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WESTON SOLUTIONS®

REMOVAL SUPPORT TEAM
EPA CONTRACT 68-W-00-113

Weston Solutions, Inc.
Federal Programs Division
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www.westonsolutions.com

December 6, 2004

Mr. Kevin Matheis, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
111 W. Huron Street, Room 1114
Buffalo, New York 1402

EPA CONTRACT NO: 68-W-00-113
TECHNICAL DIRECTIVE DOCUMENT NUMBER: 02-04-08-0043
DOCUMENT CONTROL NUMBER: RST-02-F-01652
SUBJECT: OPERABLE UNIT 3B - SOIL SAMPLING AND XRF FIELD SCREENING TRIP REPORT ROBLIN STEEL SITE DUNKIRK, CHAUTAUQUA COUNTY, NEW YORK

Dear Mr. Matheis:

Enclosed please find the revised Operable Unit 3B Soil Sampling and XRF Field Screening Trip Report, for the Roblin Steel Site located at 320 South Roberts Road, Dunkirk, New York. If you have any questions or comments, please contact me at (732) 225-6116, extension 236.

Sincerely,

WESTON SOLUTIONS, INC.

Carrie Shapiro

Carrie Shapiro
Site Project Manager

Enclosure
cc: TDD File # 02-04-08-0043

SAMPLING TRIP REPORT

SITE NAME:	Roblin Steel Site DCN No: RST-02-F-01652 TDD No: 02-04-08-0043
EPA SITE ID NO.:	AP
SITE LOCATION:	Roblin Steel Site 320 South Roberts Road Dunkirk, New York (Figure 1)
SAMPLING DATES:	September 10 - September 16, 2004

1.0 Site Description

The Roblin Steel site is located at 320 South Roberts Road in Dunkirk, NY (Figure 1). The Site was originally developed as a locomotive manufacturing facility by the American Locomotive Company (ALCO). Locomotives were manufactured at the facility from 1910 to 1930 at which time the facility was converted to manufacture process plant equipment. During and after World War II, the plant was extended to include the manufacturing of military equipment. Historical site plans indicate that three above ground fuel oil storage and three pickling tanks were located on the site at one time. The plans also indicated that the plant was used for the application of corrosion preventive coatings to municipal water pipes and fabrication of missiles until its closure in 1962. The plant was purchased by Progress Park in 1963.

In 1969, the property was acquired by Roblin Steel. From 1969 until 1987, the plant was operated by Roblin Steel as a steel reclamation facility. Processes used to reclaim the steel generated emissions control dust (K061), which is listed as a Resource Conservation and Recovery Act (RCRA) hazardous waste. After the facility shut down, a salvage company was contracted to remove the equipment from the plant. In 1990, the property was acquired by MRDI, which continued the salvage process, and began to demolish the plant. During this time, environmental investigations began at the plant.

Under the Site Investigation/Remedial Alternatives Report (SI/RAR) developed by Chautauqua County, the EPA identified three operable units (OUs) (Attachment A). The OUs were designated OU-3A, OU-3B, and OU-5. Area OU-5 contains elevated levels of PCBs in debris and soil. Areas OU-3A and OU-3B are contaminated with K061 containing elevated levels of lead. Beginning in August 2004, EPA initiated a removal action at the site to address the disposal of waste withing these three OU areas. This report discusses OU-3B.

1.1 SITE ACTIVITIES

All sampling activities discussed henceforth are related specifically to Operable Unit 3B, and the screening locations along the southern perimeter of the operable unit. On August 9, 2004, the EPA On-Scene Coordinator (OSC), The Emergency Rapid Response Service Cleanup Contractor, and the Removal Support Team (RST) conducted a site walk-though, during which the three operable units (OUs), 3A, 3B, and 5 were identified. On August 18, the EPA, RST and the ERRS Contractor returned to the site to begin the mercury vapor lamp removal. During initial site activities, RST conducted cleanup contractor oversight, provided documentation support, and performed particulate air monitoring.

Following the initial excavation of approximately four inches of soil, RST created a 20' x 20' grid covering the entire area. The grid was started on the northern perimeter of the area, and consisted of five transects, A-E (see Figure 3). After each sample location was established, a soil sample was collected, and analyzed with a Niton XLi 722 XRF using the prepared cup method for 60 seconds (refer to Appendix A). The purpose of the XRF screening was to determine if the concentration of lead in the soil was below the site specific action level of 1,000 parts per million (ppm).

Based on the XRF results, it was determined that further excavation was necessary. To better guide the excavation process, RST re-analyzed several "hot spots" in-situ with the XRF. The in-situ testing was performed at depths ranging from 10 -16 inches below the original grade (see Appendix B). Based on the in-situ XRF findings, it was recommended that the area be excavated one more foot below grade, or until groundwater was reached.

After the second excavation, 12 sample locations were re-sampled, and analyzed with the XRF using the prepared cup method (see Appendix C). The selected sample locations yielded lead results above the site specific action level with the XRF during the initial screening process. Results indicated that only two locations were still above the action level. All other locations were sampled, and prepared for submission to the laboratory. The two "hot spots", OU-3B-B4 and OU-3B-C1, were excavated for a third time. Prior to a third sampling of the locations, an in-situ reading with the XRF was taken at each location (refer to Appendix D). Both areas yielded results below the site action level. The samples were then prepared for laboratory analysis. As in OU-3A, samples were analyzed for total lead. A total of 10% were also analyzed for TAL metals (refer to Appendix E).

Three random screening locations positioned outside of the southern perimeter of OU-3B were screened with the XRF using the prepared cup method (see Figure 3). The areas tested showed signs of either soil disturbance, characterized by a reddish coloring of the soil (possibly indicating the presence of K061), or consisted of a mound of soil. All three characterizations indicate that possible dumping may have occurred, leading to contamination. The XRF screening results indicated lead concentrations below the site specific action level of 1,000 ppm (refer to Appendix F). The screening was done to roughly determine if OU-3B might consist of a larger area than was originally determined. After sampling was completed, all sample locations were logged using a Global Positioning System

(GPS) technology (refer to Appendix G). Upon meeting clean-up objectives, the excavated area was backfilled with crushed stone, concrete, and brick from on-site stock piles.

2.0 Soil Sampling:

2.1 Sample Descriptions: Refer to Tables 1

2.2 Laboratory Receiving Samples:

Sample Type	Name & Address of Laboratory	Parameters
Soil	Paradigm Environmental Services 179 Lake Avenue Rochester, New York	Total Lead, TAL Metals

2.3 Sample Dispatch Data:

- On September 13, 2004, thirty-eight soil samples including three duplicate samples, and additional volume for Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were submitted to a Paradigm Environmental Services courier for transport to Paradigm's laboratory in Rochester, NY. Thirty-two samples were analyzed for lead and six samples were analyzed for TAL metals (refer to Table 1and Appendix G).

- On September 16,2004, three soil samples including one duplicate and additional volume for MS/MSD analysis were submitted to a Paradigm Environmental Services courier for transport to Paradigm's laboratory in Rochester, NY, for lead analysis (refer to Table 1 and Appendix G).

Custody of all samples was relinquished by RST to the ERRS Contractor prior to pick-up by Paradigm's courier.

2.4 On-Site Personnel:

Name	**Representing**	**Duties on Site**
Kevin Matheis	EPA-Region II	On-Scene Coordinator
Scott Soden	WRS	Response Manager

Todd J. Kast	RST - Region II	Site Project Manager, Sample Collection, Sample Management, XRF Field Screening, GPS
Carrie Shapiro	RST - Region II	Site Health and Safety Coordinator, XRF Field Screening, Sample Collection, GPS

2.5 Additional Comments:

Prior to laboratory analysis, all soil samples were dried in an oven and processed with a s ieve to remove large pieces of debris. The samples were also screened with the Niton XLi 722 either in-situ or with the prepared cup method. Samples that yielded XRF results below the action level of 1,000 ppm lead were sent to the laboratory for analysis. In areas where the XRF results were above the action level, the area was excavated further, and re-analyzed with the XRF.

