ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PRELIMINARY SITE ASSESSMENT REPORT

Volume II Supporting Documentation

Witmer Road Site
Town of Niagara

Site No. 932027
Niagara County

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233
Thomas C. Jorling, *Commissioner*

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., *Director*

Prepared by:

ABB Environmental Services

Portland, Maine

OCTOBER 1993

LEGEND

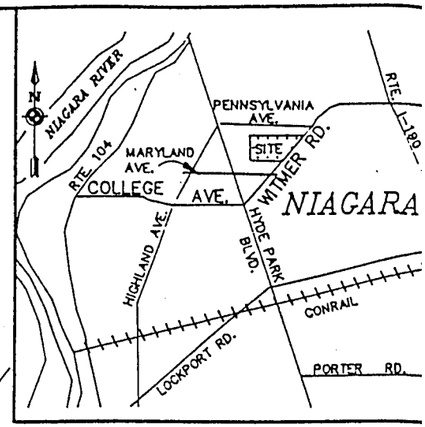
- DRUM SAMPLE
- SOIL SAMPLE
- WASTE PILE
- MONITORING WELL
- CHAIN LINK FENCE OR GATE
- SURVEY BASELINE POINT
- SPOT ELEVATION

SURVEY NOTES

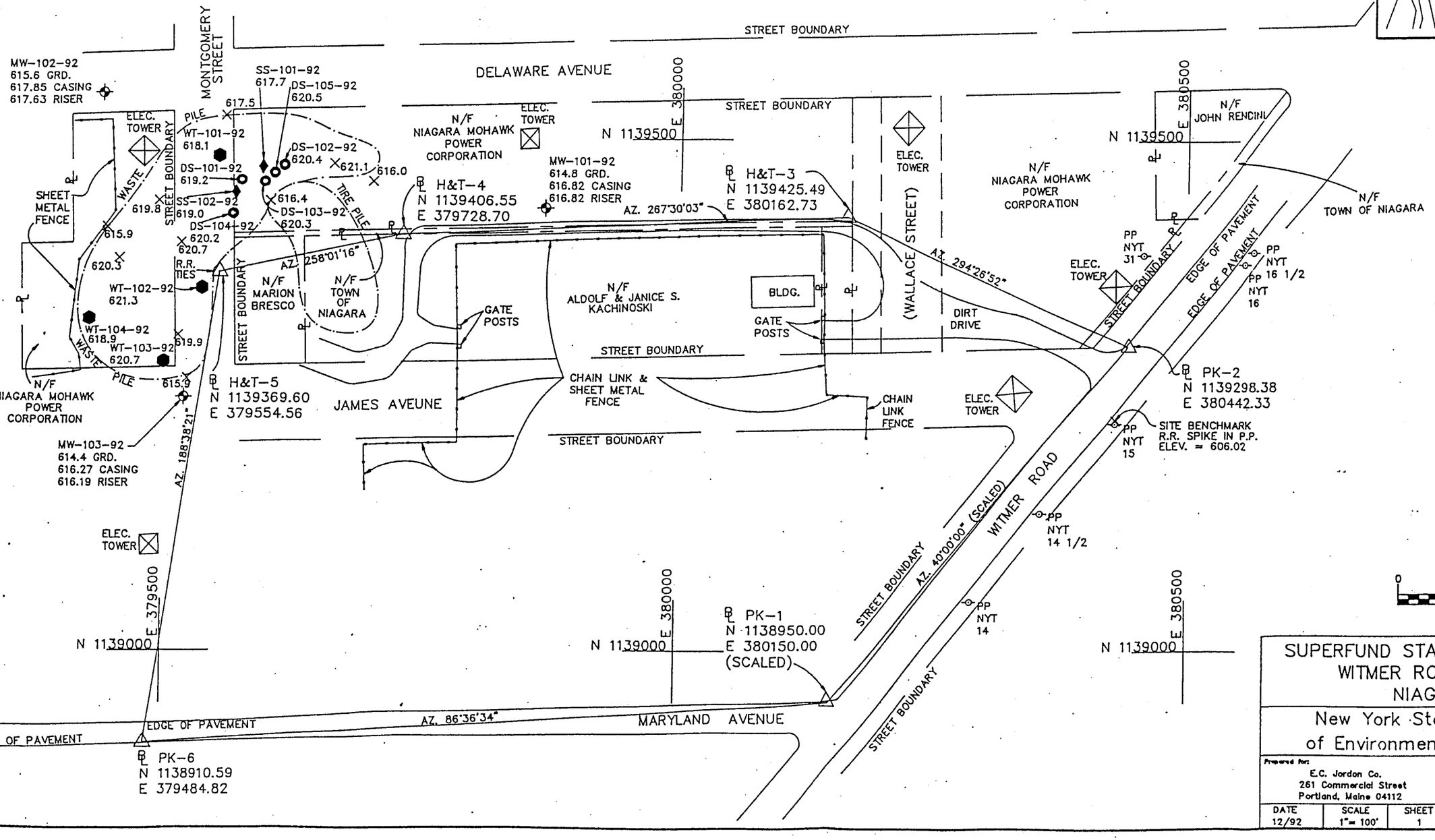
1.) ALL LOCATIONS SHOWN ON THIS MAP ARE BASED ON A SCALED COORDINATE SYSTEM FROM THE U.S.G.S. QUADRANGLE LEWISTON.

2.) ALL ELEVATIONS SHOWN ON THIS MAP ARE BASED ON AN ASSUMED ELEVATION OF 610', SCALED FROM THE U.S.G.S. QUADRANGLE LEWISTON.

3.) ALL PROPERTY LINE AND R.O.W. INFORMATION SHOWN ON THIS MAP WAS DETERMINDED BY CURRENT TAX MAP INFORMATION ONLY.



LOCATION MAP
N.T.S.

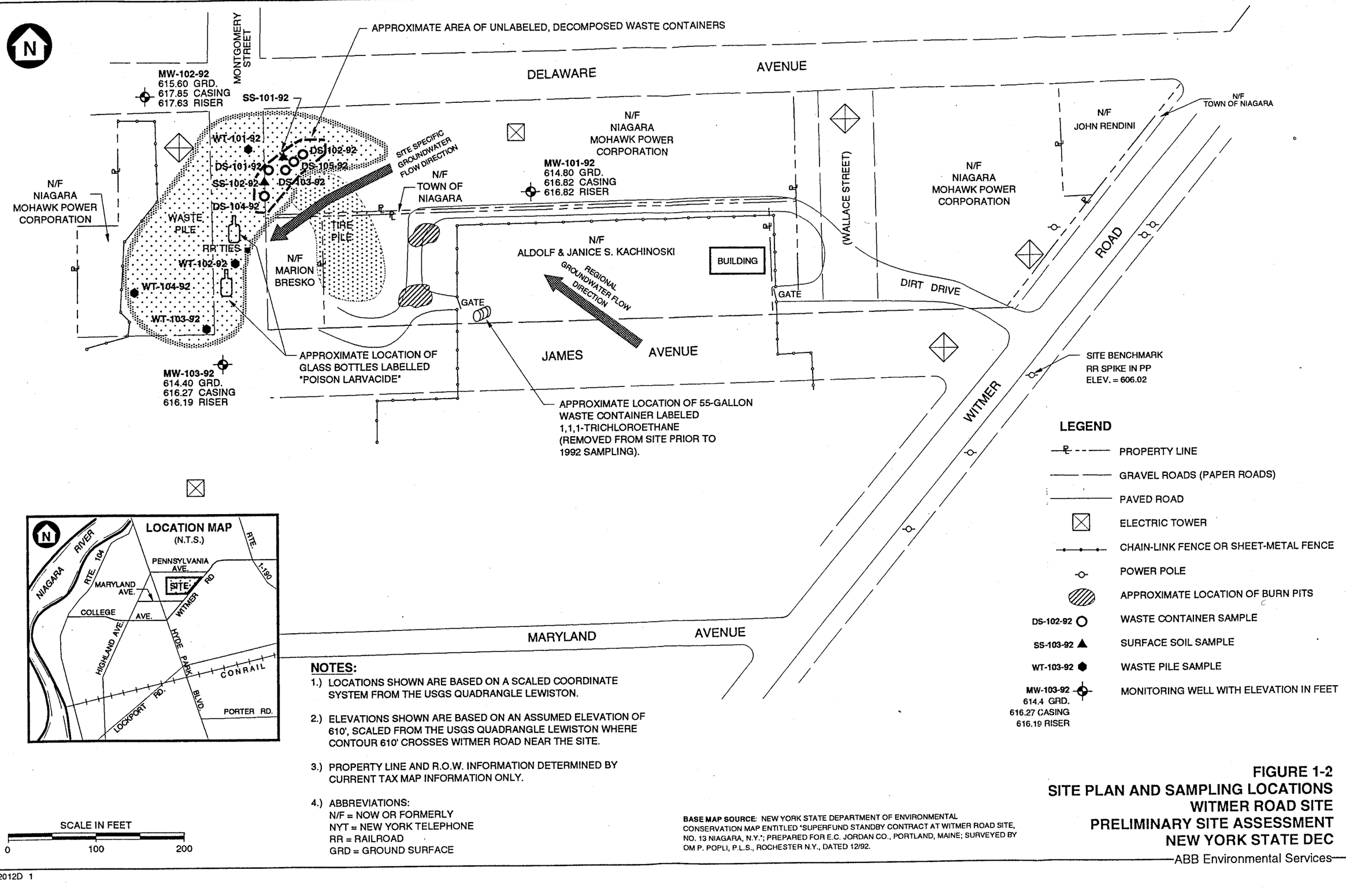


SUPERFUND STANDBY CONTRACT AT WITMER ROAD SITE, NO. 13 NIAGARA, N.Y.

New York State Department of Environmental Conservation

Prepared for:	Prepared by:
E.C. Jordon Co. 261 Commercial Street Portland, Maine 04112	OM P. POPLI, P.E.,P.L.S. 44 Saginaw Drive Rochester, New York 14623 Tel. No. 716-442-6940

DATE	SCALE	SHEET
12/92	1"= 100'	1



NOTES:

1.) LOCATIONS SHOWN ARE BASED ON A SCALED COORDINATE SYSTEM FROM THE USGS QUADRANGLE LEWISTON.

2.) ELEVATIONS SHOWN ARE BASED ON AN ASSUMED ELEVATION OF 610', SCALED FROM THE USGS QUADRANGLE LEWISTON WHERE CONTOUR 610' CROSSES WITMER ROAD NEAR THE SITE.

3.) PROPERTY LINE AND R.O.W. INFORMATION DETERMINED BY CURRENT TAX MAP INFORMATION ONLY.

4.) ABBREVIATIONS:
N/F = NOW OR FORMERLY
NYT = NEW YORK TELEPHONE
RR = RAILROAD
GRD = GROUND SURFACE

BASE MAP SOURCE: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION MAP ENTITLED "SUPERFUND STANDBY CONTRACT AT WITMER ROAD SITE, NO. 13 NIAGARA, N.Y."; PREPARED FOR E.C. JORDAN CO., PORTLAND, MAINE; SURVEYED BY OM P. POPLI, P.L.S., ROCHESTER N.Y., DATED 12/92.

FIGURE 1-2
SITE PLAN AND SAMPLING LOCATIONS
WITMER ROAD SITE
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

ABB Environmental Services

9302012D 1

7. Provide a final bound report for each site summarizing coordinates of all surveyed locations, and ground elevations, together with any comments pertinent to each location. Sampling locations shall be referenced by their proper NYSDEC identification numbers. This report shall also contain photocopies of all field notes and calculations as an appendix. The report shall describe procedures, traverses, and closures, and will note any significant observations relative to the survey. The final report shall be complete and accurate and shall not contain any errors. Any errors or omissions by POPLI shall be corrected by POPLI at no cost to JORDAN within two weeks of notice of errors/omissions, so as not to jeopardize the overall project schedule. The final report shall be signed by a surveyor licensed in the State of New York.

8. Supply POPLI's personnel with all necessary equipment and clothing including, but not limited to, hardhats and safety glasses and other items in addition to those normally utilized by POPLI at a nonhazardous site.

9. Maintain good relations with NYSDEC, the local community, and associated agencies and land owners. POPLI field personnel employed on the project should be made thoroughly cognizant of the importance of this aspect of the work and its sensitivity to the entire program.

10. Provide all necessary measures for securing POPLI's equipment during the conduct of the work.

11. Conduct all field activities in an efficient and professional manner with minimum impact to the site environment. Tree and brush removal and other activities which impact the existing site environment shall not be undertaken without prior approval by JORDAN.

12. Provide social security numbers of all personnel working on PSA.

13. Attend a health and safety briefing during the Task 2 walkover.

14. Attend a site visit/information meeting with JORDAN and the NYSDEC prior to the start of the survey activities at each of the 14 sites. Include this as a separate bid item identified as Task 2.

The methods, procedures and techniques to be used by POPLI are the responsibility of POPLI, and shall be designed to meet the intent of the specifications in Attachment A, appended hereto and incorporated by this Task Order Memorandum. Should the technical specifications conflict in any manner with the scope of services, the provisions of the scope of services shall govern.

Specific requirements for each site are as follows:

- Lake shore
- Twelve surface soils sampling locations
- Three surface water/sediment sampling locations
- Three existing on-site drinking water wells
- Maintenance garage (southern end of site)
- Wetlands boundaries north of lake
- Drum piles
- Ten spot elevations in the wetlands on-site to be determined by JORDAN Field Representative
- Ten additional spot elevations on-site to be determined by JORDAN Field Representative

Summarize the results of the Task 3 survey in a report to Jordan.

- Task 4: Remobilize to the site and establish horizontal and vertical control at 7 monitoring wells. Include the ground surface elevation, top of protective casing and top of well PVC riser. Plot locations on the site map and submit summary report to Jordan.

13. Witmer Road Site Survey Requirements:

- Task 2: Attend the site/information meeting with Jordan and NYSDEC prior to the start of the field activities.

- Task 3: Map 1-acre site located off Witmer Road, Town of Niagara, New York. Indicate locations of adjacent scrap yards, right-of-ways owned by the Niagara Mohawk Power Corporation and the Town of Niagara, and buildings and grounds owned by Aldolf Kachinoski. Horizontal and vertical control be established at the following points during Task 3:

  - Fence line on Kachinoski property
  - Two posts, located on western property border of Kachinoski property
  - Four surface soil sample locations
  - Five spot elevations on-site to be determined by JORDAN Field Representative

  Summarize the results of the Task 3 survey in a report to Jordan.

- Task 4: Remobilize to the site and establish horizontal and vertical control at 3 monitoring wells. Include the ground surface elevation, top of protective casing and top of well PVC riser. Plot locations on the site map and submit summary report to Jordan.

ATTACHMENT A

TECHNICAL SPECIFICATIONS FOR SURVEYING LOCATION AND ELEVATION OF SAMPLING LOCATIONS, MONITORING WELLS AND OTHER KEY POINTS

A. SCOPE

1. General - This specification defines the technical requirements for surveying and related items. It is not the intent of this specification to outline those technical requirements adequately covered by the referenced standards. POPLI shall furnish high quality work and materials meeting the requirements of this specification and industry standards.

2. Work to be Provided by POPLI - POPLI's work shall include furnishing supervision, labor, materials, and equipment necessary to accomplish the scope of work as specified herein. All coordinates should be reported and referenced from the horizontal control at the site established by POPLI.

3. Work to be Provided by JORDAN - JORDAN shall provide site access through NYSDEC and services specified in the Scope of Services.

B. CODES AND STANDARDS

Survey services furnished shall be in accordance with all applicable State of New York Codes and Standards.

C. MATERIALS

1. Benchmarks/Monuments - The benchmarks/monuments, if required, shall be installed with the tops flush with the ground surface. The monuments to be permanently affixed to the bases shall consist of 3-inch diameter brass plates, permanently etched with the following information:

   (a) The point on the plate of known coordinates and elevation.

   (b) The elevation of the benchmark and the datum to which it refers.

   (c) The coordinates of the monument and the coordinate system to which they refer.

   (d) The name of the Surveyor and the date of the benchmark/monument installation.

2. Stakes - The stakes used to locate temporary benchmarks and reference points, soil borings, and monitoring wells shall be composed of hardwood with a minimum nominal 1-by-1-inch cross-section. The stakes shall be at least 40 inches long. The top 6 inches of the stakes shall be painted fluorescent orange. A piece of colored

flagging shall be attached to the top of the stakes to facilitate identifying them in the field.

D. TECHNICAL REQUIREMENTS

1. Description of Services - POPLI shall provide all supervision, labor, materials, and equipment necessary to provide the surveying and related services described herein.

   (a) Establish the horizontal location (to the nearest 1.0 foot) and the vertical elevation (to the nearest 0.01 foot) for each monitoring well. For each well, three vertical elevations measurement shall be required: the top of the uncapped well riser, the top edge of the protective casing, and the ground surface next to the well.

   (b) Establish the horizontal location (to the nearest 1.0 foot) and the vertical elevation (to the nearest 0.01 foot) for locations stated by JORDAN or described in the scope of services.

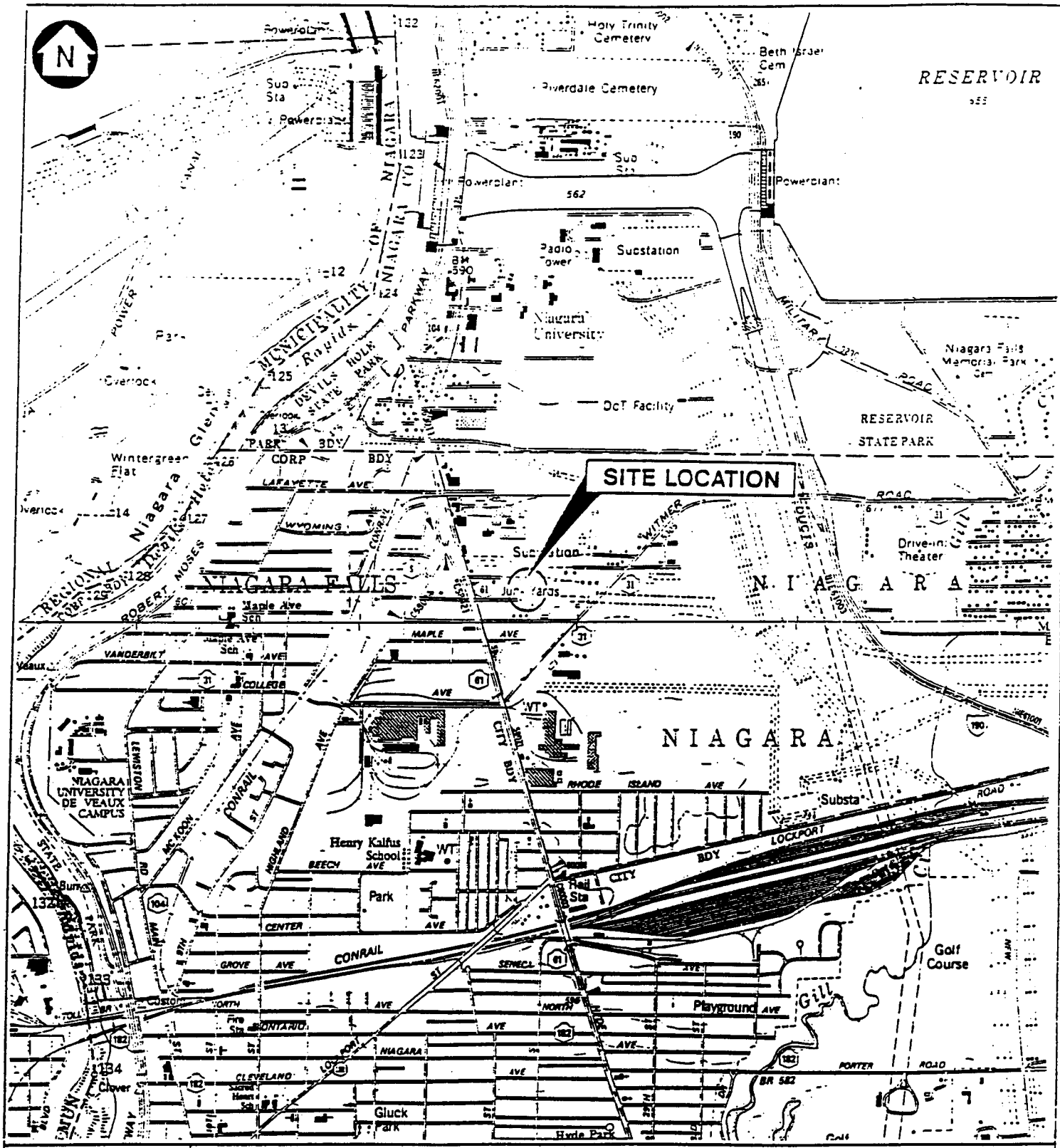
   Horizontal positions shall be tied into the New York State Plan Coordinate System. Vertical elevations shall be tied to mean sea level as determined by the 1929 General Adjustment. Horizontal and vertical survey control lines on loops shall be at third order accuracy. POPLI is responsible for establishing the appropriate horizontal and vertical control at the site (i.e. locating existing benchmarks, etc.). If benchmarks for the New York State Plan Coordinate System are not within 1-mile of the site, POPLI may elect to establish the site control from a permanent structure on the site. Use of an alternate site control point shall be subject to prior approval by JORDAN.

2. Report - For each site a final report shall be provided. The final report shall be bound and shall contain the following items: (1) a title block with the name and address of POPLI; 2) a statement(s) attesting to the accuracy and completeness of the work in accordance with normally accepted practice for work of this type; and (3) the name, signature, and New York Land Survey or License number and seal of the person(s) responsible for the work.

   The report shall contain photocopies of all field notes and computations as an appendix. The report text shall describe procedures, traverses, and closures, and will note any significant observations relative to the survey.

ATTACHMENT B

FIGURES



SOURCE: N.Y.S. DEPARTMENT OF TRANSPORTATION, NIAGARA FALLS AND LEWISTON QUADRANGLE DATED 1989 AND 1976, RESPECTIVELY, 7.5 MINUTE SERIES

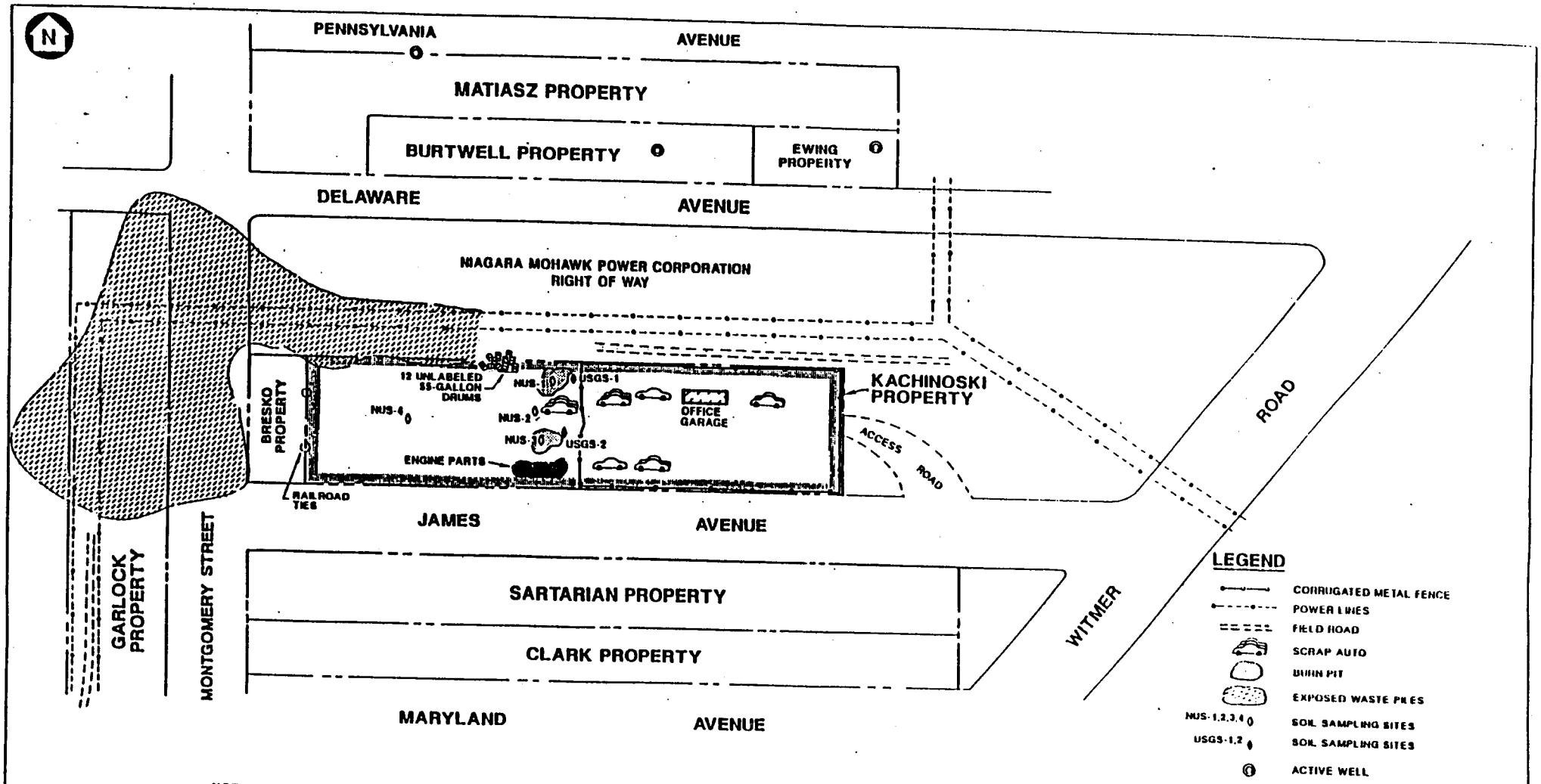
SITE NO: 932027
LOCATION: CITY OF NIAGARA FALLS
NIAGARA COUNTY

QUADRANGLE LOCATION

SCALE IN FEET
0 2000 4000

FIGURE 1
SITE LOCATION MAP
WITMER ROAD SITE
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

E.C. JORDAN CO.



NOTES:

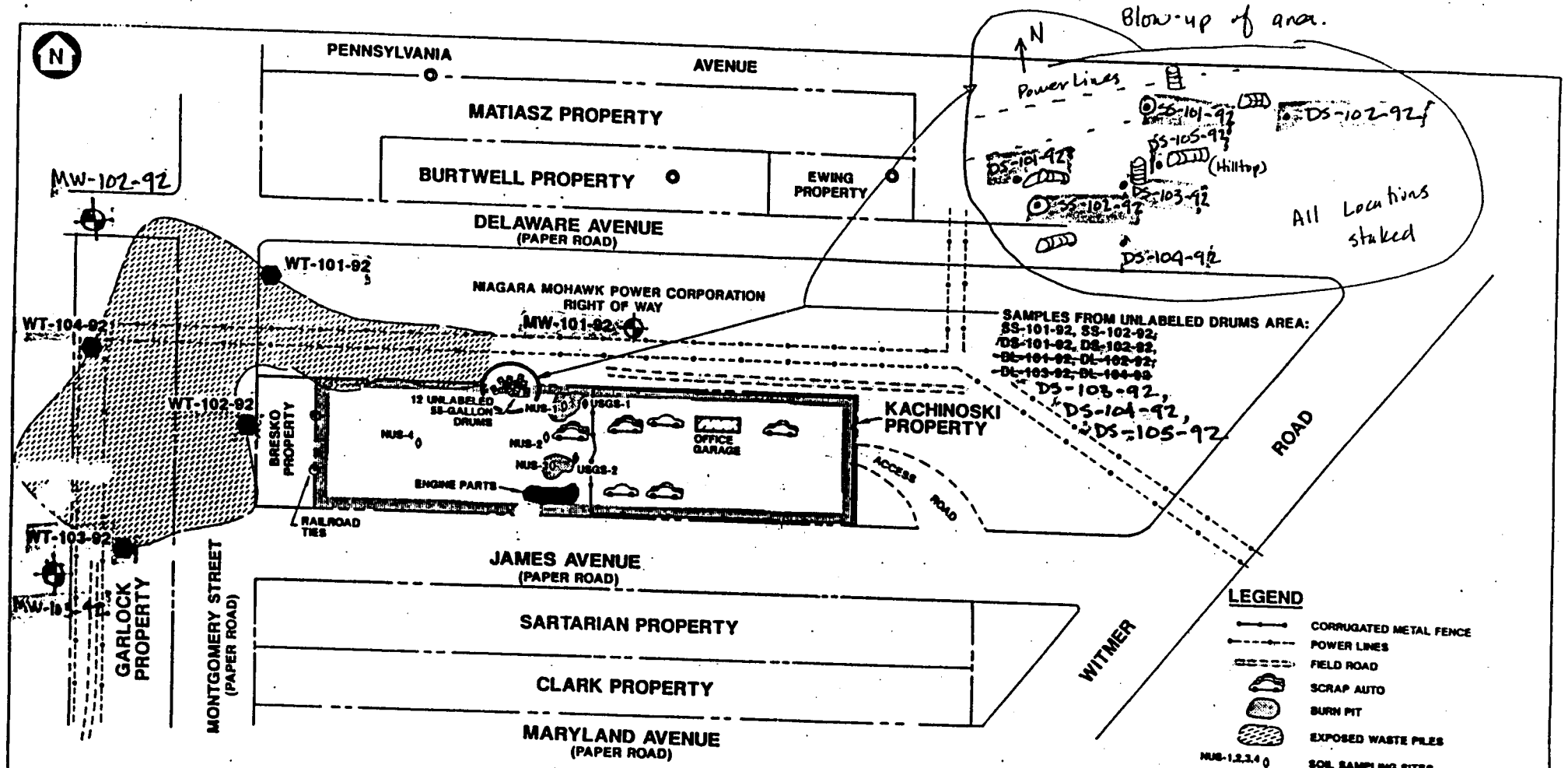
JAMES AVENUE, DELAWARE AVENUE, MARYLAND AVENUE, AND MONTGOMERY STREET ARE ALL MAPPED BUT UNCONSTRUCTED STREETS.

NOT TO SCALE

6291-30

FIGURE 2
SITE SKETCH MAP
WITMER ROAD SITE
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

E.C.JORDAN CO.



NOTES:

1. JAMES AVENUE, DELAWARE AVENUE, MARYLAND AVENUE, AND MONTGOMERY STREET ARE ALL MAPPED BUT UNCONSTRUCTED STREETS.
2. FINAL SAMPLING LOCATIONS TO BE DETERMINED DURING FIELD PROGRAM.
3. MONITORING WELL LOCATIONS WILL BE FINALIZED IN THE FIELD AFTER A WATER LEVEL SURVEY TO DETERMINE GROUNDWATER FLOW DIRECTION.

NOT TO SCALE

SOURCE: TOWN OF NIAGARA TAX MAP NO. 136.15.

7081-20

FIGURE 4-1
EXPLORATION LOCATIONS
WITMER ROAD SITE
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

E.C. JORDAN CO.

HORIZONTAL CONTROL SUMMARY

III. HORIZONTAL CONTROL

Om P. Popli, P.E., L.S., P.C. established indiscriminate control near the mapping area suitable for starting and closing the control traverse. This monumentation is not tied to any triangulation net or the New York State Plane Coordinate System.

Station CP-1 coordinates were scaled from the USGS Quadrangle Lewiston to be N 1,138,950 E 380,150. The bearing between CP-1 and CP-2 was scaled from the same USGS Quadrangle Lewiston to be N 40° E. These two control points were used to start and close the control traverse.

All traverse distances and angles were measured with a Topcon GTS-2B total station which reads direct to six seconds of arc. All distances were measured twice, one measurement in feet, one measurement in meters, measured in both directions. All horizontal angles were observed four times; two (2) direct and two (2) inverted from two different plate settings. The average of the four angles was used as the final angle.

The traverse loop established from station CP-1, ran to the east and north through the project and closed back onto station CP-1 with a precision of 1:16,632. An angular error of +01'01" was equally distributed throughout the traverse resulting in a precision of 1:52,295. A standard compass rule adjustment was then made.

All computations were completed utilizing Om P. Popli, P.E., L.S., P.C.'s Personal Computers and TDS PC Plus Surveying Software.

TRAVERSE DATA AND CLOSURE

JOB Name : CTRL-WIT

Final 12-7-92

Point	Northing	Easting	Elevation	Description
1	1138950.0000	380150.0000	602.8600	CP-1
2	1139298.3811	380442.3261	604.7200	CP-2
3	1139425.4927	380162.7297	610.2600	CP-3
4	1139406.5494	379728.6985	614.3700	CP-4
5	1139369.6020	379554.5592	619.3700	CP-5
6	1138910.5898	379484.8203	604.8700	CP-6
7	1138950.0000	380150.0000	100.0000	CP-1(CLOSE)

OM P. POPLI, P.E.
Consulting Engineers & Surveyors
44 Saginaw Drive
ROCHESTER, NEW YORK 14623
(716) 442-6940
FAX (716) 244-6008

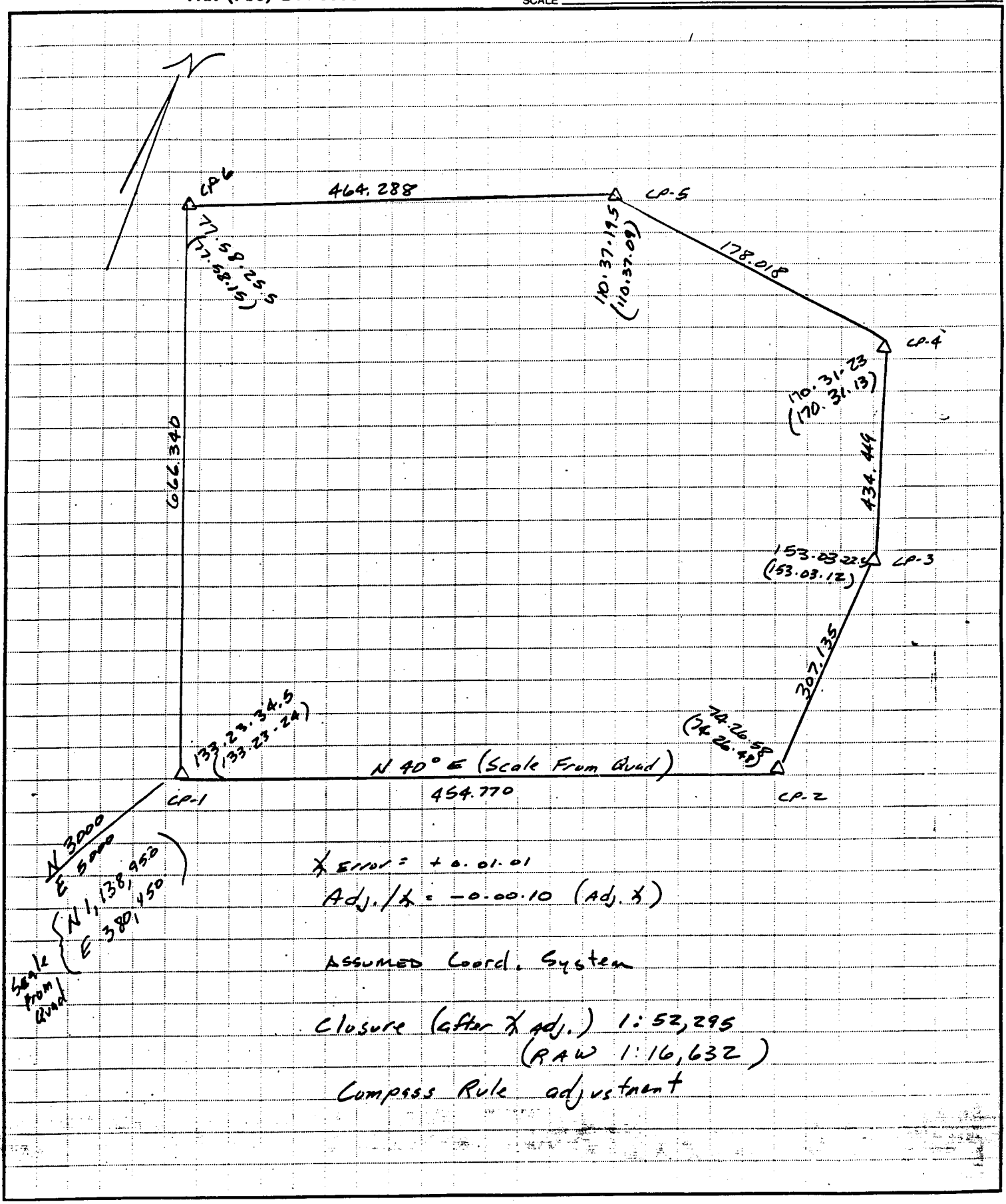
JOB Witmer Rd

SHEET NO. 1 OF 1

CALCULATED BY BPM DATE 12.3.92

CHECKED BY _____ DATE _____

SCALE _____



X Error = +0.01.01

Adj. / X = -0.00.10 (Adj. X)

Assumed Coord. System

Closure (after X adj.) 1:52,295
(RAW 1:16,632)

Compass Rule adjustment

BASELINE TIE SHEETS

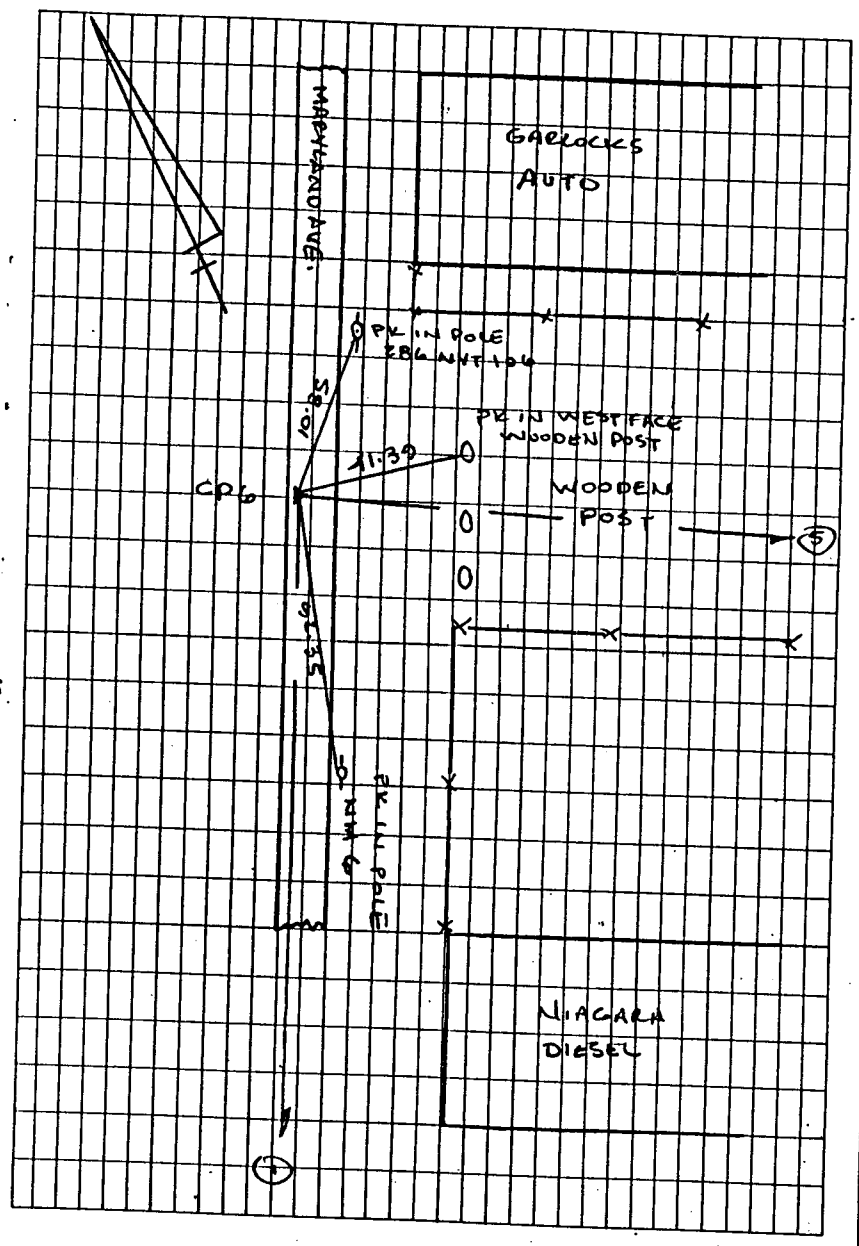
WITMER ROAD SITE

11/30/92		CONTROL		
		TO CP5	B.S. CP4	
F.S. ⓐ		110·37·21	290·37·18	
B.S.		00·00·00	179 59-57	
∠		110·37-21	110·37-21	
AVG ∠				
F.S.		200·37·18	20·37·15	
B.S.		90·00·00	269·59·57	
∠		110·37-18	110·37-18	
AVG ∠				
B.S. VERT			FT	M
	11	91·36·18	178.080	54.270
	12	268·21·21		
	∠			
F.S. VERT			FT.	M
	D	91·44·15	464.500	141.580
	C	268·16·12		
	∠			

110.37.18

KR
KH

CLOUDY 35°



WITMER ROAD SITE

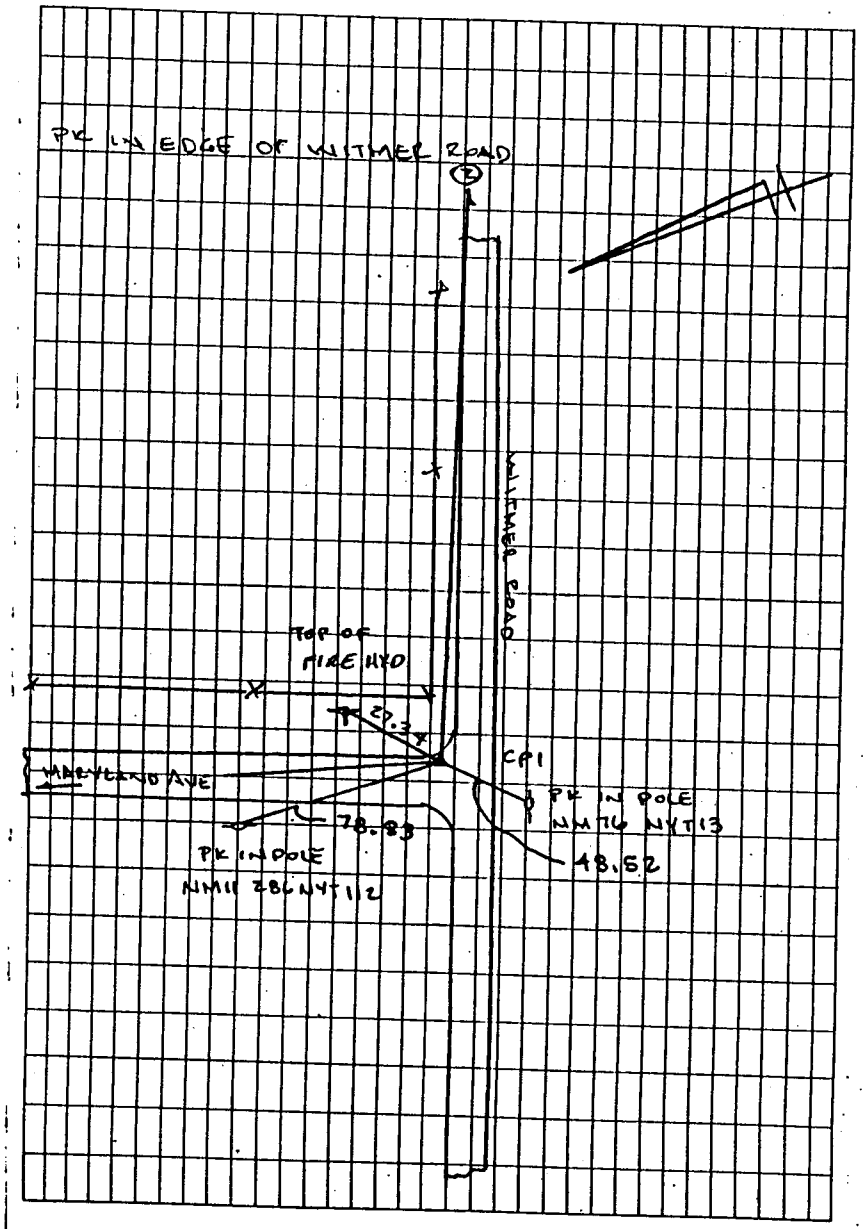
KR
KH

CLOUDY 350

(5)

