

Western Steel Casting

VCP NW1055

www.hartcrowser.com



December 19, 2002

Anchorage

Mr. Robert Alexander
Western Steel Casting
145 South Horton Street
Seattle, Washington 98134

Boston

**Re: Underground Storage Tank Removal (UST-2)
 Western Steel Casting - Block 6
 145 South Horton Street
 Seattle, Washington
 7670-02**

Denver

Edmonds

Dear Mr. Alexander:

This letter report summarizes the November 12, 2002, removal of a heating oil underground storage tank (UST) at Block 6 of Western Steel Casting (WSC) located in Seattle (Figure 1). The tank (UST-2) was abandoned and recently discovered on the east side of the WSC office. The UST location and excavation are shown on the Site Plan presented on Figure 2.

Eureka

Our report begins with a Summary of Findings which is followed by our:

Jersey City

- UST Excavation and Disposal;
- Soil Sampling and Analysis;
- Conclusion; and
- Limitations.

Juneau

Complete laboratory analytical results for excavation and stockpile samples are included in Appendix A, and UST disposal documentation is presented in Appendix B.

Long Beach

SUMMARY OF FINDINGS

A 300-gallon heating oil UST was removed from inside the Block 6 foundry building on the west side of the WSC office. The age of the UST was unknown. The UST was connected to a remote fill port located outside the building on Horton Street and was likely associated with a former heating system. The tank appeared to be in good condition and no obvious indications of past leakage were noted. The base of the excavation was approximately 8

Portland

Hart Crowser, Inc.
Five Centerpointe Drive, Suite 240
Lake Oswego, Oregon 97035-8652
Fax 503.320.6918
Tel 503.620.7284

RECEIVED

JAN 30 2003

DEPT OF ECOLOGY

Seattle



feet below grade. Some petroleum-impacted soil was observed around fittings above the top of the tank (0 to 4 feet below the floor slab). Approximately 5 cubic yards of petroleum-impacted soil were excavated and stockpiled next to the excavation.

Two composite side wall samples, one bottom sample, and one stockpile sample were collected and submitted to a laboratory for diesel-range total petroleum hydrocarbons (TPH) analysis. The east side wall sample contained 69 milligrams per kilogram (mg/kg) fuel oil-range TPH, well below Ecology's MTCA Method A cleanup level of 2,000 mg/kg. The west side wall and bottom samples were non detect for TPH.

Stockpile sample UST2-SP contained 2,600 mg/kg fuel oil-range TPH. The stockpile soils were added to petroleum-impacted soil excavated on November 13, 2002, from UST-1, located approximately 50 feet south of UST-2. The soils were transported to Waste Management's South Alaska Street facility in Seattle on November 13. Marine Vacuum also removed 150 gallons of residual heating oil from UST-2 and transported it to the Marine Vacuum facility in Seattle.

Although the tank was not a regulated UST, because it was a heating oil tank, the tank was removed in general accordance with the state UST regulations (Chapter 173-360 WAC).

UST EXCAVATION AND DISPOSAL

Excavation of the tank was conducted on November 12, 2002, by Global Environmental Inc. under the observation of Hart Crowser. Prior to removal of the tank, 150 gallons of residual heating oil were pumped out and the tank was inerted using carbon dioxide. Approximately 5 cubic yards of overburden soils were stockpiled near the excavation. A slight petroleum-like odor was noted in the stockpile soils. The product piping, which connected to a remote fill port on the north side of the building, was severed and plugged with grout. Upon removal, the steel tank appeared to be in good condition, with no obvious indications of leakage present such as tank holes, stained soils, or odors.

