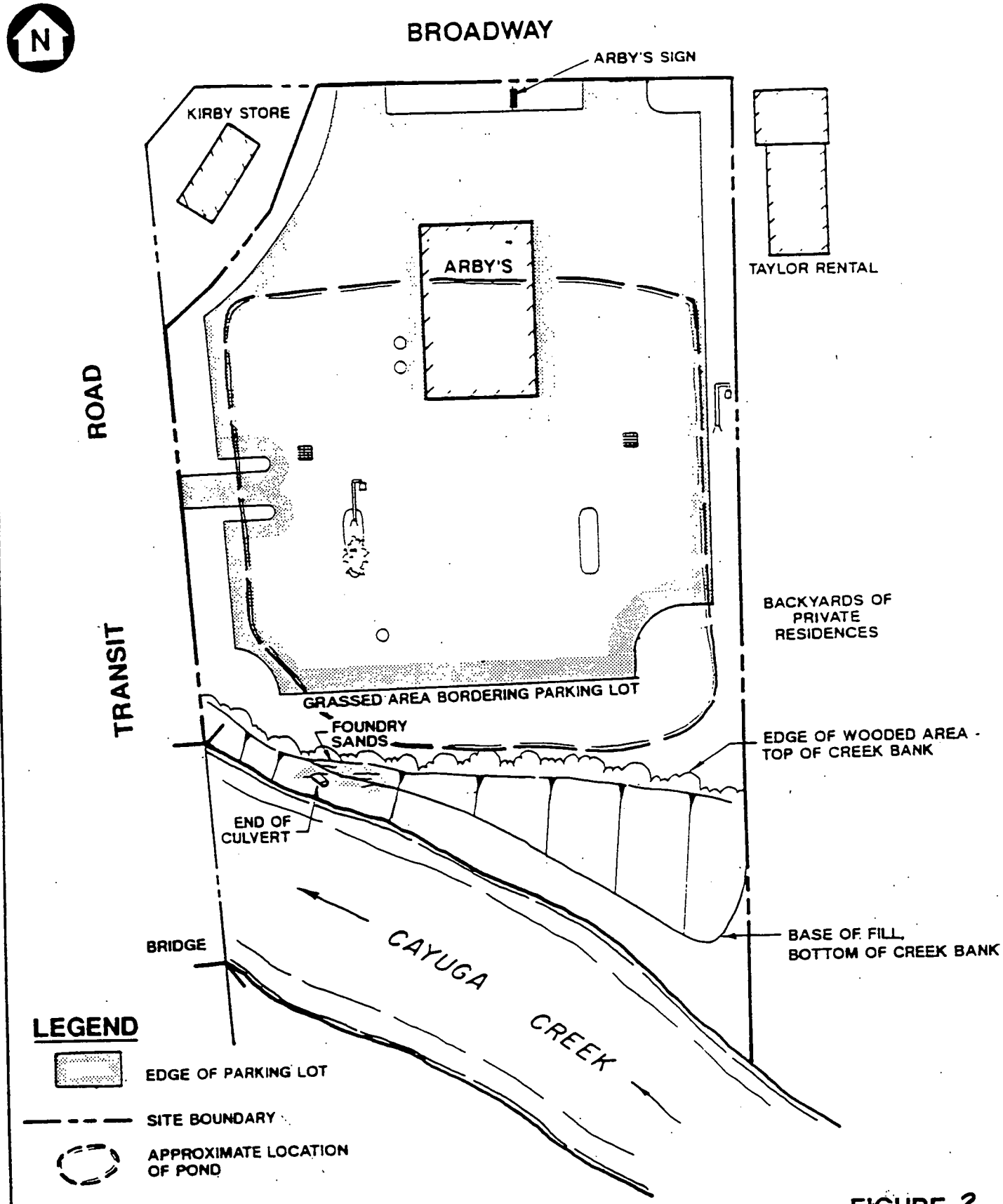


SOURCE: N.Y.S. DEPARTMENT OF TRANSPORTATION, LANCASTER QUADRANGLE DATED 1988, 7.5 MINUTE SERIES

SITE NO: 915082
LOCATION: VILLAGE OF DEPEW
ERIE COUNTY

FIGURE 1
SITE LOCATION MAP
STOCK'S POND
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

ECJORDANCO



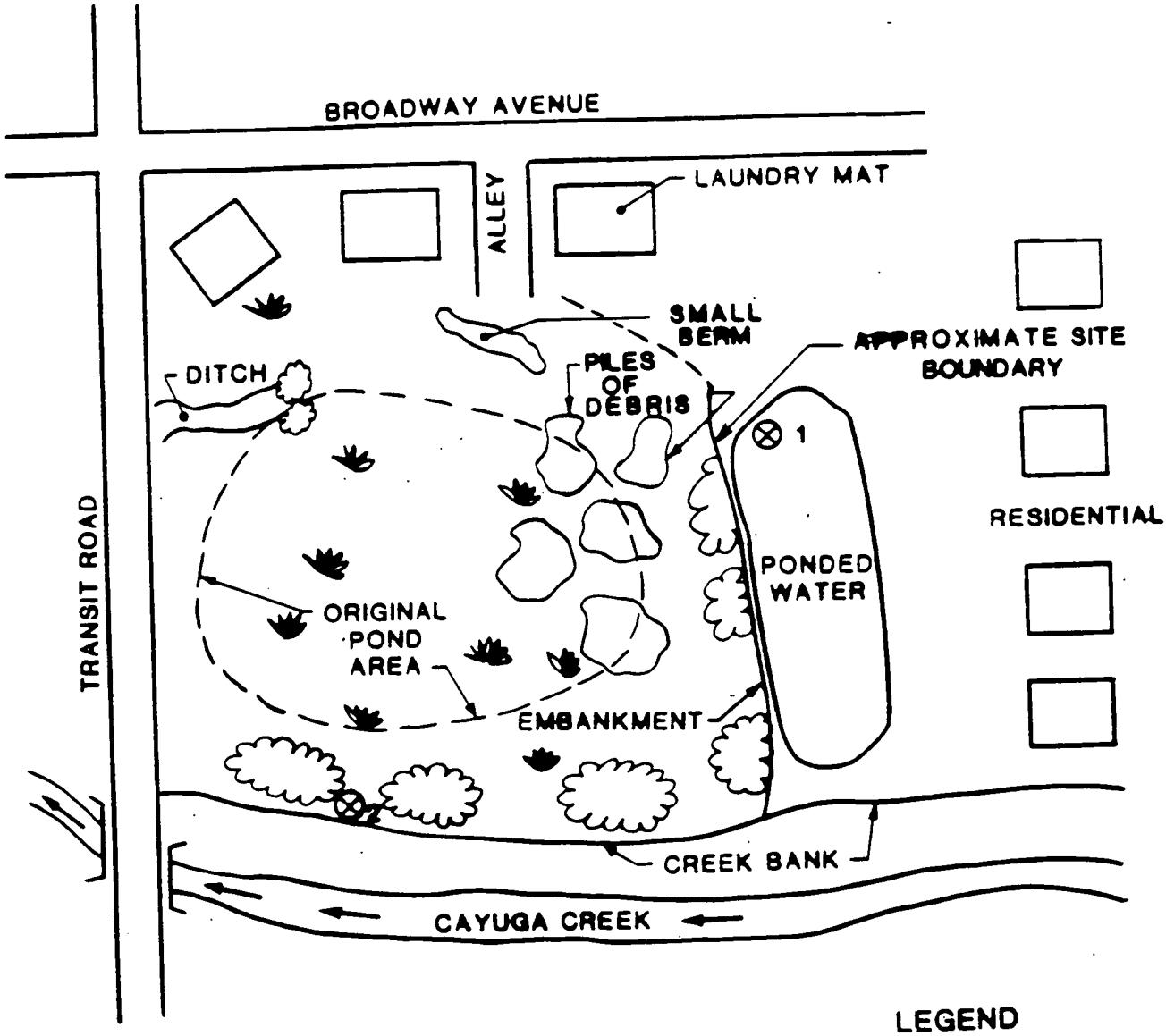
SITE NO.: 915082
LOCATION: VILLAGE OF DEPEW, ERIE, NEW YORK

NOT TO SCALE

FIGURE 2
SITE PLAN
STOCK'S POND
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

EC JORDAN CO

7089-20



NOTE:

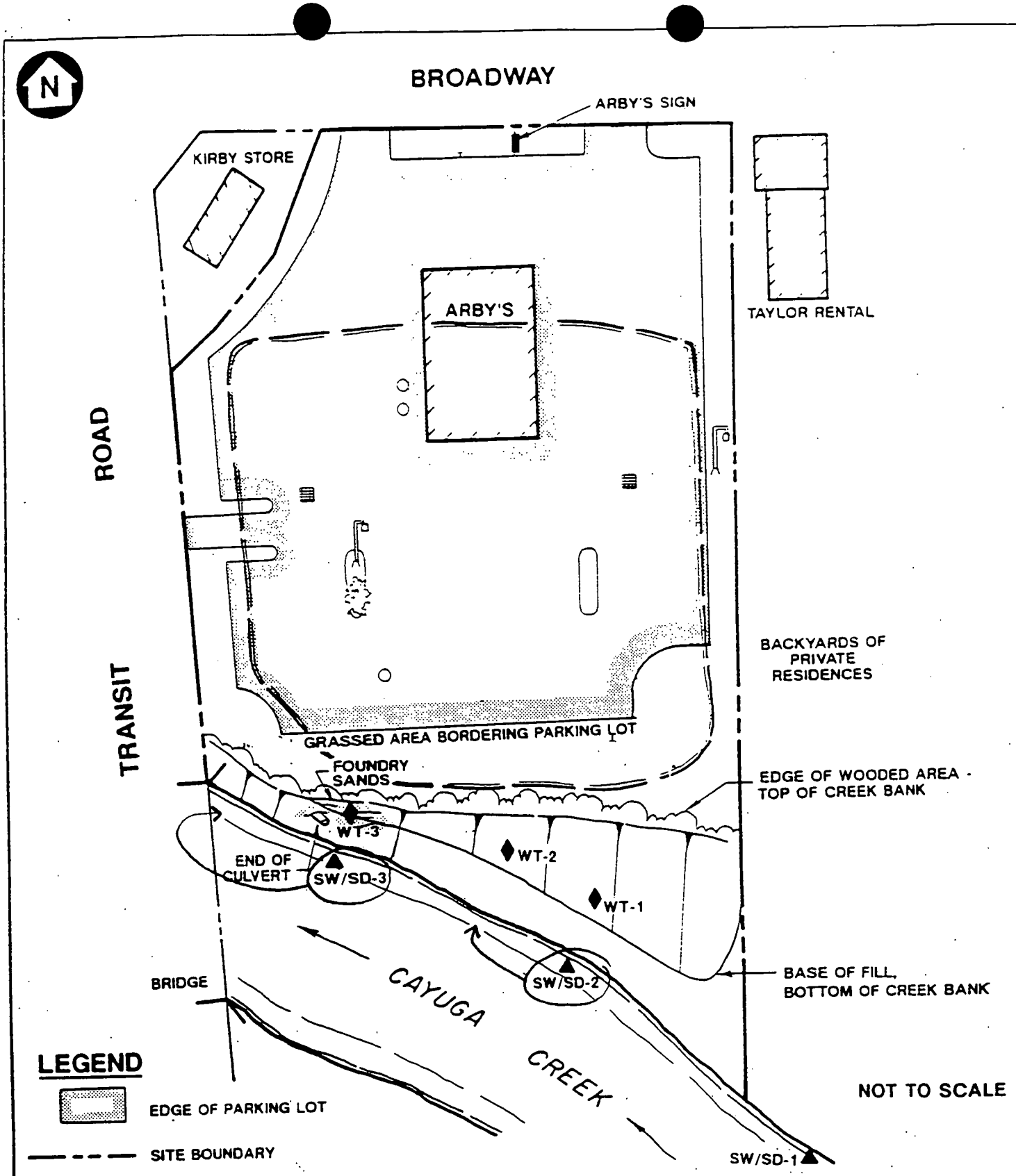
SITE MODIFIED SINCE INITIAL FIELD INSPECTION ON 12/11/85. SURFACE CONDITIONS PRESENTED ARE NO LONGER VALID DUE TO CONSTRUCTION OF RESTAURANT ON SITE AS OF 5/86.

