GPS ___
f: B00173

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Weston Solutions, Inc.
Federal Programs Division
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Edison, New Jersey 08837-3703
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REMOVAL SUPPORT TEAM
EPA CONTRACT 68-W-00-113

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-01651
SUBJECT: OPERABLE UNIT 3A -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 3A 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-01651 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:	August 25 - September 7, 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 (KO61), 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 KO61 containing elevated levels of lead. In September of 1993, EPA initiated site remediation activities. Beginning in August 2004, EPA initiated a removal action at the site to address the disposal of waste within these three OU areas. This report discusses OU-3A.

1.1 SITE ACTIVITIES

The sampling and analytical information contained herein relate specifically to Operable Unit 3A. 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-through, during which the three operable units, 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 general contractor oversight, provided documentation support, and performed particulate air monitoring.

After the initial excavation removed approximately four inches of soil in OU-3A, RST created a sample grid. The 20' x 20' sample grid was started on the northern border, and consisted of 6 transect lines, A - F (refer to Figure 3). Once the sample locations were identified, RST performed in-situ soil screening of the locations with a Niton XLi 722 XRF. Each location was screened at the excavated surface with the analyzer for 60 seconds. Due to instrument complications, only transect lines A and B were screened in-situ with the XRF. The in-situ analysis was used to determine if the soil was below the site specific action level of 1000 parts per million (ppm) lead for operable unit 3A (refer to Appendix A for XRF results).

Based on the XRF results, all transects were sampled and sent to the laboratory for total lead analysis. A total of 10% of the samples were sent for full TAL metal analysis. The laboratory results indicated that several sample locations in the operable unit contained lead concentrations above the action level of 1,000 ppm (refer to Appendix B). These areas were excavated another six inches below the original depth. Post secondary excavation, the locations were re-analyzed using the prepared cup method, with the XRF. Results of the secondary XRF analysis found the lead concentration to be below the site action level (refer to Appendix C). Based on these findings, the samples were sent to the laboratory for total lead analysis (Refer to Appendix D). After sampling was completed, all locations were documented using Global Positioning System Technology (GPS) (see Appendix F). Upon meeting clean-up objectives, the excavated areas were backfilled with crushed stone, concrete, and brick from on-site stock piles.

2.0 Soil Sampling:

2.1 Sample Descriptions: Refer to Table 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 August 30, 2004, forty-six soil samples, including three duplicate samples and additional volume for Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses, were submitted to a Paradigm Environmental Services courier for transport to Paradigm's laboratory in Rochester, NY. Forty-one samples were analyzed for total lead and five were analyzed for TAL metals (Refer to Table 1 and Appendix E) .

- On September 13, 2004, five additional soil samples were submitted to a Paradigm Environmental Services courier for transport to Paradigm's laboratory in Rochester, NY. All samples were analyzed for total lead (Refer to Table 1 and Appendix E).

Custody of all samples was relinquished by RST to the ERRS Contractor prior to submission to the Paradigm 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:

Particulate monitoring ceased on September 3, 2004, when EPA determined after reviewing the data that monitoring was no longer necessary.

Prior to laboratory analysis, all soil samples were dried in an oven, and processed with a sieve to remove debris from the sample. All samples were also screened with a Niton XLi 722 either in-situ or with the prepared cup method. Samples that yielded 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.

The additional five samples sent to the laboratory for analysis on September 13, 2004, were collected after a second excavation was completed in OU-3A. The original analytical results for these particular samples were above the site specific action level of 1,000 ppm. The area was further excavated another six inches. After the secondary excavation, the samples were screened with the XRF using the prepared cup method, resulting in lead concentrations below the site specific action level. The samples were then sent to the laboratory for lead analysis.

XRF screening 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 full TAL metal analysis.

Figures - Figure 1: Site Location Map - Roblin Steel Site
Figure 2: Site Map - Roblin Steel Site
Figure 3: Operable Unit 3A - Sample Location Map

Table 1 - OU-3A Sample Descriptions

Appendix A - In-Situ XRF Field Screening Results

Appendix B - Post Initial Excavation Preliminary Laboratory Results

Appendix C - Post Secondary Excavation - XRF Results

Appendix D - Post Secondary Excavation Preliminary Laboratory Results

Appendix E- Chain of Custody and Notification to Laboratory Personnel Forms

Appendix F - Sample Location GPS Coordinates

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

Carrie Shapiro
RST Site Project Manager

Report reviewed by: John Brennan Date: 12/6/04

John Brennan
RST Group Leader

TABLE 1

OU-3A
Sample Descriptions

Table 1
OU-3A
Sample Descriptions
For Laboratory Analysis

Sample Date	Sample ID*	Location	Depth	Analysis	Comments
27-Aug-04	OU-3A-A1	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-A2	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-A3	OU-3A	Surface	Full TAL	
27-Aug-04	OU-3A-A4	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-A5	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-A6	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-A7	OU-3A	Surface	Lead	MS/MSD
27-Aug-04	OU-3A-A8	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-A9	OU-3A	Surface	Full TAL	Duplicate of OU-3A-A3
27-Aug-04	OU-3A-B1	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B2	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B3	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B4	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B5	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B6	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B7	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-B8	OU-3A	Surface	Full TAL	
27-Aug-04	OU-3A-C1	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-C2	OU-3A	Surface	Full TAL	
27-Aug-04	OU-3A-C3	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-C4	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-D1	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-D2	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-D3	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-D4	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-D5	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-D6	OU-3A	Surface	Lead	Duplicate of OU-3A-D3
27-Aug-04	OU-3A-E1	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-E10	OU-3A	Surface	Lead	Duplicate of OU-3A-E3
27-Aug-04	OU-3A-E2	OU-3A	Surface	Full TAL	
27-Aug-04	OU-3A-E3	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-E4	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-E5	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-E6	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-E7	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-E8	OU-3A	Surface	Lead	MS/MSD
27-Aug-04	OU-3A-E9	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F1	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F2	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F3	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F4	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F5	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F6	OU-3A	Surface	Lead	MS/MSD
27-Aug-04	OU-3A-F7	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F8	OU-3A	Surface	Lead	
27-Aug-04	OU-3A-F9	OU-3A	Surface	Lead	
7-Sep-04	OU-3A-E2-12 **	OU-3A	12 inches	Lead	
7-Sep-04	OU-3A-E2-S **	OU-3A	Surface	Lead	
7-Sep-04	OU-3A-E3 **	OU-3A	Surface	Lead	
7-Sep-04	OU-3A-E4 **	OU-3A	Surface	Lead	
7-Sep-04	OU-3A-E8 **	OU-3A	Surface	Lead	

