# 2021 Hazardous Waste Scanning Project File Form Naming Convention.

(File\_Type).(Program).(Site\_Number).(YYYY-MM-DD).(File\_Name).pdf

Note 1: Each category is separated by a period "."

Note 2: Each word within category is separated by an underscore "\_"

Specific File Naming Convention Label:

Report, ERP, B00025, 2001-05-01. Tank\_ Closure\_Report

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Date August 30, 2001

Report

Tank Closure Report Former Roblin Steel Facility North Tonawanda, New York

May 2001

# TANK CLOSURE REPORT FORMER ROBLIN STEEL FACILITY NORTH TONAWANDA, NEW YORK

Prepared for

CITY OF NORTH TONAWANDA, NEW YORK

Prepared by

STEARNS & WHELER, LLC Environmental Engineers and Scientists One Remington Park Drive Cazenovia, NY 13035 (315) 655-8161

May 2001

Project No. 80049FA

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#### Appendix

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Tank Cleaning Affidavits Disposal Receipts and Records Soil Sample Analytical Results B C

#### SITE

Former Roblin Steel Facility North Tonawanda, NY

NYSDEC Brownfield Project No.: B00025-9

Spill Number: Not applicable

#### SUBJECT TANK

Tank No 1N	5,000-gallon underground fuel oil storage tank
	5,000-gallon underground fuel oil storage tank
Tank No 3	10,000-gallon underground fuel oil storage tank
Tank No 4	2,000-gallon underground fuel oil storage tank

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#### TANK CLOSURE REPORT FORMER ROBLIN STEEL FACILITY NORTH TONAWANDA, NEW YORK

#### **SECTION 1 - INTRODUCTION**

#### 1.1 DATE OF TANK REMOVAL

The storage tanks were closed on December 15 through December 30, 2000. This included mobilization, tank removal, tank cleaning, waste disposal, carbon filtering, and backfill.

#### 1.2 PURPOSE OF TANK REMOVAL

The City of North Tonawanda, in accordance with the New York State Brownfields Program, is continuously working to remediate and restore the former Roblin Steel facility. The above-referenced underground storage tanks (USTs) were identified as discrete areas of concern at the former Roblin Steel plant that would require some form of management. The tanks were no longer in service and removed to prevent potential migration of the contaminants of the tank contents through spills and/or leaks.

#### 1.3 PERMITS REQUIRED OR OBTAINED

A permit was not required for the tank closures. A certificate of affidavit for the proper underground storage tank cleaning procedure and waste disposal receipts can be found in Appendices A and B, respectively, for each of the steel tanks removed from the site (Tanks 1N, 2S, and 4).

#### 1.4 CONTRACTORS.

#### A. Contractor Performing Tank Removal

Environmental Products and Services, Inc. 170 Cooper Avenue, Suite 100 Tonawanda, NY 14150

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#### B. Contractor Performing Post-Excavation Sampling.

Environmental Products and Services, Inc. 170 Cooper Avenue, Suite 100 Tonawanda, NY 14150

#### 1.5 NUMBER, SIZE, DESCRIPTION, AND MANUFACTURER OF TANK REMOVED

One 2,000-gallon and two 5,000-gallon steel constructed tanks were removed from the site. In addition, one 10,000-gallon fiberglass constructed tank was excavated and demolished on site. The manufacturer of the tanks could not be identified.

#### **SECTION 2 - CLOSURE DESCRIPTION**

#### 2.1 DESCRIPTION OF TANK CLOSURE PROCEDURES

The four tanks were uncovered and the contents removed by a vacuum truck and transported to Industrial Oil Tank Service by Environmental Products and Services. Upon removal, any residual contents were drained from the tanks and associated piping and then removed from the site. Waste disposal tickets for the tank contents are included in Appendix B. The tanks were excavated and cleaned by Environmental Products and Services in accordance with all NYSDEC and USEPA regulations. All groundwater removed from the site during excavation and the rinse water from the tank cleaning was placed in three Baker tanks and later treated by carbon adsorption. All contaminated soil excavated from the areas containing the tanks was placed in a staging area on sheets of poly plastic to prevent any further transport of contamination. Sampling of the excavated area and the contaminated soil piles was performed as described in Section 3.