11/30/92		CONTROL		
		T @ CP 6	B.S. CP 5	
FS (1)		77·58·24	257·58·21	
B.S.		00·00·00	179·59·57	
∠		77·58·24	77·58·24	
AVG ∠				
FS		167·58·27	347·58·24	
B.S.		90·00·00	269·59·57	
∠		77·58·27	77·58·27	
AVG ∠				
BS VERT			FT.	M
	D	88·16·12	464.495	141.578
	R	271·44·06		
	∠			
FS VERT			FT.	M.
	D	90·11·33	666.345	203.102
	R	269·49·00		
	∠			

77 APRIL 92



(6)

WITMER ROAD SITE

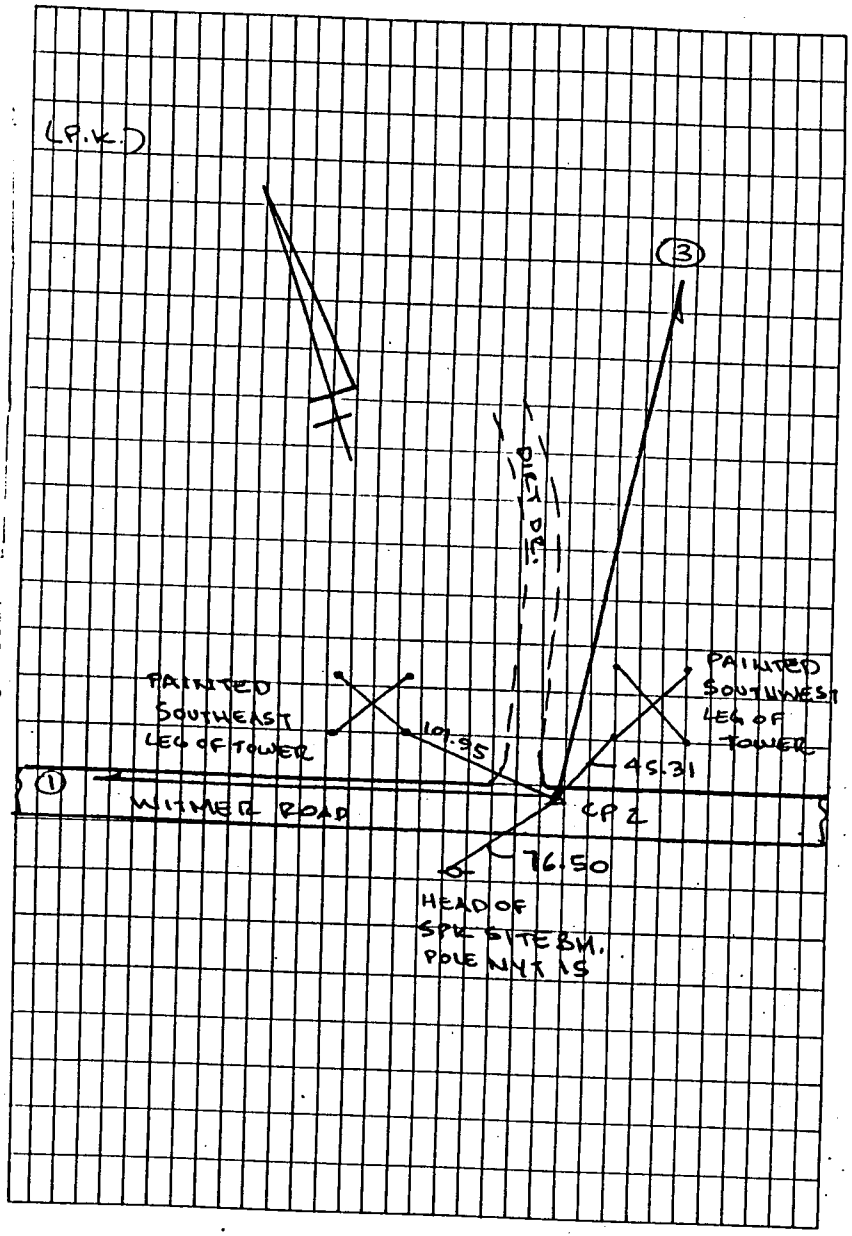
KR
KH

CLOUDY 35°

(6)

11/30/92		CONTROL		
		℄ @ CP1 B.S. CP.6		
F.S. (E)		133·23·36	313·23·33	
B.S.		00·00·00	179·59·57	
℄		133·23·36	133·23·36	
AVG ℄				
F.S.		223·23·33	43·23·30	
B.S.		90·00·00	269·59·57	
℄		133·23·33	133·23·33	
AVG ℄				
B.S. VERT			FT.	M
	D	89·49·06	666.315	203.102
	R	270·11·27		
	A			
F.S. VERT			FT.	M
	D	89·49·18	154.775	138.616
	R	270·11·18		
	A			

133, 23, 33 E



VERTICAL CONTROL SUMMARY

VI VERTICAL CONTROL SUMMARY

All elevations herein are based upon a scaled elevation of 610', from the USGS Quadrangle Lewiston, where contour 610' crosses Witmer Road near the site.

The vertical control loop originated at the edge of pavement of Witmer Road at the 610' contour crossing, and looped through the site benchmark and closed back onto the same point with an error of -0.04'. No adjustment was made.

The site benchmark is a railroad spike three feet above ground, in the northside of power pole NYT 15, located on the south side of Witmer Road, opposite the site entrance. Elevation = 606.02'.

COORDINATE AND ELEVATION SUMMARY

JOB Name : WIT

Point	Northing	Easting	Elevation	Description
101	1138949.9681	380149.9762	602.9728	CK CP-1
102	1138835.0499	380065.6792	600.4382	ED.RD.
103	1138903.2170	380119.9268	602.0834	ER@ER MAYLAND W.
104	1138921.2625	380113.9659	602.9682	ER. MARYLAND W.
105	1138950.7219	380130.1919	603.7279	ER. MARYLAND E.
106	1138954.7288	380160.9696	602.6655	ER.MARY E.@ERWIT
107	1139094.8675	380274.6043	603.9292	ER.WIT
108	1139257.1299	380406.4952	604.4300	ER.@E.O.DIRT PK
109	1139274.2009	380400.0579	604.8501	E.O.DIRT PK
110	1139291.2607	380372.9978	605.1814	E.O.DIRT PK
111	1139305.6144	380323.4201	606.0267	E.O.DIRT PK
112	1139329.3744	380341.2322	606.3311	E.O.DIRT DR.
113	1139296.9273	380409.3079	604.9977	E.O.DIRT DR.
114	1139293.5963	380425.8480	604.4081	E.O.DIRT DR.
115	1139299.6788	380440.8047	604.1900	E.O.DR.@ER.WIT
116	1139380.0336	380506.3457	604.8268	ER.
117	1139483.7415	380590.5789	605.6745	ER.
118	1139463.1143	380616.7997	605.7815	ER.
119	1139345.0529	380520.9773	604.9695	ER.
120	1139239.3680	380435.5558	604.3904	ER.
121	1139135.2274	380351.1127	603.7115	ER.
122	1139033.0788	380268.0572	603.2944	ER.
123	1139048.8067	380290.0669	602.0979	PP NYT 14
124	1139134.5296	380359.6796	602.7807	PP NYT 14 1/2
125	1139222.2653	380429.8394	603.1264	PPNYT 15 SBM
126	1139379.2771	380557.9788	605.0193	PP NYT 16
127	1139391.4329	380567.4829	604.9363	PP NYT 16 1/2
128	1139388.5178	380457.1535	605.6356	PP NM 31
129	1139358.6110	380446.4266	605.2965	LEG TOWER
130	1139375.0055	380429.1362	605.3141	LEG TOWER
131	1139356.9669	380412.9666	605.2652	LEG TOWER
132	1139341.6172	380429.2637	605.2860	LEG TOWER
133	1139270.6346	380330.6301	605.6631	LEG TOWER2
134	1139250.5740	380314.2022	605.6420	LEG TOWER2
135	1139233.4999	380334.3476	605.6344	LEG TOWER2
136	1139254.1369	380350.9879	599.1667	LEG TOWER2
137	1139307.8577	380275.5331	607.0534	E.O.DIRT DR.
138	1139305.4537	380141.7412	609.4907	E.O.DIRT DR.
139	1139324.2105	380142.2105	609.8245	E.O.DIRT DR.
140	1139324.2766	380170.0273	609.0764	E.O.DIRT DR.
141	1139341.0891	380195.7599	608.7753	E.O.DIRT DR.
142	1139370.3612	380197.3836	609.0956	E.O.DIRT DR.
143	1139397.1598	380179.3738	609.5135	E.O.DIRT DR.
144	1139411.4558	380140.8698	610.6463	E.O.DIRT DR.
145	1139411.4124	379995.5972	613.9950	E.O.DIRT DR.
146	1139407.9263	379885.7509	614.5717	E.O.DIRT DR.
147	1139419.3621	379887.7639	614.6148	E.O.DIRT DR.
148	1139421.3792	379987.8239	613.5959	E.O.DIRT DR.
149	1139423.6141	380139.7609	610.8522	E.O.DIRT DR.
150	1139416.3650	380174.6074	609.6789	E.O.DIRT DR.
151	1139392.5274	380209.4012	609.3905	E.O.DIRT DR.
152	1139367.5457	380230.5661	608.8192	E.O.DIRT DR.
153	1139333.3601	380317.9225	606.9333	E.O.DIRT DR.
154	1139513.0531	380239.3456	613.0702	LEG TOWER3
155	1139529.5347	380221.7765	613.0569	LEG TOWER3
156	1139512.6606	380205.6868	613.0600	LEG TOWER3
157	1139495.6321	380222.5663	613.0458	LEG TOWER3
158	1139208.1873	380184.4281	607.9805	BEG CLF
159	1139249.0534	380184.8071	608.2658	ENDCLF@BEG SHEET

160	1139250.6526	380145.1568	608.9117	CORSHEET&CLF
161	1139305.4537	380141.7412	609.4907	GATE POST
162	1139324.2105	380142.2105	609.8245	GATE POST
163	1139408.5303	380139.6571	610.7435	CORSHEET&CLF
164	1139404.1842	379959.5006	614.8250	POT SHEET&CLF
165	1139338.2515	380131.1383	610.7741	CORBLKBLDG&GAR
166	1139368.3928	380130.1326	611.3330	CORBLKBLDG&GAR
167	1139366.3479	380070.2260	612.0761	CORBLKBLDG&GAR
168	1139491.0247	379858.5660	616.2813	LEGTOWER4
169	1139510.3645	379857.7069	616.2423	LEG TOWER4
170	1139509.2901	379839.6921	616.3588	LEG TOWER4
171	1139490.2184	379840.2306	616.3407	LEG TOWER4
172	1139432.7339	379866.4741	614.9397	MW 101
173	1139417.1360	379831.3220	614.8386	E.O.DIRT DR.
174	1139414.3744	379747.8544	614.2506	E.O.DIRT DR.
175	1139389.5258	379730.8294	614.4770	E.O.DIRT DR.
176	1139322.3839	379729.7651	614.6206	E.O.DIRT DR.
177	1139297.7614	379717.3061	614.6931	E.O.DIRT DR.
178	1139289.5871	379687.7198	614.6929	E.O.DIRT DR.
179	1139307.5254	379641.0660	614.3190	E.O.DIRT DR.END
180	1139277.0102	379632.7466	614.3904	E.O.DIRT DR.END
181	1139258.3972	379682.0527	613.9776	E.O.DIRT DR.
182	1139264.4205	379717.9180	614.2331	E.O.DIRT DR.
183	1139291.9642	379738.6415	614.8137	E.O.DIRT DR.
184	1139299.9432	379755.8405	615.2464	E.O.DIRT DR.
185	1139299.0594	379783.9868	616.1222	E.O.DIRT DR.
186	1139314.0720	379783.4017	615.7782	E.O.DIRT DR.
187	1139317.3696	379760.5537	615.2107	E.O.DIRT DR.
188	1139327.3456	379744.0505	614.9200	E.O.DIRT DR.
189	1139375.3639	379746.3912	614.5878	E.O.DIRT DR.
190	1139395.5077	379756.8656	614.4794	E.O.DIRT DR.
191	1139405.4834	379779.8217	614.4325	E.O.DIRT DR.
192	1139406.4790	379840.6279	614.8461	E.O.DIRT DR.
193	1139397.1663	379780.6144	614.8568	CORSHEET&CLF
194	1139314.0720	379783.4017	615.7782	GATE POST
195	1139299.0594	379783.9868	616.1222	GATE POST
196	1139202.6699	379785.4254	610.4857	CORSHEET&CLF
197	1139199.7854	379695.5629	614.6534	CORSHEET&CLF
198	1139155.7120	379697.4697	612.0677	POT SHEET&CLF
199	1139246.4638	379520.5156	614.5725	MW 103
200	1139281.6493	379499.2097	620.6661	WT 103
201	1139324.0286	379425.5950	618.8764	WT 104
202	1139354.1266	379537.2224	621.3216	WT 102
203	1139426.6047	379566.5798	620.2276	DS 104
204	1139447.0951	379568.9514	619.0408	SS 102
205	1139459.3737	379574.2121	619.1681	DS 101
206	1139472.1048	379594.0149	617.6682	SS 101
207	1139457.7661	379596.0578	617.1385	DS 103
208	1139466.3507	379605.3776	620.4748	DS 105
209	1139473.8042	379614.1669	620.3541	DS 102
210	1139482.7825	379552.1775	618.0866	WT 101
211	1139544.6916	379436.2717	615.8078	MW 102
212	1139486.9714	379460.7784	617.3388	LEG TOWER5
213	1139472.0934	379476.8280	617.3452	LEG TOWER5
214	1139486.8277	379491.9342	617.2741	LEG TOWER5
215	1139516.4660	379397.7141	615.0033	POTSHEET
216	1139517.8967	379445.0446	615.7463	COR SHEET
217	1139428.9804	379449.7972	615.5027	(PT.SHEET
218	1139381.0725	379414.4708	614.4391	(PT.SHEET
219	1139304.4505	379406.2151	614.1911	(PT.SHEET
220	1139287.8078	379416.0820	613.4807	(PT.SHEET
221	1139272.1177	379418.3478	614.1451	COR SHEET
222	1139264.9999	379371.3134	612.7545	POT SHEET

223	1139266.9713	379454.3502	614.8719	APPOX PROPCOR
224	1139366.7326	379548.4386	619.3193	R.R.TIE
225	1139372.1786	379549.0181	620.1110	R.R.TIE
226	1139391.5032	379563.1863	618.7389	LIMIT WASTE PILE
227	1139404.8470	379587.7297	618.3604	LIMIT WASTE PILE
228	1139439.0207	379601.5939	616.4150	LIMIT WASTE PILE
229	1139465.8792	379637.4962	617.8609	LIMIT WASTE PILE
230	1139457.9789	379699.8732	616.0274	LIMIT WASTE PILE
231	1139492.5283	379712.6237	616.1546	LIMIT WASTE PILE
232	1139502.8161	379662.2462	616.3564	LIMIT WASTE PILE
233	1139526.1834	379630.3419	616.4081	LIMIT WASTE PILE
234	1139522.0417	379558.2035	617.5413	LIMIT WASTE PILE
235	1139516.5704	379509.4144	617.3674	LIMIT WASTE PILE
236	1139454.0814	379476.4518	616.3977	LIMIT WASTE PILE
237	1139413.8971	379441.7881	615.8704	LIMIT WASTE PILE
238	1139377.8878	379417.4895	615.2301	LIMIT WASTE PILE
239	1139307.4143	379407.4885	614.5204	LIMIT WASTE PILE
240	1139257.8334	379458.4480	613.5390	LIMIT WASTE PILE
241	1139265.0034	379523.2689	615.9388	LIMIT WASTE PILE
242	1139277.6634	379546.7591	617.1225	LIMIT WASTE PILE
243	1139350.1397	379548.4618	618.1148	LIMIT WASTE PILE
244	1139307.6812	379513.5863	619.8544	TOP WASTE PILE
245	1139303.6164	379452.3488	618.2190	TOP WASTE PILE
246	1139383.3477	379454.6140	620.2529	TOP WASTE PILE
247	1139398.5710	379515.3203	620.6939	TOP WASTE PILE
248	1139439.2855	379492.1403	619.8019	TOP WASTE PILE
249	1139470.2112	379527.5937	620.5891	TOP WASTE PILE
250	1139498.6777	379538.5951	618.9243	TOP WASTE PILE
251	1139500.8939	379598.1609	620.7533	TOP WASTE PILE
252	1139501.7043	379643.6898	619.0714	TOP WASTE PILE
253	1139475.4131	379662.5643	621.0960	TOP WASTE PILE
254	1139468.3263	379696.2769	619.9064	TOP WASTE PILE
255	1139311.6745	379628.0453	614.0854	LIMITS TIRE PILE
256	1139382.3042	379632.0683	613.6785	LIMITS TIRE PILE
257	1139411.1054	379615.6405	617.2308	LIMITS TIRE PILE
258	1139431.3149	379589.5643	616.5071	LIMITS TIRE PILE
259	1139462.0603	379621.6222	618.1846	LIMITS TIRE PILE
260	1139453.5260	379664.4779	615.0391	LIMITS TIRE PILE
261	1139388.8739	379701.0349	614.5407	LIMITS TIRE PILE
262	1139300.2878	379716.5059	614.6645	LIMITS TIRE PILE
263	1138917.2471	379729.1464	605.6342	ER.
264	1138912.6662	379572.2343	604.8631	ER.
265	1138907.5262	379419.9618	605.4818	ER.
266	1138903.1861	379316.8786	606.6493	ER.
267	1138925.0162	379316.3397	607.1743	ER.
268	1138927.8318	379400.9654	605.7498	ER.
269	1138932.1284	379580.8316	605.0798	ER.
270	1138939.7015	379699.8302	606.2709	ER.
271	1139093.4579	379480.0823	611.8065	LEG TOWER6
272	1139111.3931	379479.6176	611.5918	LEG TOWER6
273	1139113.2801	379498.1024	611.7909	LEG TOWER6
274	1139093.8922	379497.1372	611.6671	LEG TOWER6

FIELD NOTES

WITMER ROAD SITE

11/30/02		CONTROL			
		大@CP2 B.S. CP1			
FS. ③		74·27·00		254·26·57	
B.S.		00·00·00		180·00·00	
∠		74-27-00		74-26·57	
AVG ∠					
F.S.		164·26·57		344·26-54	74-26-58
B.S.		90·00·00		269·59·57	
∠		74-26-57		74-26-57	
AVG ∠					
BS. VERT			FT	M	
D		90.15.27	454.770	138.614	
2		269·45·09			
∠					
FS VERT			FT.	M	
D		89·01·06	307.180	93.629	
2		270·59·42			
∠					

KR
K-H

CLOUDY 35°

①

(1287)

WITMER ROAD SITE

11/30/92		CONTROL			
	T @ CP3	B.S. CP 2			
F.S. (T)	153·03·24	333·03·24			
B.S.	00·00·00	180·00·00			
T	153·03·24	153·03·24			
AVG T					
F.S	243·03·21	63·03·21			
B.S	90·00·00	270·00·00			
T	153·03·21	153·03·21			
AVG T					
B.S. VERT			FT.	M	
D	91·02·57		307.200	93.634	
R	268·57·36				
T					
F.S. VERT			FT.	M.	
D	89·25·48		134.470	132.427	
R	270·34·39				
T					

153·03·22.5

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CLOUDY 35° (2)

(H&T)

WITHER ROAD SITE

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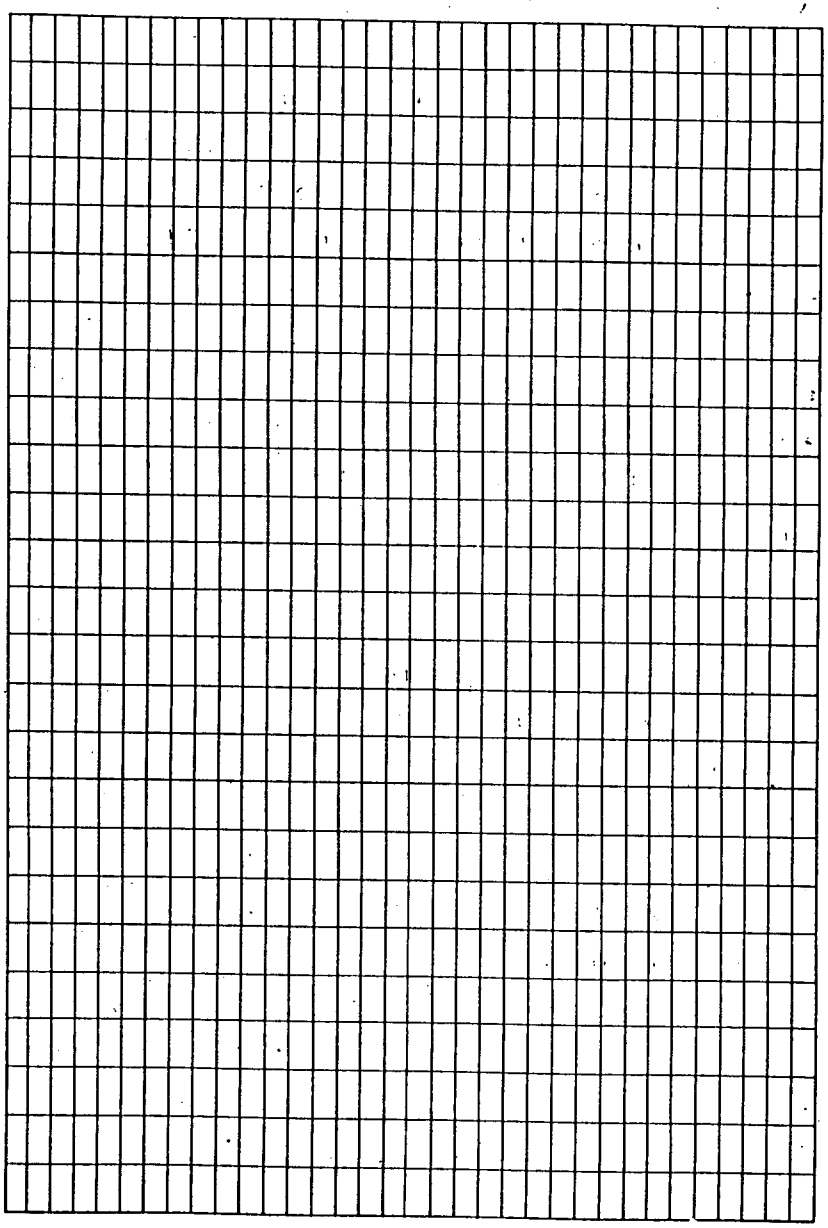
KH

CLOUDY 350

(3)

11/30/92		CONTROL			
		⊼ @ CP 4 BS. CP 3			
F.S. ⑤	170 · 31 · 24		350 · 31 · 21		
B.S.	00 · 00 · 00		179 · 59 · 57		
∢	170 · 31 · 24		170 · 31 · 24		
AVG ∢					
F.S.	260 · 31 · 24		80 · 31 · 21		
B.S.	90 · 00 · 00		270 · 00 · 00		
∢	170 · 31 · 24		170 · 31 · 21		
AVG ∢					
B.S. VERT			FT.	M	
D	90 · 35 · 06		434.485	132.431	
R	269 · 25 · 15				
∢					
F.S. VERT			FT.	M.	
D	88 · 32 · 12		178.075	54.278	
R	271 · 28 · 18				
∢					

170 · 31 · 23



WITMER ROAD SITE

11/30/92		CONTROL			
		T @ CP5	B.S. CP4		
F.S. ⑯		110·37·21	290·37·18		
B.S.		00·00·00	179 59-57		
↓		110·37·21	110-37-21		
AVG ↓					
F.S.		200·37·18	20·37·15		
B.S.		90·00·00	269·59·57		
↓		110·37·18	110-37-18		
AVG ↓					
B.S. VERT			FT.	M	
	11	91·36·18	178.080	54.279	
	12	268·24·21			
	↓				
F.S. VERT			FT.	M	
	D	91·44·15	464.500	141.580	
	P	268·16·12			
	↓				

110.37.18

KR
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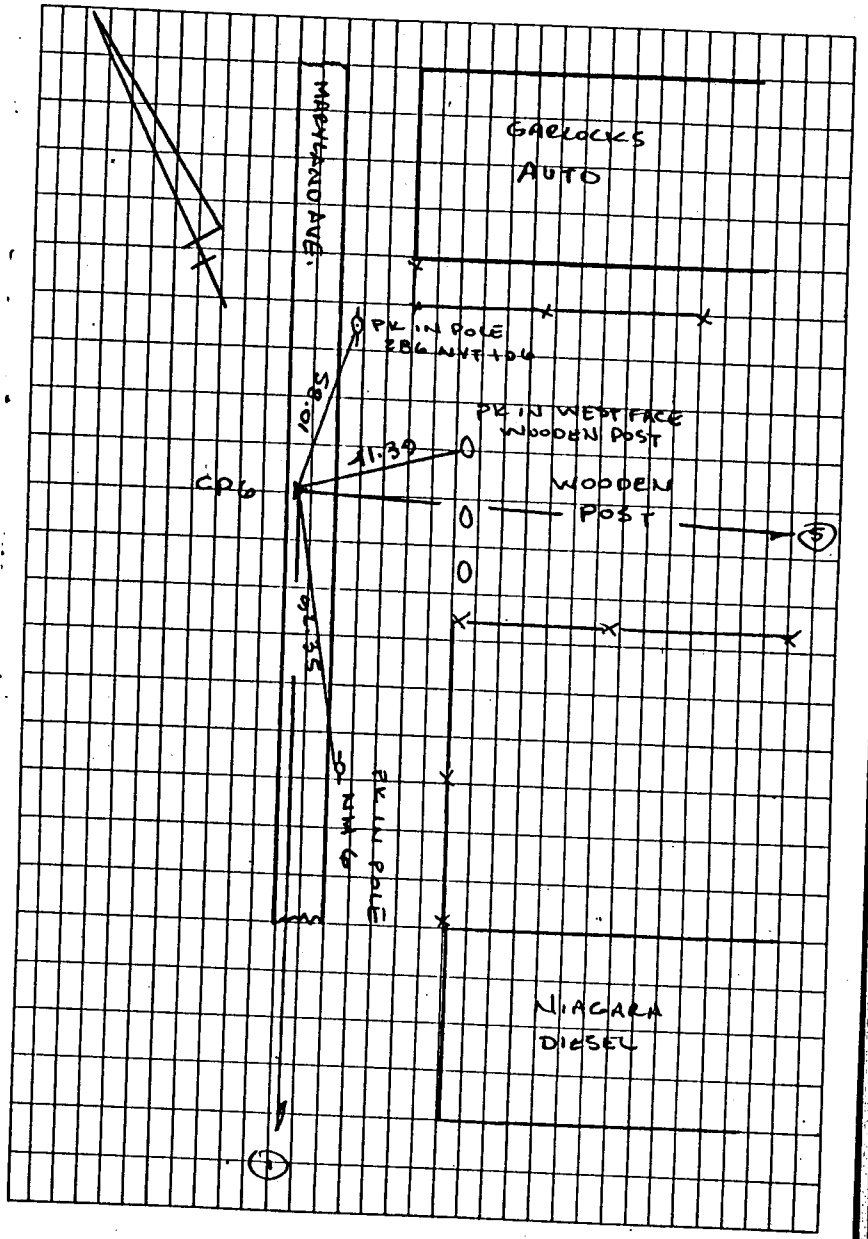
CLOUDY 35°

④



WITMER ROAD SITE

11/30/92		CONTROL			
		T e CP 6	B.S. CP 5		
FS ①		77-58-24		257-58-21	
B.S.		00-00-00		179-59-57	
∠		77-58-24		77-58-24	
AVG ∠					
FS		167-58-27		347-58-24	
B.S.		90-00-00		269-59-57	
∠		77-58-27		77-58-27	
AVG ∠					
BS VERT				FT.	M
	D	88-16-12		464.495	141.578
	R	271-44-06			
	∠				
FS VERT				FT.	M.
	D	90-11-33		666.395	203.102
	R	269-49-00			
	∠				

N 77° 58' 24" W

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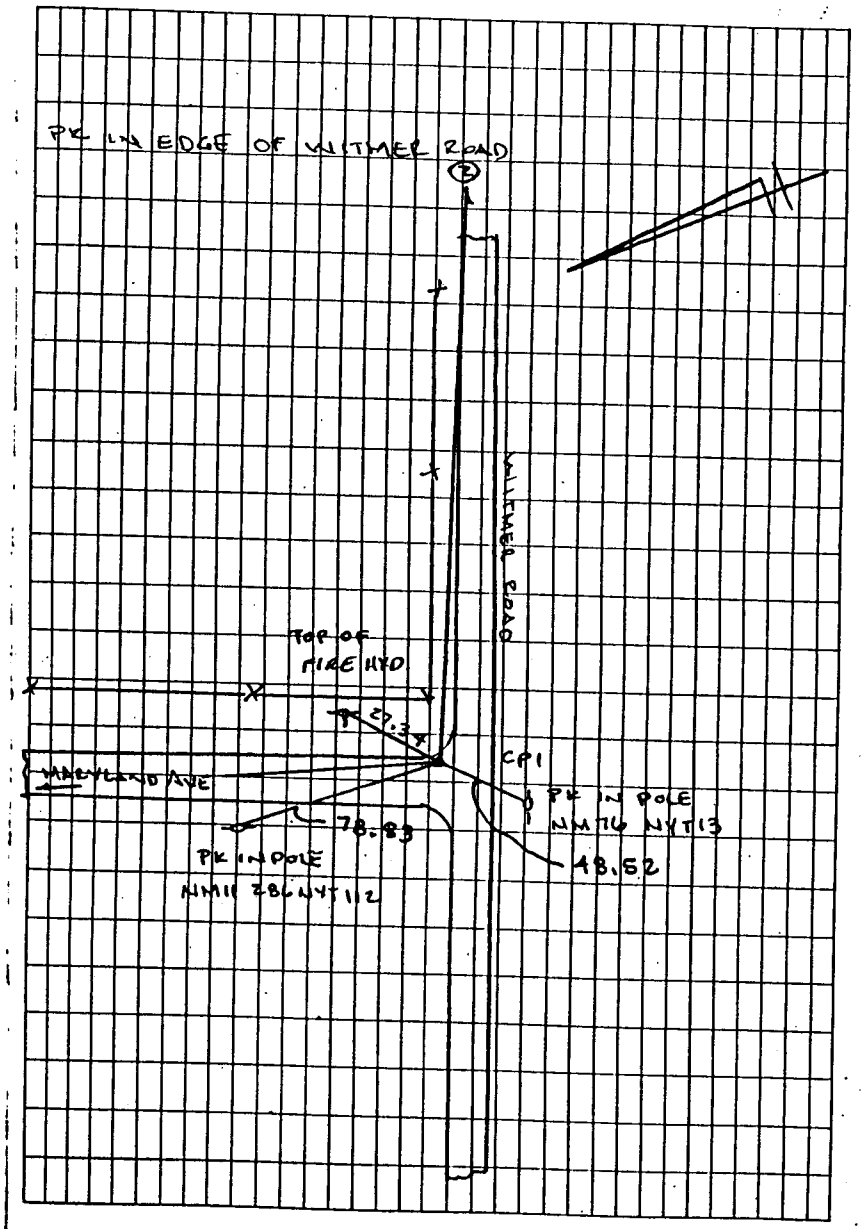
CLOUDY 350

⑤



①

WITMER ROAD SITE

11/30/92		CONTROL			
		T @ CP1	B.S. CP.6		
F.S. (E)		133-23-36	313-23-33		
B.S.		00-00-00	179-59-57		
∢		133-23-36	133-23-36		
AVG ∢					
F.S.		223-23-33	43-23-30		
B.S.		90-00-00	269-59-57		
∢		133-23-33	133-23-33		
AVG ∢					
B.S. VERT			FT.	M	
	0	89-49-06	666.345	203.102	
	R	270-11-27			
	∢				
F.S. VERT			FT.	M	
	D	89-49-18	454.775	138.616	
	R	270-11-18			
	∢				

133 23 33

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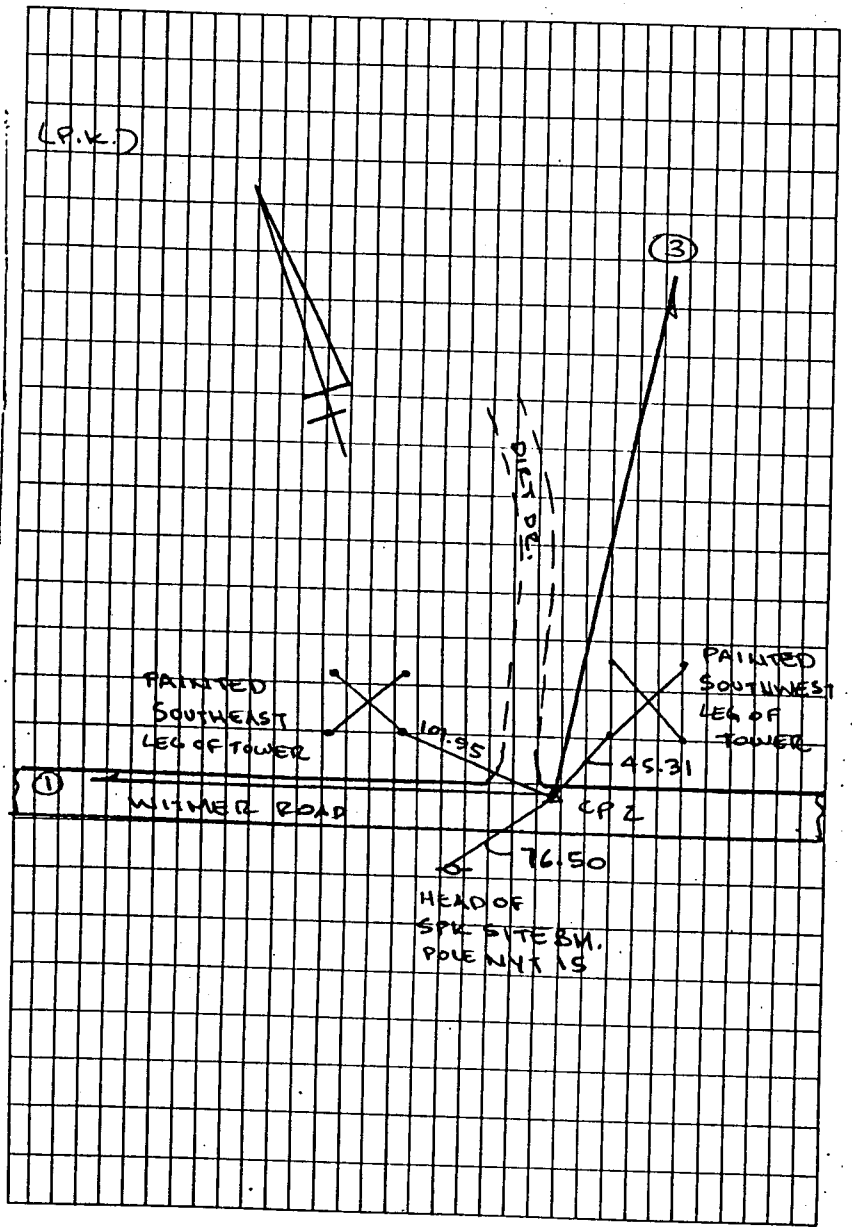
CLOUDY 35°

(6)



WITMER ROAD SITE

11/30/92		LEVELS			
					610.00
	1.56	611.56			
			5.95	605.61	
	4.32	609.93			
			5.21	604.72	
	7.37	612.09			
			1.83	610.26	
	9.08	619.34			
			4.97	614.37	
	11.33	625.70			
			6.33	619.37	
	2.93	622.30			
			17.43	604.87	
	5.63	610.50			
			7.64	602.86	
	5.89	608.75			
			2.73	606.02	
	4.32	610.34			
			0.38	609.96	610.00
				-0.04 ✓	
					✓Ben

No adj. made due to spot elev. of 610 is contour crossing Rd. From quad map.

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CLOUDY 350 ⑦

CONTOUR OF QUAD MAP.

TP

CP 2

CP 3

CP 4

CP 5

CP 6

CP 1

SITE BM R.R. SPK IN POLE NYT IS SOUTH SIDE WITMER OPPOSITE DRIVE OF SITE. (SPK IS ON NORTH SIDE 3± ABOVE GROUND)

CONTOUR OF QUAD MAP

WITHER ROAD SITE

12/1/92		LOCATIONS		
HI = 5.19	下	@ CP2	B.S. CP1	W/00.00.00
	HORIZ ∠	VERT ∠	SD	ROD
	00.00.00	90.09.12	454.82	5.72
	359.06.30	90.21.36	597.12	
	359.12.36	90.14.12	510.00	
	01.02.48	90.08.24	500.04	
	01.55.06	90.03.24	467.22	
	359.18.30	90.11.48	444.14	
	359.29.36	90.03.24	263.12	
	00.58.42	89.44.54	54.64	
	20.13.42	89.13.24	48.70	
	44.08.12	89.11.06	69.70	
	53.28.54	89.07.00	119.14	
	67.02.42	88.50.24	105.76	5.72
	47.28.48	88.36.00	33.06	
	33.48.36	89.16.18	17.16	
	90.28.24	MEASURED	2.00	
	178.05.54	89.38.54	103.76	
	178.39.12	89.38.30	237.36	
	186.38.42	89.37.12	239.96	5.72
	199.13.54	89.30.42	91.46	
	326.32.42	89.48.24	59.40	

KR
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CLOUDY 35°

(8)

DESC.
CP1
ED. RD.
" " @ ED. RD. MARYLAND WEST
ED. RD MARYLAND. WEST.
" " " EAST
" " " EAST @ ED. WITMER.
ED RD. WITMER
ED RD @ ED. DIRT DR.
ED. DIRT DR.
" " "
" " "
BREAK
ED. DIRT DR
" " "
" " "
" " @ ED. RD (WITMER)
ED. RD
" "
BREAK
ED. RD
" "
" "

WITMER ROAD SITE

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CLOUDY 32°

12/1/92		LOCATIONS			
HT = 5.19	— X	@ CP 2	BS. CP 1	W/ 00-00-00	
	HORIZ ∠	VERT ∠	SD	ROD	
	340 12 30	90-08-48	186.92	5.72	
	353-18-00	90-00-42	317.42		
	351-23-12	90 24 36	292.36		
	346-46-00	90-26 24	183.52		
	320 19 00	90-47-24	77.14		
	195-01-42	89 39-48	141.14		
	193 22-12	89-43-33	155.96		
	140-20-30	89 05 36	91.36		
	143-58-42	88 57-00	60.38		
	130-14-00	89-10-18	77.76		
	113-23 00	89-03 36	65.54		
	123-11-24	88 36-36	45.18		
	36 03 00	89 16 00	115.10	5 72	
	29 32 18	89 23-30	136.46	5 72	
	19-00-00	86 24-18	126.22	12.15	
	24 09-18	89-11-00	101.50	5.72	

DESK.
ED. RD
" "
P.P. 14 NYT
P.P. 14 1/2 NYT
P.P. SITE BM NYT 15
P.P. 16 NYT
P.P. 16 1/2 NYT
PP NM 31
LEG OF HIGH TENSION TOWER
" " " " "
" " " " "
" " " " "
BREAK
LEG OF HIGH TENSION TOWER
" " " " "
" " " " "
" " " " "

WIRES COME IN FROM SOUTH GO OUT TO THE EAST

PA SAME AS 27 ABOVE 14 FOR WIRES

WITMER ROAD SITE

KR
KH

CLOUDY 32° (10)

12/1/92		LOCATIONS			
HI = 5.05	↑ @	CP3	B.S. CP2	w/00-00-00	
	HORIZ ∠	VERT ∠	SD	ROD	
	00-00-00	90-58-36	307.19	5.72	
	21-45-12	90-53-30	163.00	↓	
	75-28-12	90-02-48	121.86	↓	
	77-00-18	89-52-12	103.34	5.72	
	61-25-42	90-17-24	101.48	↓	
	44-10-48	90-30-54	90.64	↓	
	33-24-00	90-26-06	65.12	↓	
	35-07-12	90-08-00	32.86	↓	
	122-50-48	87-40-18	26.00	↓	
	150-44-12	87-22-48	167.90	8.99	
	151-55-24	88-58-18	277.58	5.72	
	154-16-30	88-57-12	275.08	5.72	
	154-12-18	88-41-18	175.00	↓	
	150-52-36	86-51-54	23.08	↓	
	13-05-36	89-39-36	14.98	↓	
	10-47-12	90-12-00	57.14	↓	
	16-03-24	90-20-12	89.22	↓	
	06-19-54	90-50-36	180.50	↓	

DESC
CP2
ED DIRT DR
" " "
BREAK
ED DIRT DR
" " "
" " "
" " "
" " "
" " "
" " "
" " "
BREAK
ED DIRT DR
" " "
" " "
" " "
" " "
" " "
" " "

WITMER ROAD SITE

KR
KH

CLOUDY 32° (11)

12/1/92		LOCATIONS		
HI = 5.05	T @ CP3	B.S. CP2	W|00.00.00	
	Horiz ∢	VERT ∢	SD	ROD
	286.44.18	88.17.12	116.40	5.72
	275.01.42	88.20.24	119.68	↓
	271.47.12	87.57.18	97.24	
	286.01.12	87.51.12	92.26	↓
	59 51.00	88.43.30	218.44	12.19
	58.25.12	90.25.36	177.82	5.72
	71.17.30	89.09.18	175.74	8.99
	75.28.12	90.02.48	121.86	5.72
	77.00.18	89.52.12	103.34	↓
	119.13.48	87.41.36	28.66	↓
	149.39.00	87.37.00	204.52	8.99
	85.27.30	85.17.03	93.10	12.19
	95.16.24	85.38.24	65.94	8.99
	122.57.30	85.20.12	110.16	12.19

DESC.