LEGEND

⊗1 WATER AND SOIL SAMPLE COLLECTED BY N.Y.S.D.E.C. 12/9/81

⊗2 WATER AND SOIL SAMPLE COLLECTED FROM LEACHATE BREAKOUT BY N.Y.S.D.E.C. 12/9/81

Scale: NTS			STOCK'S POND DEPEW, NEW YORK N.Y.S. SUPERFUND PHASE I	SITE MAP
	By	Date		
Dwn.	MJS	12/85		
Ckd.				
Ap'vd.				
Rev.			Project No. 5C280408	A FIGURE 3



SITE NO. 915082
LOCATION: VILLAGE OF DEPEW, ERIE, NEW YORK

FIGURE 4
EXPLORATION LOCATIONS
STOCK'S POND
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

EC JORDAN CO

TABLES

TABLE 1

SURFACE WATER SAMPLES
Date Sampled - August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	SW-1 A563-1A	SW-2 A563-2A	SW-3 A563-3A	STANDARD OR GUIDANCE VALUE
VOLATILES (ug/l)				
TCL Volatiles	ND	ND	ND	N/A
SEMIVOLATILES (ug/l)				
TCL Semivolatiles	ND	ND	ND	N/A
TIC's (Number found)	8	8	9	N/A

TABLE 1 (CONTINUED)

SURFACE WATER SAMPLES
Date Sampled - August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	SW-1 A563-1A	SW-2 A563-2A	SW-3 A563-3A	STANDARD OR GUIDANCE VALUE
METALS (ug/l)				
Aluminum	1120	316	159 B	100
Calcium	46600	46000	46000	N/A
Chromium	ND	10.0	ND	208*
Copper	ND	18.0 B	18.0 B	16.2*
Iron	1400	840	459	300
Lead	4.0	ND	5.0	5.2*
Magnesium	7110	7000	6890	N/A
Manganese	75.3	73.0	45.3	N/A
Potassium	744 B	814 B	789 B	N/A
Sodium	13200	15000	14600	N/A
Zinc	27.9	14.9	32.6	30

* Based on a calculated hardness of 145 ppm

TABLE 2

SEDIMENT SAMPLES - Date Sampled August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	SD-1/A563-1B	SD-2/A563-2B	SD-3/A563-3B
VOLATILES (ug/kg)			
Acetone	130	ND	20
2-Butanone	35	ND	ND
Toluene	21	ND	ND
SEMIVOLATILES (ug/kg)			
Naphthalene	20 J	15 J	24 J
2-Methylnaphthalene	ND	ND	31 J
Acenaphthylene	ND	ND	25 J
Acenaphthene	71 J	26 J	150 J
Dibenzofuran	29 J	ND	88 J
Diethylphthalate	34 BJ	25 BJ	27 BJ
Fluorene	110	38 J	200 J
Phenanthrene	880	260 J	1700
Anthracene	200 J	46 J	380 J
Carbazole	110 J	38 J	250 J
Di-n-Butylphthalate	ND	72 J	120 J
Fluoranthene	1500	430 J	2400
Pyrene	1500	380 J	4100 E
Butylbenzylphthalate	51 J	37 J	87 J
Benzo (a) Anthracene	640	190 J	1300
Chrysene	680	220 J	1500
Bis (2-Ethylhexyl) Phthalate	3400 B	180 BJ	2100 B
Benzo (b) Fluoranthene	910	280 J	2400
Benzo (k) Fluoranthene	540	150 J	1100
Benzo (a) Pyrene	500 J	170 J	1500
Indeno (1,2,3-cd) Pyrene	360 J	110 J	800
Dibenz (a,h) Anthracene	ND	ND	140 J
Benzo (g,h,i) Perylene	250 J	90 J	540
TIC's (No. Found)	19	20	20
	~12,000	~5,000	~21,000

TABLE 2 (CONTINUED)

SEDIMENT SAMPLES
Date Sampled - August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	SD-1 A563-1B	SD-2 A563-2B	SD-3 A563-3B
PESTICIDES/PCBs (ug/kg)			
Dieldrin	13 P	ND	2.7 JP
4,4'-DDE	4.2 J	1.8 J	ND
Endosulfan II	0.63 JP	0.56 JP	ND
4,4'-DDD	4.4 JP	3.9 JP	ND
4,4'-DDT	3.8 JP	ND	ND
Endrin aldehyde	ND	1.4 JP	ND
alpha-Chlordane	2.1 JP	2.5 J	1.1 JP
gamma-Chlordane	1.2 JP	1.4 JP	ND

TABLE 2 (CONTINUED)

SEDIMENT SAMPLES
Date Sampled - August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	SD-1 A563-1B	SD-2 A563-2B	SD-3 A563-3B
METALS (mg/kg)			
Aluminum	3930	3910	3450
Antimony (2-25)	ND	ND	22.5
Arsenic	2.6 B	2.4	3.1
Barium	34.6 B	31.2 B	25.9 B
Cadmium (0.6-9)	0.76 B	0.53 B	0.56 B
Calcium	20700	11300	85600
Chromium	10.4	14.5	11.7
Copper (16-110)	25.0	24.6	19.4
Iron	11200	11000	10400
Lead (31-110)	56.0	75.0	36.7
Magnesium	4450	3820	7540
Manganese	198	255	287
Nickel	11.8 B	11.4	12.9
Potassium	486 B	676 B	588 B
Sodium	451 B	348 B	432 B
Vanadium	7.7 B	10.3 B	5.9 B
Zinc (120-270)	144	59.8	68.4

TABLE 3

FOUNDRY SAND WASTE SAMPLES - Date Sampled August 6, 1992
STOCK'S POND SITE NO. 915082

PARAMETER	WT-1 A563-04	WT-2 A563-05	WT-3 A563-06
VOLATILES (ug/kg)			
TCL Volatiles	ND	ND	ND
SEMIVOLATILES (ug/kg)			
Naphthalene	48 J	220 J	26 J
2-Methylnaphthalene	58 J	170 J	56 J
Acenaphthylene	14 J	78 J	ND
Acenaphthene	35 J	450	8 J
Diethylphthalate	22 BJ	18 BJ	18 BJ
Fluorene	ND	490	ND
Phenanthrene	470	3000 E	180 J
Anthracene	100 J	910	24 J
Carbazole	54 J	650	14 J
Di-n-Butylphthalate	48 J	ND	ND
Fluoranthene	690	3400 E	260 J
Pyrene	710	6400 E	250 J
Butylbenzylphthalate	ND	ND	13 J
Benzo (a) Anthracene	390	2800	140 J
Chrysene	410	2200	180 J
Bis (2-Ethylhexyl) Phthalate	790 B	1700 B	310 J
Benzo (b) Fluoranthene	530	3900 E	230 J
Benzo (k) Fluoranthene	250 J	1300	90 J
Benzo (a) Pyrene	310 J	2100	130 J
Indeno (1,2,3-cd) Pyrene	150 J	1100	54 J
Dibenz (a,h) Anthracene	31 J	240 J	ND
Benzo (g,h,i) Perylene	80 J	640	39 J
TIC's (No. Found)	20	20	20
	5190	~32,000	

TABLE 3 (CONTINUED)

FOUNDRY SAND WASTE SAMPLES
Date Sampled - August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	WT-1 A563-04	WT-2 A563-05	WT-3 A563-06
PESTICIDES/PCBs (ug/kg)			
Endosulfan I	ND	1.7 JP	ND
4,4'-DDE	2.9 JP	ND	0.92 J
Endrin	ND	ND	2.3 JP
Endosulfan II	ND	ND	0.76 JP
4,4'-DDT	9.3 P	ND	3.3 J
Endrin aldehyde	7.8 P	ND	7.7 P
alpha-Chlordane	0.49 J	1.4 JP	0.48 JP

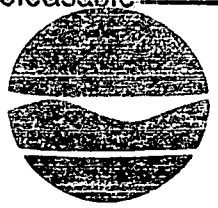
TABLE 3 (CONTINUED)

FOUNDRY SAND WASTE SAMPLES
Date Sampled - August 6, 1992

STOCK'S POND SITE NO. 915082

PARAMETER	WT-1 A563-04	WT-2 A563-05	WT-3 A563-06
METALS (mg/kg)			
Aluminum	3870	3000	3810
Arsenic	3.6	5.1	2.3
Barium	32.7 B	55.9	24.1 B
Cadmium	1.2 B	0.29 B	0.32 B
Calcium	12500	68200	17800
Chromium	143	1080	32.0
Copper	42.4	71.2	25.8
Iron	15700	50100	11000
Lead	100	138	73.6
Magnesium	2800	9080	2610
Manganese	1930	20100	886
Nickel	28.8	250	15.3
Potassium	908 B	410	766
Silver	0.09 B	0.13 B	ND
Sodium	364 B	285 B	370 B
Vanadium	17.5	151	14.4
Zinc	111	56.3	39.6
EP TOXIC METALS (mg/l)			
Barium (100 mg/l)	0.421	0.168 B	0.110 B
Chromium (5 mg/l)	0.044	ND	0.010
Lead (5 mg/l)	0.007	0.017	0.006

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202



Thomas C. Jorling
Commissioner

MEMORANDUM

TO: Sri Maddineni - BHSC, Central Investigation Section

FROM: David Locey - Region 9

SUBJECT: Project Management Work Plan - Preliminary Site Assessments
Dresser Industries (#915064), Stocks Pond (#915082),
Central Autowrecking (#915125), LSB Warehouse (#915132)

DATE: May 21, 1991

I reviewed the subject work plans and have a few observations that apply to all four sites. The consultant has often recommended analyses of site soil/water/waste samples for the TCL volatiles and semi volatile list compounds. If previous investigations failed to uncover documented evidence of listed hazardous waste disposal I don't see the point of analyzing samples for anything more than the hazardous waste characteristics. Granted, TCL characterization will provide data useful for further actions, but I question whether DHWR resources should be expended in acquiring the information on such sites. Task 3 efforts should center on determining if (characteristic) hazardous waste is present, full characterization should follow only if hazardous waste is found.