* Samples collected @ surface of initial excavation depth of approx. four inches.
** Samples collected after secondary excavation at approx. 1 foot.
Sample ID's including a numerical suffix indicate depth in inches from the post excavation surface.

FIGURE 1

Site Location Map

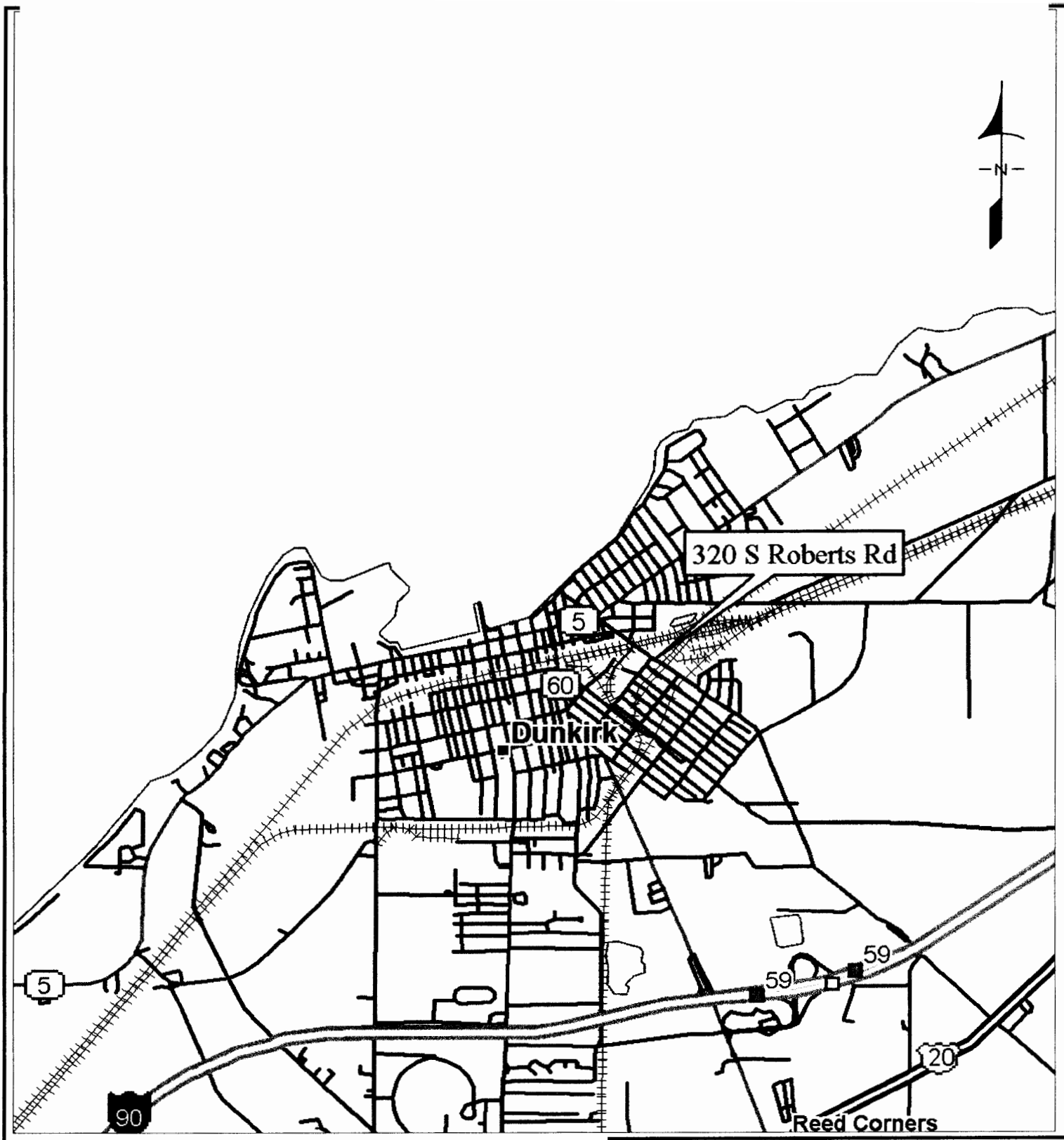

FIGURE 1
SITE LOCATION MAP
ROBLIN STEEL
DUNKIRK, NY

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

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FEDERAL PROGRAMS DIVISION

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

FIGURE 2

Site Map
Roblin Steel

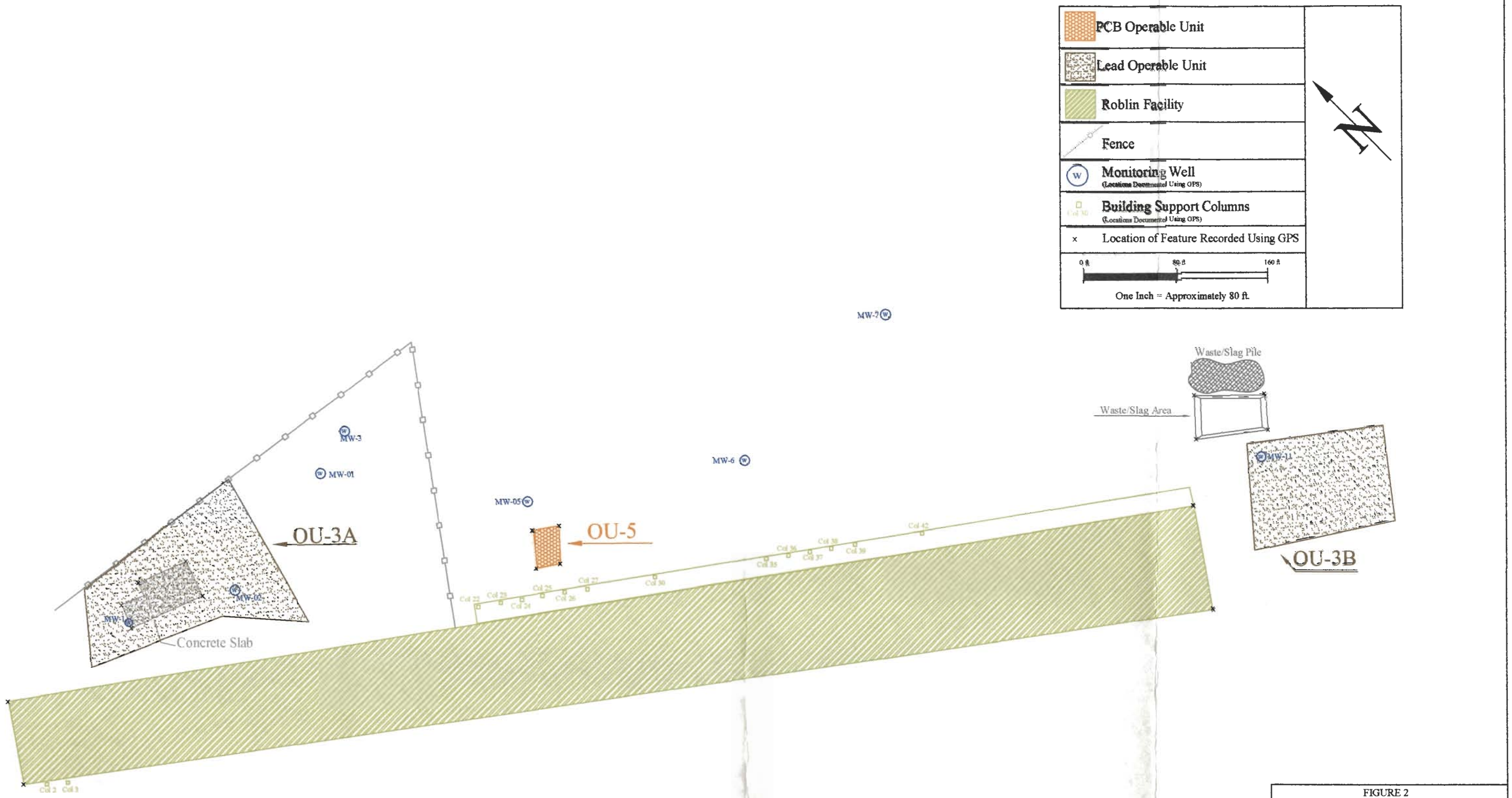

FIGURE 2
SITE MAP

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

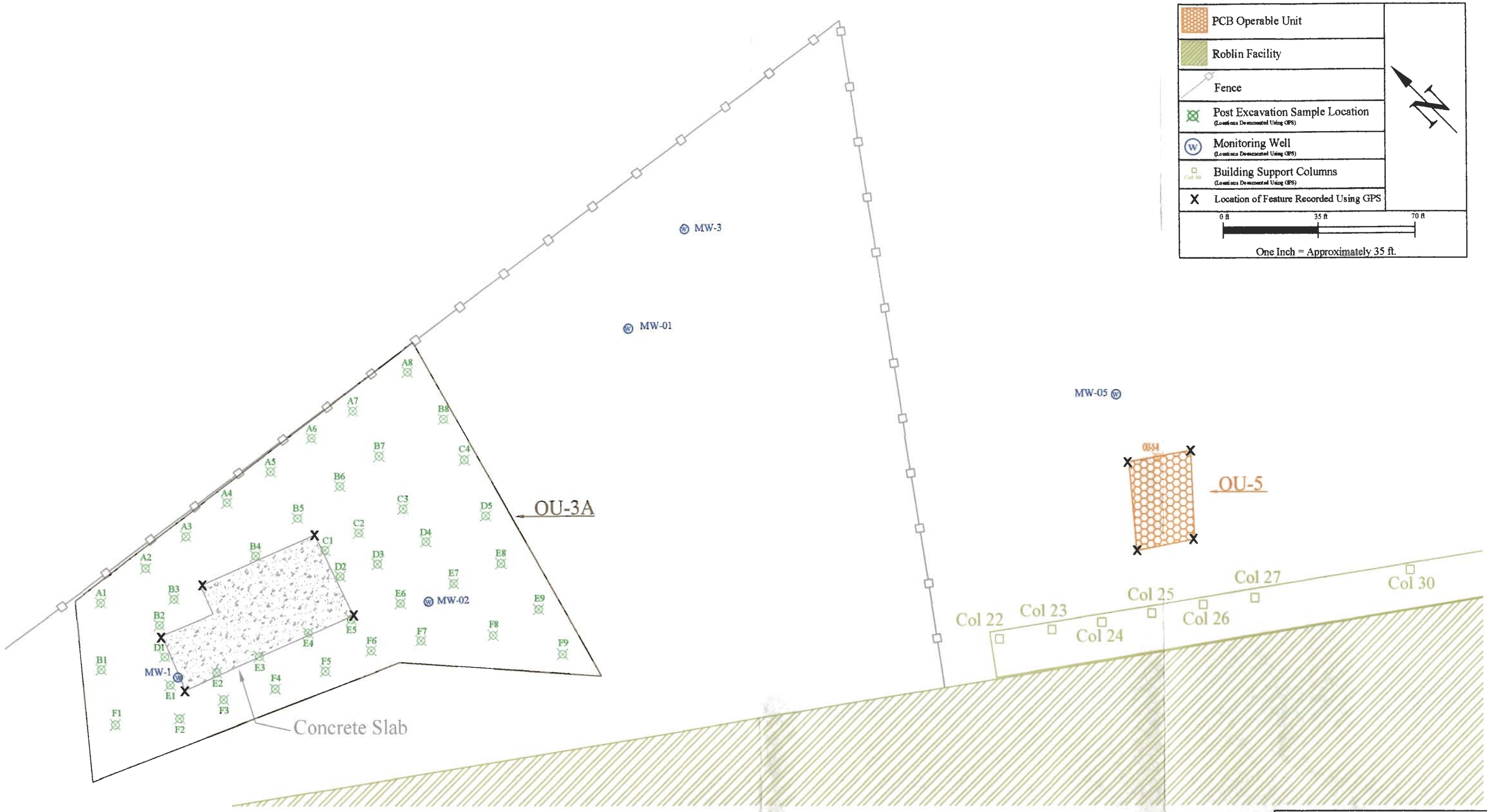

FIGURE 3
OPERABLE UNIT 3A-SAMPLE LOCATION MAP

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 TERRANEAR PPMC TECHNOLOGIES GROUP

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 OU3A.DWG

DATE MODIFIED 10-12-04

FIGURE 3

OU-3A Sample Location Map

APPENDIX A

In- Situ XRF
Field Screening Results

Roblin Steel Site
Dunkirk, NY

OU-3A
Post Initial Excavation
In-Situ XRF
Field Screening Results

Removal Support Team
August 25, 2004

Index	Date &Time	Sample ID	Resolution	Pb	Pb Error
1	8/25/2004 8:56	SHUTTER_CAL	312.8	0.85	0
2	8/25/2004 8:58	NIST-2709		6.97	21.26