XRF results were also used to determine the sample analysis performed by the laboratory. Those yielding high metal readings other than lead, such as cadmium and chromium, were submitted for TAL metals analysis.

Figures - Figure 1: Site Location Map - Roblin Steel Site
Figure 2: Site Map - Roblin Steel Site
Figure 3: Operable Unit 3B - Sample and Screening Location Map

Table 1 - OU-3B Sample Descriptions

Appendix A - Post Initial Excavation XRF Field Screening Results

Appendix B- XRF Field Screening Results for Samples at Depth

Appendix C - Post Secondary Excavation XRF Field Screening Results

Appendix D - In-Situ Post Third Excavation XRF Results

Appendix E - Post Third Excavation Preliminary Laboratory Results

Appendix F - XRF Results for Screening Locations

Appendix G - Chain of Custody and Notice to Laboratory Personnel Forms

Appendix H - Sample Locations GPS Coordinates

Report prepared by: Carrie Shapiro Date: 12/6/04

Carrie Shapiro
RST Site Project Manager

Report reviewed by: Date: 12/6/04

John Brennan
RST Group Leader

TABLE 1

Sample Descriptions

Table 1
OU-3B
Sample Descriptions
For Laboratory Analysis

Sample Date	Sample ID*	Location	Depth	Analysis	Comments
10-Sep-04	OU-3B-A3	OU-3B	Surface	Full TAL	
10-Sep-04	OU-3B-A7	OU-3B	Surface	Lead	
10-Sep-04	OU-3B-B4	OU-3B	Surface	Full TAL	
10-Sep-04	OU-3B-B7	OU-3B	Surface	Lead	
10-Sep-04	OU-3B-B8	OU-3B	Surface	Full TAL	Duplicate of OU-3B-B4
10-Sep-04	OU-3B-C1	OU-3B	Surface	Full TAL	
10-Sep-04	OU-3B-C4	OU-3B	Surface	Lead	
10-Sep-04	OU-3B-C5	OU-3B	Surface	Full TAL	
10-Sep-04	OU-3B-D5	OU-3B	Surface	Lead	
10-Sep-04	OU-3B-D7	OU-3B	Surface	Lead	
10-Sep-04	OU-3B-E1	OU-3B	Surface	Lead	MS/MSD
10-Sep-04	OU-3B-E4	OU-3B	Surface	Lead	
10-Sep-04	OU-3B-E6	OU-3B	Surface	Full TAL	
11-Sep-04	OU-3B-A1	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-A2	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-A4	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-A5	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-A6	OU-3B	Surface	Lead	MS/MSD
11-Sep-04	OU-3B-B1	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-B2	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-B3	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-B5	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-B6	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-C2	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-C3	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-C6	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-C7	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-D1	OU-3B	Surface	Lead	MS/MSD
11-Sep-04	OU-3B-D2	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-D3	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-D4	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-D6	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-D8	OU-3B	Surface	Lead	Duplicate of OU-3B-D3
11-Sep-04	OU-3B-E2	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-E3	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-E5	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-E7	OU-3B	Surface	Lead	
11-Sep-04	OU-3B-E8	OU-3B	Surface	Lead	Duplicate of OU-3B-C6
16-Sep-04	OU-3B-B4 **	OU-3B	Surface	Lead	MS/MSD
16-Sep-04	OU-3B-C1 **	OU-3B	Surface	Lead	
16-Sep-04	OU-3B-C8 **	OU-3B	Surface	Lead	Duplicate of OU-3B-C1

* Samples collected @ surface of inital excavation depth of approx. 4 inches.
** Samples collected after secondary excavation of approx. 1 foot.

FIGURE 1

Site Location Map

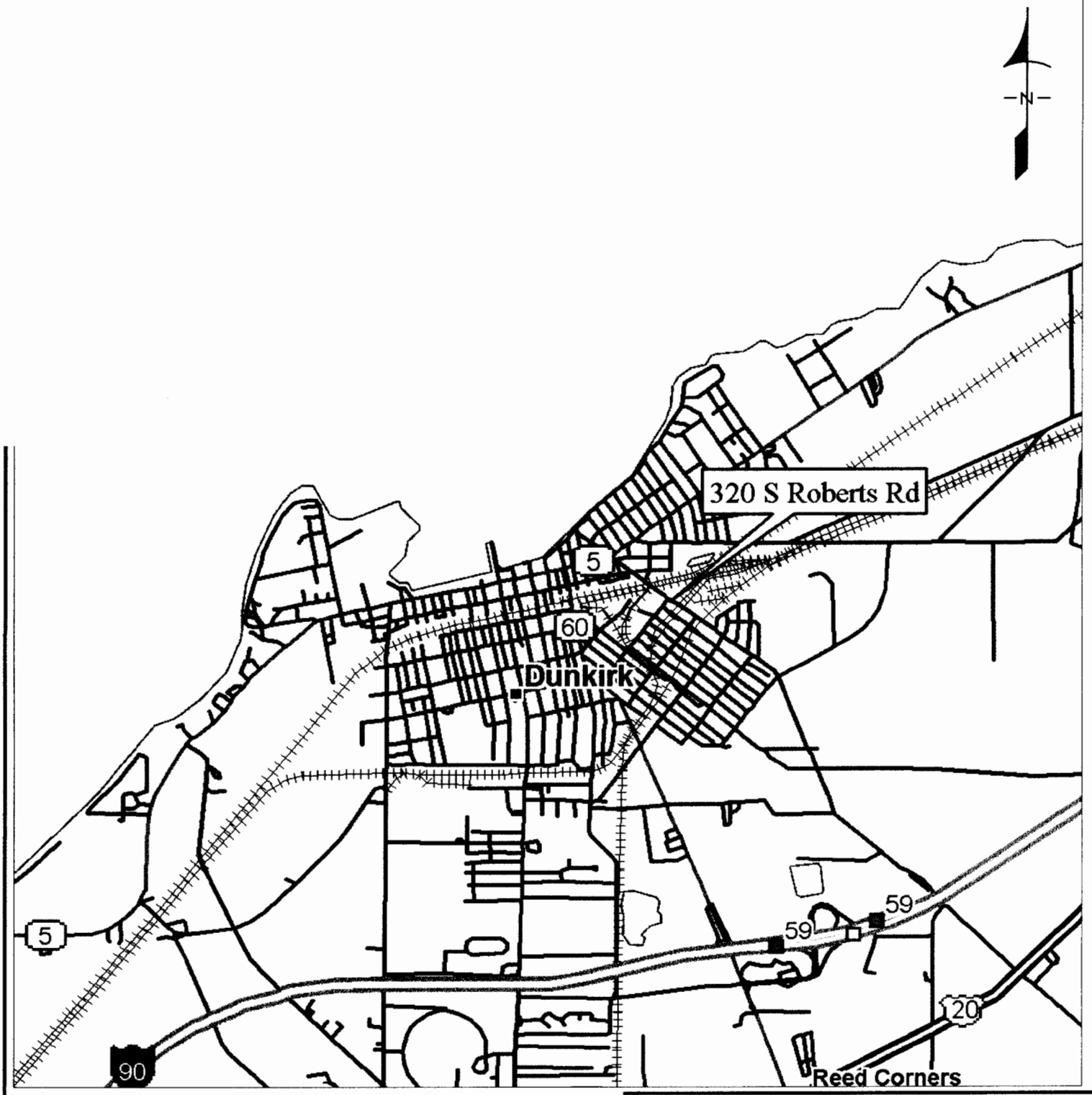

FIGURE 1
SITE LOCATION MAP
ROBLIN STEEL
DUNKIRK, NY

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # 68-W-00-113

EDITED BY: W. HENSPERGER

EPA OSC: K. MATHEIS

SITE PROJECT MANAGER: T. KAST

FILE: D:\DWG\ROBLIN1

WESTON SOLUTIONS
Restoring Resource Efficiency

Weston Solutions Inc.
FEDERAL PROGRAMS DIVISION

IN ASSOCIATION WITH SCIENTIFIC ENVIRONMENTAL ASSOCIATES, INC.
TERRANEAR TECHNOLOGIES GROUP,
AND INNOVATIVE TECHNOLOGICAL SOLUTIONS INC.