In order to reduce the amount of waste generated from the removal of the tanks, the groundwater removed to aid in the excavation and the water used to clean the tanks was treated through activated carbon, tested, and discharged to the North Tonawanda wastewater treatment plant. Because the tank closure was performed in December, there were problems associated with water (cleaning water and recovered groundwater) freezing in the underground storage tanks and Baker tanks. The ice formed on the tanks was broken, removed, and placed on the contaminated soil piles. The only liquids removed from the site were the various petroleum (gasoline) mixtures found inside the tanks (6,600 gallons to date), as shown by the disposal receipts. The contents of two of the Baker tanks

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were removed during the initial excavations. The third Baker tank required a warm period to thaw the contents. The remaining tank was cleaned and removed from the site on April 18, 2001. All sediment inside the Baker tank was placed on the existing contaminated soil piles awaiting disposal.

#### 2.2 DESCRIPTION OF TANK DISPOSAL PROCEDURES

The three steel tanks excavated from the site were removed by Junction Road Recycling, Inc. Disposal receipts are located in Appendix B. The 10,000-gallon fiberglass tank was demolished after removing all of the contents and placing them on the contaminated soil pile for disposal.

#### 2.3 DESCRIPTION OF PRODUCT RELEASED DURING TANK AND LINE REMOVAL

The supply and vent piping for Tanks 3 and 4 was totally removed from the site during the removal of the tanks. The piping associated with Tanks 1N and 2S was also removed, but the entire site was not explored to verify that all pipe had been removed. All piping removed from the site was drained in the same manner as the tanks and disposed of with the tanks under the cover of "unprepared steel."

### 2.4 DISPOSAL OF HAZARDOUS WASTE AND NON-HAZARDOUS WASTE GENERATED

Approximately 6,600 gallons of product was pumped into a tanker truck and transported off site to Industrial Oil Tank Service for recycling. A total of 5,240 pounds of unprepared steel consisting of three of the USTs and the associated piping for all four of the USTs was also removed from the site by Junction Road Recycling, Inc. (Appendix B). Currently, three contaminated soil piles placed on and covered by poly plastic are still located on site.

#### 2.5 USE OF EXCAVATED SOIL NOT DISPOSED OF

Once the excavated area was tested and it was clear that the contamination was not present in the remaining soil, the excavated area was lined with poly plastic. The clean soil excavated from the top of the tanks and concrete rubble was used as backfill for each location. The three contaminated soil piles present on site will be removed during the next phase of the project, following the Record of Decision for the site. Each pile is located on and covered by impermeable poly plastic, eliminating the threat of contamination. Soil samples of the affected areas were taken and tested as described in Section 3.1.

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#### 2.6 REGULATORY PERSONNEL IN ATTENDANCE

John Hyden and Jim Tuk of the New York State Department of Environmental Conservation were present during portions of the tank closures.

#### **SECTION 3 – SOIL SAMPLING**

### 3.1 METHODS USED TO OBTAIN AND HANDLE SAMPLES COLLECTED IN THE FIELD

Soil samples were collected following the removal of the tanks. A composite sample of the three contaminated soil piles and samples of each of the four excavated locations were extracted. The five soil samples were analyzed by USEPA Methods 8021 and 8270 for the target parameters established in STARS Memo No. 1, Petroleum-Contaminated Soil Guidance Policy (NYSDEC, 1992). The analytical results of each soil test are located in Appendix C.

#### 3.2 COMPANY PERFORMING SAMPLING

A representative of Environmental Products and Services performed the above-referenced sampling.

#### **SECTION 4 - EXTENT OF PETROLEUM IMPACT**

#### 4.1 VERTICAL AND LATERAL EXTENT OF PETROLEUM IMPACT

Soil samples were taken in each excavated area to ensure that the extent of the contaminated soil had been removed. A composite sample of the three contaminated soil piles was also taken to help determine the quality of the excavated soil. Soil sample headspace analysis was conducted in the field using a photoionization detector. The soil placed on the poly plastic exhibited strong petroleum odors, and volatile organic concentrations were detected using the PID. The soil above the tanks did not exhibit any detectable volatile concentrations and was placed in a clean staging area to be used in conjunction with concrete rubble as clean backfill. The soil samples collected from the excavated areas and contaminated soil piles were analyzed for target parameters listed in STARS Memo No.1 by USEPA Methods 8021 and 8270. Petroleum-impacted soil was observed in one of the tank locations and was also detected in the piles to be removed from the site.