3	8/25/2004 9:01	NIST-2710		5349.31	202.18
4	8/25/2004 9:04	NIST-2711		1116.47	85.15
5	8/25/2004 9:08	BLANK		15.42	18
6	8/25/2004 11:24	OU3A-A1		73.23	39.93
7	8/25/2004 11:28	OU3A-A2		87.06	44.37
8	8/25/2004 11:34	OU3A-A3		104.73	52.65
9	8/25/2004 11:38	OU3A-A4		68.24	42.9
10	8/25/2004 11:43	OU3A-A5		75.12	47.68
11	8/25/2004 11:48	OU3A-A6		39.56	33.19
12	8/25/2004 11:55	OU-3A-A7		88.32	46.15
13	8/25/2004 12:02	OU-3A-A8		54.08	42.42
14	8/25/2004 15:47	OU-3A-B1		19.39	35.9
15	8/25/2004 15:54	OU-3A-B2		33.46	29.69
16	8/25/2004 15:59	OU-3A-B3		105.24	57.47
17	8/25/2004 16:03	OU-3A-B4		145.34	63.8
18	8/25/2004 16:10	OU-3A-B5		81.69	50.8
19	8/25/2004 16:14	OU-3A-B5		114.14	43.55
20	8/25/2004 16:18	OU-3A-B6		4.47	43.47
21	8/25/2004 16:23	OU-3A-B7		46.47	26.46
22	8/25/2004 16:28	OU-3A-B8		23.59	22.71

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 Institue of Standards and Technology standards for lead.

APPENDIX B

Post Initial Excavation
Preliminary Laboratory Results

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091

Lab Project No.: 04-2516
Sample Type: Soil
Method: SW 846: 3050, 6010
Date(s) Sampled: 08/27/2004
Date Received: 08/31/2004
Date Analyzed: 09/02/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
8581	N/A	OU-3A-1-A1	134
8582	N/A	OU-3A-1-A2	285
8584	N/A	OU-3A-1-A4	106
8585	N/A	OU-3A-1-A5	161
8586	N/A	OU-3A-1-A6	114