LEG OF HIGH TENSION TOWER

" " " " "

" " " " "

" " " " "

BEG CLF

END CLF @ BEG SHEET METAL FENCE

COR SHEET METAL / C.L.F

GATE POST

" "

COR SHEET METAL / C.L.F

SHEET METAL / C.L.F P.O.T.

COR CONC. BLOCK BLDG / GARAGE

" " " " / "

" " " " / "

WITMER ROAD SITE

CLOUDY 32°

(12)

12/1/92

LOCATIONS

Hz = 4.93

	∠ @ CP 5		B.S. CP 4 w/ 00.00.00	
	HORIZ ∠	VERT ∠	SD	ROD
	00.00.00	91.20.39	178.16	5.72
	350.12.24	89.49.48	327.36	8.99
	347.04.18	89.17.30	334.26	12.19
	345.52.42	89.14.00	317.54	12.19
	345.05.18	89.13.06	310.12	12.19
	00.32.12	90.04.00	318.24	8.99
	02.11.00	90.45.48	280.84	5.72
	358.56.15	91.15.00	198.46	
	05.31.48	91.19.30	177.44	
	27.03.42	91.15.00	181.50	
	35.47.48	91.15.06	177.94	
	42.58.48	91.26.00	155.40	
	47.38.30	92.17.30	106.56	
	41.48.00	91.58.48	121.26	5.72
	53.04.30	91.33.30	169.24	
	44.45.18	91.16.54	194.34	
	34.50.48	91.04.48	199.82	
	31.09.06	90.53.48	213.02	
	29.09.12	90.35.12	290.04	

KR
KH

DESC
CP 4
LEG OF HIGH TENSION TOWER
" " " " "
" " " " "
" " " " "
MM 101
ED. DIRT RD
" " "
" " "
" " "
" " "
" " "
" " " END
BREAK
ED. DIRT RD END.
" " "
" " "
" " "
" " "
" " "
BREAK

WITMER ROAD SITE

12/1/92

LOCATIONS

HZ = 4.93

T @ CP 5 @ S. CP 4 W/ 00-00-00

	HORIZ ∠	VERT ∠	SD	ROD
	25-37-06	90-40 54	235.50	5.72
	26-12-25	90-54 30	212.54	
	24-33-00	91-04-48	194.18	
	10-15-30	91-11-30	191.96	
	04-40-54	90-14-00	203.96	8.99
	02-55-42	91-02-30	228.14	5.72
	04 38 00	90 14-30	288.46	
	05-01-36	90-56-12	227.76	
	25-37-06	90-40-54	235.50	
	29-09-12	90 35-12	240.04	
	47-50-54	90-19-36	284.90	12.19
	62-16-30	91 01-09	220.76	5.72
	68-13-48	89-16-36	257.26	15.48
	117-26-00	91-47-48	127.82	5.72
	134-09-42	88-51-00	103.94	
	172-31-00	89-52-33	136.78	
	150-13-36	83-16-18	23.40	
	293-53-12	88-22-48	58.28	
	292-30-00	89 39 54	78.82	
	294 19 38	89-38-00	91.90	
	303-01-54	88-46-12	109.86	8.99
	307-11-06	88 55-30	97.46	

ICR
KH

CLOUDY 32°

(13)

DESC.
ED DIRT OK.
" " "
" " "
" " "
" " "
" " "
" " "
COR. SHEET METAL / C.L.F.
GATE POST
" "
COR. SHEET METAL / C.L.F.
" " / "
P.OT. " / "
MW 103
WT 103
WT 104
WT 102
DS-104
SS-102
DS-101
SS-101
DS-103

WITMER ROAD SITE

KR
KH

CLOUDY 32°

(114)

12/1/92 — LOCATIONS

HT = 4.93 — ↑ @ CP 5 — B.S. CP 4 — W 00.00.00

	Horiz'l	Vert'l	SD	Rod
	309.41.24	89.00.24	109.30	5.72
	311.45.00	89.09.12	120.06	5.72
	280.46.24	88.35.42	113.24	8.99
	247.56.12	90.45.06	211.32	5.72
	243.21.12	90.28.24	150.24	↓
	244.48.06	90.33.00	128.64	
	253.52.00	89.09.12	132.92	8.99
	235.05.48	88.21.06	214.96	15.48
	245.32.00	87.50.54	184.48	15.48
	221.31.24	89.54.30	120.42	8.99
	206.39.36	90.21.18	140.56	8.99
	168.16.06	91.33.06	162.08	5.72
	161.24.36	90.39.06	160.84	8.99
	156.23.18	91.31.00	167.56	5.72
	162.15.36	89.49.30	211.00	12.19
	146.17.42	90.10.30	193.44	8.99
	166.51.54	83.45.30	6.80	5.72
	216.55.12	75.56.06	6.30	5.72

DESK
DS - 105
DS - 102
WT 101
MW 102
LEG OF HIGH TENSION TOWER
" " " " " } COULD NOT GET 4th LEG (SCALE IN)
" " " " "
POR SHEET METAL FENCE
COR. " " "
ANGLE " " "
" " " "
" " " "
" " " "
COR. " " "
POST " " "
STAKE PAINTED ORANGE ADJOINING OWNERS SONS APPROX PROP COR.
RAILROAD TIE
" "

WITMER ROAD SITE

12/1/92 — LOCATIONS

KR
KH

CLOUDY 32°

(15)

Hz = 4.03 — @ CPS — B.S. CPA — W 100.00.00

	HORIZ ∠	VERT ∠	SD	ROD
	303-28-12	89-36-48	23.54	5.72
	325-14-30	90-15-36	48.40	5.72
	36-05-54	89-14-42	83.86	8.99
	322-43-18	88-51-00	127.10	8.99
	340-40-18	89-45-30	170.08	8.99
	334-06-24	89-45-30	200.24	8.99
	320-55-48	89-39-00	171.30	8.99
	307-48-18	89-38-18	173.96	
	283-20-54	89-09-42	152.50	
	264-54-12	89-14-00	153.76	
	239-13-24	89-27-30	115.06	
	213-25-24	89-44-06	121.16	
	195-26-18	90-02-00	137.32	
	169-03-30	90-17-00	159.68	
	142-40-18	90-41-18	147.42	
	118-38-00	89-40-12	109.18	
	106-49-42	90-54-18	92.28	5.72
	119 22-30	91-18-24	20.40	5.72
	135-28-18	89-01-00	79.26	
	159-08-00	90-10-12	121.66	
	199-48-36	89-03-00	100.90	
	228 25-00	87 31-06	48.82	

DESC.

LIMIT OF WASTE PILE

G.S. ON TOP OF WASTE PILE

WITMER ROAD SITE

KR
KH

CLOUDY 32°

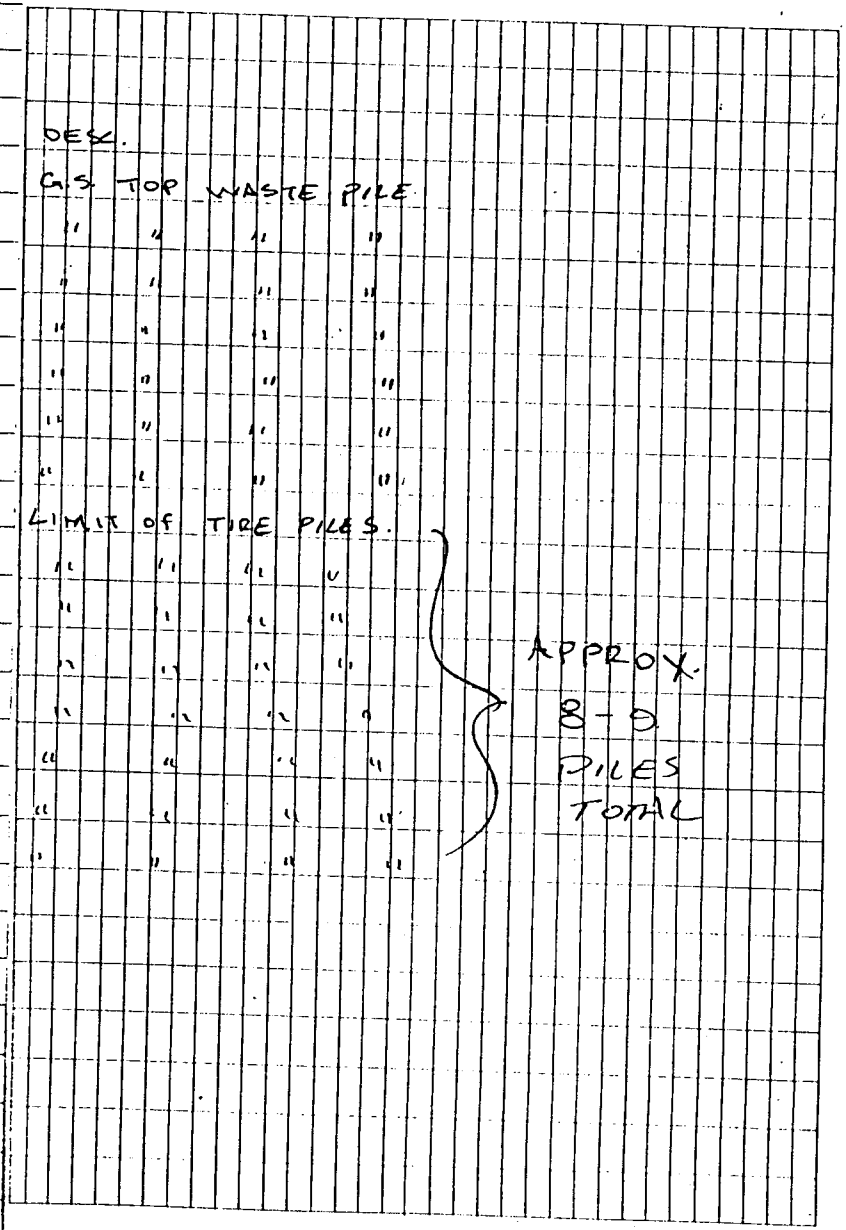
(16)

12/1/92

LOCATIONS

HI = 4.93

	T	@ CPS	BS. CPS	W100-00-00
	HORIZ'L	VERT'L	SD	ROD
	240-07-36	89-15-06	93.56	5.72
	266-58-30	88-53-42	104.18	
	274-55-42	89-50-54	130.06	
	300-21-00	89-06-00	138.36	
	315-59-12	89-49-24	159.36	
	327-34-00	89-02-48	151.22	
	337-07-00	89-33-36	172.72	
	50-43-36	92-45-00	93.68	
	02-40-18	91-11-24	78.56	8.99
	337-47-00	91-02-48	73.86	5.72
	311-32-30	89-07-00	70.36	8.99
	317-56-00	90-11-54	114.22	5.72
	334-37-00	91-28-00	138.34	5.72
	04-29-00	90-17-54	147.74	8.99
	35-09-00	91-16-24	176.20	5.72



WITMER ROAD SITE

12/2/92 — LOCATIONS

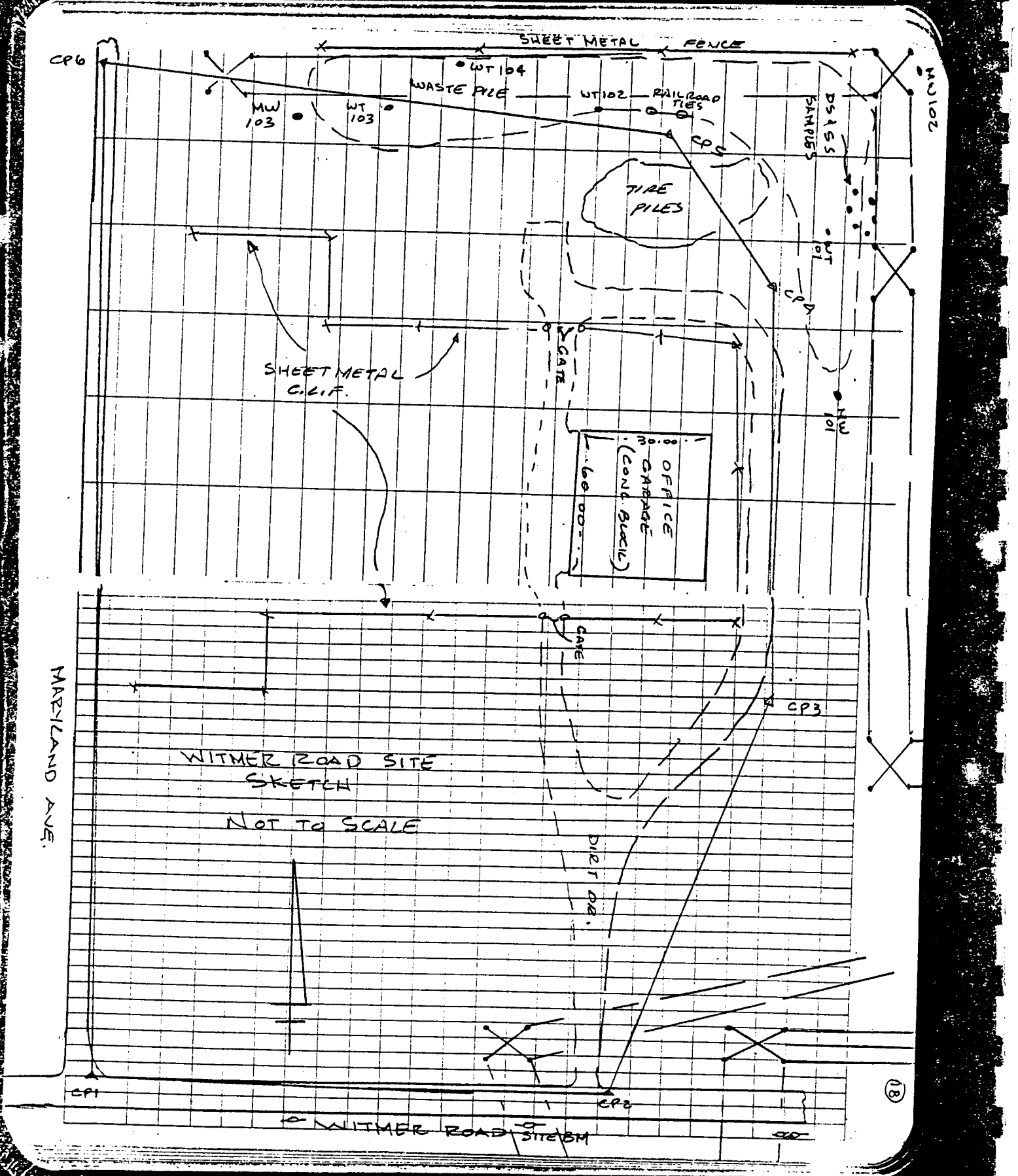
HI = 5.24 — T @ CP6 B.S. CPS 0|00.00.00

	HORIZ'A	VERT'L	SD	ROD
	00.00.00	88.09.36	464.56	5.72
	79 48.00	89.42.30	244.92	
	80.00.00	89.41.24	87.44	
	258 39.24	89.02.12	64.54	
	258.50.12	89.13.48	168.12	
	266.15.18	89.03.24	169.12	5.72
	272 58.48	89 05 24	85.62	
	68.43.00	89 35.54	98.40	
	73.39 00	89 30.12	216.98	
	349.52.36	87.40.42	183.08	
	349.52.36	87.56.48	201.00	
	355.06.36	87.54.48	203.26	
	355 32-18	87.43.54	193.86	

KZ
KW

CLOUDY 30° (17)

DESC
CPS
ED. RD.
" "
" "
" "
BREAK.
ED RD
" "
" "
" "
LEG OF HIGH TENSION TOWER
" " " " "
" " " " "
" " " " "


SHEET METAL FENCE
CP6
WT 104
WASTE PILE
MW 103
WT 103
WT 102
RAILROAD TIES
CP5
MW 102
DS 1 S S SAMPLES
TIRE PILES
WT 101
CP4
SHEET METAL C.L.F.
GATE
30.00
OFFICE
CABBAGE
(CONC. BLOCK)
60.00
MW 101
GATE
CP3
WITMER ROAD SITE SKETCH
NOT TO SCALE
DIRT RD.
MARYLAND AVE.
CP1
CP2
WITMER ROAD SITE BM
18

WITMER ROAD SITE

KR
KH

CLOUDY 32°

19

12/4/92

WELL ELEVATIONS

				606.02
8.01	614.03			
		1.86	612.17	
7.22	619.39			
		4.57	614.8	
		2.57	616.82	
		2.57	616.82	
4.62	621.44			
		5.79	615.6	
		3.59	617.85	
		3.81	617.63	
8.65	626.28			
		6.01	620.3	
		11.85	614.4	
		10.01	616.27	
		10.09	616.19	
9.78	625.97			
		6.60	619.37	619.37
				0.00 ✓

SITE BM

TP

MW 101 GRD
" CASS.
" RISER

MW 102 GRD
" CASS
" RISER

DS 103

MW 103 GRD
" CASS
" RISER

CP 5

Table 1
Laboratory Report of Analysis

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRDS101XXX92XX LAB NUMBER: 93011001 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS102XXX92XX LAB NUMBER: 93011002 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS103XXX92XX LAB NUMBER: 93011003 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS104XXX92XX LAB NUMBER: 93011004 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS105XXX92XX LAB NUMBER: 93011005 # DATE SAMPLED: 10/28/92	
Aluminum	40	1100		266		140		16.1	UE	178	E
Antimony	12	28.9	N	12.1	UN	12.0	UN	48.4	N	12.9	UNE
Arsenic	2	3.3		0.46	U	0.47	U	16.0		0.49	U
Barium	40	841	N	36.5	[]N	16.4	[]N	17.3	[]N	24.7	[]N
Beryllium	1	0.16	U	0.16	U	0.16	U	0.15	U	0.17	U
Cadmium	1	24.1	N*	1.0	UN*	1.3	N*	43.5	N*	1.1	UN*
Calcium	1000	14600		25900		560	[]	1630		320	[]
Chromium	2	916		3.7		4.5		711		2.9	E
Cobalt	10	140	N	1.3	UN	3.1	[]N	21.3	N	2.0	[]N
Copper	5	1110		6.4		9.1		6090		7.8	
Iron	20	55200	E	3240	E	3780	E	564000	E	2860	E
Lead	0.6	1350	*	12.8	*	5.9	*	132	*	4.9	*
Magnesium	1000	3740		347	[]	144	[]	324	[]	48.3	[]
Manganese	3	392	E	702	E	0.94	UE	2570	E	1.0	UE
Mercury	0.04	1.2		0.11	U	0.11	U	0.09	U	0.13	
Nickel	8	30.3	N	2.1	UN	2.1	UN	516	N	2.3	UNE
Potassium	1000	550	[]	125	[]	118	[]	2290		69.8	[]
Selenium	1	1.0	[]N	0.44	UN	0.45	UN	0.41	UNW	0.47	UN
Silver	2	0.78	U	0.77	U	21.0		0.69	U	34.8	
Sodium	1000	687	[]	92.0	[]	38.1	[]	1560		73.5	[]
Thallium	2	0.47	U	0.46	UW	0.47	U	0.43	U	0.49	U
Vanadium	10	6.3	[]	1.4	[]	1.0	U	18.8		1.1	U
Zinc	4	1530		40.1		7.2		870		33.3	
Cyanide	2	2.6	U	2.5	U	2.4	U	2.3	U	2.6	U
Percent Solids:		87		89		85		96		82	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: DRUM SAMPLE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRDS101XXX92XX LAB NUMBER: 93011001 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS102XXX92XX LAB NUMBER: 93011002 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS103XXX92XX LAB NUMBER: 93011003 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS104XXX92XX LAB NUMBER: 93011004 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS105XXX92XX LAB NUMBER: 93011005 # DATE SAMPLED: 10/28/92	
Aluminum	40	1100		266		140		16.1	UJ	178	J
Antimony	12	28.9	J	12.1	UJ	12.0	UJ	48.4	J	12.9	UJ
Arsenic	2	3.3		0.46	U	0.47	U	16.0		0.49	U
Barium	40	841	J	36.5	[]J	16.4	[]J	17.3	[]J	24.7	[]J
Beryllium	1	0.16	U	0.16	U	0.16	U	0.15	U	0.17	U
Cadmium	1	24.1	R	1.0	U	1.3	R	43.5	R	1.1	U
Calcium	1000	14600		25900		560	[]	1630		320	[]
Chromium	2	916	J	3.7	J	4.5	J	711	J	2.9	J
Cobalt	10	140	J	1.3	UJ	3.1	[]J	21.3	J	2.0	[]J
Copper	5	1110	J	6.4	J	9.1	J	6090	J	7.8	J
Iron	20	55200	J	3240	J	3780	J	564000	J	2860	J
Lead	0.6	1350	J	12.8	R	5.9	R	132	J	4.9	R
Magnesium	1000	3740		347	[]	144	[]	324	[]	48.3	[]
Manganese	3	392	J	702	J	0.94	UJ	2570	J	1.0	UJ
Mercury	0.04	1.2		0.11	U	0.11	U	0.09	U	0.13	
Nickel	8	30.3	J	2.1	UJ	2.1	UJ	516	J	2.3	UJ
Potassium	1000	550	[]R	125	[]	118	[]	2290	R	69.8	[]
Selenium	1	1.0	[]R	0.44	UR	0.45	UR	0.41	UR	0.47	UR
Silver	2	0.78	U	0.77	U	21.0		0.69	U	34.8	
Sodium	1000	687	[]	92.0	[]	38.1	[]	1560		73.5	[]
Thallium	2	0.47	U	0.46	UJ	0.47	U	0.43	U	0.49	U
Vanadium	10	6.3	[]	1.4	[]	1.0	U	18.8		1.1	U
Zinc	4	1530	J	40.1	J	7.2		870	J	33.3	J
Cyanide	2	2.6	U	2.5	U	2.4	U	2.3	U	2.6	U
Percent Solids:		87		89		85		96		82	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: DRUM SAMPLE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

Table 3
Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX		WRDS102XXX92XX		WRDS103XXX92XX		WRDS104XXX92XX		WRDS105XXX92XX	
	LAB NUMBER:	93011001 #		93011002 #		93011003 #		93011004 #		93011005 #	
	DATE SAMPLED:	10/28/92		10/28/92		10/28/92		10/28/92		10/28/92	
ANALYTE	SOW-3/90 - II CRQL										
Aluminum	40	1100		266		140		-		178	J
Antimony	12	28.9	J	-		-		48.4	J	-	
Arsenic	2	3.3		-		-		16.0		-	
Barium	40	841	J	36.5	[]J	16.4	[]J	17.3	[]J	24.7	[]J
Beryllium	1	-		-		-		-		-	
Cadmium	1		R	-			R		R	-	
Calcium	1000	14600		25900		560	[]	1630		320	[]
Chromium	2	916	J	3.7	J	4.5	J	711	J	2.9	J
Cobalt	10	14.0	J	-		3.1	[]J	21.3	J	2.0	[]J
Copper	5	1110	J	6.4	J	9.1	J	6090	J	7.8	J
Iron	20	55200	J	3240	J	3780	J	564000	J	2860	J
Lead	0.6	1350	J		R		R	132	J		R
Magnesium	1000	3740		347	[]	144	[]	324	[]	48.3	[]
Manganese	3	392	J	702	J	-		2570	J	-	
Mercury	0.04	1.2		-		-		-		0.13	
Nickel	8	30.3	J	-		-		516	J	-	
Potassium	1000		R	125	[]	118	[]		R	69.8	[]
Selenium	1		R		R		R		R		R
Silver	2	-		-		21.0		-		34.8	
Sodium	1000	687	[]	92.0	[]	38.1	[]	1560		73.5	[]
Thallium	2	-		-		-		-		-	
Vanadium	10	6.3	[]	1.4	[]	-		18.8		-	
Zinc	4	1530	J	40.1	J	7.2		870	J	33.3	J
Cyanide	2	-		-		-		-		-	
Percent Solids:		87		89		85		96		82	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: DRUM SAMPLE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	93011006	93011007
	DATE SAMPLED:	10/28/92	10/28/92
ANALYTE	RL		
Arsenic	61.7	76.3	61.7 U
Barium	2.6	1960	547
Cadmium	5	11.1	5.8
Chromium	3.9	41.9	17.9
Lead	43.4	2490	46.3
Mercury	0.2	0.3	0.23
Selenium	72.3	72.3 U	72.3 U
Silver	3.8	3.8 U	3.8 U
Associated Method Blank:		PB101XX	PB101XX
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL
Note: EPTOX ANALYSIS

Data Qualifiers: U: Not detected

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRDS101XXX92XX LAB NUMBER: 93011001 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS102XXX92XX LAB NUMBER: 93011002 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS103XXX92XX LAB NUMBER: 93011003 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS104XXX92XX LAB NUMBER: 93011004 # DATE SAMPLED: 10/28/92		SAMPLE LOCATION: WRDS105XXX92XX LAB NUMBER: 93011005 # DATE SAMPLED: 10/28/92	
Aluminum	40	1100		266		140		16.1	UJ	178	J
Antimony	12	28.9	J	12.1	UJ	12.0	UJ	48.4	J	12.9	UJ
Arsenic	2	3.3		0.46	U	0.47	U	16.0		0.49	U
Barium	40	841	J	36.5	[]J	16.4	[]J	17.3	[]J	24.7	[]J
Beryllium	1	0.16	U	0.16	U	0.16	U	0.15	U	0.17	U
Cadmium	1	24.1	R	1.0	U	1.3	R	43.5	R	1.1	U
Calcium	1000	14600		25900		560	[]	1630		320	[]
Chromium	2	916	J	3.7	J	4.5	J	711	J	2.9	J
Cobalt	10	140	J	1.3	UJ	3.1	[]J	21.3	J	2.0	[]J
Copper	5	1110	J	6.4	J	9.1	J	6090	J	7.8	J
Iron	20	55200	J	3240	J	3780	J	564000	J	2860	J
Lead	0.6	1350	J	12.8	R	5.9	R	132	J	4.9	R
Magnesium	1000	3740		347	[]	144	[]	324	[]	48.3	[]
Manganese	3	392	J	702	J	0.94	UJ	2570	J	1.0	UJ
Mercury	0.04	1.2		0.11	U	0.11	U	0.09	U	0.13	
Nickel	8	30.3	J	2.1	UJ	2.1	UJ	516	J	2.3	UJ
Potassium	1000	550	[]R	125	[]	118	[]	2290	R	69.8	[]
Selenium	1	1.0	[]R	0.44	UR	0.45	UR	0.41	UR	0.47	UR
Silver	2	0.78	U	0.77	U	21.0		0.69	U	34.8	
Sodium	1000	687	[]	92.0	[]	38.1	[]	1560		73.5	[]
Thallium	2	0.47	U	0.46	UJ	0.47	U	0.43	U	0.49	U
Vanadium	10	6.3	[]	1.4	[]	1.0	U	18.8		1.1	U
Zinc	4	1530	J	40.1	J	7.2		870	J	33.3	J
Cyanide	2	2.6	U	2.5	U	2.4	U	2.3	U	2.6	U
Percent Solids:		87		89		85		96		82	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: DRUM SAMPLE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

Table 3
Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX		WRDS102XXX92XX		WRDS103XXX92XX		WRDS104XXX92XX		WRDS105XXX92XX	
	LAB NUMBER:	93011001 #		93011002 #		93011003 #		93011004 #		93011005 #	
	DATE SAMPLED:	10/28/92		10/28/92		10/28/92		10/28/92		10/28/92	
ANALYTE	SOW-3/90 - II CRQL										
Aluminum	40	1100		266		140		-		178	J
Antimony	12	28.9	J	-		-		48.4	J	-	
Arsenic	2	3.3		-		-		16.0		-	
Barium	40	841	J	36.5	[]J	16.4	[]J	17.3	[]J	24.7	[]J
Beryllium	1	-		-		-		-		-	
Cadmium	1		R	-			R		R	-	
Calcium	1000	14600		25900		560	[]	1630		320	[]
Chromium	2	916	J	3.7	J	4.5	J	711	J	2.9	J
Cobalt	10	14.0	J	-		3.1	[]J	21.3	J	2.0	[]J
Copper	5	1110	J	6.4	J	9.1	J	6090	J	7.8	J
Iron	20	55200	J	3240	J	3780	J	564000	J	2860	J
Lead	0.6	1350	J		R		R	132	J		R
Magnesium	1000	3740		347	[]	144	[]	324	[]	48.3	[]
Manganese	3	392	J	702	J	-		2570	J	-	
Mercury	0.04	1.2		-		-		-		0.13	
Nickel	8	30.3	J	-		-		516	J	-	
Potassium	1000		R	125	[]	118	[]		R	69.8	[]
Selenium	1		R		R		R		R		R
Silver	2	-		-		21.0		-		34.8	
Sodium	1000	687	[]	92.0	[]	38.1	[]	1560		73.5	[]
Thallium	2	-		-		-		-		-	
Vanadium	10	6.3	[]	1.4	[]	-		18.8		-	
Zinc	4	1530	J	40.1	J	7.2		870	J	33.3	J
Cyanide	2	-		-		-		-		-	
Percent Solids:		87		89		85		96		82	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: DRUM SAMPLE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	93011006	93011007
	DATE SAMPLED:	10/28/92	10/28/92
ANALYTE	RL		
Arsenic	61.7	76.3	61.7 U
Barium	2.6	1960	547
Cadmium	5	11.1	5.8
Chromium	3.9	41.9	17.9
Lead	43.4	2490	46.3
Mercury	0.2	0.3	0.23
Selenium	72.3	72.3 U	72.3 U
Silver	3.8	3.8 U	3.8 U
Associated Method Blank:		PB101XX	PB101XX
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL
Note: EPTOX ANALYSIS

Data Qualifiers: U: Not detected

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	93011006	93011007
	DATE SAMPLED:	10/28/92	10/28/92
ANALYTE	RL		
Arsenic	61.7	76.3 J	61.7 U
Barium	2.6	1960	547
Cadmium	5	11.1 J	5.8 J
Chromium	3.9	41.9 J	17.9
Lead	43.4	2490	46.3 J
Mercury	0.2	0.3	0.23
Selenium	72.3	72.3 UR	72.3 UR
Silver	3.8	3.8 UJ	3.8 UJ
Associated Method Blank:		PB101XX	PB101XX
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL
Note: EPTOX ANALYSIS

Data Qualifiers: U: Not detected J: Estimated R: Unusable

Table 3
Summary Table

SAMPLE LOCATION:		WRSS101XXX92XX	WRSS102XXX92XX
LAB NUMBER:		93011006	93011007
DATE SAMPLED:		10/28/92	10/28/92
ANALYTE	RL		
Arsenic	61.7	76.3 J	-
Barium	2.6	1960	547
Cadmium	5	11.1 J	5.8 J
Chromium	3.9	41.9 J	17.9
Lead	43.4	2490	46.3 J
Mercury	0.2	0.3	0.23
Selenium	72.3	R	R
Silver	3.8	-	-
Associated Method Blank:		PB101XX	PB101XX
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL
Note: EPTOX ANALYSIS

Data Qualifiers: J: Estimated R: Unusable -: Not detected

PROJECT: NYSDEC PSA-6 Witmer Road Site

Miscellaneous Aqueous Analysis (ug/L)

02-Feb-93

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	93010102	93010101	93010103	93010104	93010105
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Arsenic	61.7	61.7 U	61.7 U	61.7 U	61.7 U	77
Barium	2.6	557	933	236	161 []	387
Cadmium	5	5 U	5 U	5 U	5 U	5 U
Chromium	3.9	165	135	160	155	517
Lead	43.4	43.4 U	43.4 U	43.4 U	43.4 U	43.4 U
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	72.3	72.3 U	62	72.3 U	72.3 U	85.9
Silver	3.8	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Associated Method Blank:		PB101XX	PB101XX	PB101XX	PB101XX	PB101XX
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE
Note: EPTOX ANALYSIS

Data Qualifiers: U: Not detected []: Less than CRQL

73

Table 2
Validation / Summary Table

ANALYTE	RL	SAMPLE LOCATION: WRWT101XXX92XD LAB NUMBER: 93010102 DATE SAMPLED: 10/27/92	WRWT101XXX92XX 93010101 10/27/92	WRWT102XXX92XX 93010103 10/27/92	WRWT103XXX92XX 93010104 10/27/92	WRWT104XXX92XX 93010105 10/27/92
Arsenic	61.7	61.7 U	61.7 U	61.7 U	61.7 U	77 J
Barium	2.6	557	933	236	161 []	387
Cadmium	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chromium	3.9	165 J	135 J	160 J	155 J	517 J
Lead	43.4	43.4 UJ	43.4 UJ	43.4 UJ	43.4 UJ	43.4 U
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	72.3	72.3 UR	62 R	72.3 UR	72.3 UR	85.9 R
Silver	3.8	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ
Associated Method Blank:		PB101XX	PB101XX	PB101XX	PB101XX	PB101XX
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE
Note: EPTOX ANALYSIS

Data Qualifiers: U: Not detected []: Less than CRQL J: Estimated R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	93010102	93010101	93010103	93010104	93010105
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Arsenic	61.7	-	-	-	-	77 J
Barium	2.6	557	933	236	161 []	387
Cadmium	5	-	-	-	-	-
Chromium	3.9	165 J	135 J	160 J	155 J	517 J
Lead	43.4	-	-	-	-	-
Mercury	0.2	-	-	-	-	-
Selenium	72.3	R	R	R	R	R
Silver	3.8	-	-	-	-	-
Associated Method Blank:		PB101XX	PB101XX	PB101XX	PB101XX	PB101XX
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE
Note: EPTOX ANALYSIS

Data Qualifiers: -: Not detected []: Less than CRQL J: Estimated R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	93011001	93011002	93011003	93011004	93011005
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
ANALYTE	RL					
Arsenic	61.7	61.7 U	61.7 U	108	61.7 U	61.7 U
Barium	2.6	702	467	604	205	347
Cadmium	5	9.1	5 U	5 U	5 U	5 U
Chromium	3.9	6.3 []	5.4 []	3.9 U	3.9 U	6.9 []
Lead	43.4	43.4 U	43.4 U	43.4 U	43.4 U	43.4 U
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.37	0.2 U
Selenium	72.3	72.3 U	72.3 U	72.3 U	72.3 U	72.3 U
Silver	3.8	3.8 U	3.8 U	26.1	3.8 U	53.9
Associated Method Blank:		PB101XX	PB101XX	PB101XX	PB101XX	PB101XX
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
Note: EPTOX ANALYSIS Data Qualifiers: U: Not detected []: Less than CRQL

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	93011001	93011002	93011003	93011004	93011005
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
ANALYTE	RL					
Arsenic	61.7	61.7 U	61.7 U	108 J	61.7 U	61.7 U
Barium	2.6	702	467	604	205	347
Cadmium	5	9.1 J	5 UJ	5 UJ	5 UJ	5 UJ
Chromium	3.9	6.3 []	5.4 []	3.9 U	3.9 U	6.9 []
Lead	43.4	43.4 UJ	43.4 UJ	43.4 UJ	43.4 UJ	43.4 UJ
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.37	0.2 U
Selenium	72.3	72.3 UR	72.3 UR	72.3 UR	72.3 UR	72.3 UR
Silver	3.8	3.8 UJ	3.8 UJ	26.1 J	3.8 UJ	53.9 J
Associated Method Blank:		PB101XX	PB101XX	PB101XX	PB101XX	PB101XX
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
Note: EPTOX ANALYSIS

Data Qualifiers: U: Not detected J: Estimated R: Unusable []: Less than CRQL

Table 3
Summary Table

ANALYTE	RL	SAMPLE LOCATION: WRDS101XXX92XX LAB NUMBER: 93011001 DATE SAMPLED: 10/28/92	WRDS102XXX92XX 93011002 10/28/92	WRDS103XXX92XX 93011003 10/28/92	WRDS104XXX92XX 93011004 10/28/92	WRDS105XXX92XX 93011005 10/28/92
Arsenic	61.7	-	-	108 J	-	-
Barium	2.6	702	467	604	205	347
Cadmium	5	9.1 J	-	-	-	-
Chromium	3.9	6.3 []	5.4 []	-	-	6.9 []
Lead	43.4	-	-	-	-	-
Mercury	0.2	-	-	-	0.37	-
Selenium	72.3	R	R	R	R	R
Silver	3.8	-	-	26.1 J	-	53.9 J
Associated Method Blank:		PB101XX	PB101XX	PB101XX	PB101XX	PB101XX
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Box Number: 7081-100
Note: EPTOX ANALYSIS

Data Qualifiers: J: Estimated R: Unusable []: Less than CRQL -: Not detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	93011006	93011007
	DATE SAMPLED:	10/28/92	10/28/92
ANALYTE	RL		
Ignitability (degree F)		>200	>200
Corrosivity (pH)		8.9	8.9
Reactivity - Cyanide	1.0	50 U	50 U
Reactivity - Sulfide	1.0	100 U	100 U
Associated Method Blank:		-	-
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL

Data Qualifiers: U: Not detected

Table 2
Validation / Summary Table

SAMPLE LOCATION:		WRSS101XXX92XX	WRSS102XXX92XX
LAB NUMBER:		93011006	93011007
DATE SAMPLED:		10/28/92	10/28/92
Ignitability (degree F)		>200	>200
Corrosivity (pH)		8.9	8.9
Reactivity - Cyanide	1.0	50 U	50 U
Reactivity - Sulfide	1.0	100 U	100 U
Associated Method Blank:		-	-
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL

Data Qualifiers: U: Not detected

Table 3
Summary Table

SAMPLE LOCATION:		WRSS101XXX92XX	WRSS102XXX92XX
LAB NUMBER:		93011006	93011007
DATE SAMPLED:		10/28/92	10/28/92
ANALYTE	RL		
Ignitability (degree F)		-	-
Corrosivity (pH)		8.9	8.9
Reactivity - Cyanide	1.0	-	-
Reactivity - Sulfide	1.0	-	-
Associated Method Blank:		-	-
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: SURFACE SOIL

Data Qualifiers: -: Not detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	93010102	93010101	93010103	93010104	93010105
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Ignitability (degree F)		NR	>200	>200	>200	>200
Corrosivity (pH)		12.4	12.4	10.9	12.45	12.5
Reactivity - Cyanide	1.0	NR	50 U	50 U	50 U	50 U
Reactivity - Sulfide	1.0	NR	100 U	100 U	100 U	100 U
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE

Data Qualifiers: U: Not detected NR: Not requested

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	93010102	93010101	93010103	93010104	93010105
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	RL					
Ignitability (degree F)		NR	>200	>200	>200	>200
Corrosivity (pH)		12.4	12.4	10.9	12.45	12.5
Reactivity - Cyanide	1.0	NR	50 U	50 U	50 U	50 U
Reactivity - Sulfide	1.0	NR	100 U	100 U	100 U	100 U
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE

Data Qualifiers: U: Not detected NR: Not requested

Table 3
Summary Table

SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
LAB NUMBER:	93010102	93010101	93010103	93010104	93010105
DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE RL					
Ignitability (degree F)	NR	-	-	-	-
Corrosivity (pH)	12.4	12.4	10.9	12.45	12.5
Reactivity - Cyanide 1.0	NR	-	-	-	-
Reactivity - Sulfide 1.0	NR	-	-	-	-
Associated Method Blank:	-	-	-	-	-
Associated Equipment Blank:	-	-	-	-	-
Associated Field Blank:	-	-	-	-	-

Site: WASTE PILE

Data Qualifiers: -: Not detected NR: Not requested

Table 1
Laboratory Report of Analysis

		SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
		LAB NUMBER:	93011001	93011002	93011003	93011004	93011005
		DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
ANALYTE	RL						
Ignitability (degree F)			>200	>200	>200	>200	>200
Corrosivity (pH)			6.50	5.80	8.10	8.5	7.4
Reactivity - Cyanide	1.0		50 U	50 U	50 U	50 U	50 U
Reactivity - Sulfide	1.0		100 U	100 U	100 U	100 U	100 U
Associated Method Blank:			-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-
Associated Field Blank:			-	-	-	-	-

Site: DRUM SAMPLE

Data Qualifiers: U: Not detected

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	93011001	93011002	93011003	93011004	93011005
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
ANALYTE	RL					
Ignitability (degree F)		>200	>200	>200	>200	>200
Corrosivity (pH)		6.50	5.80	8.10	8.5	7.4
Reactivity - Cyanide	1.0	50 U	50 U	50 U	50 U	50 U
Reactivity - Sulfide	1.0	100 U	100 U	100 U	100 U	100 U
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE

Data Qualifiers: U: Not detected

PROJECT: NYSDEC PSA-6 Witmer Road Site

Miscellaneous Soil Analysis

02-Feb-93

Table 3
Summary Table

SAMPLE LOCATION:		WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
LAB NUMBER:		93011001	93011002	93011003	93011004	93011005
DATE SAMPLED:		10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
ANALYTE	RL					
Ignitability (degree F)		-	-	-	-	-
Corrosivity (pH)		6.50	5.80	8.10	8.5	7.4
Reactivity - Cyanide	1.0	-	-	-	-	-
Reactivity - Sulfide	1.0	-	-	-	-	-
Associated Method Blank:		-	-	-	-	-
Associated Equipment Blank:		-	-	-	-	-
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE

Data Qualifiers: -: Not detected NR: Not requested

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR WITMER ROAD, INC.; FILE: 7081-102
AQUEOUS (ug/L)

VOLATILE

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

WRMW101X1892XX
WRMW101X1892XD
WRMW102X2492XX
WRQS101XXX92XX
WRMW103X2592XX
WRQS002XXX92XX
WRQT002XXX92XX

SEMIVOLATILE

	WRMW101X1892XX	WRMW101X1892XD	WRMW102X2492XX	WRMW103X2592XX
Unknown Alcohol	4 J			
Unknown Cyclohexane	4 J			
Unknown Alkane	5 J(2)	12 J(3)		3 J
Unknown Phthalate		12 J(3)	9 (J)	3 J
1,2-Propanediol		2 J		
Hexadecanoic Acid				4 J
Unknown Carboxcylic Acid				3 J

	WRQS002XXX92XX
Unknown Phthalate	2 J

NO SEMIVOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

WRQS101XXX92XX

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR WITMER ROAD, INC.; FILE: 7081-101
SOIL (ug/kg)

VOLATILE

	WRDS101XXX92XX	WRSS102XXX92XX
Unknown Cycloalkane	24000 J	20 J
Unknown Alkylated Benzene	54000 J	
Unknown Alkene		14 J

NO VOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

WRWT101XXX92XD	WRDS102XXX92XXRE
WRWT101XXX92XX	WRDS103XXX92XX
WRWT102XXX92XX	WRDS104XXX92XX
WRWT102XXX92XXRE	WRDS105XXX92XX
WRWT103XXX92XX	WRSS101XXX92XX
WRWT104XXX92XX	WRDS102XXX92XX

SEMIVOLATILE

	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX
Unknown Ketone	960 J	460 J		
Unknown Carboxylic Acid	780 J			
Unknown PAH		230 J		
1-Phenyl-Ethanone			270 J	
4-(1,1-Dimethylethyl)-Phenol			320 J	
Unknown Alkane			2600 J(9)	
Heptadecane			170 J	
Unknown DDD				350 J

	WRDS103XXX92XX	WRDS104XXX92XX
3-Penten-3-OL	98 JN	
Unknown Alcohol	83 J	
Unknown Phthalate	780 J	
Unknown Alkane	300 J(2)	11000 J
Dioctyl Ester Hexanedioic Acid	83 JN	
Butyl Benzene		430 J
1-Phenyl-Ethanone		670 J
Undecane		480 J
Nonanal		400 J
Unknown Alkyl-Benzene		470 J
4-Hydroxy-Benzaldehyde		450 J
2,6,10,14-Tetramethyl-Pentadecane		3100 J

TENTATIVELY IDENTIFIED COMPOUND (TIC) SUMMARY
FOR WITMER ROAD, INC.; FILE: 7081-101
SOIL (ug/kg)

SEMIVOLATILE cont.