The Task 4 assignment outlined in the work plans seemed reasonable. However, until the Task 3 work has been completed I think its premature to detail Task 4.

Below are my questions/comments for the specific site plans:

Dresser

- Is there really any point in testing the ignitability characteristics of marsh sediments?

- A detailed site map should have been included in the Task 2 assignment, it should be completed before undertaking the sampling activities of Task 3.

- After reviewing the Task 2 report I recommended that foundry sand samples be taken at depth from within the sand piles.

Stocks Pond

- I suspect that the exposed foundry sands along the creek embankment were moved there from the surface of the disposal area, when the area was graded and paved into a parking lot. It's certainly more convenient to sample this exposed material but I don't think it would be representative of the material disposed in the pond. In keeping with my earlier suggestion, additional samples should be collected from depth, beneath the parking lot.

- It is assumed that the site surveying task will not only identify existing features, but also the limits of the covered pond.

Central Autowrecking

- Test pits should be located in the more suspicious areas identified by historical aerial photos - assuming such photos are available.

- Surficial soils from the scrapyard should be collected and analyzed for PCBs.

LSB Warehouse

- Task 3 assignments should include the sampling of any drums encountered.

- I recommend that one of the proposed test pits be located in the side of the soil & rubble mound located at the western perimeter of the site.

If you have any questions, please contact me at 716-847-4585.

ad

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202

Thomas C. Jorling
Commissioner

MEMORANDUM

TO: Srikanth Maddineni, DHWR

FROM: David Locey, DHWR Region 9

SUBJECT: Stocks Pond (915082) and Dresser Industries (915064) - Preliminary Site Assessments

DATE: December 7, 1990

As a delayed follow up to my November 21 telephone conversation with C. Whitfield, I would like to offer my written comments on subject PSAs.

Stocks Pond

- The "foundry sands" exposed along the embankments of Cayuga Creek may not be representative of the material disposed in the backfilled pond. I recommend that further investigations of the site include borings through the disposal area, beneath the restaurant parking lot.

- To determine the number of borings required, their location and depth will require some understanding of the pond's former boundaries and depth. This type of information should have been uncovered in Task 1 of the PSA.

- Analysis of water samples from Cayuga Creek is certainly a good idea. Since the surface water standards for quite a few metals are based on the water's hardness, it would be appropriate to include this parameter in the list of analytes.

Dresser Industries

- To reiterate one of the previous comments, I emphasize the need to collect representative waste samples. In addition to sampling the exposed foundary sands, it might be appropriate to dig test pits to uncover waste which hasn't been weathered.

- To properly locate test pits and confirm that all drums were removed from the site, it might be necessary to conduct a magnetometer and/or an electromagnetic conductivity survey of the site.

ad

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202

Divisions of Solid Waste, Hazardous Waste Remediation and
Hazardous Substance Regulation

Thomas C. Jorling
Commissioner

FAX TRANSMITTAL

TO: Sri Maddineni - Room 230

FROM: Dave Lorey

DATE: 12-7-90

1 PAGES PLUS COVER

OUR FAX NUMBER IS 716/847-4388

SHOULD YOU HAVE ANY QUESTIONS REGARDING THIS FAX PLEASE CALL
716/847-4585.

TO: FILE STOCKS POND.

FROM: D. P. LOCEY DFWR REGION 9

DATE/TIME: 11.28.90/1000

RE: TELEPHONE CONVERSATION WITH PETER NIXON

OF: NYS DOT

TEL #:

CALLER: PN

DOT is sitting down w/ environmental subcontractor (Engineering Science) to develope work plan for sampling site - or a portion of it. [Kirby Vacuum Inc property?] PN would like to know if DEC would recommend analyses of TCL. Informed PN that DEC will probably concentrate on defining a hazardous waste -- EP Tox analysis agreed that TCL would be worthwhile -- include EP Tox and perhaps TCLP.

FOLLOW UP REQUIRED?: N Y

Dave 11/16/90

re: Dresser / Stocks

Be sure actual waste is sampled. I don't know if soil in cattails area is representative of actual waste. maybe borings / test pits needed?

In this case, maybe wells are necessary to determine leachability. But then again, what is the hay waste. ∴ good waste samples are needed!

NY

0 - Phone # , credit #

(716) 847-4590

- 3042

TO: FILE Stocks Pond. 915082.

FROM: D. P. Locey DHWR Region 9

DATE/TIME: 11.8.90/1415

RE: TELEPHONE CONVERSATION WITH Peter Nixon

OF: NYSDOT

TEL #: 847-3189

CALLER: DL returning PN's call of 11.8.90/1020

Stocks Pond - Broadway & Transit - DOT will be enlargening the intersection and will probably be constructing on or near the "site" Where exactly are the site boundaries? - We don't "exactly" know But part of further work (sampling) will include defineting site boundary. When? I would guess early next year (Feb.) before sampling is begun - late March or April before DEC knows enough to reclassify.

DOT will probably conduct sampling of their own this winter - DOT will keep DEC informed. Construction will probably be delayed for at least 2 years DeLeuw-Cather is the construction consultant - URS is working the environmental end.

FOLLOW UP REQUIRED?: N Y

Dave, 11-1-90

re: Stocks

Do you disagree w/ letter?

I thought foundry sand is not hay waste?

Write memo if disagree, otherwise let it be.

MCD

Dave,

9-10-90

re: Stock's

I suggest they review process records etc before sampling for everything under the sun. This way they can focus on potential haz. wastes.

I look forward to your review & recommendations.

MCO

P.S. As discussed @ evaluation this PSA should be reviewed as time permits but no later than 11/7/90.

7.18.90
Sent copies to
O'Connor DOH
Krantz DEE
requesting comments by Oct 16 1990

TO: FILE Stocks Pond 91582

FROM: D. P. Locey DHWR Region 9

DATE/TIME: 8.17.90 / 0905

RE: TELEPHONE CONVERSATION WITH Kurt Felgemacher

OF: DeLuw Cather & Co

TEL #: 853 6940

37 Franklin St
300 Cathedral Hill
Park Tower
Buffalo NY 14202

CALLER: DPL (returning 8/15/90 call)

KF apparently working on consulting project for DOT -- Broadway reconstruction. Earlier submitted FOI Request. Sutton responded by pointing out location of Stocks Pond site. KF has already looked thru Erie Co DEP files and then copy of Phase I. Informed him that PSA was underway. Expect draft report written a couple of weeks. Call me then. (KF wasn't interested in looking through our files.)

KF inquired about CERCLIS. . agreed to find phone # and call him back then

FOLLOW UP REQUIRED?: N Y

FILE: STOCKS POND
1990

Dave:

I wasn't sure if you wanted us to file these or not. Thanks for the info.

Our schedule for inspections of your sites is as follows:

Thurs: July 19 Dresser 9:30 AM meet w/ Dresser rep @ site.

Stocks Pond - after completion of Dresser.

Monday: July 23rd LSB Warehouse

~~Wednesday~~ July 24 25 Central Autowrecking meeting owner's representative @ 9 AM @ 12:00 noon, Gateway - Holiday Inn. at the site

We'll call later this week to coordinate if you want to join us.

Neil Brown

FILE STOCKS POND

7/20/90

Dave:

Site visits @ Dresser + Stocks Pond went well. There is a high use of the Dresser site by dirt-bikers + people on ATVs.

Our schedule for next week is modified slightly. Central Autowrecking has moved to 9:00 AM Tuesday morning.

We will come to DEC after we fly in Monday. You can join us then if you want to go out to LSB.

Talk to you Monday

Neil Brown
E.C. Jordan

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202

Thomas C. Jorling
Commissioner

TO: Abul Barkat
FROM: David Locey
SUBJECT: Inactive Sites' Memo of March 14, 1989

DATE: April 7, 1989

I have reviewed the status of the four inactive hazardous waste sites noted in your memo and offer the following courses of action:

I. Stock's Pond (#915082) - The Department and DOH inspected the site in November of 1987 and recommended that sediment, leachate and fill samples be taken before considering a Phase II investigation (November 24, 1987 memo from Demick to Lupe attached). I believe that recommendation is still appropriate and suggest that it might be implemented sometime this summer. The site has been tentatively included in Round 6 of the Phase II investigation.

II. Stauffer Chemical-Artpark (#932049) - The little evidence which has been gathered seems to support the current site classification (3). However, the Niagara County Health Department has suggested in the past that the site should undergo a Phase II investigation, I am inclined to agree. To support the re-classification or to justify a Phase II, it might be necessary to resample previously noted leachate seeps and reopen a Phase I - type study (the consultant's report didn't document what remedial action/measures requested by the Department were carried out when the Artpark was constructed and sewers were installed).

III. Evans Town Landfill - Town Line Road (#915019) - Groundwater data was forwarded by the Regional office to Albany requesting that the site be de-listed. The Albany office found this information sufficient and recommended to the DOH that the site be de-listed. The DOH has yet to respond.

IV. Springville Village Landfill (#915084) - Leachate and sediment samples were collected by the DEC in October 1988, lab results are still in QA/QC review. The Department is still waiting for EPA to locate data gathered in 1986.

DL:jd

TO: FILE Stocks Pond

FROM D.P. LOCEY

CALLER

FOLLOW UP REQUIRED?

RE TELEPHONE CONVERSATION WITH Kurt Felgemacher

OF DeLeuw Cather

TEL #

DATE/TIME 4.19.91 / ~1430

DOT study of Broadway / Transit - sampling results being prepared in a report by Engineering Science - 1 week?

PSA report from DEC office returned - 3 weeks ago?

...where is it?

NYSDEC CONTRACT NO. D-002472

NYSDEC WORK ASSIGNMENT NO. D002472-6

E.C. JORDAN CO.