8587	N/A	OU-3A-1-A7	284
8588	N/A	OU-3A-1-A8	294
8590	N/A	OU-3A-B1	509
8591	N/A	OU-3A-B2	212
8592	N/A	OU-3A-B3	722

ELAP ID No.: 10958

DRAFT

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID:042516.xls

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091

Lab Project No.: 04-2516
Sample Type: Soil
Method: SW 846: 3050, 6010
Date(s) Sampled: 08/27/2004
Date Received: 08/31/2004
Date Analyzed: 09/02/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
8593	N/A	OU-3A-B4	442
8594	N/A	OU-3A-B5	151
8595	N/A	OU-3A-B6	83.8
8596	N/A	OU-3A-B7	57.8
8598	N/A	OU-3A-C1	1430
8600	N/A	OU-3A-C3	955
8601	N/A	OU-3A-C4	31.7
8602	N/A	OU-3A-D1	200
8603	N/A	OU-3A-D2	982
8604	N/A	OU-3A-D3	281

ELAP ID No.: 10958

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Bruce Hoogesteger, Technical Director

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File ID:042516.xls

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091

Lab Project No.: 04-2516
Sample Type: Soil
Method: SW 846: 3050, 6010
Date(s) Sampled: 08/27/2004
Date Received: 08/31/2004
Date Analyzed: 09/02/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
8605	N/A	OU-3A-D4	232
8606	N/A	OU-3A-D5	28.3
8607	N/A	OU-3A-D6	321
8608	N/A	OU-3A-E1	1010
8610	N/A	OU-3A-E3	2310
8611	N/A	OU-3A-E4	1190
8612	N/A	OU-3A-E5	1260
8613	N/A	OU-3A-E6	341
8614	N/A	OU-3A-E7	391
8615	N/A	OU-3A-E8	1190