The excavation was monitored using a hand-held photo-ionization detector (PID). No organic vapors indicative of petroleum releases were detected by the PID. The extent of the excavation was approximately 8 by 6 feet, with a total depth of 8 feet. The top of the tank was at approximately 4 feet below grade. After removal, the tank was cleaned and placed in a container with other scrap steel from WSC, and delivered to Seattle Iron and Metal for recycling. The UST excavation was then backfilled with clean overburden originating from nearby Occidental Avenue. The Occidental Avenue soils had been excavated by WSC on



November 8, 2002, and placed in three stockpiles (SP-1, SP-2, and SP-3) in the WSC Block 5 warehouse. Hart Crowser collected samples of the stockpiles on November 12. Analysis of the samples indicated the soils contained non-detect to 230 mg/kg fuel oil-range TPH. Stockpile SP-1, which was non detect for TPH, accounted for approximately 80 percent to the total soils used for backfill at UST-2 and UST-1. Sample results for the Occidental Avenue stockpile soils are included in the UST-2 excavation sample lab report in Appendix A.

SOIL SAMPLING AND ANALYSIS

Hart Crowser collected discrete soil verification samples 6 feet below grade from the east and west side walls, and 8 feet below grade from the excavation bottom. Samples were collected from the backhoe bucket using a stainless steel spoon, transferred directly to a 4 oz. jar, and filled to a zero headspace level. The equipment contacting the soil samples was decontaminated prior to sampling. The samples were inserted into a cooler with blue ice and transferred directly to the ESN NW laboratory in Bellevue.

Samples were submitted for analysis of diesel- and oil-range petroleum hydrocarbons by Ecology Method WTPH-D-extended. The east side wall sample contained 69 mg/kg fuel oil-range TPH. The west side wall and bottom samples were non detect for TPH.

The ESN NW analytical report is presented in Appendix A.

Data Quality Evaluation

Hart Crowser reviewed laboratory results for the chemical samples analyzed to verify that the data met acceptable quality assurance/quality control (QA/QC) criteria. The criteria included the following parameters:

- Holding Times;
- Method Blanks;
- Surrogate Recoveries;
- Detection Limits; and
- Chain of Custody.

The laboratory-established control limits for the given parameters were met. The samples were received by the laboratory intact, in a sealed cooler containing blue ice. No data were qualified or rejected based on this evaluation for this project.



Western Steel Casting
December 19, 2002

7670-02
Page 4

CONCLUSION

UST-2 and TPH-impacted soil exceeding the Method A cleanup levels have been removed from the property. Though the UST was not a regulated tank, the UST was removed and assessed in conformance with Ecology's UST regulations and Ecology's guidance for the remediation of petroleum-impacted soils.

LIMITATIONS

Work for this project was performed, and this draft letter report prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of Western Steel Casting for specific application to the subject property. This report is not meant to represent a legal opinion. No other warranty, express or implied, is made.

Any questions regarding our work and this letter report, the presentation of the information and the interpretation of the data are welcome and should be referred the undersigned.

Sincerely,

HART CROWSER, INC.

ROB ROBERTS
Project Chemist
cer@hartcrowser.com

TERRY MONTOYA
Associate Remediation Engineer
twm@hartcrowser.com

Attachments:

Figure 1 - Vicinity Plan

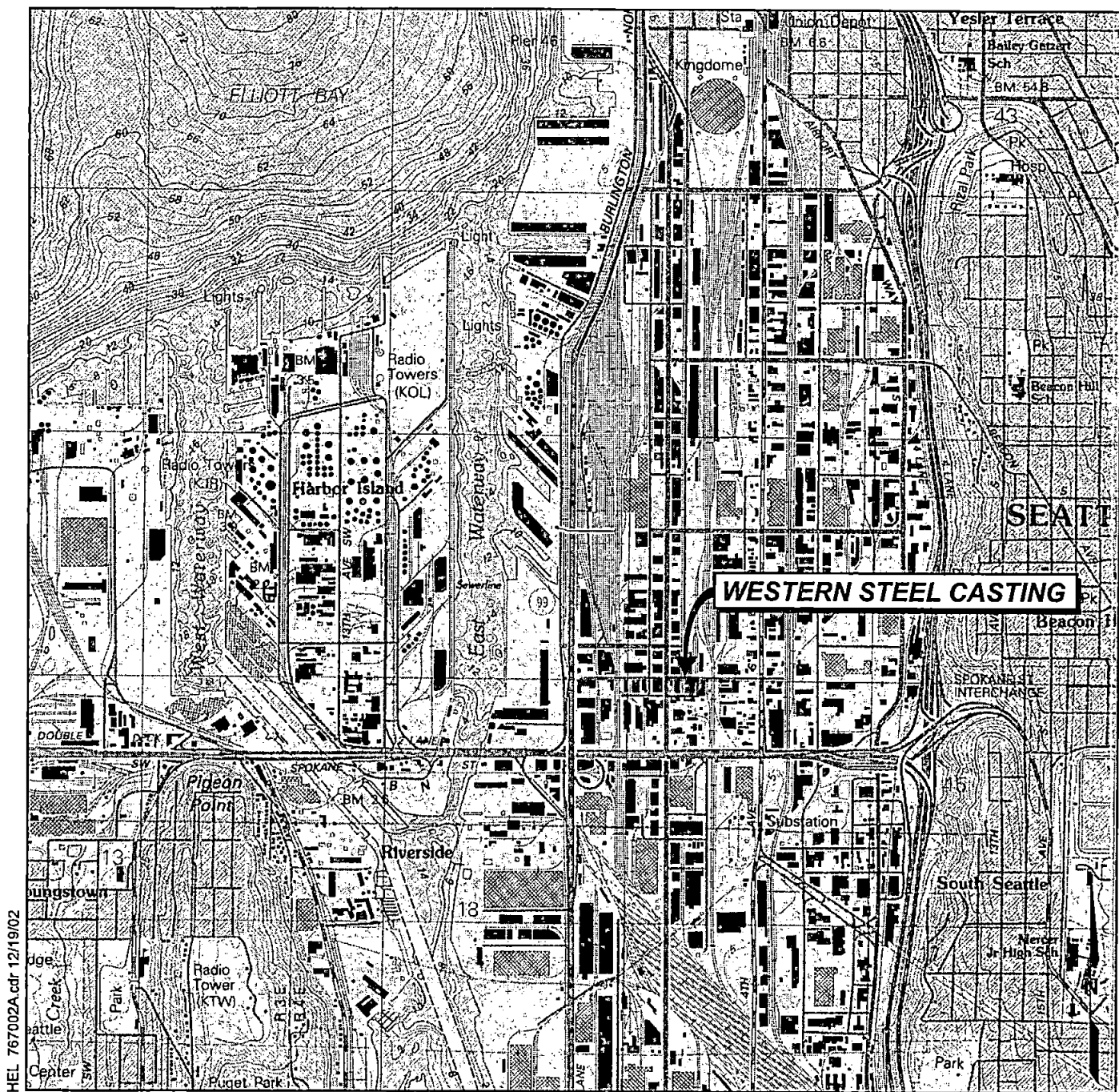
Figure 2 - Site Plan

Appendix A - Laboratory Report

ESN Northwest

Appendix B - Disposal and Closure Documents

Vicinity Map



Note: Base map prepared from 7.5x15 minute quadrangle map of Seattle South, dated 1983.