DRAFT REPORT

TASK 1: DATA RECORDS SEARCH AND ASSESSMENT
PRELIMINARY SITE ASSESSMENT

STOCKS POND
SITE NO. 915082
ERIE COUNTY

SEPTEMBER 1990

Submitted by:

Elizabeth A. Ryan
Project Manager
E.C. Jordan Co.

Approved by:

Guy Wm. Vaillancourt, P.E.
NSSC Program Manager
E.C. Jordan Co.

NOTICE

This Preliminary Site Assessment report of the Stock's Pond Site (Site No. 915082) located in the Village of Depew, Erie County, New York, was prepared expressly for New York State Department of Environmental Conservation (NYSDEC) under the Superfund Standby Contract (Contract No. D-002472 Work Assignment No. D-002472-6). The purpose of this report is to provide information necessary for the NYSDEC to reclassify the site according to the Class 2, 3 and Delist categories described in Section 2.0 of this report. The conclusions and recommendations in the report represent Jordan's professional judgement and opinion based on present, generally accepted engineering practices for preliminary site characterizations and assessment. The conclusions in this report are based on record reviews, interviews, and the site walkover performed by Jordan. The health-based regulatory standards discussed in this report may change in the future. Levels of environmental contamination that are "acceptable" by current standards may not be so in the future.

The information contained in this report may not be suitable for any other use without adaptation for the specific purpose intended. Any such reuse of or reliance on the information, assessments, or conclusions in this report without adaptation will be at the sole risk and liability of the party undertaking the reuse.

JHG/NYSDEC/70B

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LIST OF FIGURES

1.0 EXECUTIVE SUMMARY

The Stock's Pond Site, Site No. 915082, is located on the southeast corner of the intersections of Broadway and Transit Roads in the Village of Depew, Erie County, New York (Figure 1). The Stock's Pond Site is approximately 2.5 acres in size and is bounded on the south by Cayuga Creek.

Historical use of the site includes quarry activities in the late 1800's and an ice operation between 1910 and 1937. Between 1967 and 1977, the pond area was used for landfilling foundry sands, slag, and lagoon sludge generated by Dresser Industries. Waste hauler records for 1967 through 1978 indicate 71,831 cubic yards (cy) of material were disposed of at the site. This material included sludge (34,411 cy), sand (30,107 cy), and slag (7,313 cy). In 1986 the site was developed and an Arby's restaurant and parking lot was constructed over the former pond area (Figure 2).

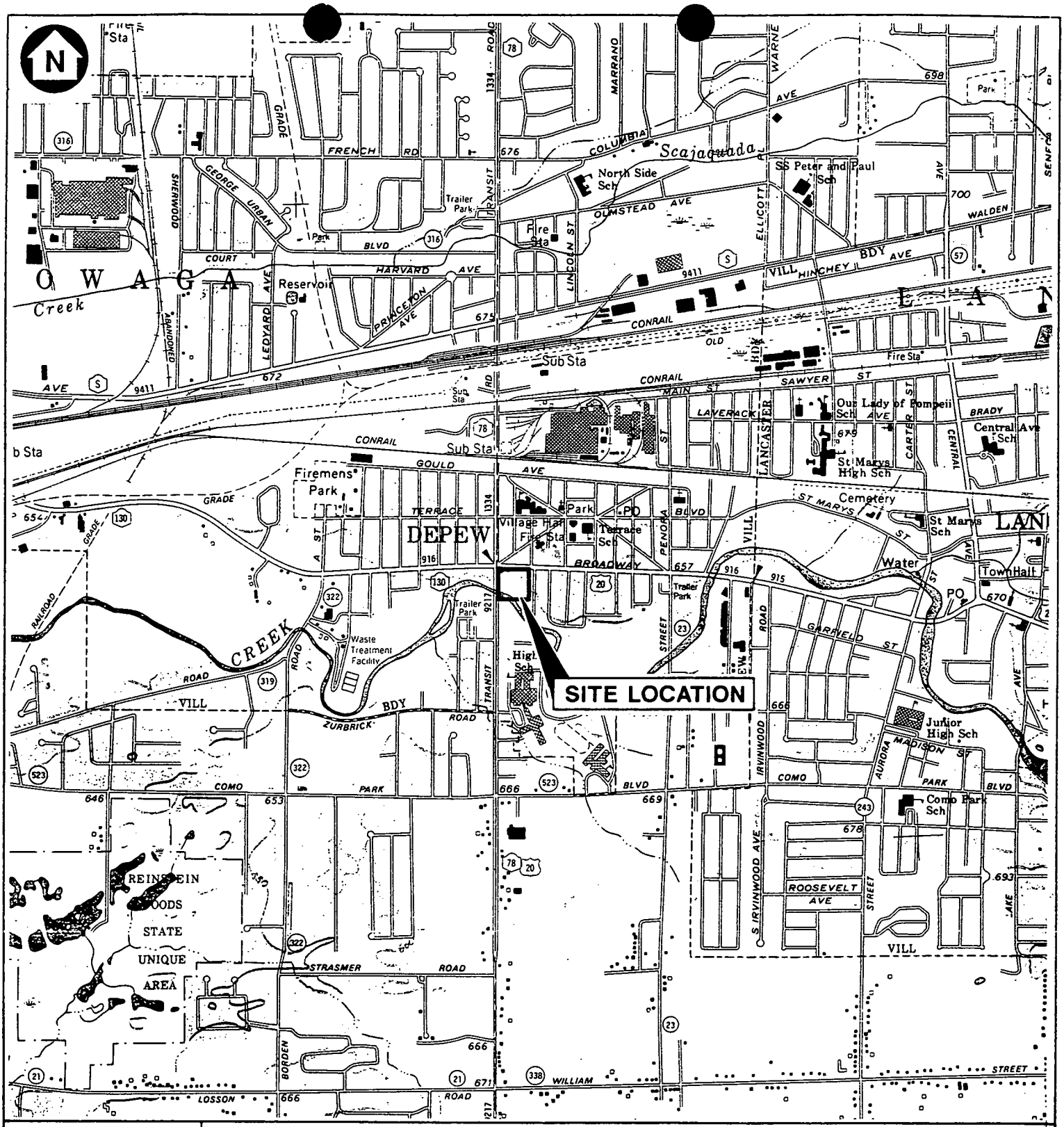
E.C. Jordan Co. (Jordan) did not identify records to document hazardous waste disposal at the Stock's Pond Site. Analysis of two soil samples collected in 1981 by New York State Department of Environmental Conservation (NYSDEC) detected several inorganic constituents and total recoverable phenolics (TRP) with concentrations ranging from non-detect to 150 mg/kg. Analysis of one surface water sample detected several heavy metals and TRP at concentrations less than 1 mg/l.

Based on the available information, Jordan cannot recommend changing the classification of the Stock's Pond Site on the New York State Registry of Inactive Hazardous Waste Disposal Sites. The materials disposed of on-site have never been sampled or accurately characterized. To develop data to confirm or deny hazardous waste disposal, Preliminary Site Assessment (PSA) Task 3 activities should be initiated. Jordan recommends obtaining samples of the exposed foundry sand and analyzing for characteristics of Extraction Procedure (EP) toxicity, ignitability, reactivity, and corrosivity, and the United States Environmental Protection Agency's (USEPA) Target Compound List (TCL) of organic and inorganic compounds. Results of these analyses will be used to determine if hazardous wastes have been disposed on-site.

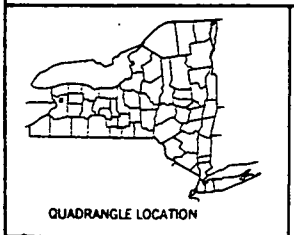
If hazardous waste deposition is indicated based on the suggested PSA Task 3 activities, PSA Task 4 activities should be initiated to assess whether the site poses a significant risk to human health or the environment. Jordan recommends installing monitoring wells on-site and sampling to assess potential impacts to groundwater quality. Groundwater samples should be analyzed for the TCL, or at a minimum, the compounds detected in PSA Task 3 activities. Results of these analyses will be compared to ambient groundwater standards to determine if a contravention of standards exists and assess if the site poses risk to public health or the environment.

As part of the PSA Task 4 activities, Jordan recommends collecting subsurface soil samples during the installation of monitoring wells. These soil samples should be analyzed for EP toxicity, reactivity, and corrosivity, and the TCL. Results of these analyses would be used to determine if hazardous materials are buried under the restaurant and parking lot.

Surface water and sediment samples should be collected from Cayuga Creek, at locations upstream (e.g., background) and adjacent to the site. Analysis of these samples can be compared to appropriate surface water quality standards to assess the potential environmental risks.