ELAP ID No.: 10958

DRAFT

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

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File ID:042516.xls

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091

Lab Project No.: 04-2516
Sample Type: Soil
Method: SW 846: 3050, 6010

Date(s) Sampled: 08/27/2004
Date Received: 08/31/2004
Date Analyzed: 09/02/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
8616	N/A	OU-3A-E9	206
8617	N/A	OU-3A-E10	2580
8618	N/A	OU-3A-F1	405
8619	N/A	OU-3A-F2	463
8620	N/A	OU-3A-F3	465
8621	N/A	OU-3A-F4	399
8622	N/A	OU-3A-F5	508
8623	N/A	OU-3A-F6	424
8624	N/A	OU-3A-F7	397
8625	N/A	OU-3A-F8	247

ELAP ID No.: 10958

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Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

File ID:042516.xls

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

Client: WRS I&E

Client Job Site: Roblin Steel

Client Job No.: 504091

Lab Project No.: 04-2516

Sample Type: Soil
Method: SW 846: 3050, 6010

Date(s) Sampled: 08/27/2004
Date Received: 08/31/2004
Date Analyzed: 09/02/2004

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/kg)
8626	N/A	OU-3A-F9	561

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ELAP ID No.: 10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

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

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

Lab Project No.: 04-2516
Lab Sample No.: 8583
Sample Type: Soil
Date Sampled: 08/27/2004
Date Received: 08/31/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/02/2004	SW846 6010	26000
Antimony	09/02/2004	SW846 6010	<6.35
Arsenic	09/02/2004	SW846 6010	6.04
Barium	09/02/2004	SW846 6010	220
Beryllium	09/02/2004	SW846 6010	4.73
Cadmium	09/02/2004	SW846 6010	14.8
Calcium	09/02/2004	SW846 6010	169000
Chromium	09/02/2004	SW846 6010	201
Cobalt	09/02/2004	SW846 6010	5.22
Copper	09/02/2004	SW846 6010	141
Iron	09/02/2004	SW846 6010	74400
Lead	09/02/2004	SW846 6010	735
Magnesium	09/02/2004	SW846 6010	35500
Manganese	09/02/2004	SW846 6010	7300
Mercury		SW846 7471	
Nickel	09/02/2004	SW846 6010	41.8
Potassium	09/02/2004	SW846 6010	1530
Selenium	09/02/2004	SW846 6010	<0.528
Silver	09/02/2004	SW846 6010	2.41
Sodium	09/02/2004	SW846 6010	1010
Thallium	09/02/2004	SW846 6010	2.94
Vanadium	09/02/2004	SW846 6010	16.6
Zinc	09/02/2004	SW846 6010	20200

DRAFT

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID:042516.xls

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3A-A9
Field ID No.: N/A

DRAFT

Lab Project No.: 04-2516
Lab Sample No.: 8589
Sample Type: Soil
Date Sampled: 08/27/2004
Date Received: 08/31/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/02/2004	SW846 6010	25700
Antimony	09/02/2004	SW846 6010	<6.53
Arsenic	09/02/2004	SW846 6010	5.79
Barium	09/02/2004	SW846 6010	221
Beryllium	09/02/2004	SW846 6010	4.66
Cadmium	09/02/2004	SW846 6010	15.5
Calcium	09/02/2004	SW846 6010	167000
Chromium	09/02/2004	SW846 6010	190
Cobalt	09/02/2004	SW846 6010	5.38
Copper	09/02/2004	SW846 6010	124
Iron	09/02/2004	SW846 6010	71900
Lead	09/02/2004	SW846 6010	760
Magnesium	09/02/2004	SW846 6010	35100
Manganese	09/02/2004	SW846 6010	7310
Mercury		SW846 7471	
Nickel	09/02/2004	SW846 6010	41.0
Potassium	09/02/2004	SW846 6010	1400
Selenium	09/02/2004	SW846 6010	<0.545
Silver	09/02/2004	SW846 6010	2.53
Sodium	09/02/2004	SW846 6010	932
Thallium	09/02/2004	SW846 6010	3.70
Vanadium	09/02/2004	SW846 6010	16.4
Zinc	09/02/2004	SW846 6010	20100

ELAP ID No.: 10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

File ID:042516.xls

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

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

DRAFT

Lab Project No.: 04-2516
Lab Sample No.: 8597
Sample Type: Soil
Date Sampled: 08/27/2004
Date Received: 08/31/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/02/2004	SW846 6010	14700
Antimony	09/02/2004	SW846 6010	7.68
Arsenic	09/02/2004	SW846 6010	10.8
Barium	09/02/2004	SW846 6010	165
Beryllium	09/02/2004	SW846 6010	1.71
Cadmium	09/02/2004	SW846 6010	19.1
Calcium	09/02/2004	SW846 6010	81700
Chromium	09/02/2004	SW846 6010	173
Cobalt	09/02/2004	SW846 6010	10.6
Copper	09/02/2004	SW846 6010	158
Iron	09/02/2004	SW846 6010	67500
Lead	09/02/2004	SW846 6010	950
Magnesium	09/02/2004	SW846 6010	13900
Manganese	09/02/2004	SW846 6010	5420
Mercury		SW846 7471	
Nickel	09/02/2004	SW846 6010	57.8
Potassium	09/02/2004	SW846 6010	1650
Selenium	09/02/2004	SW846 6010	<0.499
Silver	09/02/2004	SW846 6010	2.70
Sodium	09/02/2004	SW846 6010	299
Thallium	09/02/2004	SW846 6010	5.73
Vanadium	09/02/2004	SW846 6010	24.4
Zinc	09/02/2004	SW846 6010	19200