0 2000 4000
Approximate Scale in Feet

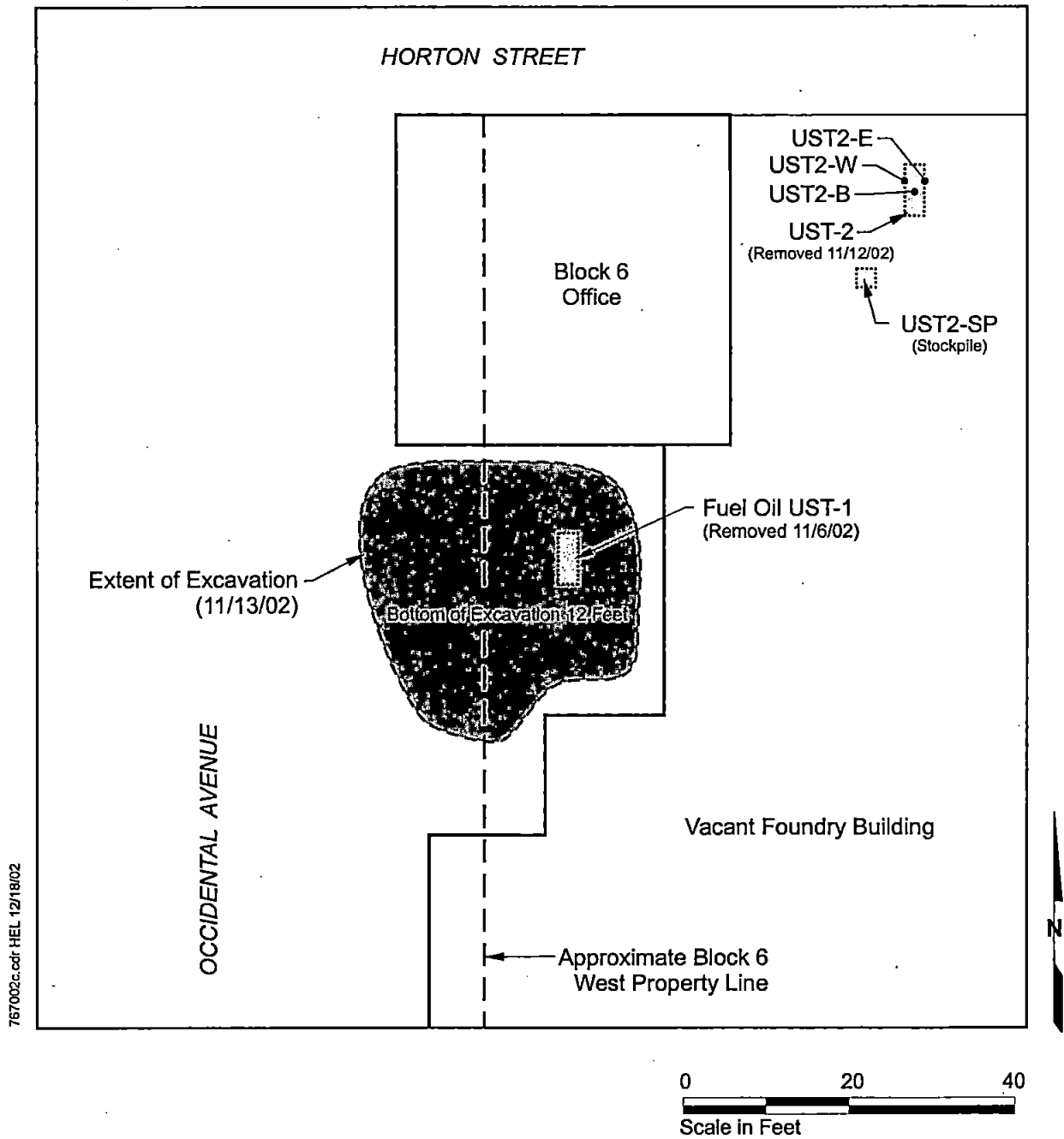


HARTCROWSER

7670-02
Figure 1

12/02

Site and Exploration Plan



**APPENDIX A
LABORATORY REPORT
ESN NORTHWEST**

November 21, 2002

Rob Roberts
Hart Crowser
1910 Fairview Avenue East
Seattle, WA 98102-3699

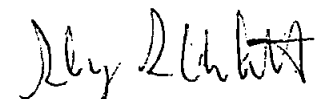
Dear Mr. Roberts:

Please find enclosed the analytical data report for the Western Steel Casting Project in Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended on November 12, 2002.

The results of these analyses are summarized in the attached tables. All soil samples are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work has been sent to your accounting department.

ESN Northwest appreciates the opportunity to have provided analytical services to Hart Crowser for this project. It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,



Sherry L. Chilcutt
Vice President

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S21112-1
Client: HART CROWSER
Client Job Name: WESTERN STEEL CASTING
Client Job Number: NA

Analytical Results

| NWTPH-Dx, mg/kg | | MTH BLK | UST2-W | UST2-E | UST2-B | UST2-SP |
|-------------------|-----------|----------|----------|----------|----------|----------|
| Matrix | Soil | Soil | Soil | Soil | Soil | Soil |
| Date extracted | Reporting | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 |
| Date analyzed | Limits | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 |
| Kerosene/Jet fuel | 20 | nd | nd | nd | nd | nd |
| Diesel/Fuel oil | 20 | nd | nd | 69 | nd | 2,600 |
| Heavy oil | 50 | nd | nd | nd | nd | nd |