SOURCE: N.Y.S. DEPARTMENT OF TRANSPORTATION, LANCASTER QUADRANGLE DATED 1988, 7.5 MINUTE SERIES



SITE NO: 915082
LOCATION: VILLAGE OF DEPEW
ERIE COUNTY

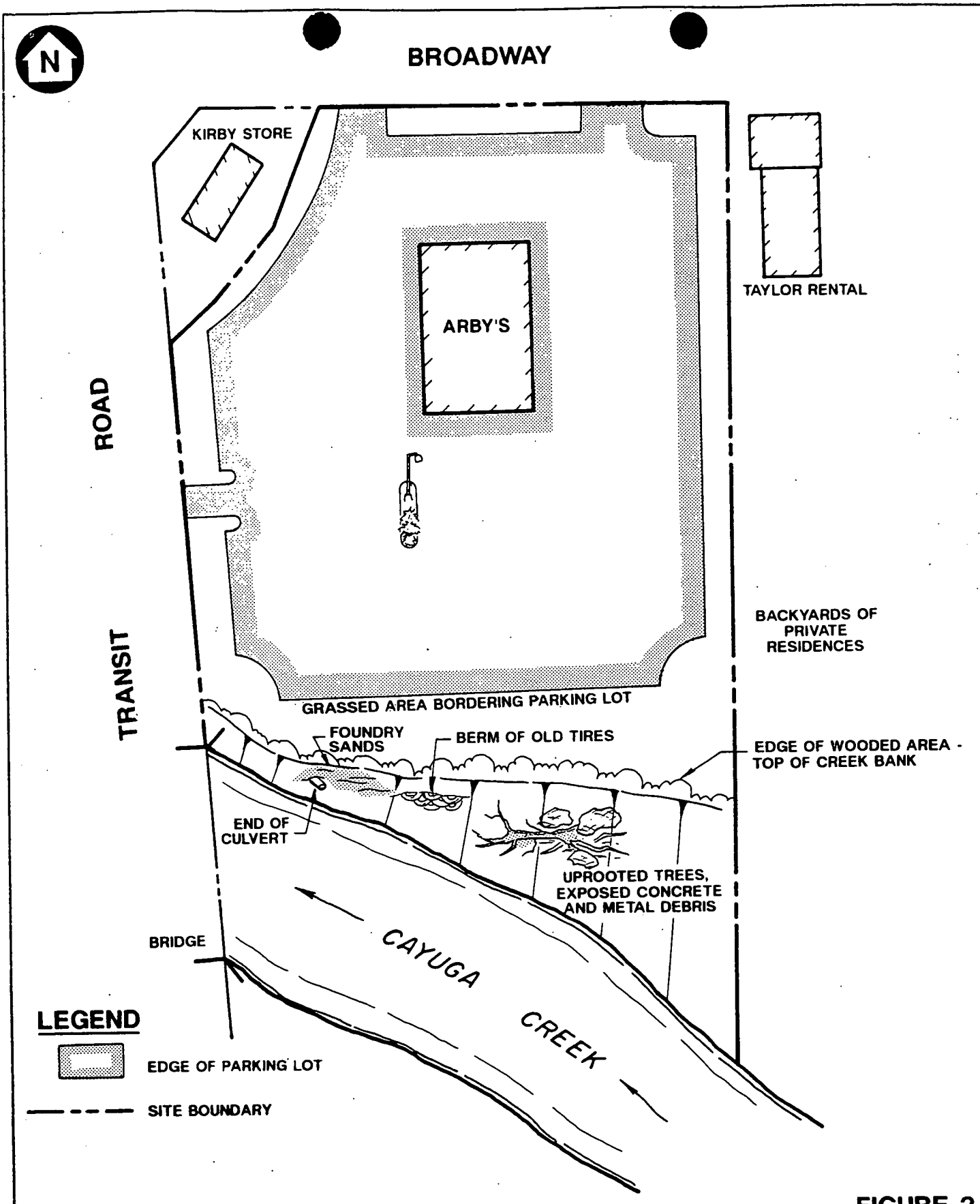
SCALE IN FEET

0 2000 4000

FIGURE 1
SITE LOCATION MAP
STOCK'S POND
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

EC JORDAN CO

6291-30



SITE NO.: 915082
LOCATION: VILLAGE OF DEPEW, ERIE COUNTY, NEW YORK

NOT TO SCALE

FIGURE 2
SITE SKETCH MAP
STOCK'S POND
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

E.C. JORDAN CO.

6291-30

47-15-25 (2/90)—3d

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

Original—BHSC
Copy—REGION
Copy—OGC
Copy—DOH

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

1. SITE NAME	2. TAX MAP NO.	3. TOWN	4. COUNTY
Stocks Pond		Village of Depew	Erie

5. REGION	6. CLASSIFICATION	7. ACTIVITY
9	[XX] Current [ ] Proposed	[ ] Add [ ] Reclassify [ ] Delist [XX] Modify

8. DESCRIBE LOCATION OF SITE

The site is on the southeast corner of the intersection of Transit Road (Route 78) and Broadway (Route 20). The southern side of the site is bounded by Cayuga Creek. The site has been developed and an Arby's Restaurant has been constructed on-site.

b. Site Latitude 42°54'04" longitude 78°42'14"

c. A USGS Topographic Map is attached showing site location [XX] Yes Quadrangle Lancaster [ ] No

9. BRIEFLY DESCRIBE THE SITE

Due to development and construction of the Arby's, site is almost entirely paved over. Southern side of site is grassy, then drops approximately 20 feet to Cayuga Creek. The creek bank is heavily wooded. There are several areas of old (20+ year) berms. Foundry sand and construction debris are exposed on the bank.

b. Area 2.5 acres c. DEC ID Number 915082 d. EPA ID Number D98053506

e. PA/SI [ ] Yes [ ] No f. DEC Investigation [ ] None [XX] Phase I [ ] Phase II [XX] Other Preliminary Site Assessment

g. A Property Survey Map is attached showing disposal areas [ ] Yes [ ] No

10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS STORED/DISPOSED OF AT THIS SITE

There is no documented evidence of hazardous waste (as defined by 6 NYCRR 371) disposal on this site. Construction of the Arby's effectively removed or covered any evidence of the landfilling and other former uses of the site.

11. SUMMARIZED SAMPLING DATA ATTACHED

[ ] Air [ ] Groundwater [ ] Surface Water [ ] Soil [ ] Waste [ ] EP Tox

b. List contravened parameters and values

No samples were collected during this visit.

12. PLEASE PROVIDE THE FOLLOWING INFORMATION

a. Distance to nearest surface water 50 ft. Classification C

b. Depth to nearest groundwater 0.5-2 ft. [ ] Aquifer [ ] Sole Source [ ] Primary [ ] Principal

c. Distance to nearest water supply unknown ft. Classification

d. Is site used for agricultural purposes (crops or livestock)? [ ] Yes [XX] No

e. Is access to site controlled (e.g. fences, gates)? [ ] Yes [XX] No

f. Has site documented fish or wildlife mortality? [ ] Yes [XX] No

g. Has site impacted on a special status fish or wildlife resource? [ ] Yes [XX] no

h. Is the site within a State Economic Development Zone? [ ] Yes [ ] No

i. For Class 2a. Health Model Score. [ ] Yes ____ [XX] No

j. For Class 2, Priority Category. [ ] 1 [ ] 2 [ ] 3 Reason

k. HRS Score [ ] Yes ____ [XX] No

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Leo Piotrowski	126 Lexington Green West Seneca, NY 14224	(716)675-5453

16. APPROVAL

Date

Signature and Title

2.0 PURPOSE

Task 1, Data Records Search and Assessment, of a Preliminary Site Assessment (PSA) was conducted at the Stock's Pond Site, Site No. 915064, in Depew, New York by the E.C. Jordan Co. (Jordan) under contract to the New York State Department of Environmental Conservation (NYSDEC) Superfund Standby Contract (Contract No. D-002472, Work Assignment No. D-002472-6).

The Stock's Pond Site is a suspected inactive hazardous waste site recognized by NYSDEC. This site is currently classified as Class 2a because there is insufficient information to document hazardous waste disposal and/or assess the significance of potential risks to public health or the environment. The purpose of a PSA is to provide the information necessary for NYSDEC to reclassify the site according to the following classifications:

Class 2 - Hazardous waste sites presenting a significant threat to the public health or the environment.

Class 3 - Hazardous waste sites not presenting a significant threat to the public health or the environment.

Delist - Sites where hazardous waste disposal is not documented.

3.0 SCOPE OF WORK

Preliminary Site Assessment Task 1 consists of two data gathering tasks: a file review/records search and a site walkover. Specific activities performed for the Stock's Pond Site under this task are described in the following sections.

3.1 File Reviews

The Jordan project team began collecting information on the Stock's Pond Site at the NYSDEC Central Office in Albany, New York between June 25 and 27, 1990. In addition, Jordan personnel reviewed files at Albany offices of the New York State Department of Health (NYSDOH), the U.S. Geological Survey (USGS), the U.S. Fish and Wildlife Service (USFW), the NYS Department of Transportation (NYSDOT), and the State Geologic Survey.

On July 16, 1990 the Jordan team reviewed files at NYSDEC's Region 9 Office in Buffalo, New York. Jordan personnel reviewed files at the Erie County Department of Environment and Planning (ECDEP) and the Buffalo offices of the NYSDOH on July 18, 1990. Information concerning the boundary lines and property ownership was obtained from the Village of Depew Tax Assessor's office on July 19, 1990. The ECDEP is located in the Village of Depew Municipal Offices; however, this office does not participate in Inactive Hazardous Waste Site investigations; therefore no information was gathered from this agency.

3.2 Site Walkover

On July 19, 1990 a site walkover was conducted at the Stock's Pond Site. The following individuals attended the visit:

Name	Title	Affiliation
Cornelia Brown	Assoc. Env. Scientist	E.C. Jordan Co.
Eric Sandin	Hydrogeologist	E.C. Jordan Co.

The site walkover began at 10:30 am. A photoionization detector (PID) was calibrated prior to entering the site. The field team used this instrument during the inspection to monitor ambient air quality. The resulting data was used to confirm that worker health was protected and safety procedures could be taken if concentrations were detected above background levels.

A sketch illustrating the property boundaries, key topographic features and material found on-site is presented in Figure 2. The Arby's restaurant and parking lot covers almost the entire site. There was no evidence of the former pond area, landfilled materials, or berms. There is a strip of grass 10 to 30 feet wide that separates the south side of the parking lot from the bank leading down to Cayuga Creek.

The Jordan team walked along Cayuga Creek to view the creek bank. The bank was vegetated and has a good growth of well established trees. Black sands were observed along the bank and are presumed to be foundry sands. A pile of tires were also observed along the creek bank. These tires appear to be at least 40 years old as evidenced by their construction of solid rubber mounted directly on metal rims. This observation supports the claim of historical dumping at this site. One section of the bank had exposed subsurface soils, and erosion has uprooted some trees. Pieces of concrete and metal were evident within the soils of the bank.

Photographs were taken for the site file. The site walkover was completed at 11:15 am.

4.0 SITE ASSESSMENT

The following sections describe the information gained through the records search and site walkover at the Stock's Pond Site.

4.1 Site History

During the 1800's, the Stock's Pond Site was used as a quarry. In 1910, the Stock Family began operating an ice business on this property. A stone and masonry wall, about 15 feet high, was built to form a pond from which ice blocks were cut during the winter. The ice was stored in a building adjacent to the pond, for use during warm weather. In 1937, the Cayuga Creek flooded, ruining the ice equipment. The ice operations at the pond ceased at this time (ECDEP, 1984).

The pond area was subsequently filled with foundry sands and dried lagoon sludge generated from the Dresser Industries foundry located approximately a half mile north of Stock's Pond on Transit Road. Records of wastes disposed of at the Stocks Pond Site were available for 1967 through 1978. During this period 71,831 cubic yards (cy) of material were dumped at the site. Included in this material was 34,411 cy of lagoon sludge, 30,107 cy of sand, and 7,313 cy of slag (Ferry, 1979).

In the late 1970's there were reports of building contractors illegally dumping broken concrete and clay on-site. The Stock Family leveled the area and constructed a clay berm to prevent access to and limit illegal dumping at the site (ECDEP, 1984).

The Stock Family sold the property to Leo Piotrowski in 1985. In 1986 an Arby's Restaurant was constructed on-site (Clare, 1986). Evidence of the former ponds and berms no longer exists as most of the site is paved over with an asphalt parking lot.

4.2 Site Topography

The site is flat and is at the same grade as Broadway and Transit Roads on the north and west sides of the site. On the eastern side of the site, the grade slopes slightly dropping approximately 3 feet to the backyards of adjacent homes. The top of the bank on the southern edge of the site is approximately 20 feet above the level of Cayuga Creek.