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

File ID:042516.xls

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3A-C2
Field ID No.: N/A

DRAFT

Lab Project No.: 04-2516
Lab Sample No.: 8599
Sample Type: Soil
Date Sampled: 08/27/2004
Date Received: 08/31/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/02/2004	SW846 6010	11300
Antimony	09/02/2004	SW846 6010	74.6
Arsenic	09/02/2004	SW846 6010	12.0
Barium	09/02/2004	SW846 6010	197
Beryllium	09/02/2004	SW846 6010	0.983
Cadmium	09/02/2004	SW846 6010	26.5
Calcium	09/02/2004	SW846 6010	36200
Chromium	09/02/2004	SW846 6010	208
Cobalt	09/02/2004	SW846 6010	8.87
Copper	09/02/2004	SW846 6010	164
Iron	09/02/2004	SW846 6010	76100
Lead	09/02/2004	SW846 6010	1720
Magnesium	09/02/2004	SW846 6010	9070
Manganese	09/02/2004	SW846 6010	6810
Mercury		SW846 7471	
Nickel	09/02/2004	SW846 6010	63.9
Potassium	09/02/2004	SW846 6010	1410
Selenium	09/02/2004	SW846 6010	<0.514
Silver	09/02/2004	SW846 6010	3.22
Sodium	09/02/2004	SW846 6010	187
Thallium	09/02/2004	SW846 6010	7.69
Vanadium	09/02/2004	SW846 6010	30.6
Zinc	09/02/2004	SW846 6010	2:700

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

File ID:042516.xls

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

Client: WRS I&E
Client Job Site: Roblin Steel
Client Job No.: 504091
Field Location: OU-3A-E2
Field ID No.: N/A

DRAFT

Lab Project No.: 04-2516
Lab Sample No.: 8609
Sample Type: Soil
Date Sampled: 08/27/2004
Date Received: 08/31/2004

Laboratory Report for TAL Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	09/02/2004	SW846 6010	14100
Antimony	09/02/2004	SW846 6010	17.0
Arsenic	09/02/2004	SW846 6010	11.0
Barium	09/02/2004	SW846 6010	476
Beryllium	09/02/2004	SW846 6010	1.74
Cadmium	09/02/2004	SW846 6010	48.4
Calcium	09/02/2004	SW846 6010	99600
Chromium	09/02/2004	SW846 6010	490
Cobalt	09/02/2004	SW846 6010	11.3
Copper	09/02/2004	SW846 6010	294
Iron		SW846 6010	
Lead	09/02/2004	SW846 6010	1830
Magnesium	09/02/2004	SW846 6010	21500
Manganese	09/02/2004	SW846 6010	12800
Mercury		SW846 7471	
Nickel	09/02/2004	SW846 6010	143
Potassium	09/02/2004	SW846 6010	1070
Selenium	09/02/2004	SW846 6010	4.97
Silver	09/02/2004	SW846 6010	5.11
Sodium		SW846 6010	
Thallium	09/02/2004	SW846 6010	12.3
Vanadium	09/02/2004	SW846 6010	39.5
Zinc	09/02/2004	SW846 6010	30600

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

APPENDIX C

Post Secondary Excavation
XRF Field Screening Results

Roblin Steel Site
Dunkirk, NY

OU-3A
Post Secondary Excavation
Prepared Cup XRF
Field Screening Results

Removal Support Team
September 8, 2004

Index	Date &Time	Sample ID	Resolution	Pb	Pb Error
1	9/8/2004 8:14	SHUTTER_CAL	295.29	0.18	0
2	9/8/2004 8:41	NIST-2709		28.72	14.51
3	9/8/2004 8:44	NIST-2710		4998.33	120.09
4	9/8/2004 8:46	NIST-2711		1073.42	51.91
5	9/8/2004 8:49	BLANK		< LOD : 16.33	
6	9/8/2004 8:52	OU-3A-E2-S		475.06	43.3
7	9/8/2004 8:55	OU-3A-E2-12 *		< LOD : 21.04	
8	9/8/2004 8:58	OU-3A-E2-12-R		31.74	14.93
9	9/8/2004 9:00	OU-3A-E3		440.5	49.9
10	9/8/2004 9:02	OU-3A-E3		431.21	40.44
11	9/8/2004 9:04	OU-3A-E4		1141.88	68.96
12	9/8/2004 9:11	OU-3A-E4-R		1124.28	68.31
13	9/8/2004 9:07	OU-3A-E8		273.14	28.08
14	9/8/2004 9:09	OU-3A-E8-D		263.62	28.21
15	9/8/2004 9:14	NIST-2709-2		< LOD : 20.91	
16	9/8/2004 9:16	NIST-2710-2		5528.9	120.07
17	9/8/2004 9:19	NIST-2711-2		1070.36	48.9
18	9/8/2004 9:21	BLANK-2		< LOD : 14.90	
19	9/8/2004 11:24	OU-3A-E4B **		280.1	36.06

Sample Suffix Identifications:
S - Surface Sample
R - Replicate Sample -The same sample was analyed twice
D - Duplicate Sample - Two samples were prepared from the same soil, and analyzed separately.
* Sample collected from 12 inches below the surface.
** Sample collected after area was excavated four additional inches in depth.
LOD - Limit of Detection, the smallest concentration of lead that the instrument can reliably detect in soil.
Resolution - Higher resolution allows for better differentiation between x-ray peaks.