Surrogate recoveries:

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Fluorobiphenyl | 85% | 79% | 82% | 81% | C |
| o-Terphenyl | 95% | 87% | 91% | 89% | 93% |

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits

na - not analyzed

C - coelution with sample peaks

M - matrix interference

J - estimated value

Results reported on dry-weight basis

Acceptable Recovery limits: 65% TO 135%

Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S21112-1
Client: HART CROWSER
Client Job Name: WESTERN STEEL CASTIN
Client Job Number: NA

| Analytical Results | | | | | | DUPL |
|-----------------------|-----------|----------|----------|----------|----------|----------|
| NWTPH-Dx, mg/kg | | SP1-1 | SP1-2 | SP2-1 | SP3-1 | SP3-1 |
| Matrix | Soil | Soil | Soil | Soil | Soil | Soil |
| Date extracted | Reporting | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 |
| Date analyzed | Limits | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 | 11/12/02 |
| Kerosene/Jet fuel | 20 | nd | nd | nd | nd | nd |
| Diesel/Fuel oil | 20 | nd | nd | 220 | 230 | 220 |
| Heavy oil | 50 | nd | nd | nd | nd | nd |
| Surrogate recoveries: | | | | | | |
| Fluorobiphenyl | | 81% | 83% | 86% | 93% | 91% |
| o-Terphenyl | | 90% | 91% | 92% | 95% | 92% |

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits

na - not analyzed

C - coelution with sample peaks

M - matrix interference

J - estimated value

Results reported on dry-weight basis

Acceptable Recovery limits: 65% TO 135%

Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S21112-1
Client: HART CROWSER
Client Job Name: WESTERN STEEL CASTIN
Client Job Number: NA

| Analytical Results | | RPD |
|--------------------|-----------|----------|
| NWTPH-Dx, mg/kg | | SP3-1 |
| Matrix | Soil | Soil |
| Date extracted | Reporting | 11/12/02 |
| Date analyzed | Limits | 11/12/02 |
| Kerosene/Jet fuel | 20 | |
| Diesel/Fuel oil | 20 | 4% |
| Heavy oil | 50 | |

Surrogate recoveries:

Fluorobiphenyl
o-Terphenyl

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits

na - not analyzed

C - coelution with sample peaks

M - matrix interference

J - estimated value

Results reported on dry-weight basis

Acceptable Recovery limits: 65% TO 135%

Acceptable RPD limit: 35%

Sample Custody Record

Samples Shipped to: ESN

S2112-1



Hart Crowder, Inc.
1910 Fairview Avenue East
Seattle, Washington 98102-3699
Phone: 206-324-9530 FAX: 206-328-5581