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#### 4.2 NYSDEC OIL AND HAZARDOUS MATERIAL SPILL REPORTING PROGRAM

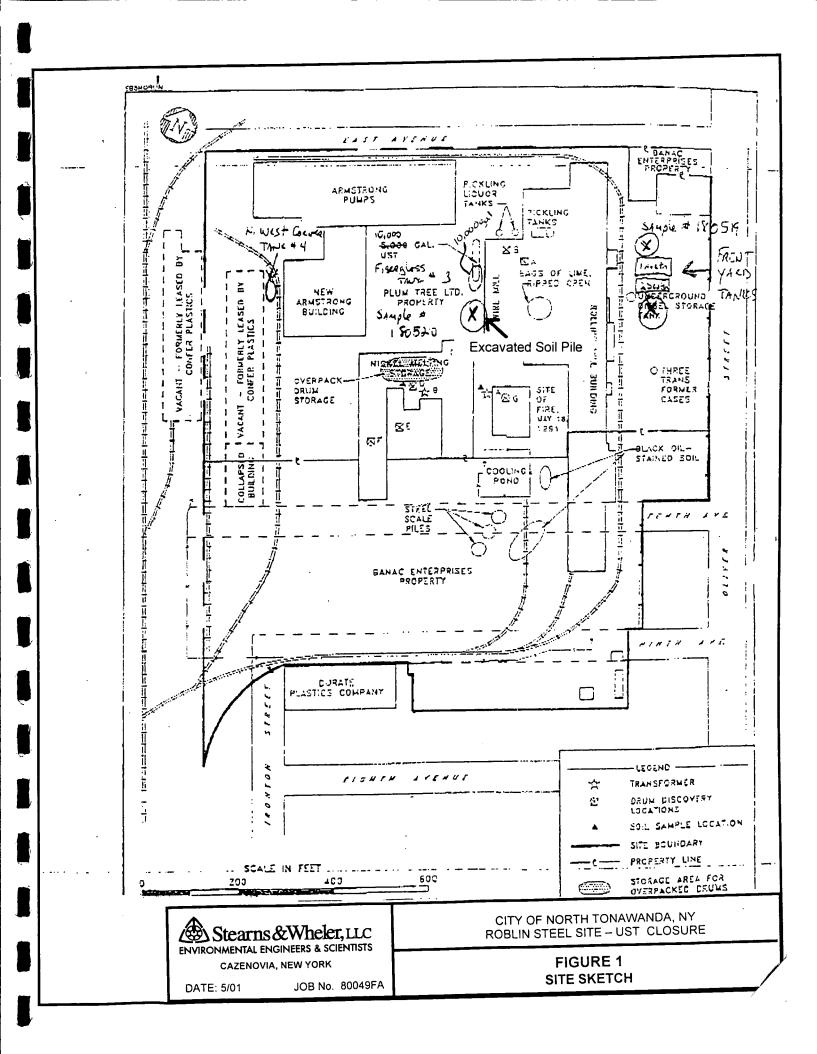
A NYSDEC spill number was not assigned to the site as a result of the tank closure.

#### **SECTION 5 - CONCLUSIONS AND RECOMMENDATIONS**

Due to the ongoing efforts to remediate the former Roblin Steel facility, the tanks were excavated and removed from the site. Analytical data indicates that soil sample #180519 (taken at Tanks 1N and 2S) contained some concentrations of volatile organic compounds. The soil samples collected contained concentrations of n-butylbenzene (35.2 µg/l), tert-butylbenzene (11.6 µg/l), cymene (4-isopropyltoluene) (6.7 μg/l), ethylbenezene (8.8 μg/l), naphthalene (26.7 μg/l), n-propylbenzene  $(7.2 \mu g/l)$ , 1,2,4-trimethylbenzene (66.3  $\mu g/l)$ , 1,3,5-trimethylbenzene (31.1  $\mu g/l)$ , sec-butylbenzene  $(3.6 \mu g/l)$ , cumene (isopropylbenzene)  $(3.0 \mu g/l)$ , and total xylenes  $(29.3 \mu g/l)$ , indicating there are slight petroleum impacts present at the site. Guidance values from NYSDEC STARS Memo No. 1 exceeded for concentrations of n-butylbenzene, tert-butylbenzene, (4-isopropyltoluene), ethylbenezene, n-propylbenzene, 1,2,4-trimethylbenzene 1,3,5-trimethylbenzene, and total xylenes. All other samples collected at the site did not contain any detectable concentrations of target parameters.

The site and surrounding area is serviced by municipal water supply, reducing the risk of human contact with any potential petroleum contamination. Although some of the guidance values established in STARS Memo No.1 were exceeded for some parameters, any residual fuel oil contamination will be addressed during subsequent phases of the proposed remediation. Each of the additional phases will address the other areas of concern on the site and will be determined following the Record of Decision. The soil pile that remains on site following excavation of the tanks will be managed as part of Area of Concern 1. Based on the information provided in this report, no further action is recommended at this time.