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 Secondary Excavation Preliminary Laboratory Results

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

DRAFT

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: 09/07-11/2004
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)
8988	N/A	OU-3A-E2-12	23.6
8989	N/A	OU-3A-E2-S	246
8990	N/A	OU-3A-E8	155
8991	N/A	OU-3A-E3	286
8992	N/A	OU-3A-E4	219
8993	N/A	OU-3B-A1	383
8994	N/A	OU-3B-A2	255
8996	N/A	OU-3B-A4	272
8997	N/A	OU-3B-A5	302
8998	N/A	OU-3B-A6	201

ELAP ID No.: 10958

Comments:

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

APPENDIX E

Chain-of-Custody
and
Notification to Laboratory Personnel Records

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 ROAD
CITY: WILLIAMSVILLE STATE: NY ZIP: 14221
PHONE: 315-427-5156 FAX: 716-632-5247
ATTN: Scott Soden
COMMENTS: FAX Results to: 716-366-6270

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

PROJECT NAME/SITE NAME: Robin Steel

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

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL Lead	Full TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
18.07.04	1000		X	OU-3A-A1	Soil	1	X			
28.07.04	1007		X	OU-3A-AA		1	X			
38.07.04	1016		X	OU-3A-A3		1		X		
48.07.04	1040		X	OU-3A-A4		1	X			
58.07.04	1059		X	OU-3A-A5		1	X			
68.07.04	1108		X	OU-3A-A6		1	X			
78.07.04	1137		X	OU-3A-A7		1	X		MS/MSD	
88.07.04	1145		X	OU-3A-A8		1	X			
98.07.04	1200		X	OU-3A-A9		1		X		
108.07.04	1005		X	OU-3A-B1	↓	1	X			

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☐	N ☐
Preservation: Comments:	Y ☐	N ☐
Holding Time: Comments:	Y ☐	N ☐
Temperature: Comments:	Y ☐	N ☐

Todd Kast — Sampled By — 8/27/04 — Date/Time
Relinquished By — 8/30/04/0930 — Date/Time
Received By — 8/30/04 0930 — Date/Time
Received @ Lab By — Date/Time

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 I&E
ADDRESS: 100 Maple Road
CITY: Williamsville STATE: NY ZIP: 14221
PHONE: 315-427-5196 FAX: 716-326-6270
ATTN: Scott Soden
COMMENTS:

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 ☒ 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 8.27.04	1013		X	OU-3A-B2	Soil	1	X											
2 8.27.04	1035		X	OU-3A-B3		1	X											
3 8.27.04	1045		X	OU-3A-B4		1	X											
4 8.27.04	1052		X	OU-3A-B5		1	X											
5 8.27.04	1100		X	OU-3A-B6		1	X											
6 8.27.04	1110		X	OU-3A-B7		1	X											
7 8.27.04	1138		X	OU-3A-B8		1		X										
8 8.27.04	1158		X	OU-3A-C1		1	X											
9 8.27.04	1207		X	OU-3A-C2		1		X										
10 8.27.04	1214		X	OU-3A-C3	↓	1	X											

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐

Todd Kast — Sampled By — 8/27/04 — Date/Time

Relinquished By — 8/30/04 0930 — Date/Time

Received By — 8/30/04 0930 — Date/Time

Total Cost:

P.I.F.

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

REPORT TO:

COMPANY: WES I&E
ADDRESS: 100 Maple Road
CITY: Williamsville STATE: NY ZIP: 14221
PHONE: 315-427-5196 FAX: 716-316-6270
ATTN: Scott Soden
COMMENTS:

INVOICE TO:

COMPANY: WES 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 OTHE
☐ 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 8·27·04	1222		X	OU-3A-C4	Soil	1	X			
2 8·27·04	1149		X	OU-3A-D1		1	X			
3 8·27·04	1203		X	OU-3A-D2		1	X			
4 8·27·04	1208		X	OU-3A-D3		1	X			
5 8·27·04	1218		X	OU-3A-D4		1	X			
6 8·27·04	1224		X	OU-3A-D5		1	X			
7 8·27·04	1230		X	OU-3A-D6		1	X			
8 8·27·04	1338		X	OU-3A-E1		1	X			
9 8·27·04	1345		X	OU-3A-E2		1		X		
10 8·27·04	1355		X	OU-3A-E3	↓	1	X			

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type: Comments:	Y ☐ N ☐
Preservation: Comments:	Y ☐ N ☐
Holding Time: Comments:	Y ☐ N ☐
Temperature: Comments:	Y ☐ N ☐

Todd Kast — Sampled By — 8/27/04 — Date/Time

Relinquished By — 8/30/04 / 0930 — Date/Time

Received By — 8/30/04 0930 — Date/Time

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

REPORT TO:

COMPANY: WPS IDE
ADDRESS: 100 Maple Road
CITY: Williamsville STATE: NY ZIP: 14221
PHONE: 315-427-5196 FAX: 716-366-6870
ATTN: Scott Suden
COMMENTS:

INVOICE TO:

COMPANY: WPS IDE
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 OTHE
☐ 1 ☒ 2 ☐ 3 ☐ 5 ☐

PROJECT NAME/SITE NAME: Rablin Steel

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL Lead	REMARKS	PARADIGM LAB SAMPLE NUMBER
8·27·04	1405		X	OU-3A-E4	Soil	1	X		
8·27·04	1412		X	OU-3A-E5		1	X		
8·27·04	1435		X	OU-3A-E6		1	X		
8·27·04	1443		X	OU-3A-E7		1	X		
8·27·04	1453		X	OU-3A-E8		1	X	MS/MSD	
8·27·04	1500		X	OU-3A-E9		1	X		
8·27·04	1505		X	OU-3A-E10		1	X		
8·27·04	1335		X	OU-3A-F1		1	X		
8·27·04	1345		X	OU-3A-F2		1	X		
8·27·04	1353		X	OU-3A-F3	↓	1	X		

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☐	N ☐
Preservation: Comments:	Y ☐	N ☐
Holding Time: Comments:	Y ☐	N ☐
Temperature: Comments:	Y ☐	N ☐