FIGURE 2

Site Map
Roblin Steel

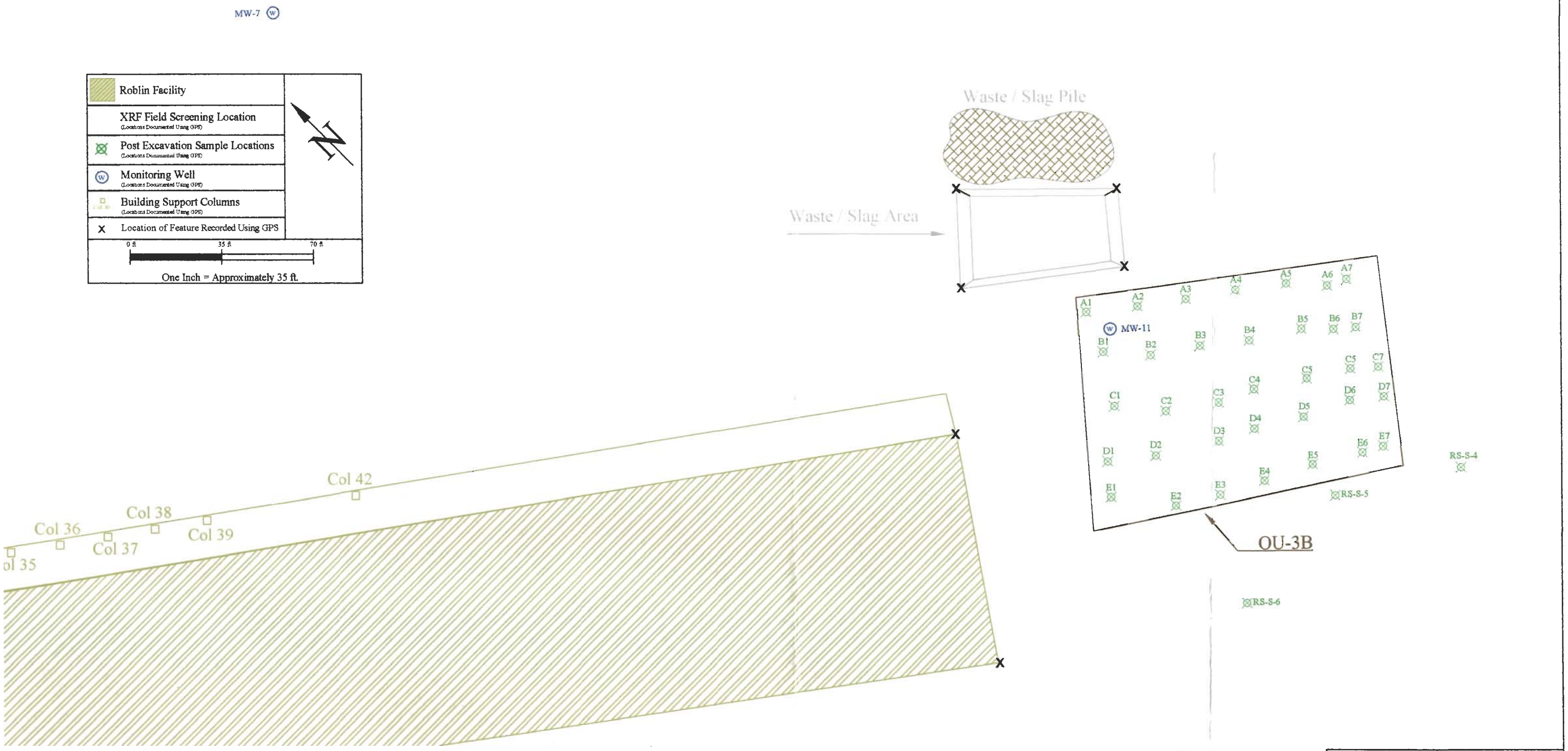

FIGURE 3
OPERABLE UNIT 3B-SAMPLE LOCATION MAP

ROBLIN STEEL
320 SOUTH ROBERTS ROAD
DUNKIRK, NEW YORK

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # 68-W-00-113

Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,,
AND TERRANEARPPMC TECHNOLOGIES GROUP