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**APPENDICES** 

### APPENDIX A TANK CLEANING AFFIDAVITS

17164474708-

To whom it may concern:

This letter is to verify that the following tanks originating from the location(s) stated below have been cleaned by Environmental Products & Services, Inc. pursuant to all New York State Department of Environmental Conservation and United States Environmental Protection Agency Regulations.

i annes:	type and	Size	•		
	5 100	Gallen	Steel	(Twice	#1
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	North-	Tonimumb	7 N.V		
Date:		12/27/03	\		
		,			
Very truly yours					

ENVIRONMENTAL PRODUCTS & SERVICES, INC.

JUNCTION ROAD RECYCLING, INC. 5220 Junction Rd. Lockport, NY 14094 (716) 433-8635 Fax (716) 439-4278 Buyers/Sellors Of Scrap Metals

1041.010

12/2-1/2000

To whom it may concern:

Tanks:

This letter is to verify that the following tanks originating from the location(s) stated below have been cleaned by Environmental Products & Services, Inc. pursuant to all New York State Department of Environmental Conservation and United States Environmental Protection Agency Regulations.

	5,000	Gallin	Steel	(Truc * 2)
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Very truly yours,

ENVIRONMENTAL PRODUCTS & SERVICES, INC.

Type and Size

JUNCTION ROAD RECYCLING, INC.
5220 Junction Ro.
Lockport, NV 14094
(716) 433-8636 Fax (715) 439-4278
Buyers/Sellers Or Turner Metals

1041.019

12/27/2000 HAA) 8,560

To whom it may concern:

This letter is to verify that the following tanks originating from the location(s) stated below have been cleaned by Environmental Products & Services, Inc. pursuant to all New York State Department of Environmental Conservation and United States Environmental Protection Agency Regulations.

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Very truly yours,

ENVIRONMENTAL PRODUCTS & SERVICES, INC.

Type and Size

JUNCTION ROAD RECYCLING, INC.

5220 Junction Rd.

ockport. NV 14094 (715) 433-8636 1717 439-4278

Buyers/Selfant and processis

1041.010

12/21/2000

### APPENDIX B DISPOSAL RECEIPTS AND RECORDS

STRAIGHT BILL OF LADING/NON-HAZAR	DOUS WASTE MANIFEST
	No. 0461
1. Generator Information Generator Name: AGBLIN STEEL Generator Mailing Address: EAST + OLIVER A VENUE	Site Address: SAME
AMAGE FORMULANDA MY 141CI	Generator Felephone No.: (315) 655 - 8161
2 Destination/Disposal Facility Information purts + SEA VICES, THE WA	Facility 12.0 DAY ACAD
2. Destination/Disposal Racilly Information pucts + SEA VICES, TAL WAR Company Name: C	Sile Address: 5-32 STATE FAM SULL WIF
3. Transporter Transporter 1 Company Name: Information ENVIRONMENTAL PRODUCTS + SERVICES OF BUFFAL	Transporter 2 Company Name:
Telephone No.: (716) 447-4700	Telephone No.:
License Plate No.: PD1909 (UY)	License Plate No.:
4. Material/Waste Description	Hazard VD Packing Total Unit of
Containers  1 Material Description/  No. Type 1-HM 1-Proper Shipping Namo if DOT Hazardous Material  1 Proper Shipping Namo if DOT Hazardous Material	Trace (1) Packing Warbly Warbly
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5. Johno 6. Approval Nos.	7. Purchase Order No. 8. Additional in Street St. Required Placard(s) 1
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11 Acknowledgement of Receipt of Malarial - To be Completed by Signatories	r'Signature: William aquit to 5. Sprigment Date: 2 (2/01
Transporter 1 Driver Name (Print) DONNAY Ed S Benty Signature	Shipment Date: 2/0/01
Transporter 2 Driver Name (Print):	Shipment Date:
12 Facility Receiving Wastes - Authorized Agent: Boet D. Freto	Signature: Sett Precaipt Date 2/5/01
13. Emergency Telephone No.: (7/1 14:47 - 4704 Contact Name: DA	Figured to transport the Theraphous Material only.
Discrepancy Indication Space to be Completed by the Disposal Facility.	
Telefon	