	WRWT104XXX92XX	WRDS101XXX92XX	WRDS102XXX92XX
Unknown Alkane	160 J	2000000 J(2)	
Unknown Ethyl-Methyl Benzene		3200000 J	
Unknown Trimethyl Benzene		6100000 J(2)	
Unknown Alkyl Benzene		19000000 J(7)	
Decane		2300000 JN	
Unknown Methyl-Propyl-Benzene		2100000 J	
Unknown Alkanoic Acid		670000 J	59000 J(6)
Butanoic Acid			5500 JN
Octanoic Acid			19000 JN
Decanoic Acid			4600 JN
Undecanoic Acid			1600 JN
Dodecanoic Acid			3800 JN
Tridecanoic Acid			11000 JN
Docosane			2300 JN
2,6,10,15-Tetramethyl-Heptadecane			1200 JN

	WRSS101XXX92XX	WRSS102XXX92XX
Unknown Phthalate	800 J	970 J
2,2,4,5-Tetrachloro-1,1-Biphenyl	510 JN	
Hexadecanoic Acid	600 J	
Unknown Aldehyde	220 J	
Pentachloro-1,1-Biphenyl	1200 JN	
Hexachloro-1,1-Biphenyl	1800 JN(2)	
Unknown DDT	1100 J	
Unknown Alkane	980 J	2400 J(2)
Unknown Carboxylic Acid		440 J
O,P-DDT		3000 JN(2)

NO SEMIVOLATILE TICs WERE IDENTIFIED IN THE FOLLOWING SAMPLES:

WRDS105XXX92XX WRWT103XXX92XXRE

Data Qualifiers: J: Estimated N: Presumptive evidence A: Aldol-condensation product

SECTION 5.0

SURVEY CONTROL REPORT

New York State Department of Environmental Conservation

SUPERFUND STANDBY CONTRACT
Task Order Memorandum 'C'

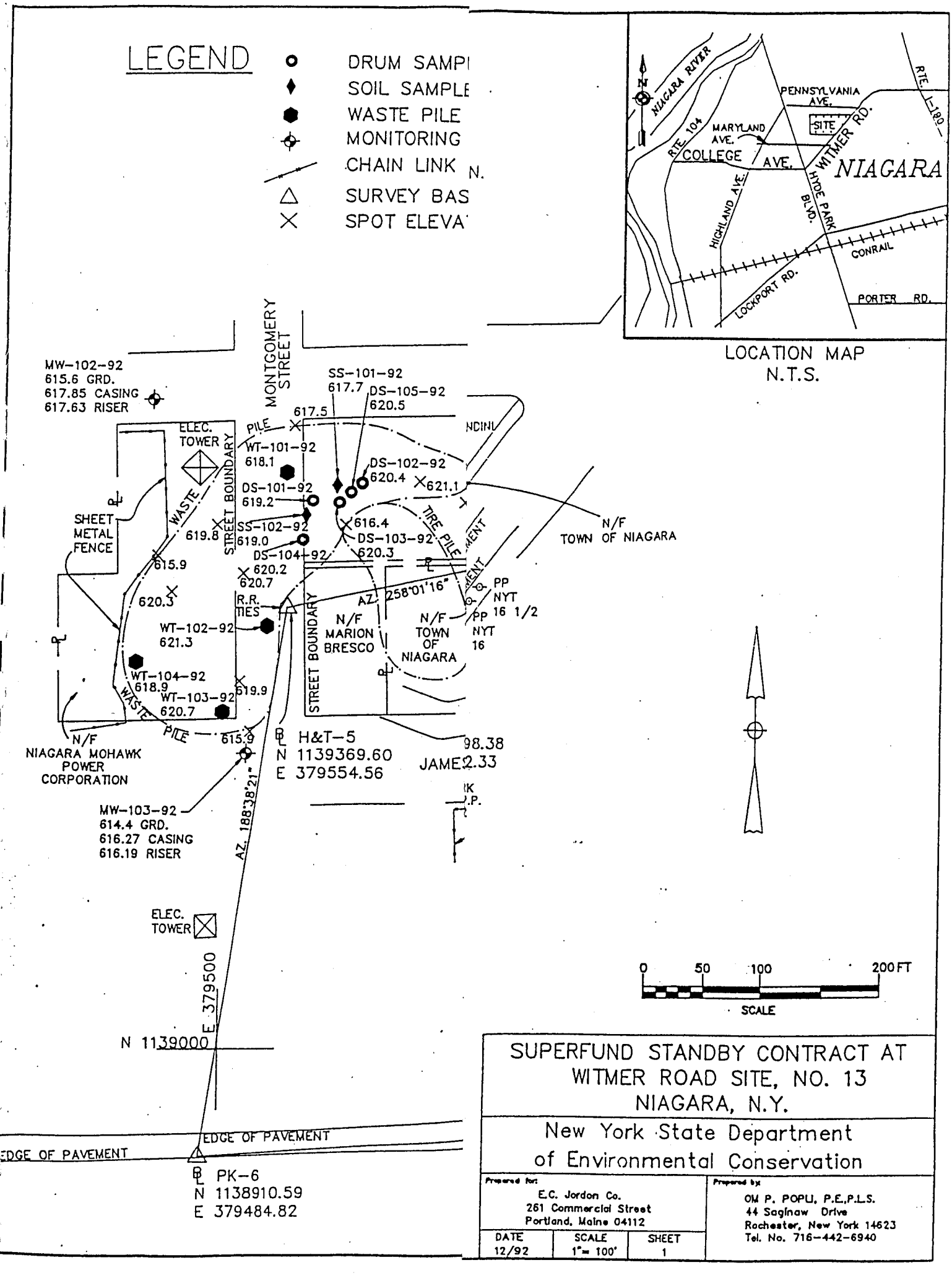
PRELIMINARY SITE ASSESSMENT NO. 6

WITMER ROAD SITE

CONTROL REPORT

DECEMBER 1992

TOM P. POPLI, P.E.
Consulting Engineers & Land Surveyors
44 Saginaw Drive
Rochester, NY 14623
(716) 442-6940



SUPERFUND STANDBY CONTRACT AT WITMER ROAD SITE, NO. 13 NIAGARA, N.Y.

New York State Department of Environmental Conservation

Prepared for:
E.C. Jordon Co.
261 Commercial Street
Portland, Maine 04112

DATE	SCALE	SHEET
12/92	1"= 100'	1

Prepared by
OM P. POPLI, P.E.,P.L.S.
44 Saginaw Drive
Rochester, New York 14623
Tel. No. 716-442-6940

INTRODUCTION

I. INTRODUCTION

The purpose of the survey described herein was to establish the necessary horizontal and vertical locations to provide a map of the site. The work described completes Tasks 3 and 4 of the scope of services for Task Order Memorandum C, Preliminary Site Assessment 6.

The work to satisfy Task Order Memorandum C was completed in November 1992 by Om P. Popli, P. E., L.S., P.C. by Mr. Kevin Ryan, Party Chief.

SCOPE OF SERVICES

TASK ORDER MEMORANDUM C

SURVEYING AND MAPPING FOR
PRELIMINARY SITE ASSESSMENT NO. 6.1
14 SITES

The services to be provided under Task Order Memorandum C shall be performed in accordance with the terms and conditions of the Task Order Agreement between OM POPLI Associates Incorporated (POPLI) and E.C. Jordan Co. (JORDAN) dated May 5, 1991.

PROJECT SUMMARY

JORDAN under contract to the New York State Department of Environmental Conservation (NYSDEC) is performing Preliminary Site Assessments (PSA) of 14 suspected inactive hazardous waste sites in the State of New York. The purpose of the investigation is to confirm or deny the presence of hazardous waste disposal on-site and determine if a significant threat exists to public health and the environment. Task 1 activities include a data and records search and a site walkover. Task 2 involves the preparation of Work Plans for additional site investigations. Tasks 3 and 4 include initial environmental sampling and subsurface investigations, respectively.

Task 1 activities for the work assignment have been completed and JORDAN is developing the Task A Project Management Work Plan. As part of Tasks 3 and 4 the services of a licensed land surveyor are required to map each site, and locate sampling locations, and other key locations as identified by JORDAN.

SCOPE OF SERVICES

POPLI shall provide all necessary personnel, equipment, and materials to perform the following Scope of Services in accordance with the Standard Specification described in Attachment A and the Survey Services Rate Schedule provided as Attachment C.

POPLI will provide a map showing locations and elevations for each boring, monitoring well, sampling location, and other key points as determined by JORDAN for the following sites:

	SITE NAME	TOWN	COUNTY
1.	Tifft and Hopkins	Buffalo	Erie
2.	SKW Alloy	Niagara	Niagara
3.	Great Lakes Carbon	Niagara Falls	Niagara
4.	Guterl Specialty Steel Corp.	Lockport	Niagara
5.	GCL Tie & Treating	Sidney	Delaware
6.	Oughterson Site	Veteran	Chemung
7.	Dresser Industries	Depew	Erie
8.	Stocks Pond	Depew	Erie
9.	Central Auto Wrecking	Lackawanna	Erie
10.	Clinton-Bailey	Buffalo	Erie
11.	LSB Warehouse	Hamburg	Erie
12.	Sleepy Hollow Campground	Newstead	Erie
13.	Witmer Road Site	Niagara	Niagara
14.	Stauffer Chemical Co.	Lewiston	Niagara

The location map and site sketch for each site is given in Attachment B. For each site POPLI will provide all necessary personnel, equipment, and material to perform the following services in the described manner during the conduct of the survey work:

1. Prepare a map showing property and site boundaries, developed through the use of current tax maps. The name of current property owners are to be shown on the map. In addition the map shall contain north arrow, scale, a legend that shows designations (wells, borings, sample locations, etc.) and a title block containing the official site name and site number.

2. Locate and indicate specific features of the site, such as the location and extent of filled areas, buried tanks, waste piles, buildings, etc. as determined by JORDAN on the map.

3. Establish vertical control at all monitoring wells, borings, sample locations, and corners of buildings as determined by JORDAN and indicate on map.

4. Establish horizontal control at all monitoring wells, borings, sample locations, corners of buildings, and other points as determined by JORDAN and indicate on map.

5. Mobilize and demobilize all necessary survey equipment and personnel to complete the horizontal location and vertical elevation survey within the project schedule.

6. Establish appropriate horizontal and vertical control at the site (i.e., locating existing benchmarks, etc. Refer to the specification, Attachment A for appropriate control).

PROJECT: NYSDEC PSA-6 Witmer Road Site

Volatile Organic Aqueous Analysis (ug/L)

02/02/93

Table 3
Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRMW101X1892XD LAB NUMBER: 930185-2 # DATE SAMPLED: 11/16/92 DATE ANALYZED: 11/19/92	WRMW101X1892XX 930185-1 # 11/16/92 11/19/92	WRMW102X2492XX 930185-3 # 11/16/92 11/19/92	WRMW103X2592XX 930185-4 # 11/16/92 11/19/92
Chloromethane	10	-	-	-	-
Bromomethane	10	-	-	-	-
Vinyl Chloride	10	-	-	-	-
Chloroethane	10	-	-	-	-
Methylene Chloride	10	-	-	-	-
Acetone	10	-	-	-	-
Carbon Disulfide	10	-	-	-	2 JJ
1,1-Dichloroethene	10	-	-	-	-
1,1-Dichloroethane	10	-	-	-	-
1,2-Dichloroethene (total)	10	-	-	-	-
Chloroform	10	-	-	-	-
1,2-Dichloroethane	10	-	-	-	-
2-Butanone	10	-	-	-	-
1,1,1-Trichloroethane	10	-	-	-	-
Carbon Tetrachloride	10	-	-	-	-
Bromodichloromethane	10	-	-	-	-
1,2-Dichloropropane	10	-	-	-	-
cis-1,3-Dichloropropene	10	-	-	-	-
Trichloroethene	10	-	-	-	1 JJ
Dibromochloromethane	10	-	-	-	-
1,1,2-Trichloroethane	10	-	-	-	-
Benzene	10	-	-	-	-
trans-1,3-Dichloropropene	10	-	-	-	-
Bromoform	10	-	-	-	-
4-Methyl-2-Pentanone	10	-	-	-	-
2-Hexanone	10	-	-	-	-
Tetrachloroethene	10	-	-	75	-
1,1,2,2-Tetrachloroethane	10	-	-	-	-
Toluene	10	-	-	-	-
Chlorobenzene	10	-	-	-	-
Ethylbenzene	10	-	-	-	-
Styrene	10	-	-	-	-
Total Xylenes	10	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		F4830	F4830	F4830	F4830
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		WRQT002XXX92XX	WRQT002XXX92XX	WRQT002XXX92XX	WRQT002XXX92XX

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRQS002XXX92XX	WRQS101XXX92XX
	LAB NUMBER:	930185-5	930101-6
	DATE SAMPLED:	11/16/92	10/27/92
	DATE ANALYZED:	11/19/92	10/29/92

ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	10	10 U	10 U
Bromomethane	10	10 U	10 U
Vinyl Chloride	10	10 U	10 U
Chloroethane	10	10 U	10 U
Methylene Chloride	10	4 BJ	3 BJ
Acetone	10	10 U	10 U
Carbon Disulfide	10	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U
Chloroform	10	4 J	2 J
1,2-Dichloroethane	10	10 U	10 U
2-Butanone	10	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U
Bromodichloromethane	10	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U
Trichloroethene	10	10 U	10 U
Dibromochloromethane	10	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U
Benzene	10	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U
Bromoform	10	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U
2-Hexanone	10	10 U	10 U
Tetrachloroethene	10	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U
Toluene	10	10 U	10 U
Chlorobenzene	10	10 U	10 U
Ethylbenzene	10	10 U	10 U
Styrene	10	10 U	10 U
Total Xylenes	10	10 U	10 U
Dilution Factor:		1.00	1.00

Associated Method Blank:	F4830	E6174
Associated Equipment Blank:	-	-
Associated Field Blank:	-	-
Associated Trip Blank:	-	-

Site: EQUIPMENT RINSATE
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable
J: Estimated B: Blank contamination D: Diluted result -: Not detected

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION: WRQT002XXX92XX
LAB NUMBER: 930185-6
DATE SAMPLED: 11/16/92
DATE ANALYZED: 11/19/92

ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	10	10	U
Bromomethane	10	10	U
Vinyl Chloride	10	10	U
Chloroethane	10	10	U
Methylene Chloride	10	4	BJ
Acetone	10	10	U
Carbon Disulfide	10	10	U
1,1-Dichloroethene	10	10	U
1,1-Dichloroethane	10	10	U
1,2-Dichloroethene (total)	10	10	U
Chloroform	10	10	U
1,2-Dichloroethane	10	10	U
2-Butanone	10	10	U
1,1,1-Trichloroethane	10	10	U
Carbon Tetrachloride	10	10	U
Bromodichloromethane	10	10	U
1,2-Dichloropropane	10	10	U
cis-1,3-Dichloropropene	10	10	U
Trichloroethene	10	10	U
Dibromochloromethane	10	10	U
1,1,2-Trichloroethane	10	10	U
Benzene	10	10	U
trans-1,3-Dichloropropene	10	10	U
Bromoform	10	10	U
4-Methyl-2-Pentanone	10	10	U
2-Hexanone	10	10	U
Tetrachloroethene	10	10	U
1,1,2,2-Tetrachloroethane	10	10	U
Toluene	10	10	U
Chlorobenzene	10	10	U
Ethylbenzene	10	10	U
Styrene	10	10	U
Total Xylenes	10	10	U
Dilution Factor:		1.00	

Associated Method Blank: F4830
Associated Equipment Blank: -
Associated Field Blank: -
Associated Trip Blank: -

Site: TRIP BLANK
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable
J: Estimated B: Blank contamination D: Diluted result -: Not detected

5

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION:		WRSS101XXX92XX	WRSS102XXX92XX
LAB NUMBER:		930110-6 #	930110-7 #
DATE SAMPLED:		10/28/92	10/28/92
DATE ANALYZED:		11/02/92	11/02/92
ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	10	16 U	18 U
Bromomethane	10	16 U	18 U
Vinyl Chloride	10	16 U	18 U
Chloroethane	10	16 U	18 U
Methylene Chloride	10	6 BJ	4 BJ
Acetone	10	13 BJ	32 B
Carbon Disulfide	10	16 U	18 U
1,1-Dichloroethene	10	16 U	18 U
1,1-Dichloroethane	10	16 U	18 U
1,2-Dichloroethene (total)	10	16 U	18 U
Chloroform	10	16 U	18 U
1,2-Dichloroethane	10	16 U	18 U
2-Butanone	10	16 U	18 U
1,1,1-Trichloroethane	10	6 J	7 J
Carbon Tetrachloride	10	16 U	18 U
Bromodichloromethane	10	16 U	18 U
1,2-Dichloropropane	10	16 U	18 U
cis-1,3-Dichloropropene	10	16 U	18 U
Trichloroethene	10	16 U	18 U
Dibromochloromethane	10	16 U	18 U
1,1,2-Trichloroethane	10	16 U	18 U
Benzene	10	16 U	18 U
trans-1,3-Dichloropropene	10	16 U	18 U
Bromoform	10	16 U	18 U
4-Methyl-2-Pentanone	10	16 U	18 U
2-Hexanone	10	16 U	18 U
Tetrachloroethene	10	16 U	18 U
1,1,2,2-Tetrachloroethane	10	16 U	18 U
Toluene	10	16 U	3 J
Chlorobenzene	10	16 U	18 U
Ethylbenzene	10	16 U	18 U
Styrene	10	16 U	18 U
Total Xylenes	10	16 U	18 U
Dilution Factor:		1.00	1.00
Percent Solids:		64	56
Associated Method Blank:		E6174	E6174
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-
Associated Trip Blank:		-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-7 #
	DATE SAMPLED:	10/28/92	10/28/92
	DATE ANALYZED:	11/02/92	11/02/92
ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	10	16 U	18 U
Bromomethane	10	16 U	18 U
Vinyl Chloride	10	16 U	18 U
Chloroethane	10	16 U	18 U
Methylene Chloride	10	16 U	18 U
Acetone	10	16 UJ	32 UJ
Carbon Disulfide	10	16 U	18 U
1,1-Dichloroethene	10	16 U	18 U
1,1-Dichloroethane	10	16 U	18 U
1,2-Dichloroethene (total)	10	16 U	18 U
Chloroform	10	16 U	18 U
1,2-Dichloroethane	10	16 U	18 U
2-Butanone	10	16 UJ	18 UJ
1,1,1-Trichloroethane	10	6 JJ	7 JJ
Carbon Tetrachloride	10	16 U	18 U
Bromodichloromethane	10	16 U	18 U
1,2-Dichloropropane	10	16 U	18 U
cis-1,3-Dichloropropene	10	16 U	18 U
Trichloroethene	10	16 U	18 U
Dibromochloromethane	10	16 U	18 U
1,1,2-Trichloroethane	10	16 U	18 U
Benzene	10	16 U	18 U
trans-1,3-Dichloropropene	10	16 U	18 U
Bromoform	10	16 U	18 U
4-Methyl-2-Pentanone	10	16 U	18 U
2-Hexanone	10	16 U	18 U
Tetrachloroethene	10	16 U	18 U
1,1,2,2-Tetrachloroethane	10	16 U	18 U
Toluene	10	16 U	3 JJ
Chlorobenzene	10	16 U	18 U
Ethylbenzene	10	16 U	18 U
Styrene	10	16 U	18 U
Total Xylenes	10	16 U	18 U
Dilution Factor:		1.00	1.00
Percent Solids:		64	56
Associated Method Blank:		E6174	E6174
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-
Associated Trip Blank:		-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-7 #
	DATE SAMPLED:	10/28/92	10/28/92
	DATE ANALYZED:	11/02/92	11/02/92
ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	10	-	-
Bromomethane	10	-	-
Vinyl Chloride	10	-	-
Chloroethane	10	-	-
Methylene Chloride	10	-	-
Acetone	10	-	-
Carbon Disulfide	10	-	-
1,1-Dichloroethene	10	-	-
1,1-Dichloroethane	10	-	-
1,2-Dichloroethene (total)	10	-	-
Chloroform	10	-	-
1,2-Dichloroethane	10	-	-
2-Butanone	10	-	-
1,1,1-Trichloroethane	10	6 JJ	7 JJ
Carbon Tetrachloride	10	-	-
Bromodichloromethane	10	-	-
1,2-Dichloropropane	10	-	-
cis-1,3-Dichloropropene	10	-	-
Trichloroethene	10	-	-
Dibromochloromethane	10	-	-
1,1,2-Trichloroethane	10	-	-
Benzene	10	-	-
trans-1,3-Dichloropropene	10	-	-
Bromoform	10	-	-
4-Methyl-2-Pentanone	10	-	-
2-Hexanone	10	-	-
Tetrachloroethene	10	-	-
1,1,2,2-Tetrachloroethane	10	-	-
Toluene	10	-	3 JJ
Chlorobenzene	10	-	-
Ethylbenzene	10	-	-
Styrene	10	-	-
Total Xylenes	10	-	-
Dilution Factor:		1.00	1.00
Percent Solids:		64	56
Associated Method Blank:		E6174	E6174
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-
Associated Trip Blank:		-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

PROJECT: NYSDEC PSA-6 Witmer Road Site

Volatile Organic Soil Analysis (ug/kg)

02/02/93

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	930101-2 #	930101-1 #	930101-3 #	930101-3 R #	930101-4 #	930101-5 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE ANALYZED:	10/29/92	10/29/92	10/29/92	10/29/92	10/29/92	10/29/92
ANALYTE	SOW-3/90 - II CRQL						
Chloromethane	10	20 U	21 U	14 U	14 U	21 U	22 U
Bromomethane	10	20 U	21 U	14 U	14 U	21 U	22 U
Vinyl Chloride	10	20 U	21 U	14 U	14 U	21 U	22 U
Chloroethane	10	20 U	21 U	14 U	14 U	21 U	22 U
Methylene Chloride	10	8 BJ	12 BJ	7 BJ	5 BJ	10 BJ	10 BJ
Acetone	10	31 B	56 B	14 U	14 U	38 B	28 B
Carbon Disulfide	10	20 U	21 U	14 U	14 U	21 U	22 U
1,1-Dichloroethene	10	20 U	21 U	14 U	14 U	21 U	22 U
1,1-Dichloroethane	10	20 U	21 U	14 U	14 U	21 U	22 U
1,2-Dichloroethene (total)	10	20 U	21 U	14 U	14 U	21 U	22 U
Chloroform	10	3 J	3 J	14 U	14 U	9 J	28
1,2-Dichloroethane	10	20 U	21 U	14 U	14 U	21 U	22 U
2-Butanone	10	20 U	21 U	14 U	14 U	21 U	22 U
1,1,1-Trichloroethane	10	3 BJ	4 BJ	14 U	14 U	21 U	3 BJ
Carbon Tetrachloride	10	10 J	9 J	14 U	14 U	6 J	31
Bromodichloromethane	10	20 U	21 U	14 U	14 U	21 U	22 U
1,2-Dichloropropane	10	20 U	21 U	14 U	14 U	21 U	22 U
cis-1,3-Dichloropropene	10	20 U	21 U	14 U	14 U	21 U	22 U
Trichloroethene	10	20 U	4 J	14 U	14 U	21 U	22 U
Dibromochloromethane	10	20 U	21 U	14 U	14 U	21 U	22 U
1,1,2-Trichloroethane	10	20 U	21 U	14 U	14 U	21 U	22 U
Benzene	10	20 U	21 U	14 U	14 U	21 U	22 U
trans-1,3-Dichloropropene	10	20 U	21 U	14 U	14 U	21 U	22 U
Bromoform	10	20 U	21 U	14 U	14 U	21 U	22 U
4-Methyl-2-Pentanone	10	20 U	21 U	14 U	14 U	21 U	22 U
2-Hexanone	10	20 U	21 U	14 U	14 U	21 U	22 U
Tetrachloroethene	10	20 U	21 U	14 U	14 U	21 U	22 U
1,1,2,2-Tetrachloroethane	10	20 U	21 U	14 U	14 U	21 U	22 U
Toluene	10	20 U	21 U	14 U	14 U	21 U	22 U
Chlorobenzene	10	20 U	21 U	14 U	14 U	21 U	22 U
Ethylbenzene	10	20 U	21 U	14 U	14 U	21 U	22 U
Styrene	10	20 U	21 U	14 U	14 U	21 U	22 U
Total Xylenes	10	20 U	21 U	14 U	14 U	21 U	22 U
Dilution Factor:		1.00	1.00	1.00	1.00	1.00	1.00
Percent Solids:		50	47	69	69	47	45
Associated Method Blank:		E6126	E6126	E6126	E6126	E6126	E6126
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

PROJECT: NYSDEC PSA-6 Witmer Road Site

Volatile Organic Soil Analysis (ug/kg)

02/02/93

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRWT101XXX92XD LAB NUMBER: 930101-2 # DATE SAMPLED: 10/27/92 DATE ANALYZED: 10/29/92	WRWT101XXX92XX 930101-1 # 10/27/92 10/29/92	WRWT102XXX92XX 930101-3 # 10/27/92 10/29/92	WRWT103XXX92XX 930101-4 # 10/27/92 10/29/92	WRWT104XXX92XX 930101-5 # 10/27/92 10/29/92
Chloromethane	10	20 U	21 UJ	14 U	21 UJ	22 UJ
Bromomethane	10	20 U	21 UJ	14 U	21 UJ	22 UJ
Vinyl Chloride	10	20 U	21 UJ	14 U	21 UJ	22 UJ
Chloroethane	10	20 U	21 UJ	14 U	21 UJ	22 UJ
Methylene Chloride	10	20 U	21 UJ	14 U	21 UJ	22 UJ
Acetone	10	31 UJ	56 UJ	14 UJ	38 UJ	28 UJ
Carbon Disulfide	10	20 U	21 UJ	14 U	21 UJ	22 UJ
1,1-Dichloroethene	10	20 U	21 UJ	14 U	21 UJ	22 UJ
1,1-Dichloroethane	10	20 U	21 UJ	14 U	21 UJ	22 UJ
1,2-Dichloroethene (total)	10	20 U	21 UJ	14 U	21 UJ	22 UJ
Chloroform	10	20 U	21 UJ	14 U	21 UJ	22 UJ
1,2-Dichloroethane	10	20 U	21 UJ	14 U	21 UJ	28 J
2-Butanone	10	20 UJ	21 UJ	14 UJ	21 UJ	22 UJ
1,1,1-Trichloroethane	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
Carbon Tetrachloride	10	10 JJ	9 JJ	14 UJ	6 JJ	31 J
Bromodichloromethane	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
1,2-Dichloropropane	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
cis-1,3-Dichloropropene	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
Trichloroethene	10	20 U	4 JJ	14 UJ	21 UJ	22 UJ
Dibromochloromethane	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
1,1,2-Trichloroethane	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
Benzene	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
trans-1,3-Dichloropropene	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
Bromoform	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
4-Methyl-2-Pentanone	10	20 U	21 UJ	14 UJ	21 UJ	22 UJ
2-Hexanone	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Tetrachloroethene	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
1,1,2,2-Tetrachloroethane	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Toluene	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Chlorobenzene	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Ethylbenzene	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Styrene	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Total Xylenes	10	20 U	21 UJ	14 UR	21 UJ	22 UJ
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Percent Solids:		50	47	69	47	45
Associated Method Blank:		E6126	E6126	E6126	E6126	E6126
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

PROJECT: NYSDEC PSA-6 Witmer Road Site

Volatile Organic Soil Analysis (ug/kg)

02/02/93

Table 3
Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRWT101XXX92XD LAB NUMBER: 930101-2 # DATE SAMPLED: 10/27/92 DATE ANALYZED: 10/29/92	WRWT101XXX92XX 930101-1 # 10/27/92 10/29/92	WRWT102XXX92XX 930101-3 # 10/27/92 10/29/92	WRWT103XXX92XX 930101-4 # 10/27/92 10/29/92	WRWT104XXX92XX 930101-5 # 10/27/92 10/29/92
Chloromethane	10	-	-	-	-	-
Bromomethane	10	-	-	-	-	-
Vinyl Chloride	10	-	-	-	-	-
Chloroethane	10	-	-	-	-	-
Methylene Chloride	10	-	-	-	-	-
Acetone	10	-	-	-	-	-
Carbon Disulfide	10	-	-	-	-	-
1,1-Dichloroethene	10	-	-	-	-	-
1,1-Dichloroethane	10	-	-	-	-	-
1,2-Dichloroethene (total)	10	-	-	-	-	-
Chloroform	10	-	-	-	-	28 J
1,2-Dichloroethane	10	-	-	-	-	-
2-Butanone	10	-	-	-	-	-
1,1,1-Trichloroethane	10	-	-	-	-	-
Carbon Tetrachloride	10	10 JJ	9 JJ	-	6 JJ	31 J
Bromodichloromethane	10	-	-	-	-	-
1,2-Dichloropropane	10	-	-	-	-	-
cis-1,3-Dichloropropene	10	-	-	-	-	-
Trichloroethene	10	-	4 JJ	-	-	-
Dibromochloromethane	10	-	-	-	-	-
1,1,2-Trichloroethane	10	-	-	-	-	-
Benzene	10	-	-	-	-	-
trans-1,3-Dichloropropene	10	-	-	-	-	-
Bromoform	10	-	-	-	-	-
4-Methyl-2-Pentanone	10	-	-	R	-	-
2-Hexanone	10	-	-	R	-	-
Tetrachloroethene	10	-	-	R	-	-
1,1,2,2-Tetrachloroethane	10	-	-	R	-	-
Toluene	10	-	-	R	-	-
Chlorobenzene	10	-	-	R	-	-
Ethylbenzene	10	-	-	R	-	-
Styrene	10	-	-	R	-	-
Total Xylenes	10	-	-	R	-	-
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Percent Solids:		50	47	69	47	45
Associated Method Blank:		E6126	E6126	E6126	E6126	E6126
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRDS102XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-2 #	930110-2 R #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE ANALYZED:	11/02/92	11/02/92	10/30/92	11/02/92	10/30/92
ANALYTE	SOW-3/90 - II CRQL					
Chloromethane	10	11 U	11 U	11 U	16 U	11 U
Bromomethane	10	11 U	11 U	11 U	16 U	11 U
Vinyl Chloride	10	11 U	11 U	11 U	16 U	11 U
Chloroethane	10	11 U	11 U	11 U	16 U	11 U
Methylene Chloride	10	6 BJ	14 B	3 J	3 BJ	3 J
Acetone	10	16 B	32 B	6 J	190 B	11 U
Carbon Disulfide	10	11 U	11 U	11 U	16 U	11 U
1,1-Dichloroethene	10	11 U	11 U	11 U	16 U	11 U
1,1-Dichloroethane	10	11 U	11 U	11 U	16 U	11 U
1,2-Dichloroethene (total)	10	11 U	11 U	11 U	16 U	11 U
Chloroform	10	11 U	11 U	11 U	16 U	11 U
1,2-Dichloroethane	10	11 U	11 U	11 U	16 U	11 U
2-Butanone	10	11 U	11 U	11 U	43	11 U
1,1,1-Trichloroethane	10	18	17	11 U	6 J	11 U
Carbon Tetrachloride	10	11 U	11 U	11 U	16 U	11 U
Bromodichloromethane	10	11 U	11 U	11 U	16 U	11 U
1,2-Dichloropropane	10	11 U	11 U	11 U	16 U	11 U
cis-1,3-Dichloropropene	10	11 U	11 U	11 U	16 U	11 U
Trichloroethene	10	11 U	11 U	11 U	16 U	11 U
Dibromochloromethane	10	11 U	11 U	11 U	16 U	11 U
1,1,2-Trichloroethane	10	11 U	11 U	11 U	16 U	11 U
Benzene	10	11 U	11 U	11 U	3 J	11 U
trans-1,3-Dichloropropene	10	11 U	11 U	11 U	16 U	11 U
Bromoform	10	11 U	11 U	11 U	16 U	11 U
4-Methyl-2-Pentanone	10	11 U	11 U	11 U	16 U	11 U
2-Hexanone	10	11 U	11 U	11 U	16 U	11 U
Tetrachloroethene	10	5 J	11 U	11 U	16 U	11 U
1,1,2,2-Tetrachloroethane	10	11 U	11 U	11 U	16 U	11 U
Toluene	10	9 J	20	11 U	7 J	11 U
Chlorobenzene	10	11 U	11 U	11 U	16 U	11 U
Ethylbenzene	10	11 U	11 U	11 U	16 U	11 U
Styrene	10	11 U	11 U	11 U	16 U	11 U
Total Xylenes	10	11 U	11 U	11 U	16 U	11 U
Dilution Factor:		1.00	1.00	1.00	1.25	1.00
Percent Solids:		95	95	88	97	87
Associated Method Blank:		E6174	E6174	F4527	E6174	F4527
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-
Associated Trip Blank:		-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92
	DATE ANALYZED:	11/02/92	10/30/92	11/02/92	10/30/92
ANALYTE	SOW-3/90 - II CRQL				
Chloromethane	10	11 UJ	11 UJ	16 U	11 UJ
Bromomethane	10	11 UJ	11 U	16 U	11 U
Vinyl Chloride	10	11 UJ	11 U	16 U	11 U
Chloroethane	10	11 UJ	11 U	16 U	11 U
Methylene Chloride	10	11 UJ	11 U	13 U	11 U
Acetone	10	16 UJ	11 UJ	190 J	11 UJ
Carbon Disulfide	10	11 UJ	11 U	16 U	11 U
1,1-Dichloroethene	10	11 UJ	11 U	16 U	11 U
1,1-Dichloroethane	10	11 UJ	11 U	16 U	11 U
1,2-Dichloroethene (total)	10	11 UJ	11 U	16 U	11 U
Chloroform	10	11 UJ	11 U	16 U	11 U
1,2-Dichloroethane	10	11 UJ	11 U	16 U	11 U
2-Butanone	10	11 UJ	11 U	43 J	11 U
1,1,1-Trichloroethane	10	18 J	11 U	6 JJ	11 U
Carbon Tetrachloride	10	11 UJ	11 U	16 U	11 U
Bromodichloromethane	10	11 UJ	11 U	16 U	11 U
1,2-Dichloropropane	10	11 UJ	11 U	16 U	11 U
cis-1,3-Dichloropropene	10	11 UJ	11 U	16 U	11 U
Trichloroethene	10	11 UJ	11 U	16 U	11 U
Dibromochloromethane	10	11 UJ	11 U	16 U	11 U
1,1,2-Trichloroethane	10	11 UJ	11 U	16 U	11 U
Benzene	10	11 UJ	11 U	3 JJ	11 U
trans-1,3-Dichloropropene	10	11 UJ	11 U	16 U	11 U
Bromoform	10	11 UJ	11 U	16 U	11 U
4-Methyl-2-Pentanone	10	11 UJ	11 UJ	16 U	11 UJ
2-Hexanone	10	11 UJ	11 U	16 U	11 U
Tetrachloroethene	10	5 JJ	11 U	16 U	11 U
1,1,2,2-Tetrachloroethane	10	11 UJ	11 U	16 U	11 U
Toluene	10	9 JJ	11 U	7 JJ	11 U
Chlorobenzene	10	11 UJ	11 U	16 U	11 U
Ethylbenzene	10	11 UJ	11 U	16 U	11 U
Styrene	10	11 UJ	11 U	16 U	11 U
Total Xylenes	10	11 UJ	11 U	16 U	11 U
Dilution Factor:		1.00	1.00	1.25	1.00
Percent Solids:		95	88	97	87
Associated Method Blank:		E6174	F4527	E6174	F4527
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

PROJECT: NYSDEC PSA-6 Witmer Road Site

Volatile Organic Soil Analysis (ug/kg)

02/02/93

Table 3
Summary Table

	SAMPLE LOCATION:	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92
	DATE ANALYZED:	11/02/92	10/30/92	11/02/92	10/30/92
ANALYTE	SOW-3/90 - II CRQL				
Chloromethane	10	-	-	-	-
Bromomethane	10	-	-	-	-
Vinyl Chloride	10	-	-	-	-
Chloroethane	10	-	-	-	-
Methylene Chloride	10	-	-	-	-
Acetone	10	-	-	190 J	-
Carbon Disulfide	10	-	-	-	-
1,1-Dichloroethene	10	-	-	-	-
1,1-Dichloroethane	10	-	-	-	-
1,2-Dichloroethene (total)	10	-	-	-	-
Chloroform	10	-	-	-	-
1,2-Dichloroethane	10	-	-	-	-
2-Butanone	10	-	-	43 J	-
1,1,1-Trichloroethane	10	18 J	-	6 JJ	-
Carbon Tetrachloride	10	-	-	-	-
Bromodichloromethane	10	-	-	-	-
1,2-Dichloropropane	10	-	-	-	-
cis-1,3-Dichloropropene	10	-	-	-	-
Trichloroethene	10	-	-	-	-
Dibromochloromethane	10	-	-	-	-
1,1,2-Trichloroethane	10	-	-	-	-
Benzene	10	-	-	3 JJ	-
trans-1,3-Dichloropropene	10	-	-	-	-
Bromoform	10	-	-	-	-
4-Methyl-2-Pentanone	10	-	-	-	-
2-Hexanone	10	-	-	-	-
Tetrachloroethene	10	5 JJ	-	-	-
1,1,2,2-Tetrachloroethane	10	-	-	-	-
Toluene	10	9 JJ	-	7 JJ	-
Chlorobenzene	10	-	-	-	-
Ethylbenzene	10	-	-	-	-
Styrene	10	-	-	-	-
Total Xylenes	10	-	-	-	-
Dilution Factor:		1.00	1.00	1.25	1.00
Percent Solids:		95	88	97	87
Associated Method Blank:		E6174	F4527	E6174	F4527
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION: WRDS101XXX92XX
LAB NUMBER: 930110-1 #
DATE SAMPLED: 10/28/92
DATE ANALYZED: 11/02/92

ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	1200	7800	BJ
Bromomethane	1200	31000	U
Vinyl Chloride	1200	31000	U
Chloroethane	1200	31000	U
Methylene Chloride	1200	6000	BJ
Acetone	1200	31000	U
Carbon Disulfide	1200	31000	U
1,1-Dichloroethene	1200	31000	U
1,1-Dichloroethane	1200	31000	U
1,2-Dichloroethene (total)	1200	31000	U
Chloroform	1200	31000	U
1,2-Dichloroethane	1200	31000	U
2-Butanone	1200	31000	U
1,1,1-Trichloroethane	1200	31000	U
Carbon Tetrachloride	1200	31000	U
Bromodichloromethane	1200	31000	U
1,2-Dichloropropane	1200	31000	U
cis-1,3-Dichloropropene	1200	31000	U
Trichloroethene	1200	31000	U
Dibromochloromethane	1200	31000	U
1,1,2-Trichloroethane	1200	31000	U
Benzene	1200	31000	U
trans-1,3-Dichloropropene	1200	31000	U
Bromoform	1200	31000	U
4-Methyl-2-Pentanone	1200	31000	U
2-Hexanone	1200	31000	U
Tetrachloroethene	1200	31000	U
1,1,2,2-Tetrachloroethane	1200	31000	U
Toluene	1200	31000	U
Chlorobenzene	1200	31000	U
Ethylbenzene	1200	49000	
Styrene	1200	31000	U
Total Xylenes	1200	650000	

Dilution Factor: 20.0
Percent Solids: 96

Associated Method Blank: F4563
Associated Equipment Blank: -
Associated Field Blank: -
Associated Trip Blank: -

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

SAMPLE LOCATION: WRDS101XXX92XX
LAB NUMBER: 930110-1 #
DATE SAMPLED: 10/28/92
DATE ANALYZED: 11/02/92

ANALYTE	SOW-3/90 - II CRQL		
Chloromethane	1200	26000	U
Bromomethane	1200	26000	U
Vinyl Chloride	1200	26000	U
Chloroethane	1200	26000	U
Methylene Chloride	1200	26000	U
Acetone	1200	26000	UJ
Carbon Disulfide	1200	26000	U
1,1-Dichloroethene	1200	26000	U
1,1-Dichloroethane	1200	26000	U
1,2-Dichloroethene (total)	1200	26000	U
Chloroform	1200	26000	U
1,2-Dichloroethane	1200	26000	U
2-Butanone	1200	26000	U
1,1,1-Trichloroethane	1200	26000	U
Carbon Tetrachloride	1200	26000	U
Bromodichloromethane	1200	26000	U
1,2-Dichloropropane	1200	26000	U
cis-1,3-Dichloropropene	1200	26000	U
Trichloroethene	1200	26000	U
Dibromochloromethane	1200	26000	U
1,1,2-Trichloroethane	1200	26000	U
Benzene	1200	26000	U
trans-1,3-Dichloropropene	1200	26000	U
Bromoform	1200	26000	U
4-Methyl-2-Pentanone	1200	26000	UJ
2-Hexanone	1200	26000	U
Tetrachloroethene	1200	26000	U
1,1,2,2-Tetrachloroethane	1200	26000	U
Toluene	1200	26000	U
Chlorobenzene	1200	26000	U
Ethylbenzene	1200	49000	
Styrene	1200	26000	U
Total Xylenes	1200	650000	

Dilution Factor: 20.0
Percent Solids: 96

Associated Method Blank: F4563
Associated Equipment Blank: -
Associated Field Blank: -
Associated Trip Blank: -

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

PROJECT: NYSDEC PSA-6 Witmer Road Site

Medium Level Volatiles Soil Analysis (ug/kg)