DRAWN BY: T. KISH
EPA OSC: KEVIN MATHEIS
RST SPM: C. SHAPIRO
FILENAME: ROBLIN STEEL OU3B.DWG

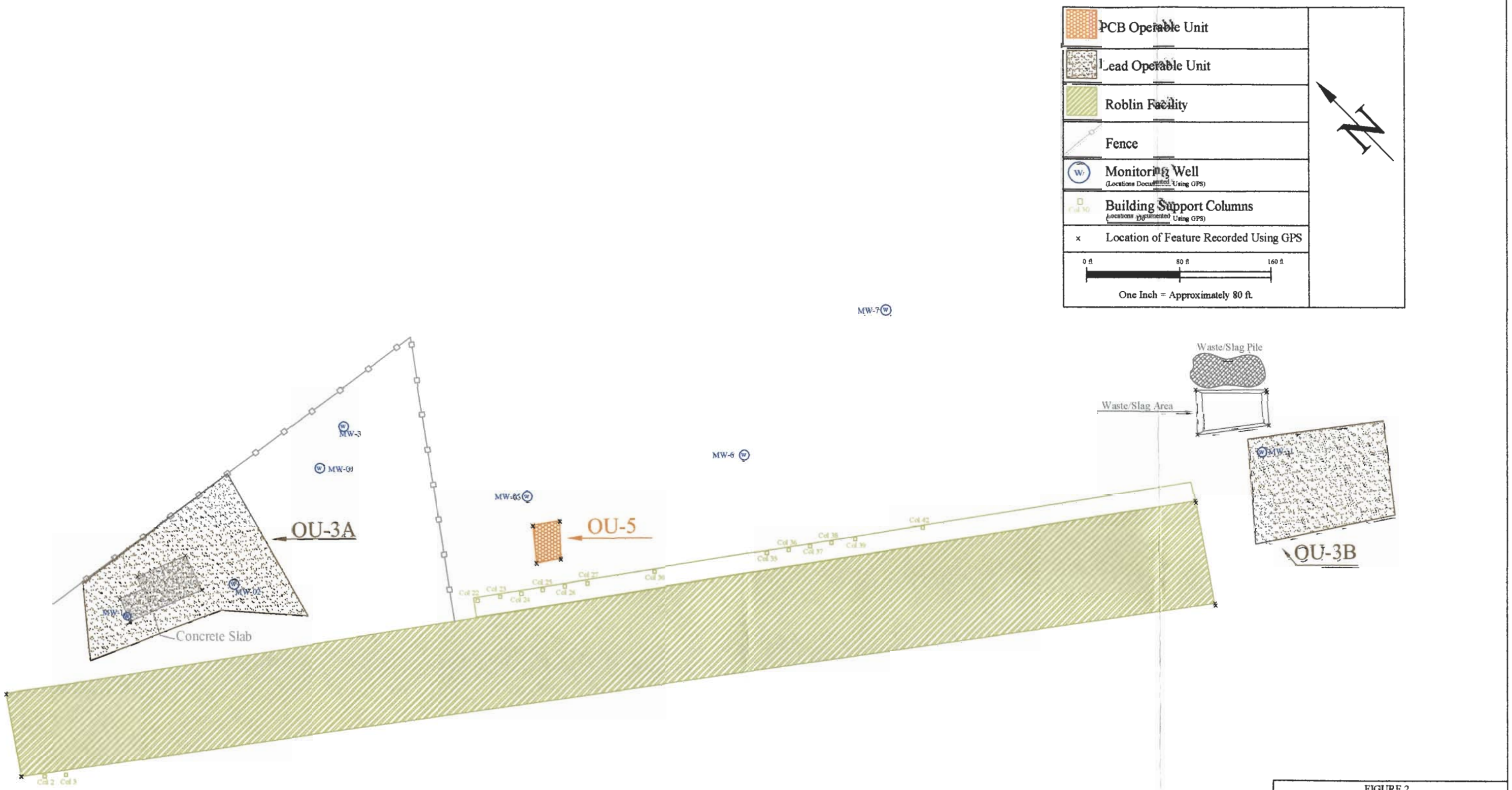

FIGURE 2
SITE MAP

ROBLIN STEEL
320 SOUTH ROBERTS ROAD
DUNKIRK, NEW YORK

Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,
AND TERRANEARPMC, LLC.

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # 68-W-00-113

DRAWN BY: T. KISH
EPA OSC: KEVIN MATHEIS
RST SPM: C. SHAPIRO
FILENAME: ROBLIN STEEL MAP1.DWG

FIGURE 3

OU-3B Sample and Field Screening
Location Map

APPENDIX A

Post Initial Excavation
XRF Field Screening Results

Roblin Steel Site
Dunkirk, NY

OU-3B
Prepared Cup
XRF Field Screening Results
Post Inital Excavation

Removal Support Team
September 2, 2004

Index	Date & Time	Sample ID	Pb	Pb Error
1	9/2/2004 12:41	3B-A1	692.9	62.45
2	9/2/2004 12:57	3B-A2	854.16	62.78
3	9/2/2004 13:01	3B-A3	2484.76	136.38
4	9/2/2004 13:05	3B-A4	1013.79	74.96
5	9/2/2004 13:09	3B-A5	282.21	35.84
6	9/2/2004 13:13	3B-A6	720.5	69.94
7	9/2/2004 13:18	3B-A7	351.65	57.41
8	9/2/2004 13:23	3B-B1	1331.24	86.52
9	9/2/2004 13:27	3B-B2	2532.19	129.73
10	9/2/2004 13:30	3B-B3	1806.28	111.47
11	9/2/2004 13:33	3B-B4	2570.47	159.17
12	9/2/2004 13:38	3B-B5	901.71	70.4
13	9/2/2004 13:56	B3-B6	770.31	69.1
14	9/2/2004 14:05	B3-B7	274294.7	35398.99
15	9/2/2004 14:22	B3-C1	3655.72	175.39
16	9/2/2004 14:25	B3-C2	1686.87	101.02
17	9/2/2004 14:32	B3-C3	1406.66	85.9
18	9/2/2004 14:35	B3-C4	2036.72	108.87
19	9/2/2004 14:38	B3-C5	2567.69	157.25
20	9/2/2004 14:42	B3-C6	1460.64	104.34
21	9/2/2004 14:45	B3-C7	632.26	67.03
22	9/2/2004 14:48	B3-D1	378.73	33.89
23	9/2/2004 14:51	B3-D2	493.96	39.15
24	9/2/2004 14:54	B3-D3	2127.2	109.67
25	9/2/2004 14:57	B3-D4	556.62	59.47
26	9/2/2004 15:01	B3-D5	1002.54	95
27	9/2/2004 15:03	B3-D6	879.22	103.36
28	9/2/2004 15:06	B3-D7	927.59	89.18
29	9/2/2004 15:10	B3-E1	1095.52	98.06
30	9/2/2004 15:13	B3-E2	959.2	74.75
31	9/2/2004 15:16	B3-E3	413.91	48.39
32	9/2/2004 15:19	B3-E4	747.55	74.83
33	9/2/2004 15:23	3B-E5	829.96	89.91
34	9/2/2004 15:26	3B-E6	25.46	20.26
35	9/2/2004 15:32	3B-E7	683.42	74.17
36	9/2/2004 15:40	3B-B7	751.13	69.3

Error: 95% Confidence Interval, The numeric range between which results would be expected to fall 95% of the time.

NIST 2709, 2710, 2711 are National Institute of Standards and Technology standards for lead

OU-3B-B7 was analyzed twice (index # 14 & 36) due to the extremely high lead result found during the initial reading (index # 14).

APPENDIX B

In-Situ XRF Results
For At Depth Samples

Roblin Steel Site
Dunkirk, NY

OU-3B
In-Situ

Removal Support Team
September 3, 2004

XRF Field Screening Results
Depth Samples

Index	Date &Time	Sample ID	Resolution	Pb	Pb Error
1	9/3/2004 8:11	SHUTTER_CAL	282.21	0.24	0
2	9/3/2004 8:13	NIST-2709		< LOD : 20.25	
3	9/3/2004 8:16	NIST-2710		4795.69	125.68
4	9/3/2004 8:19	NIST-2711		1095.17	51.18
5	9/3/2004 8:22	BLANK		< LOD : 18.16	
6	9/3/2004 9:35	IN-3B-A2-S		737.68	59.63
7	9/3/2004 9:44	IN-3B-A2-2		1394.91	85.65
8	9/3/2004 9:55	IN-3B-A3-6		1073.31	73.09
9	9/3/2004 10:03	IN-3B-A3-8		795.93	63.27
10	9/3/2004 10:13	IN-3B-A4-4		622.8	264.99
11	9/3/2004 10:16	IN-3B-A4-4		567.85	51.14
12	9/3/2004 10:20	IN-3B-B7-S		228.73	35.62
13	9/3/2004 10:24	IN-3B-B7-S2		2118.82	137.66
14	9/3/2004 10:36	IN-3B-B7-12		89.98	18.73
15	9/3/2004 10:44	IN-3B-B7-12-2		56.64	23.21
16	9/3/2004 10:52	IN-3B-B5-6		1135.53	74.22
17	9/3/2004 11:04	IN-3B-B5-12		371.72	39.33
18	9/3/2004 11:16	IN-3B-C5-4		884.37	87.55
19	9/3/2004 11:23	IN-3B-D5-S		643.56	66.6
20	9/3/2004 11:30	IN-3B-D5-2		681.63	64.71

Sample Identification:
S- Surface reading
- depth in inches.
Location OU-3B-A2, hit groundwater 2 inches below original excavation, could not screen any lower.
Location OU-3B-C5, hit slag/rock @ approximately 4 inches down.
Location OU-3B-D5 slag/rock found just below surface @ approximately 2 inches.