| | | | | | | | | | | | | | | | | | | | | |
|--|------------------|--|------------------|--|-------------------------|---|--|--|--|-------------------|--|--|------------------|--|--|--|--|--|--|--|
| JOB _____ LAB NUMBER _____ | | REQUESTED ANALYSIS <div style="text-align:center;">TPH-Dx</div> | | | | | | | | NO. OF CONTAINERS | OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS | | | | | | | | | |
| PROJECT NAME <u>Winton Steel Casting</u> | | | | | | | | | | | | | | | | | | | | |
| HART CROWSER CONTACT <u>R Roberts</u> | | | | | | | | | | | | | | | | | | | | |
| SAMPLED BY: <u>[Signature]</u> | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| LAB NO. | SAMPLE ID | DESCRIPTION | DATE | TIME | MATRIX | | | | | | | | | | | | | | | |
| | SP-1-1 | Soil H ₂ Oz | 11/12/02 | 1007 | Seal | X | | | | | | | | | | | | | | |
| | SP-1-2 | | | 1021 | | | | | | | | | | | | | | | | |
| | SP-2-1 | | | 1025 | | | | | | | | | | | | | | | | |
| | SP-3-1 | | | 1029 | | | | | | | | | | | | | | | | |
| | USTJ-W | | | 1038 | | | | | | | | | | | | | | | | |
| | USTJ-F | | | 1045 | | | | | | | | | | | | | | | | |
| | USTJ-B | | | 1049 | | | | | | | | | | | | | | | | |
| | USTJ-SD | | | 1221 | | X | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | DATE | RECEIVED BY | DATE | SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS: | | | | | | | | TOTAL NUMBER OF CONTAINERS | | | | | | | | |
| [Signature] SIGNATURE | 11/12/02 TIME | [Signature] SIGNATURE | 11/12/02 TIME | | | | | | | | | SAMPLE RECEIPT INFORMATION: CUSTODY SEALS: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A GOOD CONDITION: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO TEMPERATURE _____ SHIPMENT METHOD: <input type="checkbox"/> HAND <input checked="" type="checkbox"/> COURIER <input type="checkbox"/> OVERNIGHT | | | | | | | | |
| PRINT NAME | | PRINT NAME | | | | | | | | | | | | | | | | | | |
| COMPANY | 1300 | COMPANY | 1340 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | DATE | RECEIVED BY | DATE | Cooler No.: _____ | Storage Location: _____ | | | | | | | | TURNAROUND TIME: | | | | | | | |
| SIGNATURE | TIME | SIGNATURE | TIME | | | | | | | | | <input checked="" type="checkbox"/> 24 HOURS <input type="checkbox"/> 1 WEEK | | | | | | | | |
| PRINT NAME | | PRINT NAME | | | | | | | | | | <input type="checkbox"/> 48 HOURS <input type="checkbox"/> STANDARD | | | | | | | | |
| COMPANY | | COMPANY | | | | | | | | | | <input type="checkbox"/> 72 HOURS OTHER _____ | | | | | | | | |

White and Yellow Copies to Lab

Pink to Project Manager

Lab to Return White Copy to Hart Crowser

Gold to Sample Custodian

APPENDIX B

DISPOSAL AND CLOSURE DOCUMENTS



GLOBAL
ENVIRONMENTAL

A Division of Global Diving & Salvage, Incorporated

W04#5865
WESTERN STEEL
TANK 2
BLDG. 6

UNDERGROUND STORAGE TANK DISPOSAL CERTIFICATE

THIS CERTIFICATE IS PROVIDED TO DOCUMENT LEGAL AND APPROPRIATE DISPOSAL OF 1 EA. 30,000 GALLON UNDERGROUND STORAGE TANK (S) AND ITS ASSOCIATED LIQUID, AND CLEANING RINSATE. *per Greg Fladseth 12/16/12*

TANK (S) WAS AT THE WESTERN STEEL CASTINGS PLANT
LOCATED AT 145 SOUTH HORTON ST., SEATTLE, WA.

☒ THE TANK WAS TRANSPORTED OFF SITE, CUT OPEN, CLEANED AND DECOMMISSIONED AS SCRAP METAL AT SEATTLE IRON AND METALS CORP. OR OTHER FACILITY PERMITTED TO RECEIVE SCRAP METAL

OR

☐ THE TANK WAS DECOMMISSIONED IN PLACE WITH

- ☐ CONTROLLED DENSITY FILL CONCRETE
- ☐ STRUCTURAL FOAM
- ☐ OTHER _____

THE RESIDUAL MATERIAL THAT REMAINED IN THE TANK WAS REMOVED ALONG WITH ANY CLEANING RINSATE AND CONSOLIDATED WITH OTHER RECYCLABLE OIL PRODUCTS FOR DISPOSAL AT BASIN OIL OR OTHER FACILITY PERMITTED TO TREAT, STORE AND/OR DISPOSE OF PETROLEUM PRODUCTS.