02/02/93

Table 3
Summary Table

SAMPLE LOCATION: WRDS101XXX92XX
LAB NUMBER: 930110-1 #
DATE SAMPLED: 10/28/92
DATE ANALYZED: 11/02/92

ANALYTE	SOW-3/90 - II CRQL	
Chloromethane	1200	-
Bromomethane	1200	-
Vinyl Chloride	1200	-
Chloroethane	1200	-
Methylene Chloride	1200	-
Acetone	1200	-
Carbon Disulfide	1200	-
1,1-Dichloroethene	1200	-
1,1-Dichloroethane	1200	-
1,2-Dichloroethene (total)	1200	-
Chloroform	1200	-
1,2-Dichloroethane	1200	-
2-Butanone	1200	-
1,1,1-Trichloroethane	1200	-
Carbon Tetrachloride	1200	-
Bromodichloromethane	1200	-
1,2-Dichloropropane	1200	-
cis-1,3-Dichloropropene	1200	-
Trichloroethene	1200	-
Dibromochloromethane	1200	-
1,1,2-Trichloroethane	1200	-
Benzene	1200	-
trans-1,3-Dichloropropene	1200	-
Bromoform	1200	-
4-Methyl-2-Pentanone	1200	-
2-Hexanone	1200	-
Tetrachloroethene	1200	-
1,1,2,2-Tetrachloroethane	1200	-
Toluene	1200	-
Chlorobenzene	1200	-
Ethylbenzene	1200	49000
Styrene	1200	-
Total Xylenes	1200	650000

Dilution Factor: 20.0
Percent Solids: 96

Associated Method Blank: F4563
Associated Equipment Blank: -
Associated Field Blank: -
Associated Trip Blank: -

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/18/92	11/18/92
	DATE ANALYZED:	11/20/92	12/17/92	12/21/92	12/21/92
ANALYTE	SOW-3/90 - II CRQL				
Phenol	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/18/92	11/18/92
	DATE ANALYZED:	11/20/92	12/17/92	12/21/92	12/21/92
ANALYTE	SOW-3/90 - II CRQL				
3-Nitroaniline	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(a)Pyrene	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10 U	10 U	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		W185-3	W185-3	W185,191-5	W185,191-5
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/18/92	11/18/92
	DATE ANALYZED:	11/20/92	12/17/92	12/21/92	12/21/92
ANALYTE	SOW-3/90 - II CRQL				
Phenol	10	-	-	-	-
bis(2-Chloroethyl)ether	10	-	-	-	-
2-Chlorophenol	10	-	-	-	-
1,3-Dichlorobenzene	10	-	-	-	-
1,4-Dichlorobenzene	10	-	-	-	-
1,2-Dichlorobenzene	10	-	-	-	-
2-Methylphenol	10	-	-	-	-
2,2'-oxybis(1-Chloropropane)	10	-	-	-	-
4-Methylphenol	10	-	-	-	-
N-Nitroso-di-n-propylamine	10	-	-	-	-
Hexachloroethane	10	-	-	-	-
Nitrobenzene	10	-	-	-	-
Isophorone	10	-	-	-	-
2-Nitrophenol	10	-	-	-	-
2,4-Dimethylphenol	10	-	-	-	-
bis(2-Chloroethoxy)methane	10	-	-	-	-
2,4-Dichlorophenol	10	-	-	-	-
1,2,4-Trichlorobenzene	10	-	-	-	-
Naphthalene	10	-	-	-	-
4-Chloroaniline	10	-	-	-	-
Hexachlorobutadiene	10	-	-	-	-
4-Chloro-3-Methylphenol	10	-	-	-	-
2-Methylnaphthalene	10	-	-	-	-
Hexachlorocyclopentadiene	10	-	-	-	-
2,4,6-Trichlorophenol	10	-	-	-	-
2,4,5-Trichlorophenol	25	-	-	-	-
2-Chloronaphthalene	10	-	-	-	-
2-Nitroaniline	25	-	-	-	-
Dimethylphthalate	10	-	-	-	-
Acenaphthylene	10	-	-	-	-
2,6-Dinitrotoluene	10	-	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/18/92	11/18/92
	DATE ANALYZED:	11/20/92	12/17/92	12/21/92	12/21/92
ANALYTE	SOW-3/90 - II CRQL				
3-Nitroaniline	25	-	-	-	-
Acenaphthene	10	-	-	-	-
2,4-Dinitrophenol	25	-	-	-	-
4-Nitrophenol	25	-	-	-	-
Dibenzofuran	10	-	-	-	-
2,4-Dinitrotoluene	10	-	-	-	-
Diethylphthalate	10	-	-	-	-
4-Chlorophenyl-phenylether	10	-	-	-	-
Fluorene	10	-	-	-	-
4-Nitroaniline	25	-	-	-	-
4,6-Dinitro-2-methylphenol	25	-	-	-	-
N-Nitrosodiphenylamine	10	-	-	-	-
4-Bromophenyl-phenylether	10	-	-	-	-
Hexachlorobenzene	10	-	-	-	-
Pentachlorophenol	25	-	-	-	-
Phenanthrene	10	-	-	-	-
Anthracene	10	-	-	-	-
Carbazole	10	-	-	-	-
Di-n-butylphthalate	10	-	-	-	-
Fluoranthene	10	-	-	-	-
Pyrene	10	-	-	-	-
Butylbenzylphthalate	10	-	-	-	-
3,3'-Dichlorobenzidine	10	-	-	-	-
Benzo(a)Anthracene	10	-	-	-	-
Chrysene	10	-	-	-	-
bis(2-Ethylhexyl)phthalate	10	-	-	-	-
Di-n-octylphthalate	10	-	-	-	-
Benzo(b)Fluoranthene	10	-	-	-	-
Benzo(k)Fluoranthene	10	-	-	-	-
Benzo(a)Pyrene	10	-	-	-	-
Indeno(1,2,3-c,d)Pyrene	10	-	-	-	-
Dibenz(a,h)Anthracene	10	-	-	-	-
Benzo(g,h,i)perylene	10	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		W185-3	W185-3	W185,191-5	W185,191-5
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION:	WRQS002XXX92XX	WRQS101XXX92XX
LAB NUMBER:	930185-5	930101-6
DATE SAMPLED:	11/16/92	10/27/92
DATE EXTRACTED:	11/18/92	11/02/92
DATE ANALYZED:	12/20/92	11/11/92

ANALYTE	SOW-3/90 - II CRQL		
Phenol	10	10 U	10 U
bis(2-Chloroethyl)ether	10	10 U	10 U
2-Chlorophenol	10	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U
2-Methylphenol	10	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U
4-Methylphenol	10	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U
Hexachloroethane	10	10 U	10 U
Nitrobenzene	10	10 U	10 U
Isophorone	10	10 U	10 U
2-Nitrophenol	10	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U
1,2,4-Trichlorobenzene	10	10 U	10 U
Naphthalene	10	10 U	10 U
4-Chloroaniline	10	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U
4-Chloro-3-Methylphenol	10	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U
2-Chloronaphthalene	10	10 U	10 U
2-Nitroaniline	25	25 U	25 U
Dimethylphthalate	10	10 U	10 U
Acenaphthylene	10	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U

Site: EQUIPMENT RINSATE
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable
J: Estimated B: Blank contamination D: Diluted result -: Not detected

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION:		WRQS002XXX92XX	WRQS101XXX92XX
LAB NUMBER:		930185-5	930101-6
DATE SAMPLED:		11/16/92	10/27/92
DATE EXTRACTED:		11/18/92	11/02/92
DATE ANALYZED:		12/20/92	11/11/92
ANALYTE	SOW-3/90 - II CRQL		
3-Nitroaniline	25	25 U	25 U
Acenaphthene	10	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U
4-Nitrophenol	25	25 U	25 U
Dibenzofuran	10	10 U	10 U
2,4-Dinitrotoluene	10	10 U	10 U
Diethylphthalate	10	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U
Fluorene	10	10 U	10 U
4-Nitroaniline	25	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U
N-Nitrosodiphenylamine	10	10 U	10 U
4-Bromophenyl-phenylether	10	10 U	10 U
Hexachlorobenzene	10	10 U	10 U
Pentachlorophenol	25	25 U	25 U
Phenanthrene	10	10 U	10 U
Anthracene	10	10 U	10 U
Carbazole	10	10 U	10 U
Di-n-butylphthalate	10	1 BJ	10 U
Fluoranthene	10	10 U	10 U
Pyrene	10	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U
Benzo(a)Anthracene	10	10 U	10 U
Chrysene	10	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U
Benzo(b)Fluoranthene	10	10 U	10 U
Benzo(k)Fluoranthene	10	10 U	10 U
Benzo(a)Pyrene	10	10 U	10 U
Indeno(1,2,3-c,d)Pyrene	10	10 U	10 U
Dibenz(a,h)Anthracene	10	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U
Dilution Factor:		1.00	1.00
Associated Method Blank:		W185,191-1	K2789
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: EQUIPMENT RINSATE
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable
J: Estimated B: Blank contamination D: Diluted result -: Not detected

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRSS101XXX92XX		WRSS102XXX92XX	
	LAB NUMBER:	930110-6 #		930110-7 #	
	DATE SAMPLED:	10/28/92		10/28/92	
	DATE EXTRACTED:	11/03/92		11/03/92	
	DATE ANALYZED:	12/03/92		12/04/92	
ANALYTE	SOW-3/90 - II CRQL				
Phenol	330	1000	U	1200	U
bis(2-Chloroethyl)ether	330	1000	U	1200	U
2-Chlorophenol	330	1000	U	1200	U
1,3-Dichlorobenzene	330	1000	U	1200	U
1,4-Dichlorobenzene	330	1000	U	1200	U
1,2-Dichlorobenzene	330	1000	U	1200	U
2-Methylphenol	330	1000	U	1200	U
2,2'-oxybis(1-Chloropropane)	330	1000	U	1200	U
4-Methylphenol	330	1000	U	1200	U
N-Nitroso-di-n-propylamine	330	1000	U	1200	U
Hexachloroethane	330	1000	U	1200	U
Nitrobenzene	330	1000	U	1200	U
Isophorone	330	1000	U	1200	U
2-Nitrophenol	330	1000	U	1200	U
2,4-Dimethylphenol	330	1000	U	1200	U
bis(2-Chloroethoxy)methane	330	1000	U	1200	U
2,4-Dichlorophenol	330	1000	U	1200	U
1,2,4-Trichlorobenzene	330	1000	U	1200	U
Naphthalene	330	1000	U	1200	U
4-Chloroaniline	330	1000	U	1200	U
Hexachlorobutadiene	330	1000	U	1200	U
4-Chloro-3-Methylphenol	330	1000	U	1200	U
2-Methylnaphthalene	330	1000	U	1200	U
Hexachlorocyclopentadiene	330	1000	U	1200	U
2,4,6-Trichlorophenol	330	1000	U	1200	U
2,4,5-Trichlorophenol	800	2500	U	2900	U
2-Chloronaphthalene	330	1000	U	1200	U
2-Nitroaniline	800	2500	U	2900	U
Dimethylphthalate	330	1000	U	1200	U
Acenaphthylene	330	1000	U	1200	U
2,6-Dinitrotoluene	330	1000	U	1200	U

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRSS101XXX92XX		WRSS102XXX92XX	
	LAB NUMBER:	930110-6 #		930110-7 #	
	DATE SAMPLED:	10/28/92		10/28/92	
	DATE EXTRACTED:	11/03/92		11/03/92	
	DATE ANALYZED:	12/03/92		12/04/92	
ANALYTE	SOW-3/90 - II CRQL				
3-Nitroaniline	800	2500	U	2900	U
Acenaphthene	330	160	J	1200	U
2,4-Dinitrophenol	800	2500	U	2900	U
4-Nitrophenol	800	2500	U	2900	U
Dibenzofuran	330	1000	U	1200	U
2,4-Dinitrotoluene	330	1000	U	1200	U
Diethylphthalate	330	1000	U	1200	U
4-Chlorophenyl-phenylether	330	1000	U	1200	U
Fluorene	330	130	J	1200	U
4-Nitroaniline	800	2500	U	2900	U
4,6-Dinitro-2-methylphenol	800	2500	U	2900	U
N-Nitrosodiphenylamine	330	1000	U	1200	U
4-Bromophenyl-phenylether	330	1000	U	1200	U
Hexachlorobenzene	330	1000	U	360	J
Pentachlorophenol	800	2500	U	2900	U
Phenanthrene	330	1300		720	J
Anthracene	330	250	J	130	J
Carbazole	330	170	J	1200	U
Di-n-butylphthalate	330	1000	U	120	BJ
Fluoranthene	330	1500		1200	
Pyrene	330	1700		950	J
Butylbenzylphthalate	330	1000	U	1200	U
3,3'-Dichlorobenzidine	330	1000	U	1200	U
Benzo(a)Anthracene	330	1200		600	J
Chrysene	330	960	J	730	J
bis(2-Ethylhexyl)phthalate	330	120	BJ	1200	U
Di-n-octylphthalate	330	1000	U	1200	U
Benzo(b)Fluoranthene	330	1600		1000	J
Benzo(k)Fluoranthene	330	960	J	700	J
Benzo(a)Pyrene	330	910	J	770	J
Indeno(1,2,3-c,d)Pyrene	330	420	J	620	J
Dibenz(a,h)Anthracene	330	1000	U	180	J
Benzo(g,h,i)perylene	330	300	J	520	J
Dilution Factor:		2.00		2.00	
Percent Solids:		64		56	
Associated Method Blank:		K2938		K2938	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-	

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

PROJECT: NYSDEC PSA-6 Witmer Road Site

Semivolatile Organic Soil Analysis (ug/kg)

02/02/93

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-7 #
	DATE SAMPLED:	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/04/92
ANALYTE	SOW-3/90 - II CRQL		
Phenol	330	1000 U	1200 U
bis(2-Chloroethyl)ether	330	1000 U	1200 U
2-Chlorophenol	330	1000 U	1200 U
1,3-Dichlorobenzene	330	1000 U	1200 U
1,4-Dichlorobenzene	330	1000 U	1200 U
1,2-Dichlorobenzene	330	1000 U	1200 U
2-Methylphenol	330	1000 U	1200 U
2,2'-oxybis(1-Chloropropane)	330	1000 U	1200 U
4-Methylphenol	330	1000 U	1200 U
N-Nitroso-di-n-propylamine	330	1000 U	1200 U
Hexachloroethane	330	1000 U	1200 U
Nitrobenzene	330	1000 U	1200 U
Isophorone	330	1000 U	1200 U
2-Nitrophenol	330	1000 U	1200 U
2,4-Dimethylphenol	330	1000 U	1200 U
bis(2-Chloroethoxy)methane	330	1000 U	1200 U
2,4-Dichlorophenol	330	1000 U	1200 U
1,2,4-Trichlorobenzene	330	1000 U	1200 U
Naphthalene	330	1000 U	1200 U
4-Chloroaniline	330	1000 U	1200 U
Hexachlorobutadiene	330	1000 U	1200 U
4-Chloro-3-Methylphenol	330	1000 U	1200 U
2-Methylnaphthalene	330	1000 U	1200 UJ
Hexachlorocyclopentadiene	330	1000 U	1200 U
2,4,6-Trichlorophenol	330	1000 U	1200 U
2,4,5-Trichlorophenol	800	2500 U	2900 U
2-Chloronaphthalene	330	1000 U	1200 U
2-Nitroaniline	800	2500 U	2900 U
Dimethylphthalate	330	1000 U	1200 U
Acenaphthylene	330	1000 U	1200 U
2,6-Dinitrotoluene	330	1000 U	1200 U

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-7 #
	DATE SAMPLED:	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/04/92
ANALYTE	SOW-3/90 - II CRQL		
3-Nitroaniline	800	2500 U	2900 U
Acenaphthene	330	160 JJ	1200 U
2,4-Dinitrophenol	800	2500 U	2900 U
4-Nitrophenol	800	2500 U	2900 U
Dibenzofuran	330	1000 U	1200 U
2,4-Dinitrotoluene	330	1000 U	1200 U
Diethylphthalate	330	1000 U	1200 U
4-Chlorophenyl-phenylether	330	1000 U	1200 U
Fluorene	330	130 JJ	1200 U
4-Nitroaniline	800	2500 U	2900 U
4,6-Dinitro-2-methylphenol	800	2500 U	2900 U
N-Nitrosodiphenylamine	330	1000 U	1200 U
4-Bromophenyl-phenylether	330	1000 U	1200 U
Hexachlorobenzene	330	1000 U	360 JJ
Pentachlorophenol	800	2500 U	2900 U
Phenanthrene	330	1300	720 JJ
Anthracene	330	250 JJ	130 JJ
Carbazole	330	170 JJ	1200 U
Di-n-butylphthalate	330	1000 U	1200 U
Fluoranthene	330	1500	1200
Pyrene	330	1700	950 JJ
Butylbenzylphthalate	330	1000 U	1200 U
3,3'-Dichlorobenzidine	330	1000 U	1200 U
Benzo(a)Anthracene	330	1200	600 JJ
Chrysene	330	960 JJ	730 JJ
bis(2-Ethylhexyl)phthalate	330	1000 U	1200 U
Di-n-octylphthalate	330	1000 U	1200 U
Benzo(b)Fluoranthene	330	1600	1000 JJ
Benzo(k)Fluoranthene	330	960 JJ	700 JJ
Benzo(a)Pyrene	330	910 JJ	770 JJ
Indeno(1,2,3-c,d)Pyrene	330	420 JJ	620 JJ
Dibenz(a,h)Anthracene	330	1000 U	180 JJ
Benzo(g,h,i)perylene	330	300 JJ	520 JJ
Dilution Factor:		2.00	2.00
Percent Solids:		64	56
Associated Method Blank:		K2938	K2938
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-7 #
	DATE SAMPLED:	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/04/92
ANALYTE	SOW-3/90 - II CRQL		
Phenol	330	-	-
bis(2-Chloroethyl)ether	330	-	-
2-Chlorophenol	330	-	-
1,3-Dichlorobenzene	330	-	-
1,4-Dichlorobenzene	330	-	-
1,2-Dichlorobenzene	330	-	-
2-Methylphenol	330	-	-
2,2'-oxybis(1-Chloropropane)	330	-	-
4-Methylphenol	330	-	-
N-Nitroso-di-n-propylamine	330	-	-
Hexachloroethane	330	-	-
Nitrobenzene	330	-	-
Isophorone	330	-	-
2-Nitrophenol	330	-	-
2,4-Dimethylphenol	330	-	-
bis(2-Chloroethoxy)methane	330	-	-
2,4-Dichlorophenol	330	-	-
1,2,4-Trichlorobenzene	330	-	-
Naphthalene	330	-	-
4-Chloroaniline	330	-	-
Hexachlorobutadiene	330	-	-
4-Chloro-3-Methylphenol	330	-	-
2-Methylnaphthalene	330	-	-
Hexachlorocyclopentadiene	330	-	-
2,4,6-Trichlorophenol	330	-	-
2,4,5-Trichlorophenol	800	-	-
2-Chloronaphthalene	330	-	-
2-Nitroaniline	800	-	-
Dimethylphthalate	330	-	-
Acenaphthylene	330	-	-
2,6-Dinitrotoluene	330	-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-7 #
	DATE SAMPLED:	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/04/92
ANALYTE	SOW-3/90 - II CRQL		
3-Nitroaniline	800	-	-
Acenaphthene	330	160 JJ	-
2,4-Dinitrophenol	800	-	-
4-Nitrophenol	800	-	-
Dibenzofuran	330	-	-
2,4-Dinitrotoluene	330	-	-
Diethylphthalate	330	-	-
4-Chlorophenyl-phenylether	330	-	-
Fluorene	330	130 JJ	-
4-Nitroaniline	800	-	-
4,6-Dinitro-2-methylphenol	800	-	-
N-Nitrosodiphenylamine	330	-	-
4-Bromophenyl-phenylether	330	-	-
Hexachlorobenzene	330	-	360 JJ
Pentachlorophenol	800	-	-
Phenanthrene	330	1300	720 JJ
Anthracene	330	250 JJ	130 JJ
Carbazole	330	170 JJ	-
Di-n-butylphthalate	330	-	-
Fluoranthene	330	1500	1200
Pyrene	330	1700	950 JJ
Butylbenzylphthalate	330	-	-
3,3'-Dichlorobenzidine	330	-	-
Benzo(a)Anthracene	330	1200	600 JJ
Chrysene	330	960 JJ	730 JJ
bis(2-Ethylhexyl)phthalate	330	-	-
Di-n-octylphthalate	330	-	-
Benzo(b)Fluoranthene	330	1600	1000 JJ
Benzo(k)Fluoranthene	330	960 JJ	700 JJ
Benzo(a)Pyrene	330	910 JJ	770 JJ
Indeno(1,2,3-c,d)Pyrene	330	420 JJ	620 JJ
Dibenz(a,h)Anthracene	330	-	180 JJ
Benzo(g,h,i)perylene	330	300 JJ	520 JJ
Dilution Factor:		2.00	2.00
Percent Solids:		64	56
Associated Method Blank:		K2938	K2938
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	930101-2 #	930101-1 #	930101-3 #	930101-4 #	930101-4 R #	930101-5 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/31/92	10/31/92	10/31/92	10/31/92	11/25/92	10/31/92
	DATE ANALYZED:	11/20/92	11/20/92	11/23/92	11/23/92	12/05/92	11/20/92
ANALYTE	SOW-3/90 - II CRQL						
Phenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
bis(2-Chloroethyl)ether	330	660 U	700 U	480 U	700 U	7000 U	730 U
2-Chlorophenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
1,3-Dichlorobenzene	330	660 U	700 U	480 U	700 U	7000 U	730 U
1,4-Dichlorobenzene	330	660 U	700 U	480 U	700 U	7000 U	730 U
1,2-Dichlorobenzene	330	660 U	700 U	480 U	700 U	7000 U	730 U
2-Methylphenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
2,2'-oxybis(1-Chloropropane)	330	660 U	700 U	480 U	700 U	7000 U	730 U
4-Methylphenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
N-Nitroso-di-n-propylamine	330	660 U	700 U	480 U	700 U	7000 U	730 U
Hexachloroethane	330	660 U	700 U	480 U	700 U	7000 U	730 U
Nitrobenzene	330	660 U	700 U	480 U	700 U	7000 U	730 U
Isophorone	330	660 U	700 U	480 U	700 U	7000 U	730 U
2-Nitrophenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
2,4-Dimethylphenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
bis(2-Chloroethoxy)methane	330	660 U	700 U	480 U	700 U	7000 U	730 U
2,4-Dichlorophenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
1,2,4-Trichlorobenzene	330	660 U	700 U	480 U	700 U	7000 U	730 U
Naphthalene	330	660 U	700 U	480 U	700 U	7000 U	730 U
4-Chloroaniline	330	660 U	700 U	480 U	700 U	7000 U	730 U
Hexachlorobutadiene	330	660 U	700 U	480 U	700 U	7000 U	730 U
4-Chloro-3-Methylphenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
2-Methylnaphthalene	330	660 U	700 U	480 U	700 U	7000 U	730 U
Hexachlorocyclopentadiene	330	660 U	700 U	480 U	700 U	7000 U	730 U
2,4,6-Trichlorophenol	330	660 U	700 U	480 U	700 U	7000 U	730 U
2,4,5-Trichlorophenol	800	1600 U	1700 U	1200 U	1700 U	17000 U	1800 U
2-Chloronaphthalene	330	660 U	700 U	480 U	700 U	7000 U	730 U
2-Nitroaniline	800	1600 U	1700 U	1200 U	1700 U	17000 U	1800 U
Dimethylphthalate	330	660 U	700 U	480 U	700 U	7000 U	730 U
Acenaphthylene	330	660 U	700 U	480 U	700 U	7000 U	730 U
2,6-Dinitrotoluene	330	660 U	700 U	480 U	700 U	7000 U	730 U

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

ANALYTE	SOW-3/90 - II CRQL											
SAMPLE LOCATION:		WRWT101XXX92XD		WRWT101XXX92XX		WRWT102XXX92XX		WRWT103XXX92XX		WRWT103XXX92XX		WRWT104XXX92XX
LAB NUMBER:		930101-2 #		930101-1 #		930101-3 #		930101-4 #		930101-4 R #		930101-5 #
DATE SAMPLED:		10/27/92		10/27/92		10/27/92		10/27/92		10/27/92		10/27/92
DATE EXTRACTED:		10/31/92		10/31/92		10/31/92		10/31/92		11/25/92		10/31/92
DATE ANALYZED:		11/20/92		11/20/92		11/23/92		11/23/92		12/05/92		11/20/92
3-Nitroaniline	800	1600	U	1700	U	1200	U	1700	U	17000	U	1800	U
Acenaphthene	330	660	U	700	U	480	U	700	U	7000	U	730	U
2,4-Dinitrophenol	800	1600	U	1700	U	1200	U	1700	U	17000	U	1800	U
4-Nitrophenol	800	1600	U	1700	U	1200	U	1700	U	17000	U	1800	U
Dibenzofuran	330	660	U	700	U	480	U	700	U	7000	U	730	U
2,4-Dinitrotoluene	330	660	U	700	U	480	U	700	U	7000	U	730	U
Diethylphthalate	330	660	U	700	U	480	U	700	U	7000	U	730	U
4-Chlorophenyl-phenylether	330	660	U	700	U	480	U	700	U	7000	U	730	U
Fluorene	330	660	U	700	U	480	U	700	U	7000	U	730	U
4-Nitroaniline	800	1600	U	1700	U	1200	U	1700	U	17000	U	1800	U
4,6-Dinitro-2-methylphenol	800	1600	U	1700	U	1200	U	1700	U	17000	U	1800	U
N-Nitrosodiphenylamine	330	660	U	700	U	480	U	700	U	7000	U	730	U
4-Bromophenyl-phenylether	330	660	U	700	U	480	U	700	U	7000	U	730	U
Hexachlorobenzene	330	660	U	700	U	480	U	700	U	7000	U	730	U
Pentachlorophenol	800	1600	U	1700	U	1200	U	1700	U	17000	U	1800	U
Phenanthrene	330	550	J	200	J	250	J	700	U	7000	U	86	J
Anthracene	330	160	J	700	U	60	J	700	U	7000	U	730	U
Carbazole	330	90	J	700	U	480	U	700	U	7000	U	730	U
Di-n-butylphthalate	330	660	U	73	BJ	100	J	95	J	7000	U	76	J
Fluoranthene	330	780		310	J	480		700	U	7000	U	120	J
Pyrene	330	710		280	J	340	J	700	U	7000	U	98	J
Butylbenzylphthalate	330	660	U	700	U	480	U	700	U	7000	U	730	U
3,3'-Dichlorobenzidine	330	660	U	700	U	480	U	700	U	7000	U	730	U
Benzo(a)Anthracene	330	390	J	170	J	260	J	700	U	7000	U	730	U
Chrysene	330	400	J	190	J	240	J	700	U	7000	U	86	J
bis(2-Ethylhexyl)phthalate	330	660	U	700	U	53	J	700	U	7000	U	730	U
Di-n-octylphthalate	330	660	U	700	U	480	U	700	U	7000	U	730	U
Benzo(b)Fluoranthene	330	340	J	150	J	310	J	700	U	7000	U	730	U
Benzo(k)Fluoranthene	330	200	J	150	J	290	J	700	U	7000	U	730	U
Benzo(a)Pyrene	330	320	J	140	J	260	J	700	U	7000	U	730	U
Indeno(1,2,3-c,d)Pyrene	330	170	J	170	J	91	J	700	U	7000	U	730	U
Dibenz(a,h)Anthracene	330	660	U	700	U	480	U	700	U	7000	U	730	U
Benzo(g,h,i)perylene	330	100	J	130	J	56	J	700	U	7000	U	730	U
Dilution Factor:		1.00		1.00		1.00		1.00		10.0		1.00	
Percent Solids:		50		47		69		47		47		45	
Associated Method Blank:		K2856		K2856		K2856		K2856		K3049		K2856	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-		-	

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRWT101XXX92XD LAB NUMBER: 930101-2 # DATE SAMPLED: 10/27/92 DATE EXTRACTED: 10/31/92 DATE ANALYZED: 11/20/92	WRWT101XXX92XX 930101-1 # 10/27/92 10/31/92 11/20/92	WRWT102XXX92XX 930101-3 # 10/27/92 10/31/92 11/23/92	WRWT103XXX92XX 930101-4 # 10/27/92 10/31/92 11/23/92	WRWT104XXX92XX 930101-5 # 10/27/92 10/31/92 11/20/92
Phenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
bis(2-Chloroethyl)ether	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2-Chlorophenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
1,3-Dichlorobenzene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
1,4-Dichlorobenzene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
1,2-Dichlorobenzene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2-Methylphenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
2,2'-oxybis(1-Chloropropane)	330	660 U	700 UJ	480 U	700 UJ	730 UJ
4-Methylphenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
N-Nitroso-di-n-propylamine	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Hexachloroethane	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Nitrobenzene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Isophorone	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2-Nitrophenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
2,4-Dimethylphenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
bis(2-Chloroethoxy)methane	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2,4-Dichlorophenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
1,2,4-Trichlorobenzene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Naphthalene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
4-Chloroaniline	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Hexachlorobutadiene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
4-Chloro-3-Methylphenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
2-Methylnaphthalene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Hexachlorocyclopentadiene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2,4,6-Trichlorophenol	330	660 U	700 UJ	480 U	700 UR	730 UJ
2,4,5-Trichlorophenol	800	1600 U	1700 UJ	1200 U	1700 UR	1800 UJ
2-Chloronaphthalene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2-Nitroaniline	800	1600 U	1700 UJ	1200 U	1700 UJ	1800 UJ
Dimethylphthalate	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Acenaphthylene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2,6-Dinitrotoluene	330	660 U	700 UJ	480 U	700 UJ	730 UJ

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	930101-2 #	930101-1 #	930101-3 #	930101-4 #	930101-5 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92
	DATE ANALYZED:	11/20/92	11/20/92	11/23/92	11/23/92	11/20/92
ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	800	1600 U	1700 UJ	1200 U	1700 UJ	1800 UJ
Acenaphthene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2,4-Dinitrophenol	800	1600 U	1700 UJ	1200 U	1700 UR	1800 UJ
4-Nitrophenol	800	1600 U	1700 UJ	1200 U	1700 UR	1800 UJ
Dibenzofuran	330	660 U	700 UJ	480 U	700 UJ	730 UJ
2,4-Dinitrotoluene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Diethylphthalate	330	660 U	700 UJ	480 U	700 UJ	730 UJ
4-Chlorophenyl-phenylether	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Fluorene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
4-Nitroaniline	800	1600 U	1700 UJ	1200 U	1700 UJ	1800 UJ
4,6-Dinitro-2-methylphenol	800	1600 U	1700 UJ	1200 U	1700 UR	1800 UJ
N-Nitrosodiphenylamine	330	660 U	700 UJ	480 U	700 UJ	730 UJ
4-Bromophenyl-phenylether	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Hexachlorobenzene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Pentachlorophenol	800	1600 U	1700 UJ	1200 U	1700 UR	1800 UJ
Phenanthrene	330	550 JJ	200 JJ	250 JJ	700 UJ	86 JJ
Anthracene	330	160 JJ	700 UJ	60 JJ	700 UJ	730 UJ
Carbazole	330	90 JJ	700 UJ	480 U	700 UJ	730 UJ
Di-n-butylphthalate	330	660 U	73 JJ	100 JJ	95 JJ	76 JJ
Fluoranthene	330	780 J	310 JJ	480	700 UJ	120 JJ
Pyrene	330	710 J	280 JJ	340 JJ	700 UJ	98 JJ
Butylbenzylphthalate	330	660 U	700 UJ	480 U	700 UJ	730 UJ
3,3'-Dichlorobenzidine	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Benzo(a)Anthracene	330	390 JJ	170 JJ	260 JJ	700 UJ	730 UJ
Chrysene	330	400 JJ	190 JJ	240 JJ	700 UJ	86 JJ
bis(2-Ethylhexyl)phthalate	330	660 U	700 UJ	53 JJ	700 UJ	730 UJ
Di-n-octylphthalate	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Benzo(b)Fluoranthene	330	340 JJ	150 JJ	310 JJ	700 UJ	730 UJ
Benzo(k)Fluoranthene	330	200 JJ	150 JJ	290 JJ	700 UJ	730 UJ
Benzo(a)Pyrene	330	320 JJ	140 JJ	260 JJ	700 UJ	730 UJ
Indeno(1,2,3-c,d)Pyrene	330	170 JJ	170 JJ	91 JJ	700 UJ	730 UJ
Dibenz(a,h)Anthracene	330	660 U	700 UJ	480 U	700 UJ	730 UJ
Benzo(g,h,i)perylene	330	100 JJ	130 JJ	56 JJ	700 UJ	730 UJ
Dilution Factor:		1.00	1.00	1.00	1.00	1.00
Percent Solids:		50	47	69	47	45
Associated Method Blank:		K2856	K2856	K2856	K2856	K2856
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
LAB NUMBER:	930101-2 #	930101-1 #	930101-3 #	930101-4 #	930101-5 #
DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
DATE EXTRACTED:	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92
DATE ANALYZED:	11/20/92	11/20/92	11/23/92	11/23/92	11/20/92

ANALYTE	SOW-3/90 - II CRQL					
Phenol	330	-	-	-	R	-
bis(2-Chloroethyl)ether	330	-	-	-	-	-
2-Chlorophenol	330	-	-	-	R	-
1,3-Dichlorobenzene	330	-	-	-	-	-
1,4-Dichlorobenzene	330	-	-	-	-	-
1,2-Dichlorobenzene	330	-	-	-	-	-
2-Methylphenol	330	-	-	-	R	-
2,2'-oxybis(1-Chloropropane)	330	-	-	-	-	-
4-Methylphenol	330	-	-	-	R	-
N-Nitroso-di-n-propylamine	330	-	-	-	-	-
Hexachloroethane	330	-	-	-	-	-
Nitrobenzene	330	-	-	-	-	-
Isophorone	330	-	-	-	-	-
2-Nitrophenol	330	-	-	-	R	-
2,4-Dimethylphenol	330	-	-	-	R	-
bis(2-Chloroethoxy)methane	330	-	-	-	-	-
2,4-Dichlorophenol	330	-	-	-	R	-
1,2,4-Trichlorobenzene	330	-	-	-	-	-
Naphthalene	330	-	-	-	-	-
4-Chloroaniline	330	-	-	-	-	-
Hexachlorobutadiene	330	-	-	-	-	-
4-Chloro-3-Methylphenol	330	-	-	-	R	-
2-Methylnaphthalene	330	-	-	-	-	-
Hexachlorocyclopentadiene	330	-	-	-	-	-
2,4,6-Trichlorophenol	330	-	-	-	R	-
2,4,5-Trichlorophenol	800	-	-	-	R	-
2-Chloronaphthalene	330	-	-	-	-	-
2-Nitroaniline	800	-	-	-	-	-
Dimethylphthalate	330	-	-	-	-	-
Acenaphthylene	330	-	-	-	-	-
2,6-Dinitrotoluene	330	-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

SAMPLE LOCATION:	WRWT101XXX92XD		WRWT101XXX92XX		WRWT102XXX92XX		WRWT103XXX92XX		WRWT104XXX92XX
LAB NUMBER:	930101-2 #		930101-1 #		930101-3 #		930101-4 #		930101-5 #
DATE SAMPLED:	10/27/92		10/27/92		10/27/92		10/27/92		10/27/92
DATE EXTRACTED:	10/31/92		10/31/92		10/31/92		10/31/92		10/31/92
DATE ANALYZED:	11/20/92		11/20/92		11/23/92		11/23/92		11/20/92
ANALYTE SOW-3/90 - II CRQL									
3-Nitroaniline 800	-		-		-		-		-
Acenaphthene 330	-		-		-		-		-
2,4-Dinitrophenol 800	-		-		-			R	-
4-Nitrophenol 800	-		-		-			R	-
Dibenzofuran 330	-		-		-		-		-
2,4-Dinitrotoluene 330	-		-		-		-		-
Diethylphthalate 330	-		-		-		-		-
4-Chlorophenyl-phenylether 330	-		-		-		-		-
Fluorene 330	-		-		-		-		-
4-Nitroaniline 800	-		-		-		-		-
4,6-Dinitro-2-methylphenol 800	-		-		-			R	-
N-Nitrosodiphenylamine 330	-		-		-		-		-
4-Bromophenyl-phenylether 330	-		-		-		-		-
Hexachlorobenzene 330	-		-		-		-		-
Pentachlorophenol 800	-		-		-			R	-
Phenanthrene 330	550	JJ	200	JJ	250	JJ	-		86 JJ
Anthracene 330	160	JJ	-		60	JJ	-		-
Carbazole 330	90	JJ	-		-		-		-
Di-n-butylphthalate 330	-		73	JJ	100	JJ	95	JJ	76 JJ
Fluoranthene 330	780	J	310	JJ	480		-		120 JJ
Pyrene 330	710	J	280	JJ	340	JJ	-		98 JJ
Butylbenzylphthalate 330	-		-		-		-		-
3,3'-Dichlorobenzidine 330	-		-		-		-		-
Benzo(a)Anthracene 330	390	JJ	170	JJ	260	JJ	-		-
Chrysene 330	400	JJ	190	JJ	240	JJ	-		86 JJ
bis(2-Ethylhexyl)phthalate 330	-		-		53	JJ	-		-
Di-n-octylphthalate 330	-		-		-		-		-
Benzo(b)Fluoranthene 330	340	JJ	150	JJ	310	JJ	-		-
Benzo(k)Fluoranthene 330	200	JJ	150	JJ	290	JJ	-		-
Benzo(a)Pyrene 330	320	JJ	140	JJ	260	JJ	-		-
Indeno(1,2,3-c,d)Pyrene 330	170	JJ	170	JJ	91	JJ	-		-
Dibenz(a,h)Anthracene 330	-		-		-		-		-
Benzo(g,h,i)perylene 330	100	JJ	130	JJ	56	JJ	-		-
Dilution Factor:	1.00		1.00		1.00		1.00		1.00
Percent Solids:	50		47		69		47		45
Associated Method Blank:	K2856		K2856		K2856		K2856		K2856
Associated Equipment Blank:	WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX
Associated Field Blank:	-		-		-		-		-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/03/92	11/30/92	12/03/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	330	340000 U	6900 U	380 U	1700 U	3800 U
bis(2-Chloroethyl)ether	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Chlorophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
1,3-Dichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
1,4-Dichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
1,2-Dichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Methylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2,2'-oxybis(1-Chloropropane)	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Methylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
N-Nitroso-di-n-propylamine	330	340000 U	6900 U	380 U	1700 U	3800 U
Hexachloroethane	330	340000 U	6900 U	380 U	1700 U	3800 U
Nitrobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
Isophorone	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Nitrophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4-Dimethylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
bis(2-Chloroethoxy)methane	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4-Dichlorophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
1,2,4-Trichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
Naphthalene	330	340000 U	6900 U	380 U	240 J	3800 U
4-Chloroaniline	330	340000 U	6900 U	380 U	1700 U	3800 U
Hexachlorobutadiene	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Chloro-3-Methylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Methylnaphthalene	330	320000 J	6900 U	380 U	1700 U	3800 U
Hexachlorocyclopentadiene	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4,6-Trichlorophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4,5-Trichlorophenol	800	830000 U	17000 U	910 U	4100 U	9600 U
2-Chloronaphthalene	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Nitroaniline	800	830000 U	17000 U	910 U	4100 U	9600 U
Dimethylphthalate	330	340000 U	6900 U	380 U	1700 U	3800 U
Acenaphthylene	330	340000 U	6900 U	380 U	1700 U	3800 U
2,6-Dinitrotoluene	330	340000 U	6900 U	380 U	1700 U	3800 U

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/03/92	11/30/92	12/03/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	800	830000 U	17000 U	910 U	4100 U	9600 U
Acenaphthene	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4-Dinitrophenol	800	830000 U	17000 U	910 U	4100 U	9600 U
4-Nitrophenol	800	830000 U	17000 U	910 U	4100 U	9600 U
Dibenzofuran	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4-Dinitrotoluene	330	340000 U	6900 U	380 U	1700 U	3800 U
Diethylphthalate	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Chlorophenyl-phenylether	330	340000 U	6900 U	380 U	1700 U	3800 U
Fluorene	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Nitroaniline	800	830000 U	17000 U	910 U	4100 U	9600 U
4,6-Dinitro-2-methylphenol	800	830000 U	17000 U	910 U	4100 U	9600 U
N-Nitrosodiphenylamine	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Bromophenyl-phenylether	330	340000 U	6900 U	380 U	1700 U	3800 U
Hexachlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
Pentachlorophenol	800	830000 U	17000 U	910 U	4100 U	9600 U
Phenanthrene	330	340000 U	790 J	380 U	490 J	3800 U
Anthracene	330	340000 U	6900 U	380 U	1700 U	3800 U
Carbazole	330	340000 U	6900 U	380 U	1700 U	3800 U
Di-n-butylphthalate	330	340000 U	6900 U	82 BJ	1700 U	3800 U
Fluoranthene	330	340000 U	1100 J	380 U	1700 U	3800 U
Pyrene	330	340000 U	6900 U	380 U	1700 U	3800 U
Butylbenzylphthalate	330	340000 U	6900 U	380 U	1700 U	3800 U
3,3'-Dichlorobenzidine	330	340000 U	6900 U	380 U	1700 U	3800 U
Benzo(a)Anthracene	330	340000 U	6900 U	380 U	1700 U	3800 U
Chrysene	330	340000 U	6900 U	380 U	1700 U	3800 U
bis(2-Ethylhexyl)phthalate	330	340000 U	6900 U	380 U	1700 U	3800 U
Di-n-octylphthalate	330	340000 U	6900 U	380 U	1700 U	3800 U
Benzo(b)Fluoranthene	330	340000 U	6900 U	380 U	1700 U	3800 U
Benzo(k)Fluoranthene	330	340000 U	6900 U	380 U	1700 U	3800 U
Benzo(a)Pyrene	330	340000 U	6900 U	380 U	1700 U	3800 U
Indeno(1,2,3-c,d)Pyrene	330	340000 U	6900 U	380 U	1700 U	3800 U
Dibenz(a,h)Anthracene	330	340000 U	6900 U	380 U	1700 U	3800 U
Benzo(g,h,i)perylene	330	340000 U	6900 U	380 U	1700 U	3800 U
Dilution Factor:		1000	20.0	1.00	5.00	10.0
Percent Solids:		96	95	88	97	87
Associated Method Blank:		K2938	K2938	K2938	K2938	K2938
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/03/92	11/30/92	12/03/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL					
Phenol	330	340000 U	6900 U	380 U	1700 U	3800 U
bis(2-Chloroethyl)ether	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Chlorophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
1,3-Dichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
1,4-Dichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
1,2-Dichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Methylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2,2'-oxybis(1-Chloropropane)	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Methylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
N-Nitroso-di-n-propylamine	330	340000 U	6900 U	380 U	1700 U	3800 U
Hexachloroethane	330	340000 U	6900 U	380 U	1700 U	3800 U
Nitrobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
Isophorone	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Nitrophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4-Dimethylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
bis(2-Chloroethoxy)methane	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4-Dichlorophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
1,2,4-Trichlorobenzene	330	340000 U	6900 U	380 U	1700 U	3800 U
Naphthalene	330	340000 U	6900 U	380 U	240 JJ	3800 U
4-Chloroaniline	330	340000 U	6900 U	380 U	1700 U	3800 U
Hexachlorobutadiene	330	340000 U	6900 U	380 U	1700 U	3800 U
4-Chloro-3-Methylphenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Methylnaphthalene	330	320000 JJ	6900 U	380 U	1700 U	3800 U
Hexachlorocyclopentadiene	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4,6-Trichlorophenol	330	340000 U	6900 U	380 U	1700 U	3800 U
2,4,5-Trichlorophenol	800	830000 U	17000 U	910 U	4100 U	9600 U
2-Chloronaphthalene	330	340000 U	6900 U	380 U	1700 U	3800 U
2-Nitroaniline	800	830000 U	17000 U	910 U	4100 U	9600 U
Dimethylphthalate	330	340000 U	6900 U	380 U	1700 U	3800 U
Acenaphthylene	330	340000 U	6900 U	380 U	1700 U	3800 U
2,6-Dinitrotoluene	330	340000 U	6900 U	380 U	1700 U	3800 U