Error: 95% Confidence Interval, The numeric range between which results
would be expected to fall 95% of the time.
NIST 2709, 2710, 2711 are National Institute of Standards and Technology
standards for lead

APPENDIX C

Post Secondary Excavation
XRF Field Screening Results

Roblin Steel Site
Dunkirk, NY

Ou-3B
Prepared Cup
XRF Field Screening Results
Post Second Excavation

Removal Support Team
September 10, 2004

Index	Date & Time	Sample ID	Pb	Pb Error
1	9/10/2004 17:18	SHUTTER_CAL	0.29	0
2	9/10/2004 17:21	NIST-2709	23.44	14.01
3	9/10/2004 17:23	NIST-2710	5368.56	118.94
4	9/10/2004 17:26	NIST-2711	1092.27	49.3
5	9/10/2004 17:28	BLANK	< LOD : 16.75	
6	9/10/2004 17:31	OU-3B-A3	942.37	55.92
7	9/10/2004 17:34	OU-3B-A7	178.89	23.14
8	9/10/2004 17:37	OU-3B-B4	2261.38	131.24
9	9/10/2004 17:39	OU-3B-B7	112.26	30.2
10	9/10/2004 17:42	OU-3B-C5	315.46	37.99
11	9/10/2004 17:44	OU-3B-D5	220.23	31.32
12	9/10/2004 17:47	OU-3B-D7	257.34	39.86
13	9/10/2004 17:49	OU-3B-E1	66.5	18.4
14	9/10/2004 17:52	OU-3B-E4	144.74	27.41
15	9/10/2004 17:55	OU-3B-E6	134.98	36.21
16	9/10/2004 18:06	OU-3B-C1	797.62	50.19
17	9/10/2004 18:09	OU-3B-C4	691.02	56.65

Error: 95% Confidence Interval, The numeric range between which results would be expected to fall 95% of the time.

NIST 2709, 2710, 2711 are National Institute of Standards and Technology standards for lead

APPENDIX D

Post Third Excavation
In-Situ XRF Field Screening Results

Roblin Steel Site
Dunkirk, NY

OU-3B
In-Situ

Removal Support Team
September 16, 2004

XRF Field Screening Results
Post Third Excavation

Index	Time	Sample ID	Res	Pb	Pb Error
1	9/16/2004 9:24	SHUTTER_CAL	294.3154	0.17	0
2	9/16/2004 10:15	IN-OU-3B-C1		47.62	15.05
3	9/16/2004 10:17	IN-OU-3B-C1-EW		316.69	41.09
4	9/16/2004 10:18	IN-OU-3B-C1-EW		382.68	49.7
5	9/16/2004 10:23	IN-OU-3B-B4		28.17	14.5

Sample Identification:
EW: Eastern wall of excavated hole.
Error: 95% Confidence Interval, The numeric range between which results would be expected to fall 95% of the time.
NIST 2709, 2710, 2711 are National Institute of Standards and Technology standards for lead

APPENDIX E

Preliminary Laboratory Results

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	WRS	**Lab Project No.:**	04-2648
Client Job Site:	Roblin Steel	**Sample Type:**	Soil
		Method:	SW 846: 3050, 6010
Client Job No.:	504091		
		Date(s) Sampled:	09/10-09/11/2004
		Date Received:	09/13/2004
		Date Analyzed:	09/15/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
8999	N/A	OU-3B-A7	76.6
9000	N/A	OU-3B-B1	522
9001	N/A	OU-3B-B2	503
9002	N/A	OU-3B-B3	670
9004	N/A	OU-3B-B5	364
9005	N/A	OU-3B-B6	298
9006	N/A	OU-3B-B7	42.7
9009	N/A	OU-3B-C2	505
9010	N/A	OU-3B-C3	400
9011	N/A	OU-3B-C4	948

ELAP ID No.: 10958

Comments:

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDC

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	WRS	**Lab Project No.:**	04-2648
Client Job Site:	Roblin Steel	**Sample Type:**	Soil
		Method:	SW 846: 3050, 6010
Client Job No.:	504091		
		Date(s) Sampled:	09/10-09/11/2004
		Date Received:	09/13/2004
		Date Analyzed:	09/15/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
9013	N/A	OU-3B-C6	351
9014	N/A	OU-3B-C7	326
9015	N/A	OU-3B-D1	115
9016	N/A	OU-3B-D2	372
9017	N/A	OU-3B-D3	799
9018	N/A	OU-3B-D4	117
9019	N/A	OU-3B-D5	174
9020	N/A	OU-3B-D6	63.1
9021	N/A	OU-3B-D7	146
9022	N/A	OU-3B-D8	829

ELAP ID No.: 10958

DRAFT

Comments:

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDC

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS
Client Job Site: Roblin Steel
Client Job No.: 504091

Lab Project No.: 04-2648
Sample Type: Soil
Method: SW 846: 3050, 6010
Date(s) Sampled: 09/10-09/11/2004
Date Received: 09/13/2004
Date Analyzed: 09/15/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
9023	N/A	OU-3B-E1	119
9024	N/A	OU-3B-E2	23.1
9025	N/A	OU-3B-E3	497
9026	N/A	OU-3B-E4	112
9027	N/A	OU-3B-E5	30.4
9029	N/A	OU-3B-E7	138
9030	N/A	OU-3B-E8	253

DRAFT

ELAP ID No.: 10958

Comments:

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARDC

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3B-B4
Field ID No.: N/A

Lab Project No.: 04-2648
Lab Sample No. 9003
Sample Type: Soil
Date Sampled: 09/10/2004
Date Received: 09/13/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/15/2004	SW846 6010	12300
Antimony	09/15/2004	SW846 6010	20.3
Arsenic	09/15/2004	SW846 6010	17.0
Barium	09/15/2004	SW846 6010	165
Beryllium	09/15/2004	SW846 6010	1.63
Cadmium	09/15/2004	SW846 6010	42.3
Calcium	09/15/2004	SW846 6010	66500
Chromium	09/15/2004	SW846 6010	4.11
Cobalt	09/15/2004	SW846 6010	11.2
Copper	09/15/2004	SW846 6010	310
Iron	09/15/2004	SW846 6010	166000
Lead	09/15/2004	SW846 6010	1570
Magnesium	09/15/2004	SW846 6010	17800
Manganese*	09/15/2004	SW846 6010	12800
Mercury	09/15/2004	SW846 7471	0.0558
Nickel	09/15/2004	SW846 6010	131
Potassium	09/15/2004	SW846 6010	1090
Selenium	09/15/2004	SW846 6010	2.08
Silver	09/15/2004	SW846 6010	7.56
Sodium*	09/15/2004	SW846 6010	315
Thallium	09/15/2004	SW846 6010	10.4
Vanadium	09/15/2004	SW846 6010	26.1
Zinc*	09/15/2004	SW846 6010	85600

ELAP ID No.:10958

DRAFT

Comments: * Estimated values
Laboratory control spike and spike duplicate recovered 114% and 102% respectively for Calcium.

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARD

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3B-B8
Field ID No.: N/A

Lab Project No.: 04-2648
Lab Sample No. 9007
Sample Type: Soil
Date Sampled: 09/10/2004
Date Received: 09/13/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/15/2004	SW846 6010	13000
Antimony	09/15/2004	SW846 6010	18.2
Arsenic	09/15/2004	SW846 6010	18.7
Barium	09/15/2004	SW846 6010	175
Beryllium	09/15/2004	SW846 6010	1.82
Cadmium	09/15/2004	SW846 6010	42.6
Calcium	09/15/2004	SW846 6010	68400
Chromium	09/15/2004	SW846 6010	425
Cobalt	09/15/2004	SW846 6010	9.51
Copper	09/15/2004	SW846 6010	311
Iron	09/15/2004	SW846 6010	150000
Lead	09/15/2004	SW846 6010	1600
Magnesium	09/15/2004	SW846 6010	20100
Manganese*	09/15/2004	SW846 6010	12900
Mercury	09/15/2004	SW846 7471	0.0439
Nickel	09/15/2004	SW846 6010	122
Potassium	09/15/2004	SW846 6010	1100
Selenium	09/15/2004	SW846 6010	4.39
Silver	09/15/2004	SW846 6010	7.90
Sodium*	09/15/2004	SW846 6010	367
Thallium	09/15/2004	SW846 6010	11.5
Vanadium	09/15/2004	SW846 6010	23.0
Zinc*	09/15/2004	SW846 6010	86800

ELAP ID No.:10958

DRAFT

Comments: * Estimated values
Laboratory control spike and spike duplicate recovered 114% and 102% respectively for Calcium.