IF YOU HAVE ANY QUESTIONS OR CONCERNS PLEASE CALL ME AT (206) 623-0621

THANK YOU

GLOBAL ENVIRONMENTAL

GREG FLADSETH

OPERATIONS MANAGER

APPROVED 11-7-02

1FCI/ICBO LIC. NO.
1037931-26



THE CITY OF SEATTLE
FIRE DEPARTMENT
Fire Marshal's Office
220 Third Ave South
Seattle, WA 98104-2608
(206) 386-1450

RECEIPT

5-52036

**THIS IS NOT A BILL
PLEASE DO NOT PAY**

When properly made out and signed this becomes a receipt for the amount and purposes as specified herein

PAYOR: GLOBAL ENVIRONMENTAL
ADDRESS: 3840 W MARGINAL WY SW
ATTN: SEATTLE, WA 98106

5865

DATE: 11/08/2002
AMOUNT: \$98.00
JOB SITE: 145 S HORTON ST
PAYMENT FOR: APPLICATION FEE
CHECK #: 29382
INVOICE #:
PERMIT CODE(S): 7908
REMARK:

Chief of the Fire Department

By T. Ngo

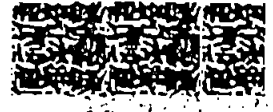
**NOTE: PLEASE RETAIN THIS RECEIPT AND POST IT IN A VISIBLE LOCATION ON SITE UNTIL AN
ACTUAL FIRE DEPARTMENT PERMIT HAS BEEN ISSUED.**



| | | |
|---------|-------------|---------|
| REMARKS | NO. OF TONS | POLYMER |
|---------|-------------|---------|

WARNING: Transporting flammable gases and/or hazardous materials in or enclosed van, automobile or automobile truck is very dangerous because it can cause a fire or explosion resulting in persons injury or death. Read cylinder label warnings, material safety data sheet and or safe practices booklet 1-3435

PRAXAIR TICKET



Field No. PRAXAIR DISTRIBUTION INC
505 S LAMAR ST
SEATTLE WA 98134
1800 807 6442

Ship to: Seattle, WA 98101 2nd Floor
1800 807 6442

Phone: 1-800-807-6442
1800-807-6442

Order #
Order #
Order Date
Page

| ITEM | DESCRIPTION | QTY | UNIT | PRICE | TOTAL | DATE | SHIP TO | SHIP FROM | SHIP TO | SHIP FROM | SHIP TO | SHIP FROM |
|------|--|-----|------|-------|-------|---------|---------|-----------|---------|-----------|---------|-----------|
| 1 | 20 LB CARBON DIOXIDE SOLID, 2, (CUSTOMER ORDER) (USE DRY ICE TUBS) | 145 | 20 | 20 | | | | | | | | |
| 2 | HAZARDOUS MATERIAL DANGER | 2 | 1/2 | 145 | 1 | 0.12222 | 10 | | | | | |

Geoffrey
3865

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PRAXAIR DISTRIBUTION INC
1800 807 6442

Authorized Signatures

Received by

DATE SHIPPED: 1/1/82

PLACARDS OFFERED:

☐ ACCEPTED
☐ REJECTED

CUSTOMER'S COPY

CONTINUOUS SHIPMENT

Your
Seattle
Fire Department

Tues. 11/12

10:00 a.m.

RECEIVED

NOV 08 2002

WU# 5865



PERMIT SECTION
APPLICATION FOR TEMPORARY PERMIT

Permit Code No.: 7908 Title: FLAMMABLE/COMBUSTIBLE LIQUID COMMERCIAL TANK DECOMMISSIONING

Fee: \$98.00 (No Renewal) Code Reference: SFC 7901.3
Date Received: 11-8-02 Date Issued: 11-12-02 Expires: 11-12-02

Firm Name: GLOBAL (ENVIRO-DIVISION) Phone: 206-623-0621

Firm Address: 3840 W. MARGINAL WAY SEATTLE WA Zip: 98106

Job Site: WESTERN STEEL CASTINGS - 145 SO. HORTON ST. SEATTLE

Person In Charge: CHRIS STOKES Phone: 623-0621

Number of Tank(s): 1 Tank Size(s): 1000

Product(s) Previously Contained: DIESEL / HEATING OIL Hot Work: ☐ Yes ☒ No

☒ Removal ☐ Abandonment-in-Place

REMITTANCE FOR PERMIT FEE AS SHOWN ABOVE MUST BE RETURNED WITH THIS APPLICATION TO:

SEATTLE FIRE DEPARTMENT HEADQUARTERS
HAZARDOUS MATERIAL PERMITS
301 Second Avenue South
Seattle, WA 98104-2618

Make Checks Payable To: CITY OF SEATTLE

PERMIT CONDITIONS:

1. TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.
2. Two (2) portable fire extinguishers with a minimum rating of 40 BC shall be on site within 50 feet of the operation.
3. Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.
4. "No Smoking" signs must be posted in readily visible locations.
5. No hot work is allowed on a tank unless the tank is certified "safe for hot work" by a marine chemist. A separate Fire Department permit (Code 4913) is required for cutting and welding operations.

PROCEDURES:

- Call 233-7106, a minimum of 24 hours prior to removal or abandonment to arrange for an inspection appointment. Appointments must be confirmed by an inspector.
- Permits may cover multiple tanks located at the same address. If additional tanks are to be removed or abandoned at later dates, separate permits shall be obtained. Each address location requires a separate permit application regardless of whether multiple address locations are physically next to one another.
- Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are Monday through Friday, 7:30 a.m. to 4:30 p.m.)

FMO USE:

Receipt No.: 5-52036

Check No.: 29382

APPROVED BY:

Inspector: J. A. Miller

Date: 11-12-02

Rq File ID# 44979

Unit # 5865
TANK 2

BILL OF LADING
PRODUCT TRANSPORT MANIFEST
MARINE VACUUM SERVICE INC.
24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240
TRUCK NUMBER 121 DATE 11.7.02

TO
DESTINATION

NAME Mar. Vac

STREET 1510 So Graham St

CITY / STATE Seattle, WA

FROM
SHIPPER

NAME Global

STREET 145 So Horton St

CITY / STATE Seattle, WA

| QUANTITY | PROPER SHIPPING NAME | UN (PLACARD) NUMBER |
|----------|----------------------|---------------------|
| 150 gal | Waste Oil | 2014 |
| | | |
| | | |
| | SLUDGE | |

SHIPPER

DATE

DRIVER

DATE

NOTE:

5865

PG 1 - M.V.S.

PG 2 - DESTINATION

PG 3 - SHIPPER

Sales Tax

Total Invoice Amount

142.50

SUMMARY OF CONTAMINATED SOIL
FROM ARRF

| GLOBAL ENVIRONMENTAL | | | | AS OF 11/15/02 | |
|----------------------|------------|--------|---------|----------------|------------|
| Profile# | | 545334 | | TYPE BR | |
| # | Date | Truck# | Ticket# | Net Tons | MANIFEST # |
| 1 | 11/13/2002 | 123 | 1754 ✓ | 26.95 ✓ | |
| 2 | 11/13/2002 | 123 | 1755 ✓ | 29.76 ✓ | |
| 3 | 11/13/2002 | 123 | 1757 ✓ | 31.78 ✓ | |
| 4 | 11/13/2002 | 123 | 1758 ✓ | 32.79 ✓ | |
| 5 | 11/13/2002 | 123 | 1760 ✓ | 28.47 ✓ | |
| 6 | 11/13/2002 | MO1 | 1762 ✓ | 26.33 ✓ | |
| 7 | 11/13/2002 | 123 | 1763 ✓ | 29.39 ✓ | |
| 8 | 11/13/2002 | MO1 | 1765 ✓ | 24.05 ✓ | |
| 9 | 11/13/2002 | 123 | 1766 ✓ | 31.05 ✓ | |
| 10 | 11/13/2002 | MO1 | 1768 ✓ | 28.23 ✓ | |
| 11 | 11/13/2002 | 123 | 1769 ✓ | 26.86 ✓ | |
| 12 | 11/13/2002 | MO1 | 1770 ✓ | 28.83 ✓ | |
| 13 | 11/15/2002 | 123 | 1820 ✓ | 19.58 | |
| <u>TOTAL</u> | | | | 364.07 | |

11/12/02 Stockpile for VSG-2 included
with 11/13/02 VSG-1 soils