Todd Kast — Sampled By — 8/27/04 Date/Time

Relinquished By — 8/30/04 0930 Date/Time

Received By — 8/30/04 0530 Date/Time

Received @ Lab By — Date/Time

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: WRS I&E	COMPANY: WRS I&E	LAB PROJECT #:
ADDRESS: 100 Maple Road	ADDRESS: 221 Hobbs St. Suite 108	CLIENT PROJECT #: 504091
CITY: Williamsville STATE: NY ZIP: 14221	CITY: Tampa STATE: FL ZIP: 33619	TURNAROUND TIME: (WORKING DAYS)
PHONE: 315-427-5196 FAX: 716-366-6270	PHONE: FAX:	STD OTHE
PROJECT NAME/SITE NAME: Roblin Steel	ATTN: Scott Soden	ATTN: ☐ 1 ☒ 2 ☐ 3 ☐ 5 ☐
	COMMENTS:	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TAL Lead	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 8.27.04	1405		x	OU-3A-F4	Soil	1	X		
2 8.27.04	1412		x	OU-3A-F5		1	X		
3 8.27.04	1434		x	OU-3A-F6		1	X	MS/MSD	
4 8.27.04	1442		x	OU-3A-F7		1	X		
5 8.27.04	1452		x	OU-3A-F8		1	X		
6 8.27.04	1504		x	OU-3A-F9	↓	1	X		
7									
8									
9									
10									

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☐	N ☐
Preservation: Comments:	Y ☐	N ☐
Holding Time: Comments:	Y ☐	N ☐
Temperature: Comments:	Y ☐	N ☐

Todd Kast — Sampled By — 8/27/04 — Date/Time

Relinquished By — 8/30/04 0930 — Date/Time

Received By — 8/30/04 0930 — Date/Time

Received @ Lab By — Date/Time

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

COMPANY: WRS I&E	COMPANY: WRS I&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:
PROJECT NAME/SITE NAME: ROBLIN STEEL	COMMENTS: SEND RESULTS TO: ssoden@wrsie.com

LAB PROJECT #:

CLIENT PROJECT #: 504091

TURNAROUND TIME: (WORKING DAYS)

STD: [ ] 1 [X] 2 [ ] 3 [ ] 5 OTHER: [ ]

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

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 A (CERCLA or Superfund) of 1980, Section 311 of the Clean Water Act, and Subtitle I of the Resource Conservati and Recovery Act (RCRA), EPA has been delegated the responsibility to undertake response actions with respect the release or potential release of oil, petroleum, or hazardous substances that pose a substantial threat to hum health or welfare, or the environment. In addition, EPA provides technical assistance to help mitigate endangerme 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 (STAR 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 w applicable D.O.T. or IATA Regulations and were collected by the WESTON START and were tentatively designa 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 sc that are not reasonably expected to be contaminated with hazardous materials. Samples of on-site soils or water, a materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, poc and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained fron known radioactive material contamination site or which demonstrate beta or gamma activity greater than three tin average background as scanned with a Geiger-Mueller radiation survey meter are considered *Radioactive Sampl*

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 chemi exposure:

____ Level A ____ Level B ____ Level C X Level D

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

This form was prepared by: Todd Kast Date 8/30/04

[redacted] ____ Date __/__/__

Laboratory Name: Paradigm Environmental Services, Inc

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

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

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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 l WESTON START are not represented to be, nor are they adequate or applicable in all situations, nor ar intended to serve as substitutes for professional/personal judgement.

This form was prepared by: Todd Kast Date 9/13/04

[redacted] Date __/__/__

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

Laboratory Name: _____

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

APPENDIX F

Sample Location GPS Coordinates

Sample Location	Longitude	Latitude
OU-3A-A1	-79.316659892	42.48708553
OU-3A-A2	-79.316599735	42.487123085
OU-3A-A3	-79.316545724	42.487157715
OU-3A-A4	-79.316490015	42.487194256
OU-3A-A5	-79.316431454	42.487228336
OU-3A-A6	-79.316376473	42.487264605
OU-3A-A7	-79.316320472	42.4872951
OU-3A-A8	-79.316246655	42.487337693
OU-3A-B8	-79.316193349	42.487291581
OU-3A-B7	-79.316281006	42.487250343
OU-3A-B6	-79.316333919	42.487217496
OU-3A-B5	-79.316390859	42.487182244
OU-3A-B4	-79.316446778	42.487141252
OU-3A-B3	-79.316517748	42.487109939
OU-3A-B2	-79.316577048	42.487065637
OU-3A-B1	-79.316654849	42.487017535
OU-3A-D1	-79.316567449	42.487033542
OU-3A-C1	-79.316350526	42.487151105
OU-3A-C2	-79.316304392	42.487170718
OU-3A-C3	-79.316243945	42.487197699
OU-3A-C4	-79.316161304	42.487250867
OU-3A-D5	-79.316128621	42.487194985
OU-3A-D4	-79.316210223	42.487165222
OU-3A-D3	-79.31627632	42.487139848
OU-34-D2	-79.316327565	42.487125257
OU-3A-E9	-79.316048967	42.487101711
OU-3A-E8	-79.316104004	42.487146725
OU-3A-E7	-79.316168594	42.487123881
OU-3A-E6	-79.316241799	42.487100639
OU-3A-E5	-79.316307872	42.487085651
OU-3A-E4	-79.316369008	42.487065277
OU-3A-E3	-79.316435067	42.487038753
OU-3A-E2	-79.316493281	42.487020234
OU-3A-E1	-79.316558199	42.487005153
OU-3A-F1	-79.3166317	42.486961695
OU-3A-F2	-79.316542859	42.486971234
OU-3A-F3	-79.316482169	42.486993066
OU-3A-F4	-79.316411239	42.48700664
OU-3A-F5	-79.316342215	42.487027716
OU-3A-F6	-79.316279652	42.487050948
OU-3A-F7	-79.316210832	42.487063633
OU-3A-F8	-79.316110546	42.487073113
OU-3A-F9	-79.3160128	42.487057395