1. Generator Informations	No. 0463
Generator Informations  Generator Name: Roolly  Generator Mailing Address: EAST OLIVER AVE  Site Address: SAME	
2. Destination/Disposal Facility Information	61
Telephone No.: (115) 736-6080	7.11
Information Environmental Modulet & State of BUFFALO Transporter 2 Company Name:	327
License Plate No.:	Page 1
Material Waste Description  Containers	Packing Total Unit of Weight/ Weight/
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6. Job No. 6 Approval Nos.	
B 2998  6. Purchase Ordor No. B. Additional Informations of the second o	Required Placard(s)
10138 FA6# BE	FLAMMABLE
Generator Confidence of Receipt of Material - To be Completed by Signatories	Department Transportation
Transporter 1 Driver Name (Print): Micheal Wrobel Signature Micheal Signature	ipment Date: 2-2-0)
2 Facility Receiving Wastes - Authorized Agent: Arch 17 6 14 Signature:	nipment Date:
Facility Receiving Wastes - Authorized Agent: Great Difficial Signature: Sign	Georgia Date: 2/8/0/
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This form may not be used for Wastes identified as hazardous under state or RCRA regulations.

White: Retained by TSDF Canary: Mailed by TSDF to EPS Branch Pink: Retained by Generator

Environmental Products & Services, Inc., P.O. Box 316, Syracuse, NY 13208

315

655 4180:#

JUNCTION ROAD RECYCLING 6220 Junction Road Lockport, New York, 14094 (716) 433-8636 Fax (716) 439-4278 Buyers & Sellers of Scrap Metals CUSTOMER NAME	i, INC.	14973 ON OFF	LOAD NO.  THEIR TICKET	ACCOUNT PURCHASE OF	BOX NO.	ACCOU!	
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Environmental Products & Services, Inc., P.O. Box 315, Syracuse, NY 13203

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## APPENDIX C SOIL SAMPLE ANALYTICAL RESULTS

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01/12/01 09:03 \$315 458 0249

ENVI LAB SVCS



#### Environmental LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212 (315) 45<del>0-8</del>033, FAX (315) 458-0249, (800) 842-4667

PROJECT #: 995728 RECEIVED: 12/26/00

STEARNS & WHEELER FORMER ROBLIN STEEL N TONAWANDA NY

E.P.S. BUFFALO 170 COOPER AVENUE SUITE 100 TONAWANDA

NY 14150 ATTN: ENVIRONMENTAL COORDINATOR

7.0. # 10036. CLIENT JOB NUMBER: 82998

TEST PERFORMED	RESULTS	UNIT\$	DÀTE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 180519 CLIENT SAMPLE	ID: B2042	FRONT YARD TAN	K 1N.& 25.	DATE SAMPLED	: 12/19/00
TOUP PREPARATION, NON VOLATILE	YE8		12/28/00	EPA 1811	BRD
TOLF PREPARATION, VOLATILE	YES		Q1/03/Q1	EPA 1311	BRD
VOL ORGANICS - EPA 8021 TCLP STARS		UG/L	01/04/01	EPA 8021	SKW
BENZENÉ	<0.7				
N-BUTYLBENZENE	35.2				
SEC-BUTYLBENZENE	3.6	•			
TERT-BUTYLBENZENE	11,6				•
CUMENE (ISOPROPYLIENZENE)	3.0				
CYMENE (4-ISOPACPYLTOLUENE)	6.7				
ETHYLBENZENE	8.8	TENUE	` · · · · ·		~~~
NAPHTHALENE	25.7 g	~ ~ "	Against the State of	. इ.स. ५००	
N-PROPYLBENZENE	7.2 🖑	0.00		·	)
TOLUENE	<1.0	•			
1,2.4-YRIMETHYLSENZENE	88.3		N. J. S.		
1,3,5-TRIMETHYLBENZENE	31.1		7 P.75		
TOTAL XYLENES	29.3		5 (		
MTBE	<1.0				
TCLP SEMIVOLATILES - STARS LIST		UG/L	01/03/01	EPA 9270	skw
ACENAPHTHENE	1.46	•			
ANTHRACENE	<1.0				
BENZO(A)ANTHRACENE	<1.0				
BENZOIBIFLUORANTHENE	<1.0				
BENZQ(K)FLUORANTHENE	· <1.0				
BENZO(G,H,I)PERYLENE	<1.0				
BENZOLAJPYRENE	<1.0				
CHRYSENE	<1.0				
DIBENZ(A,H) ANTHRACENE	< 1.0				
FLUCHANTHENE	<1.0				
FLUCRENE	1.36				
IND ENO(1,2,3-CD)PYRENE	<1.0				
	•	Page 1			