4.3 Site Hydrology

The following paragraphs describe the known hydrologic setting at the Stock's Pond Site.

<u>**Surface Water Hydrology.**</u> Cayuga Creek forms the southern boundary of the site and Scajaquada Creek is located approximately one mile north of the site. Cayuga Creek has been classified as a Class C

water source and is best used for fishing and limited recreational uses but not as a source of water supply for drinking, culinary or food processing purposes and primary contact recreation. Scajaquada Creek has been classified as a Class B water source with best usage including recreation but not as a source of water supply for drinking, culinary, or food processing purposes (6 NYCRR Part 701). There are nine New York State regulated wetlands within a 5-mile radius of the site (New York State Freshwater Wetlands Map).

Groundwater Hydrology. Jordan did not identify any information regarding the specific groundwater regime at the site. However, based on the regional geology and site soils, a perched water table is expected to be encountered 0.5 to 2 feet below the ground surface. Bedrock in the vicinity of Stock's Pond is the Oatka Creek Shale member of the Marcellus formation. Bedrock is exposed in Cayuga Creek. The shale is a dense fissile shale with beds of gray shales and several concretionary layers. An important feature of the shale is a discontinual zone of fracturing along the upper surface of the rock (Recra Research, 1986).

The soils of the northern half of the site consist of Varysburg gravelly loam. These are deep, well drained to moderately well drained soils. It is formed in gravelly deposits underlain by clayey sediment. This soil is generally on undulating terraces along lower valley sides. In April and May this Varysburg soil has a perched seasonal high water table in the lower part of the subsoil. Permeability in the gravelly mantle is moderately rapid or moderate (10^{-4}-10^{-6} cm/sec), and in the underlying clayey material is it very slow (USDA SCS, 1986).

The soils of the southern half of the site, bordering Cayuga Creek, are Wayland silt loam. This soil is deep and poorly to very poorly drained. It formed in silty alluvium on the lowest parts of flood plains. Wayland soil has a high water table at or very near the soil surface from November through June. Permeability is moderately slow or moderate in the surface layer and slow in the subsoil and substratum (USDA SCS, 1986).

Residents in the Village of Depew receive their drinking water from public water supplies. Water is supplied from a town source and from the Erie County Water Authority. Residents in the vicinity of the Stocks Pond Site receive their water from the later. Lake Erie is the source of Erie County Water Authority's water (Recra Research, 1986).

4.4 Contamination Assessment

Two soil and one surface water samples were collected by NYSDEC in December, 1981. The samples were analyzed for inorganic compounds, total recoverable phenolics (TRP), and a halogenated organic scan. Concentrations of metals greater than 10 ug/g detected in the soil

samples included: chromium (14 ug/g), copper (20 ug/g), lead (140 ug/g), and zinc (150 ug/g) (Recra Research, 1982). Analyses of the surface water samples, collected from a leachate seep found behind houses bordering the east side of the site in 1982, detected lead (0.20 mg/l), zinc (0.351 mg/l), and TRP (0.020 mg/l).

Based on the nature of materials disposed of on-site and considering the parking lot which covers most of the landfilled materials; there does not appear to be a source for direct contamination of the air. There is no data or information supporting the presence of volatile materials at the site.

The construction of the Arby's restaurant and parking lot also greatly reduces the amount of infiltration due to precipitation. This factor reduces the potential for groundwater contamination; however, leaching may have occurred before the site was covered. Wastes exposed on the bank of Cayuga Creek may also act as a source of surface water contamination due to run off. Although Cayuga Creek is a Class C water and not suitable as a drinking water source, the stream does border residential areas and could be used for recreational purposes including fishing.

5.0 ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

5.1 Hazardous Waste Deposition

Information collected by Jordan did not confirm hazardous waste deposition at the Stock's Pond Site. However, samples of foundry sands were analyzed only for heavy metals and total recoverable phenolics. The lagoon sludge and slag have never been analyzed or characterized. Jordan was unable to identify any sources of information concerning the chemical composition of the foundry sands.

Foundry sands from two other sites on the Registry of Inactive Hazardous Waste disposal sites, Horan Road (Site No. 837005) and Chicago Pneumatic (Site No. 622003) were analyzed for characteristics of EP toxicity. The samples from Horan Road failed for chromium on first analysis, but passed at a later sampling date (Rollings, 1984). EP toxicity tests performed on the foundry sands from Chicago Pneumatic showed levels of heavy metals to be below those listed in the New York State Regulations 6 NYCRR 371.3(e) for the identification of hazardous waste (Falk, 1990).

Although sampling and analyses results from these two other sites indicate that foundry sands may not be hazardous wastes, the actual composition of the sands at the Stocks Pond Site has not been determined. Without specific data concerning the chemical composition of the wastes at the Stock's Pond Site, Jordan can not make a final determination regarding the disposal of hazardous wastes.

5.2 Significant Threat Determination

Jordan did not identify sufficient data to determine if the Stock's Pond Site poses a significant threat to the environment or public health. Sampling conducted to date is limited. Soil data are available; however, there are no promulgated standards for soil composition to which they could be compared. A key feature to this site is that the restaurant and parking lot constructed on-site reduces the public health risk from direct contact exposure.

The analysis of the single surface water sample did detect TRP (0.020 mg/l) in concentrations greater than the Class C - Ambient Water Quality Standards for both chlorinated and unchlorinated phenols, 0.001 and 0.005 mg/l, respectively. Results of TRP analysis conducted prior to 1986 are suspect since there was no approved analytical methodology for this analysis. The TRP method is limited in that it cannot measure para-substituted phenols, a class of phenols that include some hazardous constituents. Jordan cannot confirm the validity of the TRP data without information specifying the analytical methodology and quality assurance/quality control procedures used during the analyses. Therefore, it is not appropriate to use TRP data to determine whether the site poses a significant threat to public health or the environment.

The wastes exposed on the bank of Cayuga Creek potentially pose both a public health and environmental risk. Contaminants leaching or eroding into Cayuga Creek could impact water quality and aquatic life. Although Cayuga Creek is not designated as source for drinking water or contact recreation, the stream is classified as suitable for fishing.

There are no critical habitats or endangered species in the vicinity of the Stock's Pond Site.

5.3 Recommendations

As described in Section 5.1, information collected by Jordan did not confirm or deny the presence of hazardous waste at the Stock's Pond Site. Based on the available information, the site can neither be reclassified or removed from the New York State Registry of Inactive Hazardous Waste Sites.

To develop data to confirm or deny hazardous waste disposal, PSA Task 3 activities should be initiated. Jordan recommends obtaining samples of the exposed wastes on the bank of Cayuga Creek. Samples should be analyzed for characteristics of Extraction Procedure (EP) toxicity, ignitability, reactivity, and corrosivity, and the USEPA Target Compound List (TCL) of organic and inorganic compounds.

The site poses a potential environmental risk due to its proximity to Cayuga Creek and the exposed wastes on the creek bank. If hazardous waste deposition is indicated based on the suggested PSA Task 3 activities, PSA Task 4 activities should be initiated to develop the data necessary to make an assessment as to whether the site poses a significant risk to human health or the environment. If PSA Task 4 activities are required Jordan recommends installing monitoring wells upgradient and downgradient of the former pond area to assess if there has been any impact to groundwater quality from the site. Groundwater samples should be analyzed for the TCL, or at a minimum, compounds detected in PSA Task 3 activities. Results of these analyses would be compared to ambient groundwater standards to determine if a contravention of standards exists and if the site poses a risk to the environment.

During the installation of monitoring wells, subsurface soils should be analyzed to determine the chemical composition of the wastes buried on-site. The purpose of this additional environmental sampling would be to determine whether hazardous wastes are buried under or adjacent to the restaurant and parking lot.

Jordan further recommends collecting surface water and sediment samples from Cayuga Creek and analyzing these for the TCL. Samples should be collected from points upstream and adjacent to the site. Results would be compared to appropriate standards and guidelines

to determine if a contravention of standards exists and to assess the potential risk posed by these media.

APPENDIX A

REFERENCES

REFERENCES

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(CONTINUED)

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APPENDIX B

SITE INSPECTION REPORT
(USEPA FORM 2070-13)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	01 SITE NUMBER
New York	D98053506

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Stocks Pond	South East Corner of Broadway and Transit Road

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST
Depew	New York	14043	Erie	029	

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
42 54 04._	078 42 14._	X A. PRIVATE _ B. FEDERAL _____ _ C. STATE _ D. COUNTY _ E. MUNICIPAL _ F. OTHER _____ _ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
07 / 19 / 90 (MONTH DAY YEAR)	_ ACTIVE X INACTIVE	1961 (BEGINNING YEAR) | 1977 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
_ A. EPA _ B. EPA CONTRACTOR _____ (Name of firm) _ C. MUNICIPAL _ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
_ E. STATE X F. STATE CONTRACTOR E.C. Jordan Co. (Name of firm) _ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Eric Sandin	Hydrogeologist	E.C. Jordan Co.	(207) 775-5401
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Cornelia Brown	Assoc. Environmental Scientist	E.C. Jordan Co.	(207) 775-5401
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☐ PERMISSION ☐ WARRANT	10:30 am	Clear, high clouds, 82° F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Sri Maddineni	New York State Department of Environmental Conservation	(518) 547-0638

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	03 DATE
Cornelia M. Brown		E.C. Jordan Co.	(207) 775-5401	8 / 6 / 90 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D980535306

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- X A. SOLID
- X B. POWDER, FINES
- X C. SLUDGE
- _ D. OTHER _____ (Specify)
- _ E. SLURRY
- _ F. LIQUID
- _ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS _____
- CUBIC YARDS 71,831
- NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- X A. TOXIC
- _ B. CORROSIVE
- _ C. RADIOACTIVE
- X D. PERSISTENT
- X E. SOLUBLE
- _ F. INFECTIOUS
- _ G. FLAMMABLE
- _ H. IGNITABLE
- _ I. HIGHLY VOLATILE
- _ J. EXPLOSIVE
- _ K. REACTIVE
- _ L. INCOMPATIBLE
- _ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	Unknown		dried bentonite clay sludge
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	Unknown		Foundry sands with phenolic binders
IOC	INORGANIC CHEMICALS	Unknown		"slag"
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04/STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
Soil: OCC	Phenol	108-95-2	landfill	9	ug/g
MES	Lead	7439-92-1	landfill	140	ug/g
MES	Chromium	7440-47-3	landfill	15	ug/g
Surface Water					
OCC	Phenol	108-95-2	landfill	0.02	mg/l
MES	Lead	7439-92-1	landfill	0.1	mg/l
MES	Chromium	7440-47-3	landfill	0.036	mg/l

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D980535306

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Phenolic binders and heavy metals in foundry sand are potential sources of contaminants to groundwater.