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARD

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS

Client Job Site: Roblin Steel

Client Job No.: 504091

Field Location: OU-3B-C1
Field ID No.: N/A

Lab Project No.: 04-2648
Lab Sample No. 9008

Sample Type: Soil

Date Sampled: 09/10/2004
Date Received: 09/13/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/15/2004	SW846 6010	9920
Antimony	09/15/2004	SW846 6010	20.7
Arsenic	09/15/2004	SW846 6010	12.6
Barium	09/15/2004	SW846 6010	187
Beryllium	09/15/2004	SW846 6010	0.636
Cadmium	09/15/2004	SW846 6010	24.7
Calcium	09/15/2004	SW846 6010	32000
Chromium	09/15/2004	SW846 6010	195
Cobalt	09/15/2004	SW846 6010	8.47
Copper	09/15/2004	SW846 6010	167
Iron	09/15/2004	SW846 6010	75200
Lead	09/15/2004	SW846 6010	1600
Magnesium	09/15/2004	SW846 6010	9520
Manganese	09/15/2004	SW846 6010	6290
Mercury	09/15/2004	SW846 7471	0.2065
Nickel	09/15/2004	SW846 6010	61.7
Potassium	09/15/2004	SW846 6010	1340
Selenium	09/15/2004	SW846 6010	<0.496
Silver	09/15/2004	SW846 6010	4.37
Sodium*	09/15/2004	SW846 6010	272
Thallium	09/15/2004	SW846 6010	5.29
Vanadium	09/15/2004	SW846 6010	18.9
Zinc*	09/15/2004	SW846 6010	30500

DRAFT

ELAP ID No.:10958

Comments: * Estimated values

Laboratory control spike and spike duplicate recovered 114% and 102% respectively for Calcium.

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARD

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3B-C5
Field ID No.: N/A

DRAFT

Lab Project No.: 04-2648
Lab Sample No. 9012
Sample Type: Soil
Date Sampled: 09/10/2004
Date Received: 09/13/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/15/2004	SW846 6010	40200
Antimony	09/15/2004	SW846 6010	<6.03
Arsenic	09/15/2004	SW846 6010	5.78
Barium	09/15/2004	SW846 6010	305
Beryllium	09/15/2004	SW846 6010	5.74
Cadmium	09/15/2004	SW846 6010	4.90
Calcium	09/15/2004	SW846 6010	188000
Chromium	09/15/2004	SW846 6010	68.4
Cobalt	09/15/2004	SW846 6010	4.26
Copper	09/15/2004	SW846 6010	41.3
Iron	09/15/2004	SW846 6010	45200
Lead	09/15/2004	SW846 6010	178
Magnesium	09/15/2004	SW846 6010	43200
Manganese	09/15/2004	SW846 6010	3040
Mercury	09/15/2004	SW846 7471	<0.0192
Nickel	09/15/2004	SW846 6010	44.2
Potassium	09/15/2004	SW846 6010	2770
Selenium	09/15/2004	SW846 6010	1.73
Silver	09/15/2004	SW846 6010	1.20
Sodium*	09/15/2004	SW846 6010	1090
Thallium	09/15/2004	SW846 6010	<0.603
Vanadium	09/15/2004	SW846 6010	9.18
Zinc	09/15/2004	SW846 6010	2990

ELAP ID No.:10958

Comments: * Estimated values

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3B-E6
Field ID No.: N/A

Lab Project No.: 04-2648
Lab Sample No. 9028
Sample Type: Soil
Date Sampled: 09/10/2004
Date Received: 09/13/2004

Laboratory Report for TAL Metals Analysis in Solid

DRAFT

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/15/2004	SW846 6010	23000
Antimony	09/15/2004	SW846 6010	17.3
Arsenic	09/15/2004	SW846 6010	6.36
Barium	09/15/2004	SW846 6010	185
Beryllium	09/15/2004	SW846 6010	4.23
Cadmium	09/15/2004	SW846 6010	8.47
Calcium	09/15/2004	SW846 6010	152000
Chromium	09/15/2004	SW846 6010	347
Cobalt	09/15/2004	SW846 6010	11.7
Copper	09/15/2004	SW846 6010	150
Iron	09/15/2004	SW846 6010	207000
Lead	09/15/2004	SW846 6010	96.7
Magnesium	09/15/2004	SW846 6010	29900
Manganese	09/15/2004	SW846 6010	4430
Mercury	09/15/2004	SW846 7471	<0.0167
Nickel	09/15/2004	SW846 6010	129
Potassium	09/15/2004	SW846 6010	1240
Selenium	09/15/2004	SW846 6010	<0.504
Silver	09/15/2004	SW846 6010	<1.01
Sodium*	09/15/2004	SW846 6010	668
Thallium	09/15/2004	SW846 6010	<0.605
Vanadium	09/15/2004	SW846 6010	17.7
Zinc	09/15/2004	SW846 6010	2380

ELAP ID No.:10958

Comments: * Estimated values

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARD

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: WRS
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3B-A3
Field ID No.: N/A

Lab Project No.: 04-2648
Lab Sample No. 8995
Sample Type: Soil
Date Sampled: 09/10/2004
Date Received: 09/13/2004

Laboratory Report for TAL Metals Analysis in Solid

DRAFT

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/15/2004	SW846 6010	16300
Antimony	09/15/2004	SW846 6010	9.24
Arsenic	09/15/2004	SW846 6010	10.5
Barium	09/15/2004	SW846 6010	152
Beryllium	09/15/2004	SW846 6010	2.29
Cadmium	09/15/2004	SW846 6010	9.38
Calcium	09/15/2004	SW846 6010	75400
Chromium	09/15/2004	SW846 6010	182
Cobalt	09/15/2004	SW846 6010	9.22
Copper	09/15/2004	SW846 6010	92.7
Iron	09/15/2004	SW846 6010	73900
Lead	09/15/2004	SW846 6010	548
Magnesium	09/15/2004	SW846 6010	16700
Manganese	09/15/2004	SW846 6010	3400
Mercury	09/15/2004	SW846 7471	<0.0170
Nickel	09/15/2004	SW846 6010	176
Potassium	09/15/2004	SW846 6010	15.3
Selenium	09/15/2004	SW846 6010	<0.507
Silver	09/15/2004	SW846 6010	1.11
Sodium*	09/15/2004	SW846 6010	259
Thallium	09/15/2004	SW846 6010	<0.609
Vanadium	09/15/2004	SW846 6010	20.3
Zinc	09/15/2004	SW846 6010	6390

ELAP ID No.:10958

Comments: * Estimated values
Laboratory control spike and spike duplicate recovered 114% and 102% respectively for Calcium.

ELECTRONIC REPORT FACSIMILE. OFFICIAL REPORT OF ANALYSIS IS THE ORIGINAL SIGNED HARD

APPENDIX F

Screening Locations
XRF Field Screening Results

Roblin Steel Site
Dunkirk, NY

OU-3B
Prepared Cup
XRF Field Screening Results
Perimeter of Property

Removal Support Team
September 13, 2004

Index	Date & Time	Sample ID	Res	Pb	Pb Error
1	9/13/2004 11:42	SHUTTER_CAL	297.7946	0.24	0
2	9/13/2004 11:46	NIST-2709		28.38	14.69
3	9/13/2004 11:49	NIST-2710		5527.03	120.56
4	9/13/2004 11:52	NIST-2711		1113.48	52.54
5	9/13/2004 11:55	BLANK		4.78	10.78
6	9/13/2004 17:32	RS-S-4		866.27	46.66
7	9/13/2004 17:35	RS-S-5		573.57	57.06
8	9/13/2004 17:38	RS-S-6		165.93	25.94

Error: 95% Confidence Interval, The numeric range between which results would be expected to fall 95% of the time.