01/12/01 08:03 **23**315 458 0249

ENV! LAB SYCS

@ 002/007

E.P.S. BUFFALO 170 COOPER AVENUE

SUITE 100

TONAWANDA NY 14150 ATTN: ENVIRONMENTAL COORDINATOR

P.O. # 10036

CLIENT JOB NUMBER: B2998

PROJECT #: 995728 RECEIVED: 12/25/00

STEARNS & WHEELER FORMER ROBLIN STEEL N TONAWANDA

DATE METHOD PERFORMED TEST PERFORMED RESULTS UNITS NUMBER PERFORMED BY

SAMPLE #: 180519 CLIENT SAMPLE ID: B2042 PRONT YARD TANK 19.4 28. DATE SAMPLED: 12/19/00 TCLP SEMIVOLATILES - STARS LIST UG/L 01/03/01 EPA 8270 SKW NAPHTHALENE 3.50

PHENANTHRENE <1.0

PYRENE < 1.0 CLIENT SAMPLE ID, B2042 FIBERGLASS TANKS SAMPLE #: 180520 DATE SAMPLED: 12/22/00 TOUP PREPARATION, NON VOLATILE YES 12/28/00 EPA 1311 BRO TCLF PREPARATION, VOLATILE YES 01/03/01 **EPA 1311** BRD VOL ORGANICS - EPA 8021 TCLP STARS UG/L 01/05/01 EPA 8021 SKW BENZENE <0.7 N-BUTYLBENZENE <1.0 SEC-BUTY LOENZENE <1.0 TERT-BUTYLBENZENE <1.0 CUMENE (IGOPROPYLBENZENE) < 1.0 ðΚ CYMENE (4-ISOPROPYLTOLUENE) <7.0 ETHYLBENZENE <1.0 NAPHTHALENE <1.0 N-PROPYLBENZENE <1.0 TOLUENE €1.0 1,2,4-TRIMETHYLBENZENE <1.0 1,3.5.TRIMETHYLBENZENE <.1.0 TOTAL XYLENES <1.0 MTEE <1.0 TCLP SEMIVOLATILES - STARS LIST UG/L EPA 8270 **BKW** 01/03/01 ACENAPHTHENE <7.0 ANTHRACENE <1.0 BENZOIA)ANTHRACENE <1.0 **BENZOLIZIE) OZNAB** <1.0 BENZO(K)FLUORIANTHENE

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<1.0



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E.P.S. BUFFALO 170 COOPER AVENUE SUITE 100