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 2
Validation / Summary Table

SAMPLE LOCATION:		WRDS101XXX92XX		WRDS102XXX92XX		WRDS103XXX92XX		WRDS104XXX92XX		WRDS105XXX92XX
LAB NUMBER:		930110-1 #		930110-2 #		930110-3 #		930110-4 #		930110-5 #
DATE SAMPLED:		10/28/92		10/28/92		10/28/92		10/28/92		10/28/92
DATE EXTRACTED:		11/03/92		11/03/92		11/03/92		11/03/92		11/03/92
DATE ANALYZED:		12/03/92		12/03/92		11/30/92		12/03/92		11/30/92
ANALYTE	SOW-3/90 - II CRQL									
3-Nitroaniline	800	830000	U	17000	U	910	U	4100	U	9600 U
Acenaphthene	330	340000	U	6900	U	380	U	1700	U	3800 U
2,4-Dinitrophenol	800	830000	U	17000	U	910	U	4100	U	9600 U
4-Nitrophenol	800	830000	U	17000	U	910	U	4100	U	9600 U
Dibenzofuran	330	340000	U	6900	U	380	U	1700	U	3800 U
2,4-Dinitrotoluene	330	340000	U	6900	U	380	U	1700	U	3800 U
Diethylphthalate	330	340000	U	6900	U	380	U	1700	U	3800 U
4-Chlorophenyl-phenylether	330	340000	U	6900	U	380	U	1700	U	3800 U
Fluorene	330	340000	U	6900	U	380	U	1700	U	3800 U
4-Nitroaniline	800	830000	U	17000	U	910	U	4100	U	9600 U
4,6-Dinitro-2-methylphenol	800	830000	U	17000	U	910	U	4100	U	9600 U
N-Nitrosodiphenylamine	330	340000	U	6900	U	380	U	1700	U	3800 U
4-Bromophenyl-phenylether	330	340000	U	6900	U	380	U	1700	U	3800 U
Hexachlorobenzene	330	340000	U	6900	U	380	U	1700	U	3800 U
Pentachlorophenol	800	830000	U	17000	U	910	U	4100	U	9600 U
Phenanthrene	330	340000	U	790	JJ	380	U	490	JJ	3800 U
Anthracene	330	340000	U	6900	U	380	U	1700	U	3800 U
Carbazole	330	340000	U	6900	U	380	U	1700	U	3800 U
Di-n-butylphthalate	330	340000	U	6900	U	380	U	1700	U	3800 U
Fluoranthene	330	340000	U	1100	JJ	380	U	1700	U	3800 U
Pyrene	330	340000	U	6900	U	380	U	1700	U	3800 U
Butylbenzylphthalate	330	340000	U	6900	U	380	U	1700	U	3800 U
3,3'-Dichlorobenzidine	330	340000	U	6900	U	380	U	1700	U	3800 U
Benzo(a)Anthracene	330	340000	U	6900	U	380	U	1700	U	3800 U
Chrysene	330	340000	U	6900	U	380	U	1700	U	3800 U
bis(2-Ethylhexyl)phthalate	330	340000	U	6900	U	380	U	1700	U	3800 U
Di-n-octylphthalate	330	340000	U	6900	U	380	U	1700	U	3800 U
Benzo(b)Fluoranthene	330	340000	U	6900	U	380	U	1700	U	3800 U
Benzo(k)Fluoranthene	330	340000	U	6900	U	380	U	1700	U	3800 U
Benzo(a)Pyrene	330	340000	U	6900	U	380	U	1700	U	3800 U
Indeno(1,2,3-c,d)Pyrene	330	340000	U	6900	U	380	U	1700	U	3800 U
Dibenz(a,h)Anthracene	330	340000	U	6900	U	380	U	1700	U	3800 U
Benzo(g,h,i)perylene	330	340000	U	6900	U	380	U	1700	U	3800 U
Dilution Factor:		1000		20.0		1.00		5.00		10.0
Percent Solids:		96		95		88		97		87
Associated Method Blank:		K2938		K2938		K2938		K2938		K2938
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX
Associated Field Blank:		-		-		-		-		-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
DATE ANALYZED:	12/03/92	12/03/92	11/30/92	12/03/92	11/30/92

ANALYTE	SOW-3/90 - II CRQL					
Phenol	330	-	-	-	-	-
bis(2-Chloroethyl)ether	330	-	-	-	-	-
2-Chlorophenol	330	-	-	-	-	-
1,3-Dichlorobenzene	330	-	-	-	-	-
1,4-Dichlorobenzene	330	-	-	-	-	-
1,2-Dichlorobenzene	330	-	-	-	-	-
2-Methylphenol	330	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	330	-	-	-	-	-
4-Methylphenol	330	-	-	-	-	-
N-Nitroso-di-n-propylamine	330	-	-	-	-	-
Hexachloroethane	330	-	-	-	-	-
Nitrobenzene	330	-	-	-	-	-
Isophorone	330	-	-	-	-	-
2-Nitrophenol	330	-	-	-	-	-
2,4-Dimethylphenol	330	-	-	-	-	-
bis(2-Chloroethoxy)methane	330	-	-	-	-	-
2,4-Dichlorophenol	330	-	-	-	-	-
1,2,4-Trichlorobenzene	330	-	-	-	-	-
Naphthalene	330	-	-	-	240 JJ	-
4-Chloroaniline	330	-	-	-	-	-
Hexachlorobutadiene	330	-	-	-	-	-
4-Chloro-3-Methylphenol	330	-	-	-	-	-
2-Methylnaphthalene	330	320000 JJ	-	-	-	-
Hexachlorocyclopentadiene	330	-	-	-	-	-
2,4,6-Trichlorophenol	330	-	-	-	-	-
2,4,5-Trichlorophenol	800	-	-	-	-	-
2-Chloronaphthalene	330	-	-	-	-	-
2-Nitroaniline	800	-	-	-	-	-
Dimethylphthalate	330	-	-	-	-	-
Acenaphthylene	330	-	-	-	-	-
2,6-Dinitrotoluene	330	-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 3
Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	11/03/92
	DATE ANALYZED:	12/03/92	12/03/92	11/30/92	12/03/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL					
3-Nitroaniline	800	-	-	-	-	-
Acenaphthene	330	-	-	-	-	-
2,4-Dinitrophenol	800	-	-	-	-	-
4-Nitrophenol	800	-	-	-	-	-
Dibenzofuran	330	-	-	-	-	-
2,4-Dinitrotoluene	330	-	-	-	-	-
Diethylphthalate	330	-	-	-	-	-
4-Chlorophenyl-phenylether	330	-	-	-	-	-
Fluorene	330	-	-	-	-	-
4-Nitroaniline	800	-	-	-	-	-
4,6-Dinitro-2-methylphenol	800	-	-	-	-	-
N-Nitrosodiphenylamine	330	-	-	-	-	-
4-Bromophenyl-phenylether	330	-	-	-	-	-
Hexachlorobenzene	330	-	-	-	-	-
Pentachlorophenol	800	-	-	-	-	-
Phenanthrene	330	-	790 JJ	-	490 JJ	-
Anthracene	330	-	-	-	-	-
Carbazole	330	-	-	-	-	-
Di-n-butylphthalate	330	-	-	-	-	-
Fluoranthene	330	-	1100 JJ	-	-	-
Pyrene	330	-	-	-	-	-
Butylbenzylphthalate	330	-	-	-	-	-
3,3'-Dichlorobenzidine	330	-	-	-	-	-
Benzo(a)Anthracene	330	-	-	-	-	-
Chrysene	330	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	330	-	-	-	-	-
Di-n-octylphthalate	330	-	-	-	-	-
Benzo(b)Fluoranthene	330	-	-	-	-	-
Benzo(k)Fluoranthene	330	-	-	-	-	-
Benzo(a)Pyrene	330	-	-	-	-	-
Indeno(1,2,3-c,d)Pyrene	330	-	-	-	-	-
Dibenz(a,h)Anthracene	330	-	-	-	-	-
Benzo(g,h,i)perylene	330	-	-	-	-	-
Dilution Factor:		1000	20.0	1.00	5.00	10.0
Percent Solids:		96	95	88	97	87
Associated Method Blank:		K2938	K2938	K2938	K2938	K2938
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/19/92	11/19/92
	DATE ANALYZED:	12/17/92	12/17/92	12/17/92	12/17/92
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endrin Aldehyde	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5	0.5 U	0.5 U	0.5 U	0.5 U
Endrin Ketone	0.1	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	5	5 U	5 U	5 U	5 U
Aroclor-1016	1	1 U	1 U	1 U	1 U
Aroclor-1221	2	2 U	2 U	2 U	2 U
Aroclor-1232	1	1 U	1 U	1 U	1 U
Aroclor-1242	1	1 U	1 U	1 U	1 U
Aroclor-1248	1	1 U	1 U	1 U	1 U
Aroclor-1254	1	1 U	1 U	1 U	1 U
Aroclor-1260	1	1 U	1 U	1 U	1 U
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		W185-2	W185-2	W185-2	W185-2
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/19/92	11/19/92
	DATE ANALYZED:	12/17/92	12/17/92	12/17/92	12/17/92
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
beta-BHC	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
delta-BHC	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
gamma-BHC (Lindane)	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Aldrin	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor Epoxide	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Endosulfan I	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Dieldrin	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan II	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDD	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan Sulfate	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDT	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Methoxychlor	0.5	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Endrin Ketone	0.1	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
alpha-Chlordane	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
gamma-Chlordane	0.05	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Toxaphene	5	5 UJ	5 UJ	5 UJ	5 UJ
Aroclor-1016	1	1 UJ	1 UJ	1 UJ	1 UJ
Aroclor-1221	2	2 UJ	2 UJ	2 UJ	2 UJ
Aroclor-1232	1	1 UJ	1 UJ	1 UJ	1 UJ
Aroclor-1242	1	1 UJ	1 UJ	1 UJ	1 UJ
Aroclor-1248	1	1 UJ	1 UJ	1 UJ	1 UJ
Aroclor-1254	1	1 UJ	1 UJ	1 UJ	1 UJ
Aroclor-1260	1	1 UJ	1 UJ	1 UJ	1 UJ
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		W185-2	W185-2	W185-2	W185-2
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 3
Summary Table

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE EXTRACTED:	11/19/92	11/19/92	11/19/92	11/19/92
	DATE ANALYZED:	12/17/92	12/17/92	12/17/92	12/17/92
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	0.05	-	-	-	-
beta-BHC	0.05	-	-	-	-
delta-BHC	0.05	-	-	-	-
gamma-BHC (Lindane)	0.05	-	-	-	-
Heptachlor	0.05	-	-	-	-
Aldrin	0.05	-	-	-	-
Heptachlor Epoxide	0.05	-	-	-	-
Endosulfan I	0.05	-	-	-	-
Dieldrin	0.1	-	-	-	-
4,4'-DDE	0.1	-	-	-	-
Endrin	0.1	-	-	-	-
Endosulfan II	0.1	-	-	-	-
4,4'-DDD	0.1	-	-	-	-
Endrin Aldehyde	0.1	-	-	-	-
Endosulfan Sulfate	0.1	-	-	-	-
4,4'-DDT	0.1	-	-	-	-
Methoxychlor	0.5	-	-	-	-
Endrin Ketone	0.1	-	-	-	-
alpha-Chlordane	0.05	-	-	-	-
gamma-Chlordane	0.05	-	-	-	-
Toxaphene	5	-	-	-	-
Aroclor-1016	1	-	-	-	-
Aroclor-1221	2	-	-	-	-
Aroclor-1232	1	-	-	-	-
Aroclor-1242	1	-	-	-	-
Aroclor-1248	1	-	-	-	-
Aroclor-1254	1	-	-	-	-
Aroclor-1260	1	-	-	-	-
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		W185-2	W185-2	W185-2	W185-2
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

SAMPLE LOCATION:		WRQS002XXX92XX	WRQS101XXX92XX
LAB NUMBER:		930185-5	930101-6
DATE SAMPLED:		11/16/92	10/27/92
DATE EXTRACTED:		11/19/92	11/02/92
DATE ANALYZED:		12/17/92	12/04/92
ANALYTE	SOW-3/90 - II CRQL		
alpha-BHC	0.05	0.05 U	0.1 U
beta-BHC	0.05	0.05 U	0.1 U
delta-BHC	0.05	0.05 U	0.1 U
gamma-BHC (Lindane)	0.05	0.05 U	0.1 U
Heptachlor	0.05	0.05 U	0.1 U
Aldrin	0.05	0.05 U	0.1 U
Heptachlor Epoxide	0.05	0.05 U	0.1 U
Endosulfan I	0.05	0.05 U	0.1 U
Dieldrin	0.1	0.1 U	0.2 U
4,4'-DDE	0.1	0.1 U	0.2 U
Endrin	0.1	0.1 U	0.2 U
Endosulfan II	0.1	0.1 U	0.2 U
4,4'-DDD	0.1	0.1 U	0.2 U
Endrin Aldehyde	0.1	0.1 U	0.2 U
Endosulfan Sulfate	0.1	0.1 U	0.2 U
4,4'-DDT	0.1	0.1 U	0.2 U
Methoxychlor	0.5	0.5 U	1 U
Endrin Ketone	0.1	0.1 U	0.2 U
alpha-Chlordane	0.05	0.05 U	0.1 U
gamma-Chlordane	0.05	0.05 U	0.1 U
Toxaphene	5	5 U	10 U
Aroclor-1016	1	1 U	2 U
Aroclor-1221	2	2 U	4 U
Aroclor-1232	1	1 U	2 U
Aroclor-1242	1	1 U	2 U
Aroclor-1248	1	1 U	2 U
Aroclor-1254	1	1 U	2 U
Aroclor-1260	1	1 U	2 U
Dilution Factor:		1.00	2.00
Associated Method Blank:		-	W101-103-1
Associated Equipment Blank:		-	-
Associated Field Blank:		-	-

Site: EQUIPMENT RINSATE
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS
J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRSS101XXX92XX	WRSS101XXX92XX	WRSS102XXX92XX	WRSS102XXX92XX
	LAB NUMBER:	930110-6 #	930110-6 D #	930110-7 #	930110-7 D #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92
	DATE ANALYZED:	12/11/92	12/11/92	12/11/92	12/11/92
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	1.7	5.7 JP	270 U	30 U	300 U
beta-BHC	1.7	27 U	270 U	30 U	300 U
delta-BHC	1.7	27 U	64 JP	30 U	300 U
gamma-BHC (Lindane)	1.7	27 U	270 U	46 P	300 U
Heptachlor	1.7	4.6 JP	270 U	3.5 JP	300 U
Aldrin	1.7	27 U	270 U	30 U	300 U
Heptachlor Epoxide	1.7	27 U	270 U	30 U	300 U
Endosulfan I	1.7	27 U	270 U	13 JP	300 U
Dieldrin	3.3	140 P	520 U	59 U	590 U
4,4'-DDE	3.3	1600	1600	1800	160 JP
Endrin	3.3	52 U	520 U	59 U	590 U
Endosulfan II	3.3	46 JP	520 U	59 U	590 U
4,4'-DDD	3.3	500 J	520 U	440 P	720 P
Endrin Aldehyde	3.3	49 JP	520 U	59 U	590 U
Endosulfan Sulfate	3.3	52 U	520 U	59 U	590 U
4,4'-DDT	3.3	3200 P	2700 P	4700 P	5500 P
Methoxychlor	17	270 U	2700 U	300 U	3000 U
Endrin Ketone	3.3	52 U	520 U	59 U	590 U
alpha-Chlordane	1.7	220 P	270 U	30 U	300 U
gamma-Chlordane	1.7	37 P	270 U	16 JP	300 U
Toxaphene	170	2700 U	27000 U	3000 U	30000 U
Aroclor-1016	33	520 U	5200 U	590 U	5900 U
Aroclor-1221	67	1000 U	10000 U	1200 U	12000 U
Aroclor-1232	33	520 U	5200 U	590 U	5900 U
Aroclor-1242	33	520 U	5200 U	590 U	5900 U
Aroclor-1248	33	520 U	5200 U	590 U	5900 U
Aroclor-1254	33	14000	5200 U	590 U	5900 U
Aroclor-1260	33	520 U	5200 U	590 U	5900 U
Dilution Factor:		10.0	100	10.0	100
Percent Solids:		64	64	56	56
Associated Method Blank:		S110-2	S110-2	S110-2	S110-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

SAMPLE LOCATION:		WRSS101XXX92XX		WRSS102XXX92XX	
LAB NUMBER:		930110-6 #		930110-7 #	
DATE SAMPLED:		10/28/92		10/28/92	
DATE EXTRACTED:		11/03/92		11/03/92	
DATE ANALYZED:		12/11/92		12/11/92	
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	1.7	5.7	JJ	30	U
beta-BHC	1.7	27	U	30	U
delta-BHC	1.7	27	U	30	U
gamma-BHC (Lindane)	1.7	27	U	46	J
Heptachlor	1.7	4.6	JJ	3.5	JJ
Aldrin	1.7	27	U	30	U
Heptachlor Epoxide	1.7	27	U	30	U
Endosulfan I	1.7	27	U	13	JJ
Dieldrin	3.3	140	J	59	U
4,4'-DDE	3.3	1600		1800	
Endrin	3.3	52	UR	59	U
Endosulfan II	3.3	46	JJ	59	U
4,4'-DDD	3.3	500	JJ	440	J
Endrin Aldehyde	3.3	49	NJ	59	U
Endosulfan Sulfate	3.3	52	U	59	U
4,4'-DDT	3.3	2700	J	5500	J
Methoxychlor	17	270	U	300	U
Endrin Ketone	3.3	52	U	59	U
alpha-Chlordane	1.7	220	J	30	U
gamma-Chlordane	1.7	37	J	16	JJ
Toxaphene	170	2700	U	3000	U
Aroclor-1016	33	520	U	590	U
Aroclor-1221	67	1000	U	1200	U
Aroclor-1232	33	520	U	590	U
Aroclor-1242	33	520	U	590	U
Aroclor-1248	33	520	U	590	U
Aroclor-1254	33	14000		590	U
Aroclor-1260	33	520	U	590	U
Dilution Factor:		10.0		10.0	
Percent Solids:		64		56	
Associated Method Blank:		S110-2		S110-2	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-	

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 3
Summary Table

SAMPLE LOCATION:		WRSS101XXX92XX		WRSS102XXX92XX	
LAB NUMBER:		930110-6 #		930110-7 #	
DATE SAMPLED:		10/28/92		10/28/92	
DATE EXTRACTED:		11/03/92		11/03/92	
DATE ANALYZED:		12/11/92		12/11/92	
ANALYTE	SOW-3/90 - II CRQL				
alpha-BHC	1.7	5.7	JJ	-	
beta-BHC	1.7	-		-	
delta-BHC	1.7	-		-	
gamma-BHC (Lindane)	1.7	-		46	J
Heptachlor	1.7	4.6	JJ	3.5	JJ
Aldrin	1.7	-		-	
Heptachlor Epoxide	1.7	-		-	
Endosulfan I	1.7	-		13	JJ
Dieldrin	3.3	140	J	-	
4,4'-DDE	3.3	1600		1800	
Endrin	3.3		R	-	
Endosulfan II	3.3	46	JJ	-	
4,4'-DDD	3.3	500	JJ	440	J
Endrin Aldehyde	3.3	49	NJ	-	
Endosulfan Sulfate	3.3	-		-	
4,4'-DDT	3.3	2700	J	5500	J
Methoxychlor	17	-		-	
Endrin Ketone	3.3	-		-	
alpha-Chlordane	1.7	220	J	-	
gamma-Chlordane	1.7	37	J	16	JJ
Toxaphene	170	-		-	
Aroclor-1016	33	-		-	
Aroclor-1221	67	-		-	
Aroclor-1232	33	-		-	
Aroclor-1242	33	-		-	
Aroclor-1248	33	-		-	
Aroclor-1254	33	14000		-	
Aroclor-1260	33	-		-	
Dilution Factor:		10.0		10.0	
Percent Solids:		64		56	
Associated Method Blank:		S110-2		S110-2	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-	

Site: SURFACE SOIL
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	930101-2 #	930101-1 #	930101-1 D #	930101-3 #	930101-4 #	930101-5 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92
	DATE ANALYZED:	12/05/92	12/04/92	12/03/92	12/05/92	11/30/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL						
alpha-BHC	1.7	34 U	36 U	360 U	12 U	3.6 U	3.8 U
beta-BHC	1.7	34 U	36 U	360 U	17	3.6 U	3.8 U
delta-BHC	1.7	5.4 JP	28 JP	49 JP	1.8 JP	3.6 U	0.91 JP
gamma-BHC (Lindane)	1.7	34 U	36 U	360 U	12 U	3.6 U	3.8 U
Heptachlor	1.7	34 U	130	360 U	12 U	0.71 JP	3.8 U
Aldrin	1.7	34 U	36 U	360 U	12 U	3.6 U	3.8 U
Heptachlor Epoxide	1.7	34 U	36 U	360 U	12 U	3.6 U	3.8 U
Endosulfan I	1.7	34 U	36 U	360 U	12 U	3.6 U	3.8 U
Dieldrin	3.3	66 U	70 U	700 U	10 JP	7 U	7.3 U
4,4'-DDE	3.3	66 U	320 P	250 JP	23 JP	46	20
Endrin	3.3	66 U	70 U	700 U	24 U	7 U	7.3 U
Endosulfan II	3.3	66 U	70 U	700 U	3.9 JP	7 U	7.3 U
4,4'-DDD	3.3	66 U	41 JP	700 U	24 U	7 U	7.3 U
Endrin Aldehyde	3.3	66 U	11 JP	700 U	24 U	7 U	7.3 U
Endosulfan Sulfate	3.3	66 U	70 U	700 U	24 U	7 U	7.3 U
4,4'-DDT	3.3	66 U	150 P	83 JP	69 P	7.6 P	8.6 JP
Methoxychlor	17	340 U	360 U	3600 U	120 U	36 U	38 U
Endrin Ketone	3.3	66 U	70 U	700 U	7.2 JP	7 U	7.3 U
alpha-Chlordane	1.7	34 U	36 U	360 U	11 JP	3.6 U	3.8 U
gamma-Chlordane	1.7	34 U	36 U	360 U	2 JP	3.6 U	3.8 U
Toxaphene	170	3400 U	3600 U	36000 U	1200 U	360 U	380 U
Aroclor-1016	33	660 U	700 U	7000 U	240 U	70 U	73 U
Aroclor-1221	67	1300 U	1400 U	14000 U	490 U	140 U	150 U
Aroclor-1232	33	660 U	700 U	7000 U	240 U	70 U	73 U
Aroclor-1242	33	660 U	700 U	7000 U	240 U	70 U	73 U
Aroclor-1248	33	660 U	700 U	7000 U	240 U	70 U	73 U
Aroclor-1254	33	660 U	700 U	7000 U	930	70 U	73 U
Aroclor-1260	33	660 U	700 U	7000 U	240 U	70 U	73 U
Dilution Factor:		10.0	10.0	100	5.00	1.00	1.00
Percent Solids:		50	47	47	69	47	45
Associated Method Blank:		S101,112-2	S101,112-2	S101,112-2	S101,112-2	S101,112-2	S101,112-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	930101-2 #	930101-1 #	930101-3 #	930101-4 #	930101-5 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92
	DATE ANALYZED:	12/05/92	12/04/92	12/05/92	11/30/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	1.7	34 U	36 UJ	12 U	3.6 UJ	3.8 UJ
beta-BHC	1.7	34 UJ	36 UJ	17 J	3.6 UJ	3.8 UJ
delta-BHC	1.7	5.4 JJ	28 JJ	1.8 JJ	3.6 UJ	0.91 JJ
gamma-BHC (Lindane)	1.7	34 UJ	36 UJ	12 UJ	3.6 UJ	3.8 UJ
Heptachlor	1.7	34 UJ	130 J	12 U	0.71 JJ	3.8 UJ
Aldrin	1.7	34 U	36 UJ	12 U	3.6 UJ	3.8 UJ
Heptachlor Epoxide	1.7	34 U	36 UJ	12 U	3.6 UJ	3.8 UJ
Endosulfan I	1.7	34 U	36 UJ	12 U	3.6 UJ	3.8 UJ
Dieldrin	3.3	66 U	70 UJ	10 JJ	7 UJ	7.3 UJ
4,4'-DDE	3.3	66 UJ	320 J	23 JJ	46 J	20 J
Endrin	3.3	66 UJ	70 UR	24 UR	7 UJ	7.3 UJ
Endosulfan II	3.3	66 U	70 UJ	3.9 JJ	7 UJ	7.3 UJ
4,4'-DDD	3.3	66 U	41 JJ	24 U	7 UJ	7.3 UJ
Endrin Aldehyde	3.3	66 U	11 NJ	24 U	7 UJ	7.3 UJ
Endosulfan Sulfate	3.3	66 U	70 UJ	24 U	7 UJ	7.3 UJ
4,4'-DDT	3.3	66 UJ	150 J	69 J	7.6 J	8.6 JJ
Methoxychlor	17	340 U	360 UJ	120 U	36 UJ	38 UJ
Endrin Ketone	3.3	66 U	70 UJ	7.2 NJJ	7 UJ	7.3 UJ
alpha-Chlordane	1.7	34 U	36 UJ	11 JJ	3.6 UJ	3.8 UJ
gamma-Chlordane	1.7	34 U	36 UJ	2 JJ	3.6 UJ	3.8 UJ
Toxaphene	170	3400 U	3600 UJ	1200 U	360 UJ	380 UJ
Aroclor-1016	33	660 U	700 UJ	240 U	70 UJ	73 UJ
Aroclor-1221	67	1300 U	1400 UJ	490 U	140 UJ	150 UJ
Aroclor-1232	33	660 U	700 UJ	240 U	70 UJ	73 UJ
Aroclor-1242	33	660 U	700 UJ	240 U	70 UJ	73 UJ
Aroclor-1248	33	660 U	700 UJ	240 U	70 UJ	73 UJ
Aroclor-1254	33	660 U	700 UJ	930	70 UJ	73 UJ
Aroclor-1260	33	660 U	700 UJ	240 U	70 UJ	73 UJ
Dilution Factor:		10.0	10.0	5.00	1.00	1.00
Percent Solids:		50	47	69	47	45
Associated Method Blank:		S101,112-2	S101,112-2	S101,112-2	S101,112-2	S101,112-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 3
Summary Table

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	930101-2 #	930101-1 #	930101-3 #	930101-4 #	930101-5 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
	DATE EXTRACTED:	10/31/92	10/31/92	10/31/92	10/31/92	10/31/92
	DATE ANALYZED:	12/05/92	12/04/92	12/05/92	11/30/92	11/30/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	1.7	-	-	-	-	-
beta-BHC	1.7	-	-	17 J	-	-
delta-BHC	1.7	5.4 JJ	28 JJ	1.8 JJ	-	0.91 JJ
gamma-BHC (Lindane)	1.7	-	-	-	-	-
Heptachlor	1.7	-	130 J	-	0.71 JJ	-
Aldrin	1.7	-	-	-	-	-
Heptachlor Epoxide	1.7	-	-	-	-	-
Endosulfan I	1.7	-	-	-	-	-
Dieldrin	3.3	-	-	10 JJ	-	-
4,4'-DDE	3.3	-	320 J	23 JJ	46 J	20 J
Endrin	3.3	-	R	R	-	-
Endosulfan II	3.3	-	-	3.9 JJ	-	-
4,4'-DDD	3.3	-	41 JJ	-	-	-
Endrin Aldehyde	3.3	-	11 NJ	-	-	-
Endosulfan Sulfate	3.3	-	-	-	-	-
4,4'-DDT	3.3	-	150 J	69 J	7.6 J	8.6 JJ
Methoxychlor	17	-	-	-	-	-
Endrin Ketone	3.3	-	-	7.2 NJJ	-	-
alpha-Chlordane	1.7	-	-	11 JJ	-	-
gamma-Chlordane	1.7	-	-	2 JJ	-	-
Toxaphene	170	-	-	-	-	-
Aroclor-1016	33	-	-	-	-	-
Aroclor-1221	67	-	-	-	-	-
Aroclor-1232	33	-	-	-	-	-
Aroclor-1242	33	-	-	-	-	-
Aroclor-1248	33	-	-	-	-	-
Aroclor-1254	33	-	-	930	-	-
Aroclor-1260	33	-	-	-	-	-
Dilution Factor:		10.0	10.0	5.00	1.00	1.00
Percent Solids:		50	47	69	47	45
Associated Method Blank:		S101,112-2	S101,112-2	S101,112-2	S101,112-2	S101,112-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: WASTE PILE
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	10/29/92
	DATE ANALYZED:	12/11/92	12/11/92	12/11/92	12/11/92	12/11/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	1.7	24 JP	19 JP	1.9 U	18 U	2 U
beta-BHC	1.7	170 U	44 U	1.9 U	18 U	2 U
delta-BHC	1.7	170 U	44 U	1.9 U	18 U	2 U
gamma-BHC (Lindane)	1.7	170 U	44 U	1.9 U	18 U	2 U
Heptachlor	1.7	170 U	44 U	1.9 U	18 U	2 U
Aldrin	1.7	170 U	44 U	1.9 U	18 U	2 U
Heptachlor Epoxide	1.7	50 JP	39 JP	1.9 U	13 JP	2 U
Endosulfan I	1.7	170 U	26 JP	1.9 U	12 JP	2 U
Dieldrin	3.3	350 U	88 U	3.8 U	8.9 JP	3.8 U
4,4'-DDE	3.3	350 U	19 JP	3.8 U	11 JP	3.8 U
Endrin	3.3	350 U	55 JP	3.8 U	10 JP	3.8 U
Endosulfan II	3.3	350 U	28 JP	3.8 U	34 U	3.8 U
4,4'-DDD	3.3	150 JP	26 JP	3.8 U	16 JP	3.8 U
Endrin Aldehyde	3.3	350 U	88 U	3.8 U	9.1 JP	3.8 U
Endosulfan Sulfate	3.3	350 U	88 U	3.8 U	34 U	3.8 U
4,4'-DDT	3.3	450 P	88 U	0.52 JP	34 U	0.8 JP
Methoxychlor	17	1700 U	440 U	19 U	180 U	20 U
Endrin Ketone	3.3	350 U	110	3.8 U	34 U	3.8 U
alpha-Chlordane	1.7	66 JP	44 U	1.9 U	7.4 JP	2 U
gamma-Chlordane	1.7	72 JP	20 JP	1.9 U	14 J	2 U
Toxaphene	170	17000 U	4400 U	190 U	1800 U	200 U
Aroclor-1016	33	3500 U	880 U	38 U	340 U	38 U
Aroclor-1221	67	6900 U	1800 U	76 U	690 U	77 U
Aroclor-1232	33	3500 U	880 U	38 U	340 U	38 U
Aroclor-1242	33	3500 U	880 U	38 U	340 U	38 U
Aroclor-1248	33	3500 U	880 U	38 U	340 U	38 U
Aroclor-1254	33	3500 U	880 U	38 U	400 P	38 U
Aroclor-1260	33	3500 U	880 U	38 U	340 U	38 U
Dilution Factor:		10.0	5.00	1.00	10.0	1.00
Percent Solids:		96	95	88	97	87
Associated Method Blank:		S110-2	S110-2	S110-2	S110-2	S110-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	10/29/92
	DATE ANALYZED:	12/11/92	12/11/92	12/11/92	12/11/92	12/11/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	1.7	24 JJ	19 JJ	1.9 U	18 U	2 U
beta-BHC	1.7	170 U	44 UJ	1.9 U	18 U	2 U
delta-BHC	1.7	170 U	44 UJ	1.9 U	18 U	2 U
gamma-BHC (Lindane)	1.7	170 U	44 UJ	1.9 U	18 U	2 U
Heptachlor	1.7	170 U	44 UJ	1.9 U	18 U	2 U
Aldrin	1.7	170 U	44 UJ	1.9 U	18 U	2 U
Heptachlor Epoxide	1.7	50 JJ	39 JJ	1.9 U	13 JJ	2 U
Endosulfan I	1.7	170 U	26 JJ	1.9 U	12 JJ	2 U
Dieldrin	3.3	350 U	88 UJ	3.8 U	8.9 JJ	3.8 U
4,4'-DDE	3.3	350 U	19 JJ	3.8 U	11 JJ	3.8 U
Endrin	3.3	350 U	55 JJ	3.8 U	10 JJ	3.8 U
Endosulfan II	3.3	350 U	28 JJ	3.8 U	34 U	3.8 U
4,4'-DDD	3.3	150 JJ	26 JJ	3.8 U	16 JJ	3.8 U
Endrin Aldehyde	3.3	350 U	88 UJ	3.8 U	9.1 NJ	3.8 U
Endosulfan Sulfate	3.3	350 U	88 UJ	3.8 U	34 U	3.8 U
4,4'-DDT	3.3	450 J	88 UJ	0.52 JJ	34 U	0.8 JJ
Methoxychlor	17	1700 U	440 UJ	19 U	180 U	20 U
Endrin Ketone	3.3	350 U	110 NJ	3.8 UJ	34 U	3.8 UJ
alpha-Chlordane	1.7	66 JJ	44 UJ	1.9 U	7.4 JJ	2 U
gamma-Chlordane	1.7	72 JJ	20 JJ	1.9 U	14 J	2 U
Toxaphene	170	17000 U	4400 UJ	190 U	1800 U	200 U
Aroclor-1016	33	3500 U	880 UJ	38 U	340 U	38 U
Aroclor-1221	67	6900 U	1800 UJ	76 U	690 U	77 U
Aroclor-1232	33	3500 U	880 UJ	38 U	340 U	38 U
Aroclor-1242	33	3500 U	880 UJ	38 U	340 U	38 U
Aroclor-1248	33	3500 U	880 UJ	38 U	340 U	38 U
Aroclor-1254	33	3500 U	880 UJ	38 U	400 J	38 U
Aroclor-1260	33	3500 U	880 UJ	38 U	340 U	38 U
Dilution Factor:		10.0	5.00	1.00	10.0	1.00
Percent Solids:		96	95	88	97	87
Associated Method Blank:		S110-2	S110-2	S110-2	S110-2	S110-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 3
Summary Table

	SAMPLE LOCATION:	WRDS101XXX92XX	WRDS102XXX92XX	WRDS103XXX92XX	WRDS104XXX92XX	WRDS105XXX92XX
	LAB NUMBER:	930110-1 #	930110-2 #	930110-3 #	930110-4 #	930110-5 #
	DATE SAMPLED:	10/28/92	10/28/92	10/28/92	10/28/92	10/28/92
	DATE EXTRACTED:	11/03/92	11/03/92	11/03/92	11/03/92	10/29/92
	DATE ANALYZED:	12/11/92	12/11/92	12/11/92	12/11/92	12/11/92
ANALYTE	SOW-3/90 - II CRQL					
alpha-BHC	1.7	24 JJ	19 JJ	-	-	-
beta-BHC	1.7	-	-	-	-	-
delta-BHC	1.7	-	-	-	-	-
gamma-BHC (Lindane)	1.7	-	-	-	-	-
Heptachlor	1.7	-	-	-	-	-
Aldrin	1.7	-	-	-	-	-
Heptachlor Epoxide	1.7	50 JP	39 JJ	-	13 JJ	-
Endosulfan I	1.7	-	26 JJ	-	12 JJ	-
Dieldrin	3.3	-	-	-	8.9 JJ	-
4,4'-DDE	3.3	-	19 JJ	-	11 JJ	-
Endrin	3.3	-	55 JJ	-	10 JJ	-
Endosulfan II	3.3	-	28 JJ	-	-	-
4,4'-DDD	3.3	150 JJ	26 JJ	-	16 JJ	-
Endrin Aldehyde	3.3	-	-	-	9.1 NJ	-
Endosulfan Sulfate	3.3	-	-	-	-	-
4,4'-DDT	3.3	450 J	-	0.52 JJ	-	0.8 JJ
Methoxychlor	17	-	-	-	-	-
Endrin Ketone	3.3	-	110 NJ	-	-	-
alpha-Chlordane	1.7	66 JJ	-	-	7.4 JJ	-
gamma-Chlordane	1.7	72 JJ	20 JJ	-	14 J	-
Toxaphene	170	-	-	-	-	-
Aroclor-1016	33	-	-	-	-	-
Aroclor-1221	67	-	-	-	-	-
Aroclor-1232	33	-	-	-	-	-
Aroclor-1242	33	-	-	-	-	-
Aroclor-1248	33	-	-	-	-	-
Aroclor-1254	33	-	-	-	400 J	-
Aroclor-1260	33	-	-	-	-	-
Dilution Factor:		10.0	5.00	1.00	10.0	1.00
Percent Solids:		96	95	88	97	87
Associated Method Blank:		S110-2	S110-2	S110-2	S110-2	S110-2
Associated Equipment Blank:		WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
Associated Field Blank:		-	-	-	-	-

Site: DRUM SAMPLE
#: Level IV Validation J: Estimated B: Blank contamination R: Unusable P: > 25% difference between columns
U: Not detected JJ: Estimated below CRQL D: Diluted result -: Not detected C: Confirmed by GC/MS

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRMW101X1892XD		WRMW101X1892XX		WRMW102X2492XX		WRMW103X2592XX	
	LAB NUMBER:	93018502 #		93018501 #		93018503 #		93018504 #	
	DATE SAMPLED:	11/16/92		11/16/92		11/16/92		11/16/92	
ANALYTE	SOW-3/90 - II CRQL								
Aluminum	200	114	[]	88.1	U	88.1	U	88.1	U
Antimony	60	60.0	U	60.0	U	60.0	U	60.0	U
Arsenic	10	2.7	[]	2.3	U	2.3	U	2.8	[]W
Barium	200	31.0	[]	27.0	[]	30.0	[]	50.0	[]
Beryllium	5	0.80	U	0.80	U	0.80	U	0.80	U
Cadmium	5	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	5000	118000		106000		95100		292000	
Chromium	10	8.1	[]	3.9	U	3.9	U	3.9	U
Cobalt	50	6.4	U	6.4	U	6.4	U	6.4	U
Copper	25	7.7	[]	3.0	U	7.4	[]	10.9	[]
Iron	100	86.0	[]	53.0	[]	28.5	U	28.5	U
Lead	3	2.2	[]	1.7	U	13.5		2.6	[]
Magnesium	5000	42600		39000		39700		142000	
Manganese	15	7.2	[]	4.7	U	6.4	[]	936	
Mercury	0.2	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	40	22.6	[]	10.6	U	12.1	[]	10.6	U
Potassium	5000	4730	[]	4620	[]	2840	[]	53100	
Selenium	5	2.2	UW	2.2	UW	2.2	U	2.2	UW
Silver	10	3.8	U	3.8	U	3.8	U	3.8	U
Sodium	5000	13900		12300		18300		67900	
Thallium	10	3.3	[]	2.8	[]	2.4	[]	2.3	U
Vanadium	50	5.0	U	5.0	U	5.0	U	5.0	U
Zinc	20	149		143		255		430	
Cyanide	10	10.0	U	10.0	U	10.0	U	NR	

Associated Method Blank:	PBMW101	PBMW101	PBMW101	PBMW101
Associated Equipment Blank:	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:	-	-	-	-

Site: MONITORING WELL *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX		WRSS102XXX92XX	
	LAB NUMBER:	93011006 #		93011007 #	
	DATE SAMPLED:	10/28/92		10/28/92	
ANALYTE	SOW-3/90 - II CRQL				
Aluminum	40	7300		12700	
Antimony	12	15.6	UJ	17.7	UJ
Arsenic	2	12.5		8.1	
Barium	40	563	J	302	J
Beryllium	1	0.55	[]	1.0	[]
Cadmium	1	1.7	R	1.7	R
Calcium	1000	225000		248000	
Chromium	2	114	J	185	J
Cobalt	10	21.0	J	11.1	[]J
Copper	5	1090	J	69.1	J
Iron	20	18300	J	18800	J
Lead	0.6	2090	J	295	J
Magnesium	1000	11800		8610	
Manganese	3	663	J	352	J
Mercury	0.04	6.0		2.3	
Nickel	8	195	J	39.1	J
Potassium	1000	1940	R	707	[]R
Selenium	1	0.58	UR	0.64	UR
Silver	2	4.3		1.1	U
Sodium	1000	222	[]	367	[]
Thallium	2	3.4		0.67	U
Vanadium	10	20.1		21.8	
Zinc	4	387	J	248	J
Cyanide	2	3.5	U	3.4	U
Percent Solids:		67		58	
Associated Method Blank:		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-	

Site: SURFACE SOIL *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

PROJECT: NYSDEC PSA-6 Witmer Road Site

Inorganic Soil Analysis (mg/kg)

02/02/93

Table 3
Summary Table

	SAMPLE LOCATION:	WRSS101XXX92XX		WRSS102XXX92XX	
	LAB NUMBER:	93011006 #		93011007 #	
	DATE SAMPLED:	10/28/92		10/28/92	
ANALYTE	SOW-3/90 - II CRQL				
Aluminum	40	7300		12700	
Antimony	12	-		-	
Arsenic	2	12.5		8.1	
Barium	40	563	J	302	J
Beryllium	1	0.55	[]	1.0	[]
Cadmium	1		R		R
Calcium	1000	225000		248000	
Chromium	2	114	J	185	J
Cobalt	10	21.0	J	11.1	[]J
Copper	5	1090	J	69.1	J
Iron	20	18300	J	18800	J
Lead	0.6	2090	J	295	J
Magnesium	1000	11800		8610	
Manganese	3	663	J	352	J
Mercury	0.04	6.0		2.3	
Nickel	8	195	J	39.1	J
Potassium	1000		R		R
Selenium	1		R		R
Silver	2	4.3		-	
Sodium	1000	222	[]	367	[]
Thallium	2	3.4		-	
Vanadium	10	20.1		21.8	
Zinc	4	387	J	248	J
Cyanide	2	-		-	
Percent Solids:		67		58	
Associated Method Blank:		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-	