NIST 2709, 2710, 2711 are National Institute of Standards and Technology standards for lead

APPENDIX G

Chain of Custody and
Notice to Laboratory Personnel Forms

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: WRS I&E
ADDRESS: 100 MAPLE RD.
CITY: WILLIAMSVILLE STATE: NY ZIP: 14221
PHONE: 315-427-5196 FAX:
ATTN: SCOTT SODEN

INVOICE TO:
COMPANY: WRS I&E
ADDRESS: 221 HOBBS ST. SUITE 108
CITY: TAMPA STATE: FL ZIP: 33619
PHONE: FAX:
ATTN:

LAB PROJECT #:
CLIENT PROJECT #: 504091

TURNAROUND TIME: (WORKING DAYS)
STD OTHER
[ ] 1 [X] 2 [ ] 3 [ ] 5 [ ]

PROJECT NAME/SITE NAME: ROBLIN STEEL

COMMENTS: SEND RESULTS TO: ssoden@wrsie.com

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL LEAD	FULL TAL METALS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/7/04	1713		X	OU-3A-E2-12	soil	1	X			
2	9/7/04	1720		X	OU-3A-E2-S	soil	1	X			
3	9/7/04	1720		X	OU-3A-E8	soil	1	X			
4	9/7/04	1730		X	OU-3A-E3	soil	1	X			
5	9/8/04	1044		X	OU-3A-E4	soil	1	X			
6	9/11/04	0915		X	OU-3B-A1	soil	1	X			
7	9/11/04	0920		X	OU-3B-A2	soil	1	X			
8	9/10/04	0945		X	OU-3B-A3	soil	1		X		
9	9/11/04	0930		X	OU-3B-A4	soil	1	X			
10	9/11/04	0938		X	OU-3B-A5	soil	1	X			

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: [ ] PRESERVATIONS: [ ] HOLDING TIME: [ ] TEMPERATURE: [ ]

Sampled By: TODD J. KAST Date/Time: 9/7-9/11/04

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time: 9/13/04 0800

Received By: Date/Time: 9/13/04 0800

Received @ Lab By: Date/Time: attached 0800

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: WRS T&E
ADDRESS: 100 MAPLE RD
CITY: WILLIAMSVILLE STATE: NY ZIP: 14221
PHONE: 315-427-5196 FAX:
ATTN: SCOTT SODEN
COMMENTS: Results To: ssoden@wrsie.com

INVOICE TO:
COMPANY: WRS T&E
ADDRESS: 221 HOBBS ST SUITE 108
CITY: TAMPA STATE: FL ZIP: 33619
PHONE: FAX:
ATTN:

LAB PROJECT #:
CLIENT PROJECT #: 504091

TURNAROUND TIME: (WORKING DAYS)
STD OTHER
☐ 1 ☒ 2 ☐ 3 ☐ 5 ☐

PROJECT NAME/SITE NAME: ROBLIN STEEL

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL LEAD	FULL TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/11/04	0944		X	OU-3B-A6 MS/MSD	soil	1	X		MS/MSD	
2	9/10/04	0945			OU-3B-A7		1	X			
3	9/11/04	1056			OU-3B-B1		1	X			
4	9/11/04	1000			OU-3B-B2		1	X			
5	9/11/04	0919			OU-3B-B3		1	X			
6	9/10/04	0955			OU-3B-B4		1		X		
7	9/11/04	0928			OU-3B-B5		1	X			
8	9/11/04	0937			OU-3B-B6		1	X			
9	9/10/04	0952			OU-3B-B7		1	X			
10	9/10/04	1002			OU-3B-B8		1		X		

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: TODD V. KAST Date/Time: 9/10-9/11/04
Relinquished By: Date/Time:
Received By: Date/Time:

Relinquished By: Date/Time: 9/13/04 0800
Received By: Date/Time: 9/13/04 0800
Received @ Lab By: Date/Time: 9/13/04 0800

Total Cost:
P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

BILL TO

COMPANY: WRS T&E
ADDRESS: 100 MAPLE RD
CITY: WILLIAMSVILLE STATE: NY ZIP: 14221
PHONE: 315-427-5196 FAX:
ATTN: SCOTT SODEN
COMMENTS: Results To: ssoden@wrsie.com

INVOICE TO

COMPANY: WRS T&E
ADDRESS: 721 HOBBS ST SUITE 108
CITY: TAMPA STATE: FL ZIP: 33619
PHONE: FAX:
ATTN:

LAB PROJECT #:
CLIENT PROJECT #: 504091

TURNAROUND TIME: (WORKING DAYS)
STD OTHER
1 [X] 2 3 5

PROJECT NAME/SITE NAME: ROBLIN STEEL

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL LEAD	FULL TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/10/04	1003		X	OU-3B-C1	Soil	1		X		
2	9/11/04	0950			OU-3B-C2		1	X			
3	9/11/04	0955			OU-3B-C3		1	X			
4	9/10/04	1003			OU-3B-C4		1	X			
5	9/10/04	1012			OU-3B-C5		1		X		
6	9/11/04	1004			OU-3B-C6		1	X			
7	9/11/04	1013			OU-3B-C7		1	X			
8	9/11/04	1007			OU-3B-D1 MS/MSD		1	X		MS/MSD	
9	9/11/04	1012			OU-3B-D2		1	X			
10	9/11/04	1017			OU-3B-D3		1	X			

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: [ ] PRESERVATIONS: [ ] HOLDING TIME: [ ] TEMPERATURE: [ ]

Sampled By: TODD V. KAST Date/Time: 9/10-9/11/04
Relinquished By: Date/Time:
Received By: Date/Time:

Relinquished By: Date/Time: 9/13/04 0800
Received By: Date/Time: 9/13/04 0800
Received @ Lab By: Date/Time: 9/13/04 0800

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT #:	CLIENT PROJECT #:
COMPANY: WRS T&E	COMPANY: WRS T&E		504091
ADDRESS: 100 MAPLE RD.	ADDRESS: 721 HOBBS ST. SUITE 108		
CITY: WILLIAMSVILLE STATE: NY ZIP: 14221	CITY: TAMPA STATE: FL ZIP: 33619	TURNAROUND TIME: (WORKING DAYS)	
PHONE: 315-427-5196 FAX:	PHONE: FAX:	STD	OTHER
PROJECT NAME/SITE NAME: ROBLIN STEEL	ATTN: SCOTT SODEN	☐ 1 ☒ 2 ☐ 3 ☐ 5	☐
	ATTN:		
	COMMENTS: Results to: ssoden@wrsie.com		

REQUESTED ANALYSES

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL LEAD Full TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/11/04	1024		X	OU-3B-D4	soil	1	X		
2	9/10/04	1019			OU-3B-D5		1	X		
3	9/11/04	1042			OU-3B-D6		1	X		
4	9/10/04	1015			OU-3B-D7		1	X		
5	9/11/04	1022			OU-3B-D8		1	X		
6	9/10/04	1027			OU-3B-E1 MS/MSD		1	X	MS/MSD	
7	9/11/04	1030			OU-3B-E2		1	X		
8	9/11/04	1036			OU-3B-E3		1	X		
9	9/10/04	1035			OU-3B-E4		1	X		
10	9/11/04	1040			OU-3B-E5		1	X		

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Total Cost:
Todd J. Kast	9/13/04		9/13/04 0800	
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**	
			9/13/04 0900	
Received By:	**Date/Time:**	**Received @ Lab By:**	**Date/Time:**	**P.I.F.**
			9/13/04 0800	

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:

COMPANY: WRS T&E
ADDRESS: 100 Maple Rd.
CITY: Williamsville STATE: NY ZIP: 14221
PHONE: 315-477-5196 FAX:
ATTN: Scott Soden
COMMENTS: Results to: ssoden@wrsie.com

INVOICE TO:

COMPANY: WRS T&E
ADDRESS: 721 Hobbs St. Suite 108
CITY: Tampa STATE: FL ZIP: 33619
PHONE: FAX:
ATTN:

LAB PROJECT #:
CLIENT PROJECT #: 504091

TURNAROUND TIME: (WORKING DAYS)
STD OTHER
1 [ ] 2 [✓] 3 [ ] 5 [ ]

PROJECT NAME/SITE NAME: Roblin Steel

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL Lead	Full TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/10/04	1025		X	OU-3B-E6	soil	1		X		
2	9/11/04	1019		X	OU-3B-E7	soil	1	X			
3	9/11/04	1050		X	OU-3B-E8	soil	1	X			
4											
5											
6											
7											
8											
9											
10											

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: [ ] PRESERVATIONS: [ ] HOLDING TIME: [ ] TEMPERATURE: [ ]

Sampled By: Todd J. Kast Date/Time: 9/10-9/11/04

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time: 9/13/04 0800

Received By: Date/Time: 9/13/04 0500

Received @ Lab By: Date/Time: 9/13/04 1800

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO		INVOICE TO	
COMPANY:	WPS T&E	COMPANY:	WPS T&E
ADDRESS:	100 Maple Rd	ADDRESS:	221 Hobbs St Suite 108
CITY: WILLIAMSVILLE	STATE: NY ZIP: 14221	CITY: TAMPA	STATE: FL ZIP: 33619
PHONE: 315-427-5196	FAX:	PHONE:	FAX:
ATTN:	SCOTT SODEN	ATTN:	

LAB PROJECT #:
CLIENT PROJECT #: 504091

TURNAROUND TIME: (WORKING DAYS): ☐ 1 ☐ 2 ☐ 3 ☒ 5 (STD) ☐ OTHER

PROJECT NAME/SITE NAME: ROBLIN STEEL

COMMENTS: RESULTS TO: ssoden@wrsie.com

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL LEAD	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9.16.04	1027		X	OU-3B-B4 MS/MSD	Soil	1	X	MS/MSD	
2	9.16.04	1025		X	OU-3B-C1	Soil	1	X		
3	9.16.04	1030		X	OU-3B-C8	Soil	1	X		
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: Todd J Kast	Date/Time: 9/16/04	Relinquished By: [signature]	Date/Time: 9/16/04 / 14:00
Relinquished By: [signature]	Date/Time: 9.16.04 / 14:30	Received By: [signature]	Date/Time: 9.16.04 / 14:30
Received By:	Date/Time:	Received @ Lab By:	Date/Time:

Total Cost:

P.I.F.

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

Under the authority of Section 104 of the Comprehensive Environmental Response, Compensation, and Liability (CERCLA or Superfund) of 1980, Section 311 of the Clean Water Act, and Subtitle I of the Resource Conserva and Recovery Act (RCRA), EPA has been delegated the responsibility to undertake response actions with respec the release or potential release of oil, petroleum, or hazardous substances that pose a substantial threat to hur health or welfare, or the environment. In addition, EPA provides technical assistance to help mitigate endangerm of the public health, welfare or environment during other emergencies and natural disasters.

EPA's successful implementation of these emergency response action responsibilities requires that technical supp capabilities be provided in the form of a contracted Superfund Technical Assessment and Response Team (STA for each EPA Region. The WESTON START Contract 68-W5-0019 provides support to EPA Region II.

Hazard Communication

The samples which accompany this notice have been shipped to your laboratory for analysis in accordance applicable D.O.T. or IATA Regulations and were collected by the WESTON START and were tentatively design by the field response team as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site that are not reasonably expected to be contaminated with hazardous materials. Samples of on-site soils or water, materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, p and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained fr known radioactive material contamination site or which demonstrate beta or gamma activity greater than three t average background as scanned with a Geiger-Mueller radiation survey meter are considered *Radioactive Sam*

The samples which accompany this notice have been tentatively classified by the field response team as:

____ Environmental ____ Hazardous X Comb. (Envir.& Haz.) ____ Radioactive

The field team which collected the samples used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or che exposure:

Modified
____ Level A ____ Level B ____ Level C X Level D Boot C
Tyvek Nitrile

This information is intended for use as a guide for the safe handling of these laboratory samples in accor with EPA and OSHA regulations. The sample classification(s) and Levels of personal protection used b WESTON START are not represented to be, nor are they adequate or applicable in all situations, nor are intended to serve as substitutes for professional/personal judgement.

This form was prepared by: T. Kost Date 9/11/01

[redacted]

WESTON Office: Region II START, Edison, NJ Phone: 732-225-6116 FAX: 732-225-7037

Laboratory Name: Paradigm Env.

/Hazcom for Laboratory Personnel/ To be attached to each Chain-of-Custody Form

APPENDIX H

Sample Locations
GPS Coordinates

Sample Location	Longitude	Latitude	Vert Prec
OU-3B-A1	-79.312898072	42.487565371	8.87209320068355
OU-3B-A3	-79.312752287	42.487584586	8.70665555918503
OU-3B-A4	-79.312679529	42.4875972	8.63239370564809
OU-3B-A5	-79.312603768	42.48760698	7.9943948726643
OU-3B-A6	-79.312541515	42.487606907	7.31439161300661
OU-3B-A7	-79.312512738	42.487614868	7.6656628850899
OU-3B-B1	-79.312870151	42.487523208	8.28147220611571
OU-3B-B2	-79.312800604	42.487521976	8.07485198974609
OU-3B-B3	-79.312728344	42.487534769	7.91709771070025
OU-3B-B4	-79.312656094	42.487543201	7.85478687286377
OU-3B-B5	-79.312577553	42.487558514	7.85478687286377
OU-3B-B6	-79.312528929	42.487559876	7.70205384069804
OU-3B-B7	-79.312495421	42.487563211	7.53167086645662
OU-3B-C1	-79.312850578	42.487464997	8.39885425567629
OU-3B-C2	-79.312774198	42.48746212	8.3173851702015
OU-3B-C3	-79.312696956	42.487474344	8.26248455047608
OU-3B-C4	-79.312645761	42.487490545	8.26248455047608
OU-3B-C5	-79.31256615	42.487505098	8.26248455047608
OU-3B-C5	-79.312500717	42.487518185	9.26533281514717
OU-3B-C7	-79.312458205	42.487521706	9.51748506287922
OU-3B-D1	-79.312856486	42.487404452	9.04288473478643
OU-3B-D2	-79.312786132	42.4874133	8.96761131286627
OU-3B-D3	-79.312694013	42.487432462	8.855562210083
OU-3B-D4	-79.31264231	42.487447627	8.71490113641623
OU-3B-D5	-79.31256844	42.487463419	8.61839389801025
OU-3B-D6	-79.3124995	42.487484069	8.7186531836398
OU-3B-D7	-79.312448042	42.487490018	9.68454647064212
OU-3B-E1	-79.312849351	42.487365802	9.30809398871907
OU-3B-E2	-79.312752957	42.487360171	7.8065824508667
OU-3B-E3	-79.312688137	42.487374316	7.8065824508667
OU-3B-E4	-79.312623929	42.487391853	8.66078662872315
OU-3B-E5	-79.312551517	42.487412463	8.66078662872315
OU-3B-E6	-79.31247696	42.487428153	8.78108799612765
OU-3B-E7	-79.31244572	42.487436073	8.7266251320059
RS-S-4	-79.312351134	42.487391121	0.737678359285898
RS-S-5	-79.312512043	42.487344174	0.790534318666778
RS-S-6	-79.312640198	42.487223222	0.770380444270495