TCNAWANDA NY 14150 ATTN: ENVIRONMENTAL COORDINATOR

P.O. # 10036 CLIENT JOB NUMBER: B2998

PROJECT #: 995728 RECEIVED: 12/26/00

STRARMS & WHEELER FORMER ROBLIN STEEL N TONAWANDA MY

TEST PERFORMED		RESULTS	UNITS	DATE PERFORME	MET NUN	HOD 19er	PĒRFORME: BY
SAMPLE #: 180526 CLIENT	SAMPLE I	D: B2042	PIBERGLASS	TANK3	DATE	angled:	12/22/00
TOUR SEMIVOLATILES - STARS LIST			UG/L	01/02/01	EPA :	<b>827</b> 0	SKW
BENZO(G,H,IIPERYLENE		<1.0					
BENZO(A)PYRENG		< 1,0					
CHRYSENE		< 1.0					
DIBENZ(A,H)ANTHRACENE		< 1.0					
FLUORANTHENE		<1.0					
FLUCRENE		< 1.0	•				
INDERO(1,2,3.CD)PYRENE		< 1.0		•			
NAPHTHALENE		< 1.0					
FHENANTHRENE		< 1.0					
Pyrene		< 1.0					
	Sample I		n.west corm		-	SAMPLED:	
TCLP PREPARATION, NON VOI ATILE	SAMPLE I	YE <del>3</del>	n.West Corn	12/28/06	EPA 1	311	BRD
	SAMPLE I		n.West Corn		-	311	• • •
TCLP PREPARATION, NON VOLATILE TCLP PREPARATION, VOLATILE VOL. DRIGANICS • EPA 8021 TCLP STA		YE <del>3</del>	N.WEST CORM UG∧L	12/28/06	EPA 1	311 311	вяо
TCLP PREPARATION, NON VOLATILE  TCLP PREPARATION, VOLATILE  VOL. ORGANICS - EPA 8021 TCLP STA  BENZENE		YE <del>3</del>		1 2/28/06 01/03/01	EPA 1	311 311	BRD
TCLP PREPARATION, NGN VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRIGANICS - EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE		YES		1 2/28/06 01/03/01	EPA 1	311 311	BRD
TCLP PREPARATION, NGN VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS - EPA 8021 TCLP STA  8ENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE		YES YES <0.7	UG∕L	1 2/28/06 01/03/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NGN VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS - EPA 8021 TCLP STA  8ENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE  TERT-BUTYLBENZENE		YES YES <0.7 <1.0		1 2/28/06 01/03/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NGN VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS • EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE  SEC. BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)	ARS	YES YES <0.7 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NGN VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS • EPA 8021 TCLP STA  8ENZENE  N-BUTYLBENZENE  SEC. BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)  CYMENE (4-ISOPROPYLTOLUENE)	ARS	YES YES <0.7 <1.0 <1.0 <1.0 <1.0 <1.0	UG/L	1 2/28/06 01/03/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NON VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DREANICS - EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)  CYMENE (4-ISOPROPYLTOLUENE)  ETHYLBENZENE	ARS	YES YES <0.7 <1.0 <1.0 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NON VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS • EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)  CYMENE (4-ISOPROPYLTOLUENE)  ETHYLBENZENE  NAPHTHALENE	ARS	YES YES <0.7 <1.0 <1.0 <1.0 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NON VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS • EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)  CYMENE (4-ISOPROPYLTOLUENE)  ETHYLBENZENE  N-PROPYLBENZENE	ARS	YES  YES  <0.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NON VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS • EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)  CYMENE (4-ISOPROPYLTOLUENE)  ETHYLBENZENE  N-PROPYLBENZENE  N-PROPYLBENZENE  TOLUENE	ARS	YES  VES  <0.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NON VOI ATILE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS - EPA 8021 TCLP START BENZENE N-BUTYLBENZENE SEC-BUTYLBENZENE TERT-BUTYLBENZENE CUMENE (ISOPROPYLBENZENE) CYMENE (4-ISOPROPYLTOLUENE) ETHYLBENZENE NAPHTHALENE N-PROPYLBENZENE TOLUENE 1.2.4-TRIMETHYLBENZENE	ARS	YES  VES  <0.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD
TCLP PREPARATION, NON VOI ATHE  TCLP PREPARATION, VOLATILE  VOL. DRGANICS • EPA 8021 TCLP STA  BENZENE  N-BUTYLBENZENE  SEC-BUTYLBENZENE  TERT-BUTYLBENZENE  CUMENE (ISOPROPYLBENZENE)  CYMENE (4-ISOPROPYLTOLUENE)  ETHYLBENZENE  N-PROPYLBENZENE  N-PROPYLBENZENE  TOLUENE	ARS	YES  VES  <0.7 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	UG/L	12/28/06 01/93/01 01/05/01	EPA 1	311 311	BRD

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ENVI LAB SYCS

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E.P.S. BUFFALO 170 COOPER AVENUE

SUITE 100

TONAWANDA NY 14150 ATIN: ENVIRONMENTAL COORDINATOR

P.O. # 10036

CLIENT JOB NUMBER: B2998

PROJECT #: 595728 RECEIVED: 12/26/00

STEARNS & WHEELER FORMER ROBLIN STREI N TONAWANDA NY

METHOD PERFORMED BY DATE TEST PERFORMED RESULTS UNITS PERFORMED NUMBER SAMFLE #: 130521 CLIENT SAMPLE ID: B2042 N. WEST CORNER TANK4 DATE SAMPLED: 12/22/00 VOL: OFGANICS - EPA 8021 TCLP STARS UĠ/L 01/05/01 **EPA 8021** SKW MTBE < 1.0 **ICLP SEMIVOLATILES - STARS LIST** UG/L 01/03/01 EPA 8270 SXW ACENAPHTHENE <1.0 ANTHRACENE < 1.0 BENZO(AIANTHRACENE < 1.0 BENZO(B)FLUORANTHENE < 1.0 BENZO(K) FLUORANTHENE < 1.0 BENZO(G,H,I)PERYLENE ₹1.0 BENZQIAIPYRENE < 1.0 CHRYSENE < 1.0 DIBENZ(A,H)ANTHRACENE <1.0 FLUORANTHENE <1.0 FLUCRENE <1.0 INDENO(1,2,3-CO)FYRENE < 1.0 NAPHTHALENE <1.0 PHENANTHRENE <1.0 PYRENE <1.0

SAMPLE 0: 180522	CLIENT SAMPLE	ID: B2042	CONTANDINATED :	SOIL	DATE SAMPLED:	12/22/00
CYANIUE REACTIVITY		<10	MG/KG	1 2/27/00	SW848 9010	11246 (NY)
FLASHPOINT		>160	Degrees F	1 2/29/00	EPA 1010	DMP
HYDROGEN ION (PH)		8.08	UNITS	12/26/00	SW848 9045C	GS
SOLIDS, TOTAL		81	PERCENT	12/29/00	EPA 160.3	DMP
SULFIDE REACTIVITY		<b>∢</b> \$0	MG/KG	12/27/00	8W\$46 9030	11248 (NY)
METALS DIGESTION - TCL	•	YES		01/01/01	EPA 3010	ARD