01 X B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 1,000-10,000
02 X OBSERVED (DATE: 1982) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Analysis of surface water samples collected from backyards adjacent to site to the east detected lead (0.10 mg/l) and total phenolics (0.02 mg/l). Surface waters draining to Cayuga Creek could introduce contamination.

01 _ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 _ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 X E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 10-100
02 X OBSERVED (DATE: 7/90) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Foundry sands, concrete and metal debris were exposed on the bank of Cayuga Creek.

01 X F. CONTAMINATION OF SOIL
03 POPULATION POTENTIALLY AFFECTED: 100-1,000
02 X OBSERVED (DATE: 1982) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Soil samples were collected from the yards adjacent to the site and from an area of a reported leachate breakout in the southwest corner of the site. Analysis detected lead (140 ug/g), zinc (150 ug/g), and total phenolics (9 ug/g).

01 _ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 _ H. WORKER EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 X I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: 1-10
02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

An Arby's Restaurant and parking lot was constructed over the fill area in 1986. Waste material, while not easily accessible, is exposed on a bank along the southern boundary of the site.

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D980535306

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 _ J. DAMAGE TO FLORA — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 X K. DAMAGE TO FAUNA — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

Exposed wastes are on the bank of Cayuga Creek. Aquatic organisms potentially could be exposed to substances carried into the stream via surface water runoff.

01 X L. CONTAMINATION OF FOOD CHAIN — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Cayuga Creek is classified as suitable for fishing. Fish exposed to contaminants could potentially be caught and consumed.

01 X M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 X OBSERVED (DATE: 1981) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10-100 — 04 NARRATIVE DESCRIPTION

Wastes were deposited in a pond. Leachate breakout observed in 1981. Exposed wastes on creek bank are subject to erosion due to precipitation and high water.

01 _ N. DAMAGE TO OFFSITE PROPERTY — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

N/A

01 _ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

N/A

01 X P. ILLEGAL/UNAUTHORIZED DUMPING — 02 _ OBSERVED (DATE: _____) _ POTENTIAL X ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Illegal dumping of demolition debris allegedly occurred after pond was filled.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 1,000-10,000

IV. COMMENTS

Contaminants leaching into Cayuga Creek could impact population using the stream for recreational purposes. Population within 1 mile of site is 20,000; assumed up to 50 percent would use Cayuga Creek.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D980535306

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
_ A. NPDES				
_ B. UIC				
_ C. AIR				
_ D. RCRA				
_ E. RCRA INTERIM STATUS				
_ F. SPCC PLAN				
_ G. STATE (specify)				
_ H. LOCAL (specify)				
_ I. OTHER (specify)				
_ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
_ A. SURFACE IMPOUNDMENT		
_ B. PILES		
_ C. DRUMS, ABOVE GROUND		
_ D. TANK, ABOVE GROUND		
_ E. TANK, BELOW GROUND		
X F. LANDFILL	71,831	cubic yards
_ G. LANDFARM		
_ H. OPEN DUMP		
_ I. OTHER _____ (specify)		

04 TREATMENT (check all that apply)
_ A. INCINERATION
_ B. UNDERGROUND INJECTION
_ C. CHEMICAL/PHYSICAL
_ D. BIOLOGICAL
_ E. WASTE OIL PROCESSING
_ F. SOLVENT RECOVERY
_ G. OTHER RECYCLING/RECOVERY
_ H. OTHER _____ (specify)

05 OTHER
X A. BUILDINGS ONSITE

06 AREA OF SITE
2.5 (acres)

07 COMMENTS

Pond was filled to grade with foundry sand, clay, sludge, and slag.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (check one)

X A. ADEQUATE, SECURE _ B. MODERATE _ C. INADEQUATE, POOR _ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Wastes were deposited into a pond that was ultimately filled to grade. Pond area has been paved over with one building constructed on top of fill area. Wastes are exposed on bank of Cayuga Creek; however two section of a berm (20+ year old), constructed of tire and wire caging, were found on the bank.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: _ YES X NO
02 COMMENTS

Bank where wastes are exposed is overgrown and very difficult to access. All other wastes were paved over when parking lot was constructed.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	01 SITE NUMBER
New York	D980535306

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (check as applicable)	SURFACE	WELL
COMMUNITY	A. X	A. _
NON-COMMUNITY	B. _	B. _

02 STATUS		
ENDANGERED	AFFECTED	MONITORED
A. _	B. _	C. X
D. _	E. _	F. _

03 DISTANCE TO SITE
A. 10 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (check one)

_ A. ONLY SOURCE FOR DRINKING
_ B. DRINKING (other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)
_ C. COMMERCIAL INDUSTRIAL IRRIGATION (Limited other sources available)
X D. NOT USED, UNUSABLE

02 POPULATION SERVED BY GROUNDWATER N/A

03 DISTANCE TO NEAREST DRINKING WATER WELL N/A (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
9 (ft)	south	N/A (ft)	N/A (gpd)	_ YES X NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

N/A

10 RECHARGE AREA		11 DISCHARGE AREA	
_ YES X NO	COMMENTS	X YES _ NO	COMMENTS - Groundwater may discharge to Cayuga Creek.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

X A. RESERVOIR, RECREATION DRINKING WATER SOURCE
_ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES
_ C. COMMERCIAL INDUSTRIAL
_ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Cayuga Creek	_	50 feet
Scajaquada Creek	_	1 (mi)
	_	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 20,000 NO. OF PERSONS	B. 50,000 NO. OF PERSONS	C. 70,000 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION
300 feet

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
> 500	20 feet

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within written vicinity of site, e.g., rural, village, densely populated urban area)

Site is in an area that is developed primarily for commercial purposes. However, area is mixed residential including houses bordering on the site.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	01 SITE NUMBER
New York	D980535306

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

_ A. 10^{-6} - 10^{-8} cm/sec X B. 10^{-4} - 10^{-6} cm/sec _ C. 10^{-4} - 10^{-3} cm/sec _ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

A. IMPERMEABLE (less than 10^{-6} cm/sec) X B. RELATIVELY IMPERMEABLE (10^{-4} - 10^{-6} cm/sec) _ C. RELATIVELY PERMEABLE (10^{-2} - 10^{-4} cm/sec) _ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL Ph	
8 (ft)	unknown (ft)	6.5	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
9.0 (in)	2.1 (in)	< 3.0 %	south	3.0 - 5.0 %

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10

_ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTAURINE	OTHER
A. N/A (mi)	B. 1 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

N/A (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. 200 feet	B. 300 feet	C. _____ (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Due to development of the site in 1986, the site is flat and the same grade as Broadway and Transit Roads on the north and west sides of the site. On the eastern side of the site, grade slopes slightly, dropping approximately 3 feet, to the backyards of adjacent homes. The top of the bank on the southern edge of the site is approximately 20 feet above the level of Cayuga Creek.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D980535306

II. SAMPLES TAKEN - No samples collected during this PSA

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE X GROUND _ AERIAL

02 IN CUSTODY OF Sri Maddenini, NYSDEC
(Name of organization or individual)

03 MAPS
X YES
_ NO

04 LOCATION OF MAPS
Sri Maddenini, NYSDEC

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

EPA

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D980535306

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Leo Piotrowski		126 Lexington Green		West Seneca	New York	14224
4827 Broadway, Inc.		126 Lexington Green		West Seneca	New York	14224

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Lawrence, Elizabeth, and Hugh Stock		27 Litchfield Avenue		Depew	New York	14043
Frank Stock				Depew	New York	14043

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D980535306

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
14 CITY	15 STATE / 16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER

PREVIOUS OPERATOR'S PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
14 CITY	15 STATE / 16 ZIP CODE

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER

10 NAME	11 D+B NUMBER
12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
14 CITY	15 STATE / 16 ZIP CODE

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER

10 NAME	11 D+B NUMBER
12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
14 CITY	15 STATE / 16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	980535306

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(s)

01 NAME Dresser Industries	02 D+B NUMBER	01 NAME Dresser Industries	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 2 Main Street	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 718	04 SIC CODE
05 CITY Depew	06 STATE New York	07 ZIP CODE 14043	05 CITY Dallas	06 STATE Texas	07 ZIP CODE 75221
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME Ferry Concrete Construction Co.	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 3179 Walden Avenue	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY Depew	06 STATE New York	07 ZIP CODE 14043	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D980535306

II. PAST RESPONSE ACTIVITIES

01 04	A. WATER SUPPLY CLOSED DESCRIPTION	02 DATE	03 AGENCY
01 04	B. TEMPORARY WATER SUPPLY PROVIDED DESCRIPTION	02 DATE	03 AGENCY
01 04	C. PERMANENT WATER SUPPLY PROVIDED DESCRIPTION	02 DATE	03 AGENCY
01 04	D. SPILLED MATERIAL REMOVED DESCRIPTION	02 DATE	03 AGENCY
01 04	E. CONTAMINATED SOIL REMOVED DESCRIPTION	02 DATE	03 AGENCY
01 04	F. WASTE REPACKAGED DESCRIPTION	02 DATE	03 AGENCY
01 04	G. WASTE DISPOSED ELSEWHERE DESCRIPTION	02 DATE	03 AGENCY
01 04	H. ON SITE BURIAL DESCRIPTION	02 DATE	03 AGENCY
01 04	I. IN SITU CHEMICAL TREATMENT DESCRIPTION	02 DATE	03 AGENCY
01 04	J. IN SITU BIOLOGICAL TREATMENT DESCRIPTION	02 DATE	03 AGENCY
01 04	K. IN SITU PHYSICAL TREATMENT DESCRIPTION	02 DATE	03 AGENCY
01 04	L. ENCAPSULATION DESCRIPTION	02 DATE	03 AGENCY
01 04	M. EMERGENCY WASTE TREATMENT DESCRIPTION	02 DATE	03 AGENCY
01 04	N. CUTOFF WALLS DESCRIPTION	02 DATE	03 AGENCY
01 04	O. EMERGENCY DIKING/SURFACE WATER DIVERSION DESCRIPTION	02 DATE	03 AGENCY
01 04	P. CUTOFF TRENCHES/SUMP DESCRIPTION	02 DATE	03 AGENCY
01 04	Q. SUBSURFACE CUTOFF WALL DESCRIPTION	02 DATE	03 AGENCY

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D980535306

II. PAST RESPONSE ACTIVITIES (Continued)

01 __ R. BARRIER WALLS CONSTRUCTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 X S. CAPPING/COVERING 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

Restaurant with parking lot as constructed on-site in 1986.