Site: SURFACE SOIL *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

PROJECT: NYSDEC PSA-6 Witmer Road Site

Inorganic Soil Analysis (mg/kg)

02/02/93

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRWT101XXX92XD		WRWT101XXX92XX		WRWT102XXX92XX		WRWT103XXX92XX		WRWT104XXX92XX	
	LAB NUMBER:	93010102 #		93010101 #		93010103 #		93010104 #		93010105 #	
	DATE SAMPLED:	10/27/92		10/27/92		10/27/92		10/27/92		10/27/92	
ANALYTE	SOW-3/90 - II CRQL										
Aluminum	40	8000		8460		13200		7190		9850	
Antimony	12	22.1	UN	23.2	UN	15.0	UN	22.4	UN	24.5	UN
Arsenic	2	7.4		6.2		3.3		4.9		4.0	
Barium	40	75.4	N	51.0	[]N	247	N	15.7	[]N	18.8	[]N
Beryllium	1	0.77	[]	0.81	[]	0.20	U	0.41	[]	0.77	[]
Cadmium	1	2.6	N*	3.3	N*	1.7	N*	2.3	N*	3.7	N*
Calcium	1000	301000		343000		190000		360000		371000	
Chromium	2	59.9		59.7		1130		49.0		63.6	
Cobalt	10	10.0	[]N	8.1	[]N	6.6	[]N	4.0	[]N	9.6	[]N
Copper	5	32.8		25.8		52.9		14.2		17.4	
Iron	20	12500	E	7220	E	9590	E	4580	E	5130	E
Lead	0.6	187	*	144	*	353	*	21.1	*	22.6	*
Magnesium	1000	8370		9180		37200		13200		9610	
Manganese	3	156	E	128	E	371	E	94.6	E	152	E
Mercury	0.04	0.19	U	0.20	U	0.66		0.19	U	0.23	U
Nickel	8	9.8	[]N	9.0	[]N	13.3	N	4.0	UN	4.7	[]N
Potassium	1000	485	[]	484	[]	588	[]	74.4	U	98.7	[]
Selenium	1	4.0	UN	4.4	UNW	2.7	UNW	4.1	UN	4.3	UN
Silver	2	1.4	U	1.5	U	0.95	U	1.4	U	1.5	U
Sodium	1000	141	[]	108	[]	368	[]	123	[]	88.9	[]
Thallium	2	0.90	[]	0.91	U	0.56	U	0.86	U	0.91	U
Vanadium	10	15.5	[]	12.6	[]	36.1		9.7	[]	10.3	[]
Zinc	4	68.8		37.2		573		11.0		18.3	
Cyanide	2	4.5	U	4.7	U	3.1	U	4.3	U	4.9	U
Percent Solids:		48		45		71		48		44	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: WASTE PILE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

PROJECT: NYSDEC PSA-6 Witmer Road Site

Inorganic Soil Analysis (mg/kg)

02/02/93

Table 2
Validation / Summary Table

ANALYTE	SOW-3/90 - II CRQL	SAMPLE LOCATION: WRWT101XXX92XD LAB NUMBER: 93010102 # DATE SAMPLED: 10/27/92		SAMPLE LOCATION: WRWT101XXX92XX LAB NUMBER: 93010101 # DATE SAMPLED: 10/27/92		SAMPLE LOCATION: WRWT102XXX92XX LAB NUMBER: 93010103 # DATE SAMPLED: 10/27/92		SAMPLE LOCATION: WRWT103XXX92XX LAB NUMBER: 93010104 # DATE SAMPLED: 10/27/92		SAMPLE LOCATION: WRWT104XXX92XX LAB NUMBER: 93010105 # DATE SAMPLED: 10/27/92	
Aluminum	40	8000	J	8460	J	13200		7190	J	9850	J
Antimony	12	22.1	UJ	23.2	UJ	15.0	UJ	22.4	UJ	24.5	UJ
Arsenic	2	7.4	J	6.2	J	3.3		4.9	J	4.0	J
Barium	40	75.4	J	51.0	[]J	247	J	15.7	[]J	18.8	[]J
Beryllium	1	0.77	[]J	0.81	[]J	0.20	U	0.41	[]J	0.77	[]J
Cadmium	1	2.6	R	3.3	R	1.7	R	2.3	R	3.7	R
Calcium	1000	301000	J	343000	J	190000		360000	J	371000	J
Chromium	2	59.9	J	59.7	J	1130	J	49.0	J	63.6	J
Cobalt	10	10.0	[]J	8.1	[]J	6.6	[]J	4.0	[]J	9.6	[]J
Copper	5	32.8	J	25.8	J	52.9	J	14.2	J	17.4	J
Iron	20	12500	J	7220	J	9590	J	4580	J	5130	J
Lead	0.6	187	J	144	R	353	J	21.1	R	22.6	R
Magnesium	1000	8370	J	9180	J	37200		13200	J	9610	J
Manganese	3	156	J	128	J	371	J	94.6	J	152	J
Mercury	0.04	0.19	UJ	0.20	UJ	0.66		0.19	UJ	0.23	UJ
Nickel	8	9.8	[]J	9.0	[]J	13.3	J	4.0	UJ	4.7	[]J
Potassium	1000	485	[]J	484	[]J	588	[]R	74.4	UJ	98.7	[]J
Selenium	1	4.0	UR	4.4	UR	2.7	UR	4.1	UR	4.3	UR
Silver	2	1.4	UJ	1.5	UJ	0.95	U	1.4	UJ	1.5	UJ
Sodium	1000	141	[]J	108	[]J	368	[]	123	[]J	88.9	[]J
Thallium	2	0.90	[]J	0.91	UJ	0.56	U	0.86	UJ	0.91	UJ
Vanadium	10	15.5	[]J	12.6	[]J	36.1		9.7	[]J	10.3	[]J
Zinc	4	68.8	J	37.2	J	573	J	11.0	J	18.3	J
Cyanide	2	4.5	UJ	4.7	UJ	3.1	U	4.3	UJ	4.9	UJ
Percent Solids:		48		45		71		48		44	
Associated Method Blank:		PB101XD		PB101XD		PB101XD		PB101XD		PB101XD	
Associated Equipment Blank:		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX		WRQS101XXX92XX	
Associated Field Blank:		-		-		-		-		-	

Site: WASTE PILE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

PROJECT: NYSDEC PSA-6 Witmer Road Site

Inorganic Soil Analysis (mg/kg)

02/02/93

Table 3
Summary Table

	SAMPLE LOCATION:	WRWT101XXX92XD	WRWT101XXX92XX	WRWT102XXX92XX	WRWT103XXX92XX	WRWT104XXX92XX
	LAB NUMBER:	93010102 #	93010101 #	93010103 #	93010104 #	93010105 #
	DATE SAMPLED:	10/27/92	10/27/92	10/27/92	10/27/92	10/27/92
ANALYTE	SOW-3/90 - II CRQL					
Aluminum	40	8000 J	8460 J	13200	7190 J	9850 J
Antimony	12	-	-	-	-	-
Arsenic	2	7.4 J	6.2 J	3.3	4.9 J	4.0 J
Barium	40	75.4 J	51.0 []J	247 J	15.7 []J	18.8 []J
Beryllium	1	0.77 []J	0.81 []J	-	0.41 []J	0.77 []J
Cadmium	1	R	R	R	R	R
Calcium	1000	301000 J	343000 J	190000	360000 J	371000 J
Chromium	2	59.9 J	59.7 J	1130 J	49.0 J	63.6 J
Cobalt	10	10.0 []J	8.1 []J	6.6 []J	4.0 []J	9.6 []J
Copper	5	32.8 J	25.8 J	52.9 J	14.2 J	17.4 J
Iron	20	12500 J	7220 J	9590 J	4580 J	5130 J
Lead	0.6	187 J	R	353 J	R	R
Magnesium	1000	8370 J	9180 J	37200	13200 J	9610 J
Manganese	3	156 J	128 J	371 J	94.6 J	152 J
Mercury	0.04	-	-	0.66	-	-
Nickel	8	9.8 []J	9.0 []J	13.3 J	-	4.7 []J
Potassium	1000	485 []J	484 []J	R	-	98.7 []J
Selenium	1	R	R	R	R	R
Silver	2	-	-	-	-	-
Sodium	1000	141 []J	108 []J	368 []	123 []J	88.9 []J
Thallium	2	0.90 []J	-	-	-	-
Vanadium	10	15.5 []J	12.6 []J	36.1	9.7 []J	10.3 []J
Zinc	4	68.8 J	37.2 J	573 J	11.0 J	18.3 J
Cyanide	2	-	-	-	-	-
	Percent Solids:	48	45	71	48	44
	Associated Method Blank:	PB101XD	PB101XD	PB101XD	PB101XD	PB101XD
	Associated Equipment Blank:	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX	WRQS101XXX92XX
	Associated Field Blank:	-	-	-	-	-

Site: WASTE PILE *: Duplicate analysis not met +: Coefficient <0.995 []: Less than CRQL
#: Level IV Validation J: Estimated -: Not detected M: Duplicate injection precision not met S: Method of standard additions
U: Not detected R: Unusable E: Interference N: Spike recovery not met W: Post digestion spike not met

SECTION 4.0

ANALYTICAL DATA TABLES

SAMPLE CODE IDENTIFICATION

ABB-ES utilizes a 14-digit sample identification code that represents sample type, sample location, depth of sample (if applicable), and designation of duplicate samples. Each individual soil, groundwater, and sediment samples have been assigned sample identification codes, listed as "Sample Location" on the following data tables. Explanation of the 14-digit system is as follows:

Digits 1 & 2 — Site Code - WR for the Witmer Road Site

Digits 3, 4 — Sample Type - two letter code to identify sample media

SS - Surface Soil
MW - Monitoring Well
DS - Drum Solids
WT - Waste Pile Sample
QT - Trip Blank
QS - Sampler Blank

Digits 5, 6, 7 — Horizontal Sample Locator - three numbers to identify sample location

Example: 101
102

Digits 8, 9, 10 — Depth of Sample Below Ground Surface

Example: 001 foot
125 feet

For MW samples, the depth indicated is assumed to be the bottom of the well screen measured in feet below ground surface.

All samples obtained from the ground surface or from drums or containers will be designated XXX.

Digits 11, 12 — Year of Sampling event: **92**

Digits 13, 14 — XX - sample
XD - duplicate sample

MEMORANDUM

TO: Kathleen Maguire

FROM: Steve Turner

DATE: February 2, 1993

SUBJECT: Data Usability Report - Witmer Road Site

This memo summarizes the usability of the analytical results generated for the Witmer Road Site. Laboratory analyses were performed in accordance with the NYSDEC Analytical Services Protocol (ASP), and the data were validated using the criteria specified by USEPA Region II, modified to include NYSDEC requirements. A detailed evaluation of the laboratory quality control results is attached.

Usability is based on validated sample results. Rejected results ("R" qualifier) represent unusable data since the analyte presence or absence is uncertain. In general, sample results with qualifiers other than "R" are considered as usable. Laboratory data from the Witmer Road Site will be used to assess whether hazardous waste had been disposed on-site and to determine whether the site poses a significant threat to public health or the environment.

The data validation summary attached indicates which laboratory results are considered non-compliant when compared to the ASP requirements. However, the majority of these non-compliant results represent minor quality control problems and do not affect data usability. The cases where quality control problems affected usability and/or resulted in the rejection of data are discussed in the following sections. In most cases these problems are typical analytical difficulties or are the result of sample matrix problems.

Volatile Organics (VOCs)

The volatile organics results were acceptable and may be considered suitable for their intended use. Methylene chloride and acetone, common laboratory contaminants, were detected in the laboratory method blank. In addition, chloroform was reported in the equipment blank, and 1,1,1-trichloroethane and chloromethane were reported in a laboratory method blank. All sample results less than the action level were reported as non-detect. Some calibration problems (continuing calibration percent differences outside acceptance limits) were observed, which represent typical laboratory performance. The affected compounds were qualified as estimated, and this minor deficiency does not affect usability. Samples WRWT101, WRWT103, and WRWT104 were qualified as estimated because of their low total solids content (47%, 47%, and 45%, respectively). This qualification does not affect the usability of these volatile data. Surrogate recoveries for

WRWT102 were outside acceptance limits for both the original analysis and the reanalysis, indicating a matrix problem. The results are considered usable and were qualified as estimated to indicate a potential accuracy bias. Internal standard response was outside acceptance limits for WRWT102 in the original analysis and the reanalysis. Results for compounds quantitated with 1,4-difluorobeneze were estimated and are considered usable. Non-detected results quantitated with chlorobenzene-d5 were rejected and should not be used to confirm the absence of these compounds in this sample.

Semivolatile Organics SVOCs

The semivolatile organics analyses provided acceptable results, and the values may be used as presented. Bis(2-ethylhexyl)phthalate and di-n-butylphthalate, common laboratory contaminants, were detected in the laboratory method blank. All sample results less than the action level were reported as non-detect. Samples WRWT101, WRWT103, and WRWT104 were qualified as estimated because of their low total solids content (47%, 47%, and 45%, respectively). This qualification does not affect the usability of these semivolatile data. Some calibration problems (continuing calibration percent differences outside acceptance limits) were observed, which represent typical laboratory performance. The affected compounds were qualified as estimated, and this minor deficiency does not affect usability. Sample WRWT103 exhibited acid surrogate recoveries below 10%, and the reanalysis significantly exceeded the holding time. Accordingly, the original analysis was reported, and all results for the acid fraction were rejected. These results should not be used to confirm the absence of semivolatile acid compounds in this sample. However, these compounds are not considered critical site contaminants, and this deficiency will not affect the reclassification decision. Field duplicate results were outside acceptance limits for fluoranthene and pyrene in WRWT101. The data are considered usable and were qualified as estimated to indicate a potential laboratory, sampling, or matrix problem.

Pesticides/Polychlorinated biphenyls (PCBs)

The pesticides/PCBs results are acceptable and may be used as presented. Samples WRWT101, WRWT103, and WRWT104 were qualified as estimated because of their low total solids content (47%, 47%, and 45%, respectively). This qualification does not affect the usability of these pesticide/PCB data. Results for 4,4'-DDT were qualified as estimated because standard linearity criteria were not met, but usability of these data is not affected. Several samples exhibited surrogate recoveries outside the acceptance limits, indicating a potential bias, and the results were qualified as estimated. These recoveries may be attributable to matrix problems and do not affect the usability of the results. Calibration check standards showed poor precision for beta-BHC, gamma-BHC, 4,4'-DDT, endrin, and endrin ketone, and these compounds were qualified as estimated. This minor deficiency does not affect the usability of the sample results. Field duplicate results were outside acceptance limits for heptachlor, 4,4'-DDE, and 4,4'-DDT in WRWT101. The data are

considered usable and were qualified as estimated to indicate a potential laboratory, sampling, or matrix problem. Endrin results were rejected in WRSS101 and WRWT101 because standard analyses revealed that breakdown was occurring in the chromatographic system. These results should not be used to determine the presence or absence of endrin in site samples. In addition, as a result of this observed breakdown the results for endrin ketone and endrin aldehyde (endrin breakdown products) were qualified as JN (presumptive evidence). The presence of these compounds is suspect since they may have resulted from the breakdown of endrin. Peak resolution did not meet criteria for 4,4'-DDE (i.e., resolution between adjacent peaks was less than 60%), and the results were estimated in all waste samples.

Inorganics

The majority of the inorganics analyses are acceptable and may be used as presented. Samples WRWT101, WRWT101XD, WRWT103, and WRWT104 were qualified as estimated because of their low total solids content (45%, 48%, 48%, and 44%, respectively). This qualification does not affect the usability of these inorganics data. Spike recoveries for selenium, arsenic, thallium, antimony, barium, cadmium, cobalt, and nickel were below acceptance limits, indicating an accuracy problem. The associated results were qualified as estimated. These low recoveries may be attributable to matrix and/or laboratory problems and do not affect the usability of the results. However, the spike recovery for selenium for the drum, waste, and soil samples was well below the lower acceptance limit, and the associated results were rejected. These results should not be used to determine the absence of selenium in these site samples. The Contract Required Detection Limit (CRDL) standard exhibited recoveries outside Quality Control (QC) limits for cadmium, silver, chromium, nickel, and lead. This deficiency indicates that there is some uncertainty associated with results for this elements reported at or near the CRDL. Inductively Coupled Plasma (ICP) serial dilution results were outside acceptance limits for chromium, copper, iron, manganese, zinc, and potassium. The results are usable, and positive results greater than 10 times the instrument detection limit were qualified as estimated. waste, drum, and soil sample results less than 4.8 mg/kg for lead were rejected because of equipment blank contamination. These rejected results should not be used to determine the presence or absence of lead in site samples. The presence of zirconium in drum samples caused spectral interferences for aluminum, antimony, chromium, and nickel. The affected results were qualified as estimated to indicate a potential positive bias.

Hazardous Waste Characteristics

The CRDL standard for the Extraction Procedure (EP) Toxicity analysis exhibited recoveries outside QC limits for cadmium, selenium, silver, and arsenic. This deficiency indicates that there is some uncertainty associated with results for this elements reported at or near the CRDL. Selenium results were rejected and should not be used to determine

the presence or absence of this element in the EP Toxicity extract. ICP serial dilution results were outside acceptance limits for chromium. Positive results greater than 10 times the instrument detection limit were rejected and should not be used to determine the presence or absence of this element in the EP Toxicity extract. No QC problems were observed for ignitability, corrosivity, and reactivity.

Tentatively Identified Compounds (TICs)

The ASP analytical procedures for volatile and semivolatile organics may also detect the presence of additional compounds which are not included on the Target Compound List. The mass spectra of these non-target compounds (up to 10 VOCs and 20 SVOCs) are compared to library spectra using a computerized search routine, and the best matches are evaluated by the laboratory. If a good library match can not be made the compound is reported as "unknown". The concentrations are estimated by comparing the compound's response to the that of the closest internal standard.

Volatile TICs were reported in one soil and one drum sample and included a cycloalkane, an alkene, and an alkylbenzene. The semivolatile TICs reported include aliphatic hydrocarbons, cyclic hydrocarbons, alcohols, organics acids, ketones, polynuclear aromatic hydrocarbons, DDT and DDD isomers, and PCB congeners. The pesticides and PCB congners provide confirmation of the results reported for the TCL pesticides/PCBs analyses. It should be noted that uncertainty exists both in identification and quantitation and that the estimated concentrations could be orders of magnitude higher or lower than the actual concentration.

Data Quality Objectives

Data Quality Objectives (DQOs) are based on the premise that different data uses require different levels of data quality. Data quality refers to the degree of uncertainty of analytical data with respect to precision, accuracy, representativeness, completeness, and comparability (PARCC). These objectives are established based on site conditions, the purpose of the field program, and the knowledge of the measurement systems used for generation of the analytical data. A discussion of the laboratory data quality as it relates to the PARCC objectives is presented below.

Precision and Accuracy

Precision refers to the reproducibility of a measurement under certain specified conditions, and accuracy measures the bias associated with the sampling and analysis process. Precision and accuracy are affected by both field and laboratory conditions. Precision was monitored through the analysis of field and laboratory duplicate samples; accuracy was measured

through the analysis of field and laboratory blanks, matrix spikes, and surrogate spikes. The ASP protocols used for the analysis of samples define the criteria for acceptable precision and accuracy. As discussed above, surrogate spike recoveries outside acceptance for VOCs and pesticides/PCB may attributable to laboratory and/or sample matrix problems, and the data are considered. Accuracy results (measured as surrogate recovery) were poor for one waste sample, and the results were rejected. SVOC aqueous Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries for pentachlorophenol, the SVOC soil MS/MSD recovery for 2-chlorophenol, the pesticide soli MS/MSD, and inorganics spikes exhibited recoveries outside acceptance limits. The majority of these accuracy deficiencies are considered minor and do not affect usability. However, the accuracy results for selenium were well below the lower limit, and the results were qualified as unusable. Precision criteria were not met for the VOC MS/MSD and the SVOC, pesticide/PCB, and inorganics field duplicate. This deficiency is considered minor and does not affect usability.

Several target analytes were reported at concentrations less than the Contract Required Quantitation Limit (CRQL) (and were qualified as estimated, "J"). Uncertainty exists for the quantitation of concentrations less than the CRQL. While these results provide information on the presence of contamination, these values should be qualified for use in decisions. In some cases poor precision was observed between the two columns used for pesticides/PCBs analyses, and the results were qualified with a "P" by the laboratory. While these concentrations should be considered as estimated, they provide an indication of contamination and are suitable for use.

Representativeness

Measurements are made so that the results obtained are representative of the sampling population, the medium (e.g. soil and groundwater), and the site conditions. The sampling protocols were developed to ensure that the samples were representative of the media, that sampling locations were properly selected, and that a sufficient number of samples were collected. Sample handling protocols (chain-of-custody, storage, and transportation) were adequate to preserve the sample integrity. Proper documentation established that the correct protocols had been followed. Co-located samples (field duplicates) were also collected to assess representativeness, and, as discussed above, no major problems were observed which would affect usability.

Completeness

The characteristic of completeness is defined as the percent of valid data obtained as compared to what would be expected under normal conditions. The USEPA has found that CLP protocols typically generate data that is 80% complete. Because sampling activities are often influenced by field conditions the Witmer Road Site Work Plan provided estimates of the number of samples to be collected during the field program. There were no

significant deviations from the proposed field program. Completeness was calculated to be 100% for pesticides/PCBs, ignitability, reactivity, and corrosivity. Because of the rejected results, completeness for VOCs, SVOCs, EP Toxicity elements, and inorganics is 98%, 99%, 88%, and 91%, respectively.

Comparability

The characteristic of comparability reflects both the internal consistency of measurements and the expression of results in units which are consistent with other organizations reporting similar data. Each value reported for a given measurement should be similar to other values within the same data set and with other related data sets. Comparability was assured through the use of standardized sampling procedures and ASP analytical methods.

MEMORANDUM

To: Kathleen Maguire

From: Kate Kuebler / Steve Turner

Date: February 1, 1993

Subject: Validation : Witmer Road Site
Project No.: 07081-30
Sampling Dates: October 27 - 28, 1992
November 16, 1992

Review is complete for the data packages generated by Energy and Environmental Engineering, Inc. pertaining to soil, drum, waste, and water samples collected at the Witmer Road site. Review was performed following USEPA Region II guidelines. Samples were analyzed for various combinations of Target Compound List (TCL) organics, TCL inorganics, Extraction Procedure (EP) Toxicity metals, and Resource Conservation and Recovery Act (RCRA) characteristics by NYSDEC Analytical Services Protocol (ASP) methodologies. Package documentation was generally complete, with the following resubmissions requested:

1. Pesticide Form I for WRDS104 with corrected concentration of gamma-chlordane.

2. Semivolatile Surrogate Recovery Form II corrected to show results were diluted out.

3. Volatile Form 5 revised to match raw data.

The data tables referred to in this memo are comprised of the following:

Table 1: Laboratory Report of Analysis
Table 2: Validation / Summary Table
Table 3: Summary Table

The following subsections summarize the qualifications/edits that have been determined by validation.

All Organic Analyses

Compound results below the Contract Required Quantitation Limit (CRQL) were flagged with a J by the laboratory. These were flagged JJ on Tables 2 and 3.

Volatile and semivolatile compound results greater than the calibration range were flagged with an E by the laboratory. Samples containing these compounds were diluted and reanalyzed, and the diluted results flagged with a D. On Table 2, the diluted results for all compounds beyond calibration range were inserted into the original results and the remainder of the diluted analysis deleted from Table 2 and Table 3.

All Pesticide Analyses

Compounds that had greater than 25% difference between the results of the two columns were flagged with a P by the laboratory. These were flagged J on Tables 2 and 3.

Volatile Analyses - Qualifications/Edits

1. Due to equipment blank contamination, chloroform should be considered nondetect in WRWT101/XX, WRWT101/XD and WRWT103.

2. Due to method blank contamination, methylene chloride should be considered nondetect in all samples of all matrices.

3. Due to method blank contamination, acetone should be considered nondetect in WRWT101/XX, WRWT101/XD, WRWT104, WRDS102, WRDS102(RE), WRDS103, WRSS101, and WRSS102.

4. Due to method blank contamination, 1,1,1-trichloroethane should be considered nondetect in WRWTR101/XX, WRWT101/XD, and WRWT104.

5. Due to method blank contamination, chloromethane should be considered nondetect in WRDS102.

6. Due to percent solids less than 50%, all results were estimated for WRWT101/XX, WRWT103, and WRWT104.

7. The initial analysis of WRWT102 had two surrogates with recoveries above the QC limits and one surrogate below the Quality Control (QC) limits. The reanalysis had the same results. Results of the initial analysis were presented on Tables 2 and 3.

All results were estimated.

8. The initial analysis of WRWT102 had two internal standard (IS) areas that were below the QC limits. The reanalysis of this sample had all IS below area the QC limits. Results of the initial analysis were presented on Tables 2 and 3. Results of compounds quantitated by 1,4-difluorobenzene were estimated. Positive results quantitated by chlorobenzene-d5 were estimated and nondetect results were rejected.

9. Several continuing calibration standards did not meet percent difference criteria. Positive and nondetect results were estimated in associated samples for acetone, chloromethane, 2-butanone, 2-hexanone, and 4-methyl-2-pentane.

Volatile Analyses - Comments

Please see items 1 - 9 under **Qualifications/Edits**. All hold times, instrument tunes, and method blanks were within QC limits. Surrogate recoveries were acceptable except as discussed above. Initial calibration criteria that did not meet QC criteria had no effect on the results. All matrix spike blank, matrix spike and matrix spike duplicate recoveries met QC criteria. All aqueous Relative Percent Difference (RPDs) were above QC limits. WRDS102 was analyzed according to medium level protocol. All field duplicate results were acceptable. Low concentrations of Tentatively Identified Compounds (TICs) were identified in two solid samples.

Semivolatile Analyses - Qualifications/Edits

10. Due to method blank contamination, bis(2-ethylhexyl)phthalate (BEHP) should be considered nondetect in WRSS101.

11. Due to method blank contamination, di-n-butylphthalate should be considered nondetect in WRDS103 and WRSS102.

12. Due to percent solids less than 50%, all results were estimated for WRWT101/XX, WRWT103, and WRWT104.

13. The initial analysis of WRWT103 had two acid surrogate recoveries less than 10%. The re-extraction of this sample greatly exceeded hold time criteria. Results of the initial analysis were presented on Tables 2 and 3. All positive results in the acid fraction were estimated and all nondetect results in this fraction were rejected.

14. Several continuing calibration standards did not meet percent difference criteria. Positive or nondetect results for bis(2-chloroethyl)ether, 4-chloroaniline, and 2-methylnaphthalene were estimate in associated samples.

15. Field duplicate precision was not acceptable for some compounds. The results for fluoranthene and pyrene were estimated in WRWT101/XX and WRWT101/XD.

Semivolatile Analyses - Comments

Please see items 10 - 15 under **Qualifications/Edits**. All hold time, instrument tune, method blank, and internal standard criteria were met for all sample analyses. Initial calibration criteria that did not meet QC criteria had no effect on the results. Soil and aqueous matrix spike blank recoveries were acceptable. Aqueous matrix spike and matrix spike duplicate recoveries were above QC limits for pentachlorophenol. Soil matrix spike and matrix spike duplicate recoveries were below QC limits for 2-chlorophenol. Aqueous field duplicate results were acceptable. TICs were identified in all samples.

Pesticide/PCB Analyses - Qualifications/Edits

16. Surrogate recoveries were above QC limits for the analysis of WRWT101/XX, WRSS101, WRSS101DL, WRSS102, WRSS102DL. Positive results were estimated.

17. Surrogate recoveries were below QC limits for the analysis of WRDS102 and all WRMW samples. All results were estimated.

18. Initial calibration linearity criteria were not met for 4,4'-DDT. Results for this compound were estimated in all samples.

19. Peak resolution criteria were not met for 4,4'-DDE. Results for this compound were estimated in all WRWT samples.

20. Due to percent solids less than 50%, all results were estimated for WRWT101/XX, WRWT103, and WRWT104.

21. Endrin breakdown exceeded 20% during the analysis of most samples. The following samples and compounds were qualified as shown:

WRDS102	Endrin ketone	NJ
WRDS104	Endrin aldehyde	NJ
WRSS101	Endrin aldehyde	NJ
	Endrin	R
WRWT101	Endrin aldehyde	NJ
	Endrin	R

22. Continuing calibration criteria were not met in the analysis of several Performance Evaluation Mixtures (PEM) and Individual Mixtures A and B (INDA/B). Results for beta-BHC, gamma-BHC, endrin, 4,4'-DDT, and endrin ketone were estimated in

associated samples.

23. Field duplicate precision was not acceptable for some compounds. Results for heptachlor, 4,4'-DDE, and 4,4'-DDT were estimated in WRWT101/XX and WRWT101/XD.

Pesticide/PCB Analyses - Comments

Please see items 18 - 23 under **Qualifications/Edits**. All samples were extracted and analyzed within hold time. All method blanks were compliant. All standard sequencing criteria were met. The soil matrix spike blank was lost in a lab accident. Two compounds in the matrix spike and four compounds matrix spike duplicate had recoveries above QC limits. The aqueous matrix spike blank had two compounds with recoveries above QC limits. Aqueous matrix spike and matrix spike duplicate results met QC criteria.

Inorganic Analyses - Qualifications/Edits

Water Samples

24. Contract Required Detection Limit (CRDL) standard recovery was below QC limits for lead, cadmium, and silver. Results for these analytes were estimated in all WRMW samples.

25. Post digestion spike recovery was below QC limits for selenium. Results were estimated in WRMW101/XX, WRMW101/XD, and WRMW103.

26. Post digestion spike recovery was below QC limits for arsenic. Results were estimated in WRMW103.

Drum, Waste, and Soil Samples

27. Due to percent solids less than 50%, all results were estimated for WRWT101/XX, WRWT101/XD, WRWT103, and WRWT104.

28. The presence of zirconium caused spectral interference during the analysis of WRDS104 and WRDS105. Results for aluminum were estimated in both samples. Antimony, chromium, and nickel were estimated in WRDS105.

29. CRDL standard recovery was below QC limits for chromium and nickel. Results were estimated in all samples.

30. CRDL standard recovery was above QC limits for cadmium. All positive results were rejected in all samples.

31. Inductively Coupled Plasma (ICP) CRDL standard recovery was above QC limits for lead. Positive results were estimated in WRDS101, WRDS104, WRSS101, WRSS102, and WRWT101/XD.

32. Atomic Absorption (AA) CRDL standard recovery was below QC limits for lead. Results were rejected in all samples not listed under #31.

33. Spike sample recovery was below QC limits for several analytes. Selenium results were rejected in all samples. Antimony, barium, cadmium, cobalt, and nickel results were estimated.

34. ICP serial dilution criteria were not met for chromium, copper, iron, manganese, and zinc. Positive results greater than 10X Instrument Detection Limit (IDL) were estimated.

35. ICP serial dilution criteria were not met for potassium. Positive results greater than 10X IDL were rejected.

36. Due to the presence of lead in the equipment rinse blank, all positive lead results less than 4.8 mg/kg were rejected.

37. Analytical spike recovery was below QC limits for thallium. Results were estimated in WRDS102.

38. Field duplicate precision criteria were not met for zinc. Zinc results were estimated in WRWT101/XX and WRWT101/XD.

Inorganic Analyses - Comments

Please see items 24 - 28 under **Qualifications/Edits.** All appropriate QC criteria were reviewed and found acceptable unless noted under **Qualifications/Edits**. All field duplicate results were acceptable except as note above.

EP Toxicity Metals Analyses - Qualifications/Edits

39. CRDL standard recovery was below QC limits for cadmium, selenium, and silver. Cadmium and silver results were estimated in all samples. Selenium results were rejected.

40. CRDL standard recovery was above QC limits for arsenic. Positive results were estimated.

41. ICP serial dilution criteria were not met for chromium. Positive results greater than 10X IDL were rejected.

EP Toxicity Metals Analyses - Comments

Please see items 39 - 41 under **Qualifications/Edits**. All appropriate QC criteria were reviewed and found acceptable unless noted under **Qualifications/Edits**. All field duplicate results were acceptable for all analytes except barium.

RCRA Analyses - Qualification/Edits

There were no qualifications or edits to these data.

RCRA Analyses - Comments

Data were reviewed for hold time, duplicate precision, spike sample recovery and method blank contamination. All QC results were compliant.

Table 1
Laboratory Report of Analysis

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE ANALYZED:	11/19/92	11/19/92	11/19/92	11/19/92
ANALYTE	SOW-3/90 - II CRQL				
Chloromethane	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Methylene Chloride	10	3 BJ	3 BJ	3 BJ	4 BJ
Acetone	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	2 J
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	1 J
Dibromochloromethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	75	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		F4830	F4830	F4830	F4830
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		WRQT002XXX92XX	WRQT002XXX92XX	WRQT002XXX92XX	WRQT002XXX92XX

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

1

Table 2
Validation / Summary Table

	SAMPLE LOCATION:	WRMW101X1892XD	WRMW101X1892XX	WRMW102X2492XX	WRMW103X2592XX
	LAB NUMBER:	930185-2 #	930185-1 #	930185-3 #	930185-4 #
	DATE SAMPLED:	11/16/92	11/16/92	11/16/92	11/16/92
	DATE ANALYZED:	11/19/92	11/19/92	11/19/92	11/19/92
ANALYTE	SOW-3/90 - II CRQL				
Chloromethane	10	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	2 JJ
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	10	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	1 JJ
Dibromochloromethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 UJ	10 UJ	10 UJ	10 UJ
Tetrachloroethene	10	10 U	10 U	75	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U
Dilution Factor:		1.00	1.00	1.00	1.00
Associated Method Blank:		F4830	F4830	F4830	F4830
Associated Equipment Blank:		WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX	WRQS002XXX92XX
Associated Field Blank:		-	-	-	-
Associated Trip Blank:		WRQT002XXX92XX	WRQT002XXX92XX	WRQT002XXX92XX	WRQT002XXX92XX

Site: MONITORING WELL
#: Level IV Validation J: Estimated B: Blank contamination D: Diluted result -: Not detected
U: Not detected JJ: Estimated below CRQL E: Exceeds calibration range R: Unusable

2

SECTION 3.0

MONITORING WELL INSTALLATION RECORDS

Soil Boring Log

Project: NYSDEC PSA-6 : Witmer		Boring/Well No.: MW-101	Project No.: 07081-30
Client: NYSDEC	Site: Witmer		Sheet No. 1 of 5
Logged By: D. Cianchette	Ground Elevation: 614.8'	Start Date: 10-27-92	Finish Data: 10/28/92
Drilling Contractor: Con-tec, subcontracted by parratt wolff	Driller's Name: Contec: Mark Poland		Rig Type: Bombadeer
Drilling Method: HSA / Spun casing	Protection Level: C-dermal	P.I.D. (eV): 10.6	Casing Size: 4" / Auger Size: 4.25
Soil Drilled: 10'-4"	Rock Drilled: 9.2	Total Depth: ~~19.6~~ 19.6	Depth to Groundwater/Date: 12'-4" (10/27)

Piez ☐ Well ☒ Boring ☐

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space	Lab Tests
0-2	S-1 2.0/1.5	SS*	3-6-7-9	13		0-0.5': Chocolate brown silt, some organics, little clay- moist, Firm 0.5'-1.0': Red silt with some clay, moist, firm, 1.0-1.5': Red silty sand (sand is very fine), poorly graded, moist, firm. spoon: poorly graded, non-plastic, no structure, ML	ML		0			
2-4	S-2 2.0/1.8	SS	9-13-13-15	26		Red very fine sand, poorly graded, non-plastic, medium dense, moist, no structure	SP		0			
4-6	S-3 2.0/1.4	SS	8-10-15-11	25		Same as above.	SP		0			

*S.S. - split spoon

Soil Boring Log

Project	Boring/Well No.	Project No.
NYSDEC PSA-6	MW-101	7081-30

Client	Site	Sheet No.
NYSDEC	Witmer Road Site	2 of 5

Logged By	Ground Elevation	Start Date	Finish Data
D. Cianchette	614.8'	10/27/92	10/28/92

Drilling Contractor	Driller's Name	Rig Type
Contec	Contec: Mark Poland	Bomb

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
HSA / Spun Casing	C-dermal	10.6	4"	4.25'

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
10'-4"	9.2	19.6	12'-4" (10/27)	☐	☒	☐

Depth(Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space	Lab Tests
6-8	S-4 1.3/2	SS	12-18-26-28	44		same as above wet 1.2-1.3 saturated same as above	SP		0		
8-10	S-5 2.0/1.0	SS	24-15-21-17	36		clayey silt, brownish grey, and angular gravel (med), damp, moderately well graded, non-plastic, loose, TILL	GM		0		
10-10.4	S-6 4"/4"	SS	100/4"			Same as above, lower end wet.	GM		0		
						Bedrock @ 10' 4"					

ROCK CORING LOG

Project:		Site:	Project No.
PSA 6 MW-101 OFS		WITMER ROAD	7081-30

Client:	Drilling's Name:	Logged by:	Checked by:	Ground Elev.:
NYSDEC	Con-Tec	DHSC	[illegible]	614.81

Drilling Contractor:	Protection Level:	Rig Type:	Start Date:	Finish Date:
PARRATT-WOLFF, INC	C-dermal	Bombadier	10-27	10-28

Drilling Method:	P.I.D. (eV):	Casing Size:	Auger Size:
HSA - 1 Spun Casing 1 H core	10.6	4.0"	4.25

Bit type/size:	Bit Use:	Core Interval (to/from)(ft):
HX	HX	12 - 19.2

Depth (feet) Below GRD Surface	Sample No. & Penetration/ Recovery (feet)	Graphic Log	Natural Cove Breaks: Type/Dip	Natural Cove Breaks: Surface Condition	Weathered Condition	Rock Quality: Total 4" Core	Rock Quality: RQD (%)	Rock Quality: Rock Quality Description	Drilling Rate min/ft	Color	Rock Description and Comments on Drilling
12'	1.9/2.2	.2' .5' 1.4' 2"	1.4-1.9								Fractured Dolostone
14.2											R1
	1.6/2.4	.4 1.1 1.4 1.6									Mechanical Fractures Mechanical Fracture at 1.6'
16.6		2.4									R2

E.C. JORDAN CO.

9201157T

ROCK CORING LOG

Project:		Site:		Project No.
PSA 6 MW-101		WITMER ROAD		7081-30
Client:	**Drilling's Name:**	**Logged by:**	**Checked by:**	**Ground Elev.:**
NYSDEC	Contec	DHSL	KM	614.8'
Drilling Contractor:	**Protection Level:**	**Rig Type:**	**Start Date:**	**Finish Date:**
PARRATT-WOLFF, INC	C-dermal	Bomb	10/27/92	10/28/92
Drilling Method:		**P.I.D. (eV):**	**Casing Size:**	**Auger Size:**
HSA / Spun Casing / Hcore		10.6	4"	4.25
Bit type/size:	**Bit Use:**	**Core Interval (to/from)(ft):**		
HX	HX	12 - 19.2		

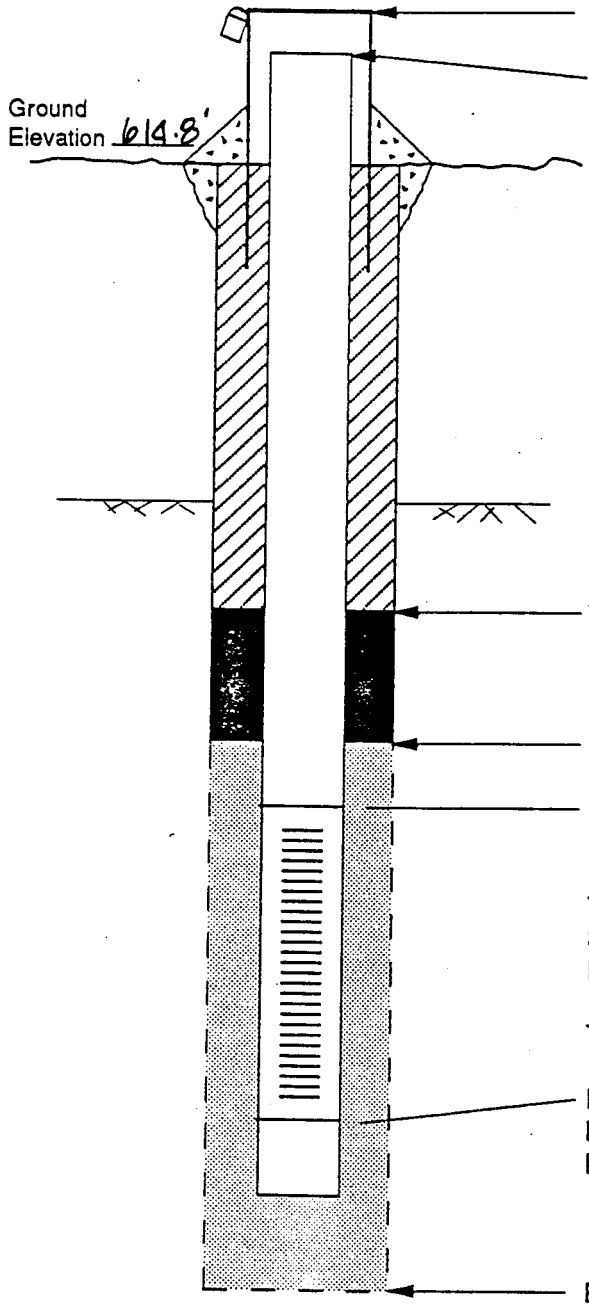
Depth (feet) Below GRD Surface	Sample No. & Penetration/ Recovery (feet)	Graphic Log	Natural Cove Breaks: Type/Dip	Natural Cove Breaks: Surface Condition	Weathered Condition	Rock Quality: Total 4" Core	Rock Quality: RQD (%)	Rock Quality: Rock Quality Description	Drilling Rate min/ft	Color	Rock Description and Comments on Drilling
16.6	2.8/3.0	.2, .6, .8, 1.1, 1.3, 1.4, 1.6, 1.9, 2.1, 2.6				32"	32"/91"			Gray	Dolostone All are natural fractures
19.6											

E.C. JORDAN CO.