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ENVI LAB SYCS

@ 005/007

E.P.S. BUFFALO 170 COOPER AVENUE SUITE 100

TONAWANDA

NY 14150 ATTN: ENVIRONMENTAL COORDINATOR

P.O. # 10036 CLIENT JOB NUMBER: 22998

PROJECT #: 995728 RECEIVED: 12/26/00

STEARNS & WHEELER

FORMER ROBLIN STEEL N TONAWANDA NY

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 180522 CLIENT SAMP	LE ID: B2042 C	ONTAMENATED SO	IL :	CATE SAMPLED:	12/22/00
TCLP ARSENIC	< 1.0	MG/L	01/02/01	EPA 6010	wu
TCLP SARIUM	<2.0	MG/L	01/02/01	EPA 6010	₩
TCLP CADMIUM	0.154	MG/L	01/02/01	EPA 6010	₩U
TCLP CHROMIUM	<€.10	MG/L	01/02/01	EPA 6010	Wυ
TCLP LEAD	<0.50	MG/L	01/02/01	EPA 6013	₩u
TOUR MERCURY	<0.02	MG/L	01/03/01	EPA 7470A	BRD
TCLP PREPARATION. NON VOLATILE	YES		12/28/00	EPA 1311	SRD
TCLP PREPARATION, YOLATILE	YES		01/03/01	EPA 1311	BAD
TOLP SELENIUM	<1.0	MQ/L	01/02/01	EPA 6010	wu
TCLF BILVER	<0.10	MG/L	01/02/01	EPA 6010	wu
PC8'S	<0.308	MG/KG DRY WT.	01/10/01	EPA 8082	SKW
The sample was analyzed for the 1242, 1248, 1254, and 1260. The aforementioned individual reported.	The results of this	analysis indicate t	hat none of		
TCLP SEMIVOLATILES ANALYSIS		MG/L	01/03/01	EPA 8270	SKW
TOTAL CRESQL	<0.050				•
2,4-DINITROTOLUENE	< 0.030				
HEXACHLOROBÊNZENE	< 0.050				
HEXACHLOROBUTADIENE	< 0.050				
HEXACHLOROETHANE	<0.050				
NITROBENZENE	< 0.360				
PENTACHLOROPHENOL	< 0.050				
PYRIDINE	< 0.050				
2,4,6-TRICHLOROPHENOL	< 0.350				
		Dage 5			





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ENVI LAB SVCS

@ 006/00T

E.P.S. BUPFALO 170 COOPER AVENUE

SUITE 100 TONAWANDA

NY 14150

ATTN: ENVIRONMENTAL COORDINATOR

P.O. # 10036 CLIENT JOB NUMBER: B2998

PROJECT #: 995728 RECEIVED: 12/26/00

STEARNS & WESELER FORMER FOBLIN STEEL

N TONAWANDA NY

DATE PERFORMED METHOD PERFORMED BY TEST PERFORMED RESULTS UNITS 777 # 3.0.5.0.0

SAMPLE #. 180522	CLIENT SAME	LZ ID: B2042	CONTAMINATED	SOIL.	DATE SAMPLE	12/22/00
TCLP SEMIVOLATILES AN	PIÈYJAN		MG/L	01/03/01	EPA 8270	skw
2,4,8-TRICHLOROFII	iengl	<0.050		41100001	4/74 02/0	SKIV
TCLP VOLATILES ANALYS	SIS		MG/L	01/09/01	EPA 8280	SKV/
BENZEHE		< 0.10			2	ORT,
CARBON LETRACHLE	ORIDĘ	<0.10				•
CHLOROBENZENE		< 0.10				
CHLOROPORM		<0.1C				
1.2-DICHLOROETHAN	NE	<0.10				
1,1-DICHLOROETHY!	.ENE	< 0.10				
2-BUTANONE IMEKI		€0.10				
TETRACHLORDETHY	LENE	<0.10				
TRICHLOROSTHYLEN	<b>E</b>	<0.10				
VINYL CHLORIDE		₹0.10				
1,4-DICHLOROBENZE	NE	<0.10				

Druglas W. Mendrala Laboratory Director

01/11/01 Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.

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PRODUCTS & SERVICES, INC.

\_ PIN NUMBER:

JOB NUMBER: B145

(315)471-0503/(800)843-8265

LABORATORY:

CHAIN OF CUSTODY RECORD

EPS LAB LOG NO. B2641