01 __ T. BULK TANKAGE REPAIRED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ U. GROUT CURTAIN CONSTRUCTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ V. BOTTOM SEALED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ W. GAS CONTROL 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ X. FIRE CONTROL 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ Y. LEACHATE TREATMENT 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ Z. AREA EVACUATED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ 1. ACCESS TO SITE RESTRICTED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ 2. POPULATION RELOCATED 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

01 __ 3. OTHER REMEDIAL ACTIVITIES 02 DATE _____ 03 AGENCY _____
04 DESCRIPTION

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I.IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D980535306

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION X YES _ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

December 9, 1981: Site investigation conducted by NYS Department of Environmental Conservation. Surface water and silt samples collected from: 1) ponded water on east side of fill area, and 2) a leachate breakout on south side of landfill. Samples submitted for laboratory analyses.

December 1984: Site Profile Report prepared by Erie County Department of Environment and Planning.

December 1985 - February 1986: Phase I Investigation.

July 2, 1986: Site Inspection conducted by NYS Department of Environmental Conservation to document construction of Arby's Restaurant on the site.

November 7, 1987: Site Inspection conducted by representatives of Erie County Department of Health, NYS Department of Environmental Conservation, and NYS Department of Health.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, August 1990, E.C. Jordan Co., and references cited therein.

L. Clare

NOV 24 1987

To: Mr. Demick
From: Mr. Lupe REL
Subject: Stock's Pond (915082)

On November 4, 1987, Mr. Ryan (BHSC), Mr. Clare (Reg.9), Ms. Bush (NYSDOH), Mr. Koczaja, (Erie Co. DOH), and I conducted a site inspection of the Stock's Pond site, Cheektowaga, New York. The purpose of the inspection was to evaluate the scope of a proposed Phase II investigation. Based on this inspection, it does not appear warranted to conduct a Phase II investigation at this time.

The majority of the site is now paved and a fast food restaurant has been constructed on the front portion of the site. Access to waste material is limited, but is unrestricted.

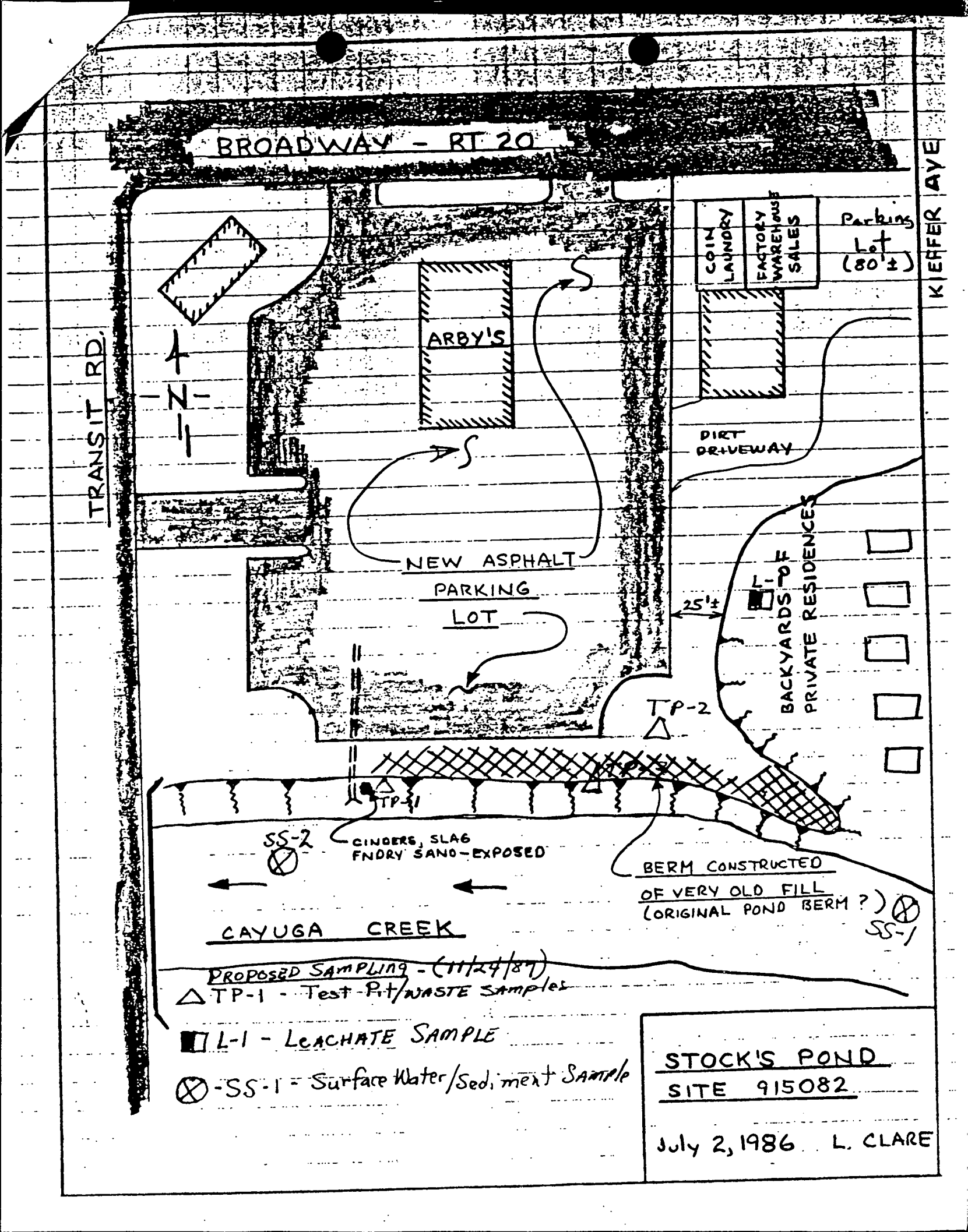
Dresser Industries reportedly used the site to dispose of foundry sand, lubricating oil, and other wastes. Foundry sand was noted on the banks of Cayuga Creek and a leachate seep was noted on the east side of the site (see attachment).

It is recommended that a waste sampling program be conducted by the Department prior to conducting a Phase II investigation. The program should include: 1. leachate samples (HSL analyses), 2. waste material/foundry sand samples from three test pits on-site and from the Dresser Industries foundry sand pile off-site (HSL and E.P. Toxicity as appropriate), and 3. surface water/sediment samples from Cayuga Creek (HSL analyses as appropriate).

Based on the results of this sampling program, the Department may decide if a more detailed study is needed. If you have any questions, please see me.

cc. J. Tygert
R. Koczaja
T. Bush
R. Olazagasti

REL;rel
bcc: L. Clare
R. Lupe
M. Ryan
L. Alen
file


BROADWAY - RT 20
KIEFER AVE
TRANSIT RD.
N
ARBY'S
COIN LAUNDRY
FACTORY WAREHOUSE SALES
Parking Lot (80'±)
DIRT DRIVEWAY
NEW ASPHALT PARKING LOT
25'±
L-1
BACKYARDS OF PRIVATE RESIDENCES
TP-2
TP-1
SS-2
CINDERS, SLAG FNDRY SAND - EXPOSED
BERM CONSTRUCTED OF VERY OLD FILL (ORIGINAL POND BERM?)
SS-1
CAYUGA CREEK
PROPOSED SAMPLING - (11/24/87)
△ TP-1 - Test Pit/WASTE Samples
■ L-1 - LEACHATE SAMPLE
⊗ - SS-1 = Surface Water/Sediment Sample
STOCK'S POND
SITE 915082
July 2, 1986 L. CLARE

Stocks Pond

FOIL

Releasable ____

Non-Releasable ✓

Mr. Peter Buechi
Mr. Lawrence Clare
Foundry Sand
Dresser Industries
April 8, 1986

The Erie County Department of Environment and Planning (DEP) (Mr. Anthony Voell) has raised the issue of whether or not foundry sand, containing phenolic binders, should be classified as a hazardous waste. Phenol is a listed hazardous waste, but could conceivably not be if the binder is not leachable. Under the Mitre Model, the entire quantity of sand would be considered a hazardous waste based on its content of phenol.

Mr. Voell has suggested a study of foundry sand to ascertain whether or not it should be classified as a hazardous waste. He may be contacting you or Albany staff regarding this proposal.

Foundry sand from Dresser Industries currently constitutes the alleged hazardous waste at two (2) sites:

1. Dresser Industries 915064
2. Stocks Pond 915082

The draft Phase I reports for both sites recommend carrying out a Phase II Investigation (groundwater monitoring.) A study of whether or not leachable quantities of phenol exist in foundry sand (and in particular, foundry sand from Dresser Industries) might be a more positive use of available resources than conducting two separate investigations.

If the Stocks Pond and Dresser sites are to be included in the Registry, the Dreser Plant itself should be considered for adding to the 1986 Registry. Dresser operated an unlined lagoon for the recovery of sand and slag on their foundry site. A SPDES Permit covered their surface water discharge. Sand was recovered from the pond, temporarily drained, and transported to a storage site (current registry site) for storage. As much, or more potential for groundwater contamination exists at the separation pond than as at the storage area.

LGC:ec

FOIL

Releasable

Non-Releasable ✓

Ray Lupe
Larry Clare
Draft Phase I Report
Stocks Pond - Site No. 915082
March 7, 1986

Comments in addition to those written in the draft report margins (in red):

1. Page 1: The consultant refers to "slightly elevated levels" of lead, zinc and phenols in soil and surface water.

   - What is slightly elevated? Measurable phenol in leachate? What is background?

2. Page 8: Was Sample #2 taken on the site or in the residential homes properly? Does it reflect leachate or surface water draining from the homes? The property line needs to be defined. Field observations are not available for either Region 9 sampling inspections or for Recra's inspection.

3. Page 11: Surface water samples are compared to "allowable limits".

   - What limits? Drinking water, surface water standards, groundwater standards?

   - The consultant MUST be more specific.

4. Phase II Work Plan:

   - There is no site specific Phase II Work Plan. Where are wells to be located?

   - If a Phase II study is performed on this site, one well should be placed in the center of the quarry area. Drilling to bedrock around a hole in the bedrock will accomplish nothing! There is no obvious reason for not placing a well through the fill since there are no indications of drums or extremely hazardous wastes on site.

   - A delineation of the east site property line should be included in any Phase II work proposed. Some elevations to the homes on Kieffer Street and comments on house/driveway/sump pump outlets to the backyards.

In total, this study is too general (generic). There is no firm recommendation on whether or not a Phase II study is needed. Isn't some recommendation appropriate?

It appears to Region 9 that a limited Phase II study is needed at this site. Data is needed on possible groundwater contamination in the quarry before anyone can conclude that there is no contamination of groundwater within the bedrock.

LGC:vu

cc: P. Buechi