9201157T

BEDROCK MONITORING WELL CONSTRUCTION DIAGRAM

Project PSA-6 Witmer Location Witmer Road Driller Contec: Mark Poland
Project No. 7051-30 Boring No. MW-101 Drilling Method HSA/Spuncasing/H Core
Date Installed 10/28/92 Development Method Pump & Surge
Field Geologist D. Cianchette



Elevation of Top of Surface Casing: 616.82
Stick-up of Casing Above Ground Surface: 2.02
Elevation of Top of Riser Pipe: 616.82
Type of Surface Seal: Cement
Type of Surface Casing: Steel

ID of Surface Casing: ECJ MW-101

Diameter of Borehole: 4"

Riser Pipe ID: 2"
Type of Riser Pipe: PVC

Type of Backfill: Grout

Bedrock Elevation /Depth 10'-4" / 604.5

Elevation of Top of Seal: 610.0
Depth of Top of Seal: 4.4'
Type of Seal: Bentonite

Elevation of Top of Sand: 608.4
Depth of Top of Sand: 6.4'
Elevation of Top of Screen: 606.4
Depth of Top of Screen: 8.4'

Type of Screen: 10 slot PVC
Slot Size x Length: 10 slot / 10' long
ID of Screen:

Type of Sandpack: Silica Sand

Elevation of Bottom of Screen: 596.4
Depth of Bottom of Screen: 18.4
Depth of Sediment Sump with Plug:

Elevation of Bottom of Borehole: 595.6
Depth of Bottom of Borehole: 19.2

9202081D (H)

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Witmer Road Site	10/28/92		7081-30
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
NYSDEC	10/29/92	DHSC	KM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-101	Light rain, 40°	10/29	10/29
Initial Water Level (ft):		**Start Time:**	**Finish Time:**
11.3' bgs		1238	1319
Water Level during Initial Pumping/Purging (ft):			
Water Level at Termination of Pumping/Purging (ft):			

Estimated Well Volume: _____

Number of Well Volumes	TIME	TEMP.	pH	Conductivity	Approximate Pumping Rate (gal/min)	Turbidity (NTU's)
250 gal	1238	11.5°C	7.98	610	—	—
300 gal	1257	11.8°C	8.03	630	—	93
410 gal	1319	11.6°C	7.97	611	-	.19

Notes:

WELL DEVELOPER'S SIGNATURE Brian Butler

Soil Boring Log

Project	Boring/Well No.	Project No.
PSA-6 Witmer Road Site	MW-102	7081-30

Client	Site	Sheet No.
NYSDEC	Witmer Road Site	1 of 4

Logged By	Ground Elevation	Start Date	Finish Data
K Maguire	615.6	10/30/92	10/31/92

Drilling Contractor	Driller's Name	Rig Type
Contec	Mark Poland	Bomb

Drilling Method	Protection Level	P.I.D. (eV)	Casing Size	Auger Size
HSA/Spuncasing/Core	C-dermal	10.6	4"	4.25

Soil Drilled	Rock Drilled	Total Depth	Depth to Groundwater/Date	Piez	Well	Boring
11.4	13.6	25.0	12.1' (10/31)	☐	☒	☐

Depth(Feet)	Sample No. & Penetration/ Recovery (Feet)	Sample Type	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Graphic Log	Sample Description	USCS Group Symbol	Notes on Drilling	Monitoring (ppm) PI Meter Field Scan	Monitoring (ppm) PI Meter Head Space	Lab Tests
1	S-1 2.0/1.0	SS	12-29-10-14	39		0-0.2 Dark brown silty sand with organics 0.2-1.0 Layer of Grey slag mixed with brick					
2	S-2 2.0/1.2	SS	3-7-10-11	17		1.0-2.0 Red/brown silt, trace clay, dry Red brown silt, trace clay, dry Stiff	ML ML		BKG BKG	0.5 0.5	
4	S-3 2.0/1.6	SS	7-11-13-18	24		Same as S-2 with fine sand layers	ML		BKG	0.3	
6	S-4 2.0/1.6	SS	15-23-22-17	45		Red brown fine silty sand, trace medium sand, moist, medium dense	SM		BKG	0.9	
8	S-5 2.0/1.5	SS	6-8-8-16	16		8-8.5 Similar to S-4 w/trace coarse sand & fine gravel 8.5-10.0 Red brown fine to coarse silty sand with some gravel, moist to wet.	SM		BKG	1.9	
10	S-6 2.0/	SS	7-9-50(0.4')			Red brown fine to coarse silty sand with some gravel, wet.	SM		BKG	2.3	
						Core rock, see pg 2 of 4					

ROCK CORING LOG

Project:		Site:		Project No.
PSA 6 MW-102		WITMER ROAD		7081-30
Client: NYSDEC	**Drilling's Name:** Contec: Mark Poland	**Logged by:** KM	**Checked by:**	**Ground Elev.:** 615.6
Drilling Contractor: PARRATT-WOLFF, INC	**Protection Level:** C-dermal	**Rig Type:** Bomb	**Start Date:** 10/30/92	**Finish Date:** 10/30/92
Drilling Method: Auger/Spun H casing/H core		**P.I.D. (eV):** 10.6	**Casing Size:** HX	**Auger Size:** 4"
Bit type/size: HX	**Bit Use:** HX	**Core Interval (to/from)(ft):** 12' to ~~18.5~~ 18.0		

Depth (feet) Below GRD Surface	Sample No. & Penetration/ Recovery (feet)	Graphic Log	Natural Cove Breaks: Type/Dip	Natural Cove Breaks: Surface Condition	Weathered Condition	Rock Quality: Total 4" Core	Rock Quality: RQD (%)	Rock Quality: Rock Quality Description	Drilling Rate min/ft	Color	Rock Description and Comments on Drilling
12											~~Dolostone~~
13	R-1 2.0'/1.6'					0	0	Poor		Grey	Dolostone with mud mud seams. All fractures natural
14											
15	R-2 3.0/3.2					0	0	Poor		Grey	Dolostone with mud seams. All fractures natural
16											
17	R-3 1.0/1.0					0	0	Poor		Grey	Same
18	R-4					0	0	Poor		Grey	18-18.3 — Same very broken. (→ see next page)
18.3											
19											
20											

E.C. JORDAN CO.

9201157T

ROCK CORING LOG

Project:		Site:		Project No.
PSA 6 MW-102		WITMER ROAD		7081-30
Client: NYSDEC	**Drilling's Name:** Sinter - Mark Poland	**Logged by:** KM	**Checked by:**	**Ground Elev.:** 615.6
Drilling Contractor: PARRATT-WOLFF, INC	**Protection Level:** C-dermick	**Rig Type:** Bomb	**Start Date:** 10/30/92	**Finish Date:** 10/30/92
Drilling Method: NX core		**P.I.D. (eV):** 10.6	**Casing Size:** 4"	**Auger Size:** 4"
Bit type/size: NX	**Bit Use:** NX	**Core Interval (to/from)(ft):** 15 to 24.5'		

Depth (feet) Below GRD Surface	Sample No. & Penetration/ Recovery (feet)	Graphic Log	Natural Cove Breaks: Type/Dip	Natural Cove Breaks: Surface Condition	Weathered Condition	Rock Quality: Total 4" Core	Rock Quality: RQD (%)	Rock Quality: Rock Quality Description	Drilling Rate min/ft	Color	Rock Description and Comments on Drilling
15						0	0	Poor		Grey	Dolostone w/ mud seams
20	C-A 5.0/4.5	0.5				0.5	10	Poor		Grey	Dolo stone w/ mudseams Void pockets in rock very weathered
23	C-B 2.0/2.3	0.8				0.8	35	Good		Grey	Dolostone w/ mudseams void pockets in rock very weathered. Calcite & Quartz crystals have formed in the voids.
24											
24.5											

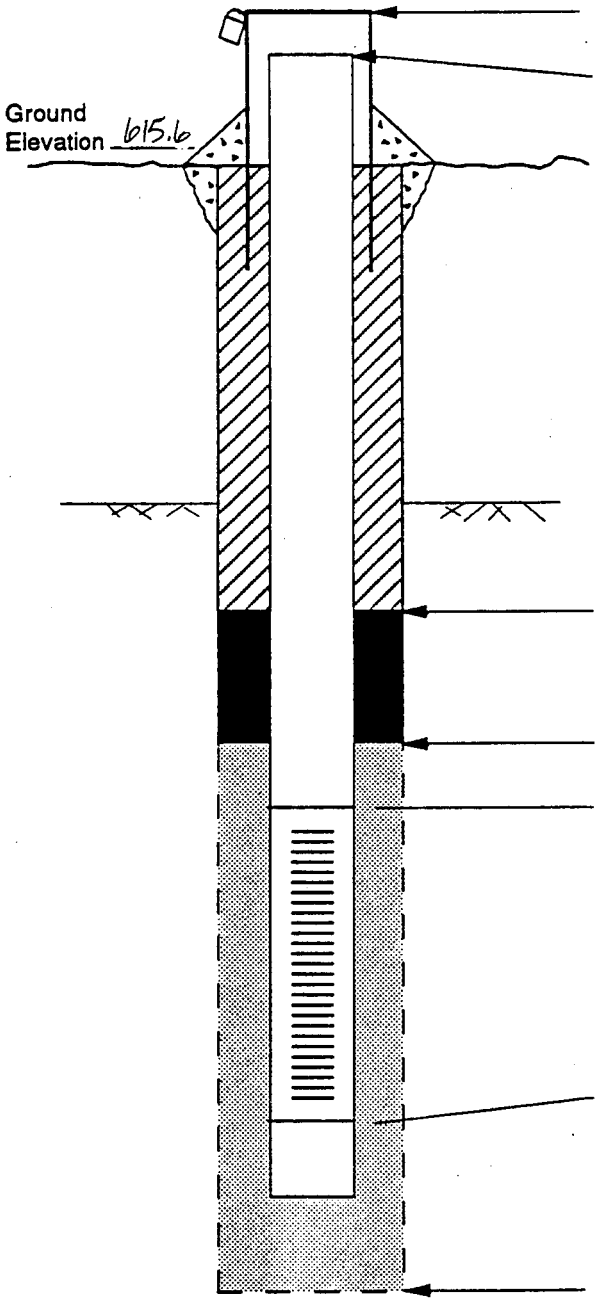
BEDROCK MONITORING WELL CONSTRUCTION DIAGRAM

Project PSA-6 Location Witmer Rd MW-102 Driller Contec: Mark Poland

Project No. 7081-30 Boring No. MW-102 Drilling Method HSA/Spun Casing/Core

Date Installed 10/3/92 Development Method Pump & Surge

Field Geologist Kathleen Maguire



Elevation of Top of Surface Casing: 617.85

Stick-up of Casing Above Ground Surface: 2.25

Elevation of Top of Riser Pipe: 617.63

Type of Surface Seal: Sackrete

Type of Surface Casing: Steel

ID of Surface Casing: MW-102

Diameter of Borehole: 4.25"

Riser Pipe ID: ECJ MW-102

Type of Riser Pipe: PVC

Type of Backfill: Grout Cement/Bentonite

Bedrock Elevation /Depth 11.4 / 604.2

Elevation of Top of Seal: 605.0

Depth of Top of Seal: 10.6

Type of Seal: Bentonite Chips

Elevation of Top of Sand: 603.0

Depth of Top of Sand: 12.6

Elevation of Top of Screen: 601.0

Depth of Top of Screen: 14.6

Type of Screen: PVC

Slot Size x Length: 10 slot / 10' long

ID of Screen: [redacted]

Type of Sandpack: Silica Sand

Elevation of Bottom of Screen: 591.0

Depth of Bottom of Screen: 24.6

Depth of Sediment Sump with Plug: _____

Elevation of Bottom of Borehole: 290.6

Depth of Bottom of Borehole: 25.0

Hole drilled to 25.0 caved to 24.6

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Witmer Road Site	10/29/92		7081-30
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
NYSDEC	10/30/92	DSHC	KM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-103	Clear, Cold	10/30	10/30
Initial Water Level (ft):		**Start Time:**	**Finish Time:**
10.5' bgs		10:00	12:50
Water Level during Initial Pumping/Purging (ft):			
Water Level at Termination of Pumping/Purging (ft):			

Estimated Well Volume: _____

Number of Well Volumes	TIME	TEMP.	pH	Conductivity	Approximate Pumping Rate (gal/min)	Turbidity (NTU's)
~~1210~~	1210	19.6°C	7.87	2.14 ~~mmhos~~/cm	—	26
	1250	25.4°C	7.87	2.44	—	* ~~3.44~~

Notes:

* Turbidity meter on the blink.
After getting new batteries, check calibration

0-10 Gel reads 5.00 NTU
10-100 Gel reads 86.2 NTU
100-1000 Gel reads 965 NTU

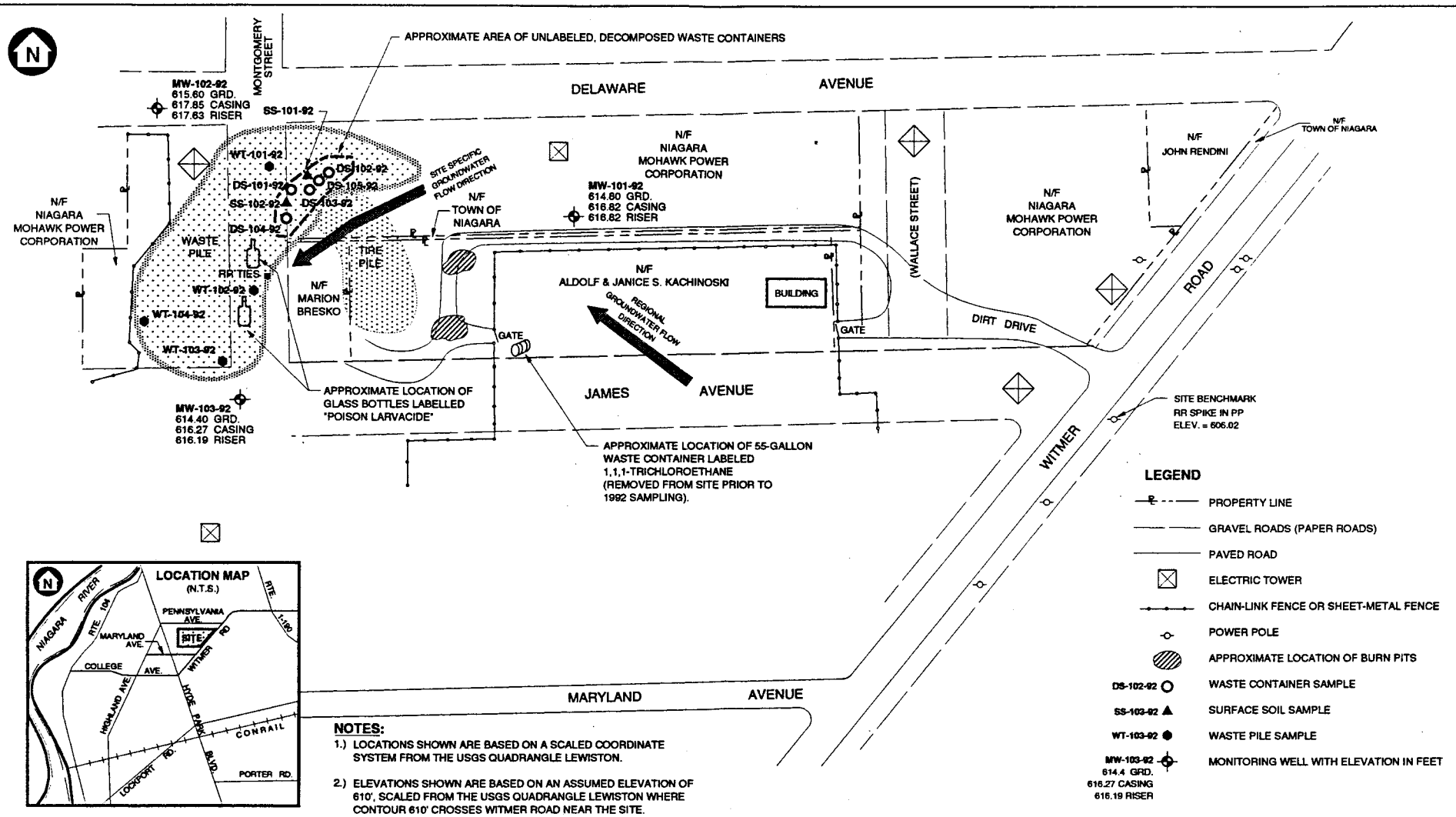
* Reading should be compared to above table.

WELL DEVELOPER'S SIGNATURE Kathleen Mag

8202081D (o) 1/5/92

SECTION 1.0

GEOPHYSICAL SURVEY SUMMARY REPORT



NOTES:

1.) LOCATIONS SHOWN ARE BASED ON A SCALED COORDINATE SYSTEM FROM THE USGS QUADRANGLE LEWISTON.

2.) ELEVATIONS SHOWN ARE BASED ON AN ASSUMED ELEVATION OF 610', SCALED FROM THE USGS QUADRANGLE LEWISTON WHERE CONTOUR 610' CROSSES WITMER ROAD NEAR THE SITE.

3.) PROPERTY LINE AND R.O.W. INFORMATION DETERMINED BY CURRENT TAX MAP INFORMATION ONLY.

4.) ABBREVIATIONS:
N/F = NOW OR FORMERLY
NYT = NEW YORK TELEPHONE
RR = RAILROAD
GRD = GROUND SURFACE

BASE MAP SOURCE: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION MAP ENTITLED "SUPERFUND STANDBY CONTRACT AT WITMER ROAD SITE, NO. 13 NIAGARA, N.Y."; PREPARED FOR E.C. JORDAN CO., PORTLAND, MAINE; SURVEYED BY OM P. POPLI, P.L.S., ROCHESTER N.Y., DATED 12/92.

SITE PLAN AND SAMPLING LOCATIONS
WITMER ROAD SITE
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

ABB Environmental Services

9302012D 1

SECTION 2.0

FIELD DATA SHEETS

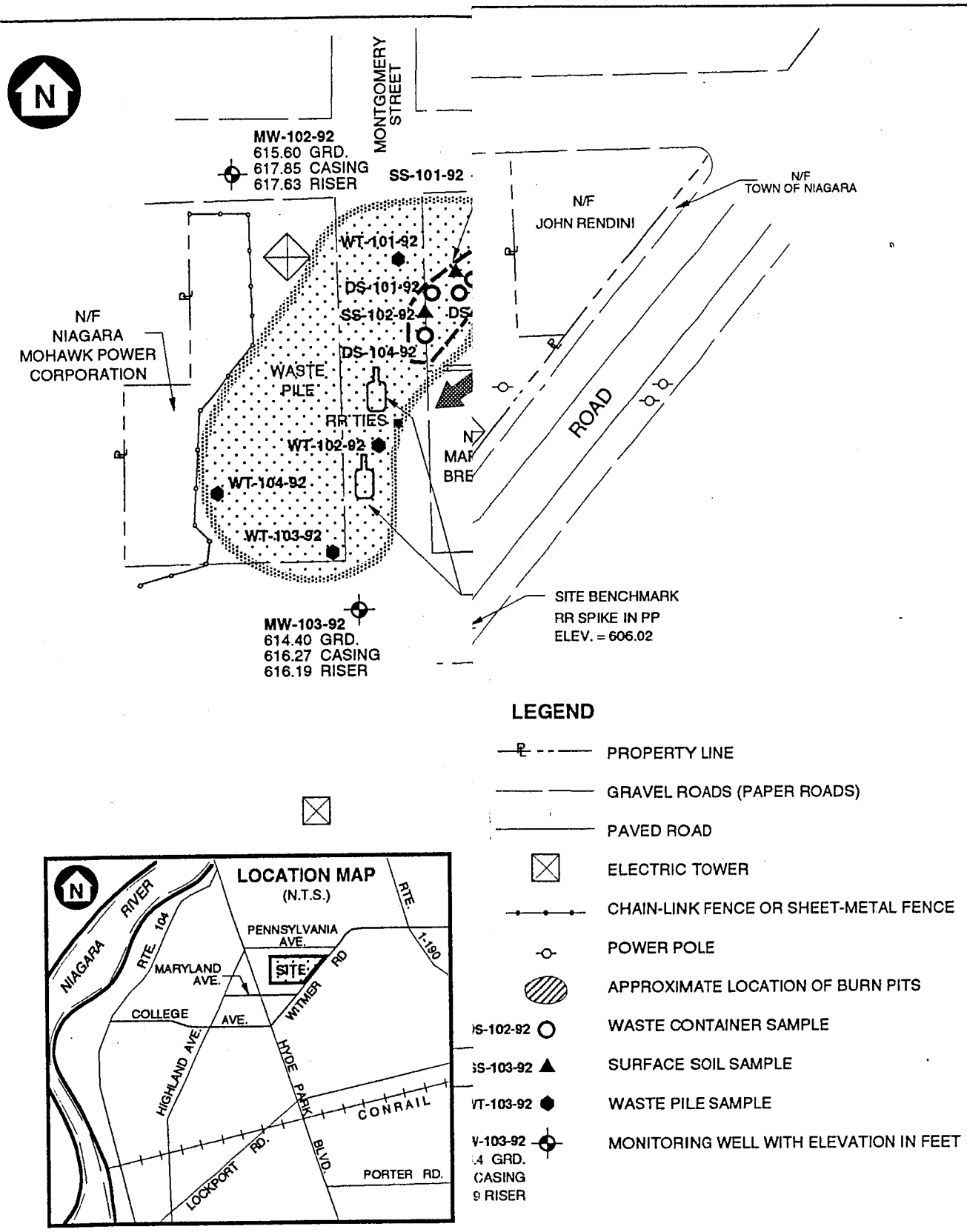


FIGURE 1-2
SITE PLAN AND SAMPLING LOCATIONS
WITMER ROAD SITE
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

ABB Environmental Services

9302012D 1

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC - PSA-6 Witmer
Project Number: 7081-30
Sample Location ID: WRWSTIOXXX92XX
Time: Start: 11:10 End: 11:20

Site: Witmer Road
Date: 10/27/92
Signature of Sampler: Kathleen May

Waste Pile Sample

SOIL SAMPLE

DEPTH OF SAMPLE 0-6"

EQUIPMENT USED FOR COLLECTION:
- [ ] HAND AUGER
- [ ] S.S. SPLIT SPOON
- [X] SHOVEL
- [ ] HAND SPOON
- [ ] ALUMINUM PANS
- [ ] SS BUCKET
- [ ] _____

TYPE OF SAMPLE COLLECTED:
- [ ] DISCRETE
- [X] COMPOSITE

SAMPLE OBSERVATIONS:
- [ ] ODOR _____
- [X] COLOR White / Grey
- [X] Sulfur on Surface (x) white Ash/Slag

DECONTAMINATION FLUIDS USED:
- ✓ ALL USED
- [ ] ETHYL ALCOHOL
- [ ] 25% METHANOL/ 75% ASTM TYPE II WATER
- [X] DEIONIZED WATER
- [X] LIQUINOX SOLUTION
- [ ] HEXANE
- [ ] HNO_3 SOLUTION
- [ ] POTABLE WATER
- [ ] NONE

SOIL TYPE:
- [ ] CLAY
- [ ] SAND
- [ ] ORGANIC
- [ ] GRAVEL

FIELD GC DATA: [X] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____
MS/MSD/Dup

SAMPLE LOCATION SKETCH:
- [X] YES
- [ ] NO

Background PID Reading

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

See ECJ Work plan Figure 4-1

Analyses:

EPTOX, Corrosivity, Reactivity, Ignitability
TCL VOC, TCL SVOC, TCL Pest/PCB, TCL Inorganics

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC/PSA-6
Project Number: 2081-30
Sample Location ID: WRWT102XX193XX
Time: Start: 11:45 End: 12:00

Site: Witmer Road
Date: 10-27-92
Signature of Sampler: Kathleen Mac

Waste Pile Sample

SOIL SAMPLE

DEPTH OF SAMPLE 0-3"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[ ] HAND SPOON
[ ] ALUMINUM PANS
[ ] SS BUCKET
[X] Hand Pick

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR
[X] COLOR Gray
[ ]

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[X] GRAVEL / SLAG

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID

SAMPLE LOCATION SKETCH:
[X] YES
[ ] NO

Background on PID

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

See ECJ Work Plan Figure 4-1

Analyses:

EPTox, Corrosivity, Reactivity, Ignitability

TCL VOC, TCL SVOC, TCL Pest/PCB, TCL Inorganics

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC / PSA-6
Project Number: 7081-30
Sample Location ID: WRWT03XXX92XX
Time: Start: 12:05 End: 12:20

Site: Witmer Road
Date: 10/27/92
Signature of Sampler: Kathleen Ma[illegible]

Waste Pile Sample

SOIL SAMPLE

DEPTH OF SAMPLE 0-6"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[ ] HAND SPOON
[ ] ALUMINUM PANS
[ ] SS BUCKET
[X] SPOON

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR None
[X] COLOR White to Gray
(x) SLAG

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[X] YES
[ ] NO

Background PID Reading

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

See ECJ Work Plan Figure 4-1

Analyses:

EP Tox, Corrosivity, Reactivity, Ignitability
TCL VOC, TCL SVOC, TCL Pest/PCB, TCL Inorganics

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC/PSA-6
Project Number: 7081-30
Sample Location ID: WRWT104XXX92XX
Time: Start: 12:30 End: 12:45

Site: Witmer Road
Date: 10/22/92
Signature of Sampler: Kathleen Mazz

Waste Pile Sample

SOIL SAMPLE

DEPTH OF SAMPLE 0-6"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[ ] HAND SPOON
[ ] ALUMINUM PANS
[ ] SS BUCKET
[X] Steel

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR
[X] COLOR white, w/
[ ] some orange

DECONTAMINATION FLUIDS USED:
[✓] ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[X] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[X] YES
[ ] NO

PID Background

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

See ECJ Work Plan Figure 4-1

Analyses:

EPTOX, Corrosivity, Reactivity, Ignitability

TCL VOC, TCLSVOCs, TCL Pest/PCB, TCL Inorganics

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC - PSA-6 Site: Witmer Road
Project Number: 7081-30 Date: 10/28/92
Sample Location ID: WRSS10XXX92XX
Time: Start: 845 End: 900 Signature of Sampler: S. Dursky

SOIL SAMPLE

DEPTH OF SAMPLE 0-6"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[X] HAND SPOON
[ ] ALUMINUM PANS
[X] SS BUCKET
[ ] _____

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR _____
[X] COLOR Grey / Brown
[ ] _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[X] SAND / ASH
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

Background PID

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

Sample collected as a composite sample. The drum disposal area was visually divided in two and the sample was collected on the north side from 4 spot locations within 10 feet of the driven stake.

See work plan Figure 4-1 for sketch.

SURFACE SOIL SAMPLE DATA RECORD

Project: USDEC - DSA-6 Site: Witmer Road
Project Number: WRSSIC2XXX92XX Date: 10/28/92
Sample Location ID: SB1-30
Time: Start: 905 End: 920 Signature of Sampler: S Murphy

SOIL SAMPLE

DEPTH OF SAMPLE 0-3"

EQUIPMENT USED FOR COLLECTION:
- [ ] HAND AUGER
- [ ] S.S. SPLIT SPOON
- [X] SHOVEL
- [X] HAND SPOON
- [ ] ALUMINUM PANS
- [X] SS BUCKET
- [ ] _____

TYPE OF SAMPLE COLLECTED:
- [ ] DISCRETE
- [X] COMPOSITE

SAMPLE OBSERVATIONS:
- [ ] ODOR _____
- [X] COLOR See Below
- [ ] _____

DECONTAMINATION FLUIDS USED:
- ✓ ALL USED
- [ ] ETHYL ALCOHOL
- [ ] 25% METHANOL/ 75% ASTM TYPE II WATER
- [X] DEIONIZED WATER
- [X] LIQUINOX SOLUTION
- [ ] HEXANE
- [ ] HNO_3 SOLUTION
- [ ] POTABLE WATER
- [ ] NONE

SOIL TYPE:
- [ ] CLAY
- [ ] SAND
- [ ] ORGANIC
- [ ] GRAVEL
- (X) See Below

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
- [ ] YES
- [ ] NO

Background PID

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH Description of Surface Soil:
Gray/white/yellow & Rust colored fluffy clay-like material w/ gray silty fine sand.

The drum disposal area was visually divided in two and the sample was collected on the south side from 4 spot locations within 10 feet of the center stake
See work plan Figure 4-1 for sketch

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC/PSA-6
Project Number: 3081-30
Sample Location ID: WCDS101XXX92XX
Time: Start: 935 End: 950

Site: Witmer Road
Date: 10-26-92
Signature of Sampler: S. Bagley

SOIL SAMPLE

DEPTH OF SAMPLE 0-1"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[X] HAND SPOON
[ ] ALUMINUM PANS
[X] SS BUCKET
[X] Rock Hammer

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR
[X] COLOR Black
[ ]
(a) Tar/Coal-like

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

Sample taken in eastern end of drum area. From area of tar like st

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC/PSA-6
Project Number: 2C81-30
Sample Location ID: WRDS1CAXXX92XX
Time: Start: 1010 End: 1030

Site: Witmer Road
Date: 10-28-92
Signature of Sampler: S. Rossley

SOIL SAMPLE

DEPTH OF SAMPLE _____

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[X] HAND SPOON
[ ] ALUMINUM PANS
[X] SS BUCKET
[X] Sledge Hammer
Rock Pick

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR _____
[X] COLOR Blackish
[ ] _____ (x) Rockish

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

PID Reading Background

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____
[ ]	[ ]	[ ]	[ ]		[ ]	____/____/____/____

NOTES/SKETCH Drum on North side on hilltop

Description

hard black crystalized w/ layer of rust on outside

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC/PSA-6
Project Number: 20E1-30
Sample Location ID: WIR05103XXX92XX
Time: Start: 1020 End: 1035

Site: Witmer Road
Date: 10-28-92
Signature of Sampler: S. Prezyna

SOIL SAMPLE

DEPTH OF SAMPLE 0-4"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[ ] SHOVEL
[X] HAND SPOON
[ ] ALUMINUM PANS
[X] SS BUCKET
[ ] _____

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR _____
[X] COLOR white/lgt gray
[ ] _____

DECONTAMINATION FLUIDS USED:
[✓] ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL
[X] Silt / Gravel

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

PID Reading Background

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH Sampled drum on North Side next to DS-102

SURFACE SOIL SAMPLE DATA RECORD

Project: NYSDEC / PSA-Le
Project Number: 2081-30
Sample Location ID: WRDS104XXX92XX
Time: Start: 1140 End: 1100

Site: Witmer Road
Date: 10/28/92
Signature of Sampler: SR J.C.

SOIL SAMPLE

DEPTH OF SAMPLE 0 - 1'

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[ ] S.S. SPLIT SPOON
[X] SHOVEL
[X] HAND SPOON
[X] ALUMINUM PANS
[X] SS BUCKET
[X] Sledge hammer

TYPE OF SAMPLE COLLECTED:
[X] DISCRETE
[ ] COMPOSITE

SAMPLE OBSERVATIONS:
[ ] ODOR
[X] COLOR brown / red
[ ]

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[ ] CLAY
[ ] SAND
[ ] ORGANIC
[ ] GRAVEL

rock-like broke up easily powder

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[ ] NO

RD Background

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]	[ ]		[ ]	

NOTES/SKETCH

see back of Fig 4.1

SURFACE SOIL SAMPLE DATA RECORD

Project: USDEC / PSA-6
Project Number: 9081-30
Sample Location ID: WRDS105XXX92XX
Time: Start: 1145 End: 1155

Site: Witmer Road
Date: 10/28/92
Signature of Sampler: [signature]

SOIL SAMPLE

DEPTH OF SAMPLE ~0-6"

EQUIPMENT USED FOR COLLECTION:
[ ] HAND AUGER
[X] S.S. SPLIT SPOON
[ ] SHOVEL
[ ] HAND SPOON
[ ] ALUMINUM PANS
[X] SS BUCKET
[ ] _____

TYPE OF SAMPLE COLLECTED:
[ ] DISCRETE
[X] COMPOSITE

SAMPLE OBSERVATIONS:
[X] ODOR None
[X] COLOR White/grey
[ ] _____

DECONTAMINATION FLUIDS USED:
✓ ALL USED
[ ] ETHYL ALCOHOL
[ ] 25% METHANOL/ 75% ASTM TYPE II WATER
[X] DEIONIZED WATER
[X] LIQUINOX SOLUTION
[ ] HEXANE
[ ] HNO_3 SOLUTION
[ ] POTABLE WATER
[ ] NONE

SOIL TYPE:
[X] CLAY
[ ] SAND
[ ] ORGANIC
[X] GRAVEL

FIELD GC DATA: [ ] FIELD DUPLICATE COLLECTED
DUPLICATE ID _____

SAMPLE LOCATION SKETCH:
[ ] YES
[X] NO

SAMPLES COLLECTED

✓ IF REQUIRED AT THIS LOCATION	MATRIX: SURFACE WATER	MATRIX: SEDIMENT	✓ IF PRESERVED WITH ACID-BASE	VOLUME REQUIRED	✓ IF SAMPLE COLLECTED	SAMPLE BOTTLE IDS
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /
[ ]	[ ]	[ ]	[ ]		[ ]	/ / /

NOTES/SKETCH See work plan figure 4-1
MASTER SKETCH

GROUNDWATER FIELD SAMPLE DATA RECORD

Project: PSA-6 NYSDEC
Project Number: 7081-30
Sample Location ID: MW-101
Time: Start: 1430 End:

Site: Wemet
Date: 11/16/92
Signature of Sampler:

Water Level/Well Data

Well Depth 20.63 Ft. — [X] Measured [ ] Historical — [X] Top of Well [ ] Top of Protective Casing

Well Riser Stick-up 1.87 Ft. (from ground)

Protective Casing/Well Difference 0.02 Ft.

Protective Casing 1.89 Ft.

Depth to Water 10.81 Ft.

Well Material: [X] PVC [ ] SS

Well Locked?: [X] Yes [ ] No

Well Dia. [X] 2 inch [ ] 4 inch [ ] 6 inch

Water Level Equip. Used: [X] Elect. Cond. Probe [ ] Float Activated [ ] Press. Transducer

Height of Water Column 9.82 Ft. X [✓] .16 Gal/Ft. (2 in.) [ ] .65 Gal/Ft. (4 in.) [ ] 1.5 Gal/Ft. (6 in.) [ ] Gal/Ft. (in.) = 1.6 Gal/Vol; 4.8 Total Gal Purged

Well Integrity:	Yes	No
Prot. Casing Secure	X	
Concrete Collar Intact	X	
Other		

Equipment Documentation

Purging/Sampling Equipment Used:

(✓ If Used For) Purging	Sampling		Equipment ID
X	X	Peristaltic Pump	05910-009
X	X	Bailer	—
X	X	PVC/Silicon Tubing	—
		Teflon/Silicon Tubing	
		Airlift	
		Hand Pump	
		In-line Filter	
		Press/Vac Filter	
		Submersible Pump	

Decontamination Fluids Used:

(✓ All That Apply at Location)
- [ ] Methanol (100%)
- [ ] 25% Methanol/75% ASTM Type II water
- [X] Deionized Water
- [X] Liquinox Solution
- [ ] Hexane
- [ ] HNO_3/D.I. Water Solution
- [ ] Potable Water
- [ ] None

Field Analysis Data

Ambient Air VOC -3.0 ppm Well Mouth -3.0 ppm Field Data Collected [ ] In-line [X] In Container

Sample Observations: [ ] Turbid [X] Clear [ ] Cloudy [ ] Colored [ ] Odor

Purge Data	@ 1.6 Gal.	@ 3.2 Gal.	@ 4.8 Gal.	@ — Gal.	@ — Gal.
Temperature, Deg. C	10.3	10.3	10.1		
pH, units	6.2	6.21	6.29		
Specific Conductivity (umhos/cm. @ 25 Deg. C.)	~~224~~ 608	609	624		
Oxidation - Reduction, +/- mv	224	214	222		
Dissolved Oxygen, ppm	10.0	8.6	8.4		
Turbidity (NTU's)	8	10	7		

Sample Collection Requirements

(✓ If Required at this Location)

Analytical Parameter	✓ If Field Filtered	Preservation Method	Volume Required	✓ If Sample Collected	Sample Bottle IDs
TCL VOC	—	—	2x40ml	✓	
TCL SVOC	—	—	2x1L	✓	
TCL Inorg.	—	HNO_3	1x1L	✓	
TCL Cyanide	—	NaOH	1x1L	✓	
TCL Pest/PCB	—	—	2x1L	✓	

4X

Notes: Collected Sample + MS/MSD # WRMW101X1892XX
Duplicate # WRMW101X1892XD

9202081D (a)

GROUNDWATER FIELD SAMPLE DATA RECORD

Project: NYSDEC PSA-6 Site: Witmer Road
Project Number: 7081-30 Date: 11-16-12
Sample Location ID: MW-102
Time: Start: 1515 End: Signature of Sampler: BK Buttl

Water Level/Well Data

Well Depth 26.60 Ft. [X] Measured [ ] Historical
[X] Top of Well [ ] Top of Protective Casing [ ] [ ]
Well Riser Stick-up (from ground) 1.8 Ft.
Protective Casing/Well Difference -0.21 Ft.
Protective Casing 2.01 Ft.

Depth to Water 12.00 Ft.
Well Material: [X] PVC [ ] SS [ ]
Well Locked?: [X] Yes [ ] No
Well Dia. [X] 2 inch [ ] 4 inch [ ] 6 inch [ ] [ ]
Water Level Equip. Used: [X] Elect. Cond. Probe [ ] Float Activated [ ] Press. Transducer [ ] [ ]

Height of Water Column 14.6 Ft. X [X] .16 Gal/Ft. (2 in.) [ ] .65 Gal/Ft. (4 in.) [ ] 1.5 Gal/Ft. (6 in.) [ ] [ ] Gal/Ft. (in.) = 2.4 Gal/Vol; 9.6 Total Gal Purged

Well Integrity:	Yes	No
Prot. Casing Secure	X	
Concrete Collar Intact	X	
Other		

Equipment Documentation

Purging/Sampling Equipment Used:

(✓ If Used For) Purging	Sampling		Equipment ID
X	X	Peristaltic Pump	05910-009
	X	Bailer	—
X	X	PVC/Silicon Tubing	—
		Teflon/Silicon Tubing	
		Airlift	
		Hand Pump	
		In-line Filter	
		Press/Vac Filter	
		Submersible Pump	

Decontamination Fluids Used:

(✓ All That Apply at Location)
- [ ] Methanol (100%)
- [ ] 25% Methanol/75% ASTM Type II water
- [X] Deionized Water
- [X] Liquinox Solution
- [ ] Hexane
- [ ] HNO_3/D.I. Water Solution
- [ ] Potable Water
- [ ] None
- [ ] [ ]
- [ ] [ ]

Field Analysis Data

Ambient Air VOC -2.5 ppm Well Mouth -2.5 ppm Field Data Collected [ ] In-line [X] In Container
Sample Observations: [ ] Turbid [X] Clear [ ] Cloudy [ ] Colored [ ] Odor

Purge Data	@ 2.4 Gal.	@ 4.8 Gal.	@ 7.2 Gal.	@ 9.6 Gal.	@ — Gal.
Temperature, Deg. C	9.7	10.3	10.2	10.2	—
pH, units	6.37	6.26	6.27	6.26	—
Specific Conductivity (umhos/cm. @ 25 Deg. C.)	592	~~348~~ 463	624	624	—
Oxidation - Reduction, +/- mv	184	218	198	243	—
Dissolved Oxygen, ppm	3.2	~~8~~ 3.0	2.8	2.4	—
Turbidity (NTU's)	7	5	6	5	—

Sample Collection Requirements (✓ If Required at this Location)

Analytical Parameter	✓ If Field Filtered	Preservation Method	Volume Required	✓ If Sample Collected	Sample Bottle IDs
TCL VOC	—	—	2x40ml	✓	/ / /
TCL SVOC	—	—	2x1L	✓	/ / /
TCL Inorg	—	HNO_3	1x1L	✓	/ / /
TCL Cyanide	—	NaOH	1x1L	✓	/ / /
TCL PEST/PCB	—	—	2x1L	✓	/ / /
					/ / /
					/ / /
					/ / /

Notes: # WRMW102X2492XX

9202081D (a)

GROUNDWATER FIELD SAMPLE DATA RECORD

Project: NYSDEC PSA-6 Site: Witmer Road
Project Number: 7081-30 Date: 11/16/92
Sample Location ID: MW-103 Signature of Sampler: BK Butler
Time: Start: 1605 End: 1640

Water Level/Well Data

Well Depth 26.60 Ft. — X Measured / ___ Historical
X Top of Well / ___ Top of Protective Casing
Well Riser Stick-up 1.60 Ft. (from ground)
Protective -0.02 Ft. Casing/Well Difference
Protective 1.68 Ft. Casing

Depth to Water 10.58 Ft.
Well Material: X PVC / ___ SS
Well Locked?: X Yes / ___ No
Well Dia. X 2 inch / ___ 4 inch / ___ 6 inch
Water Level Equip. Used: X Elect. Cond. Probe / ___ Float Activated / ___ Press. Transducer

Height of Water Column 16.02 Ft. X
X .16 Gal/Ft. (2 in.) / ___ .65 Gal/Ft. (4 in.) / ___ 1.5 Gal/Ft. (6 in.) / ___ Gal/Ft. (___ in.)
= [2.4 Gal/Vol / 9.6 Total Gal Purged

Well Integrity: Yes / No
Prot. Casing Secure: X / ___
Concrete Collar Intact: X / ___
Other ___

Equipment Documentation

Purging/Sampling Equipment Used:

(✓ If Used For) Purging	Sampling		Equipment ID
X	X	Peristaltic Pump	05910-009
X	X	Bailer	—
X	X	PVC/Silicon Tubing	—
___	___	Teflon/Silicon Tubing	
___	___	Airlift	
___	___	Hand Pump	
___	___	In-line Filter	
___	___	Press/Vac Filter	
___	___	Submersible Pump	

Decontamination Fluids Used: (✓ All That Apply at Location)
___ Methanol (100%)
___ 25% Methanol/75% ASTM Type II water
X Deionized Water
X Liquinox Solution
___ Hexane
___ HNO_3/D.I. Water Solution
___ Potable Water
___ None

Field Analysis Data

Ambient Air VOC -2.5 ppm Well Mouth -2.5 ppm Field Data Collected ___ In-line / X In Container
Sample Observations: ___ Turbid / X Clear / ___ Cloudy / ___ Colored / ___ Odor

Purge Data	@ 2.4 Gal.	@ 4.8 Gal.	@ 7.2 Gal.	@ 9.6 Gal.	@ — Gal.
Temperature, Deg. C	9.8	10.7	10.8	10.8	—
pH, units	6.09	5.97	5.95	5.94	—
Specific Conductivity (umhos/cm. @ 25 Deg. C.)	1671	1673	1879	1884	—
Oxidation - Reduction, +/- mv	221	247	256	249	—
Dissolved Oxygen, ppm	4.0	4.4	1.9	2.0	—
Turbidity (NTU's)	2	3	1.26	2.17	—

Sample Collection Requirements (✓ If Required at this Location)

Analytical Parameter	✓ If Field Filtered	Preservation Method	Volume Required	✓ If Sample Collected	Sample Bottle IDs
TCL VOC	—	—	2X40ml	✓	
TCL SVOC	—	—	2X1L	✓	
TCL Inorg	—	HNO_3	1X1L	✓	
Cyanide	—	NaOH	1X1L	✓	
TCL Pest/PCB	—	—	2X1L	✓	

Notes: # WRMW103X2492XX

9202081D (a)