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Logical Solutions for Complex Problems

UST # 619579 (3/23/09)

ERIS# 610645; F/S ~~2672~~ 49166566

UST Closure and Site Assessment
Trident Seafoods Anacortes Facility
1400 Fourth Street
Anacortes, WA

Prepared for: Mr. Earl Hubbard
Trident Seafoods Corporation
5303 Shilshole Avenue NW
Seattle, WA 98107-4000

Prepared by: G-Logics, Inc.
40 2nd Avenue SE
Issaquah, WA 98027

Telephone: (425) 391-6874
Facsimile: (425) 313-3074

March 13, 2009

G-Logics Project 01-0478-C

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Logical Solutions for Complex Problems

Transmittal

01-0478-C

To:	Mr. Earl Hubbard	**From:**	Renee Simmons
Co.:	Trident Seafoods Corporation	**Date:**	March 16, 2009
Address:	5303 Shilshole Avenue NW, Seattle, WA 98107-4000		
Re:	UST Site Assessment, Anacortes Facility, Anacortes WA		

☐ **Messenger** ☒ **Mail** ☐ **United Parcel** ☐ **Federal Express**

Dear Mr. Hubbard,

Attached, please find a copy of our attached UST Closure and Site Assessment for Trident Seafoods Anacortes Facility, Anacortes WA. Additional copies have been sent to Jeff Johnson, Kurt Esveldt, and John Bails with the Washington Department of Ecology,

Please feel free to call if you have any questions or if we can be of additional assistance.

Regards,

Renee Simmons

cc: Jeff Johnson
Kurt Esveldt
John Bails

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Logical Solutions for Complex Problems

March 13, 2009
G-Logics Project 01-0478-C

Mr. Earl Hubbard
Trident Seafoods Corporation
5303 Shilshole Avenue NW
Seattle, WA 98107-4000

Subject: UST Closure and Site Assessment
Trident Seafoods Anacortes Facility
1400 Fourth Street, Anacortes, WA

Dear Mr. Hubbard:

Enclosed is our report describing the closure of one 350-gallon gasoline underground storage tank (UST) located on the subject property. Activities included removal and recycling of the UST and completion of a UST site assessment. This work was completed in accordance with the Washington State UST Regulations and the City of Anacortes Municipal Code. A UST Closure Checklist and Site Assessment Checklist have been completed and are included as attachments to this report. Upon your authorization, G-Logics will forward a copy of this report to Ecology's Northwest Regional Office.

We trust the information presented in this report meets your needs at this time. Should you require additional information or have any questions regarding this report, please contact us at your convenience. Thank you again for this opportunity to be of service.

Sincerely,

G-Logics, Inc.

Robert P. Harrison, P.E.
ICC-Certified Washington UST Site Assessor

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01-0478-C-RT.doc

TABLE OF CONTENTS

1.0 INTRODUCTION

Presented in this report are the results of an Underground Storage Tank (UST) Closure and Site Assessment performed at the Trident Seafoods Anacortes Facility located at 1400 Fourth Street in Anacortes, WA (Figure 1), on January 20, 2009. The work consisted of removing a single, previously-abandoned UST located just east of the Cold Storage Building. The tank was discovered during unrelated work to repair a buried water pipe located very near the UST. Review of Ecology and Trident Seafoods records showed no knowledge of the tank. As such, it is very likely that the tank was abandoned prior to Trident Seafood's occupancy of the property in 1988.

Records did show that, in 1989, Trident Seafoods conducted a remedial action at the property, removing and disposing offsite 2,344 tons of petroleum-contaminated soils from the area located south and west of the current UST location. Due to site constraints, some impacted soils were left in place. This Site is listed by Ecology as the "5th Street and L Avenue Site", Ecology ID 2672. These soils were reportedly impacted by releases of petroleum from three former aboveground-storage tanks and two USTs (one gasoline and one diesel) that comprised a "small Union Oil terminal" at this location. Those tanks reportedly were removed in 1975.

Following the remedial action in 1989, Ecology performed a Site Hazard Assessment that resulted in a recommendation for "No Further Action". This was based on the fact that the site was entirely paved or covered with buildings and groundwater was the sole exposure pathway. The groundwater pathway was found to "not likely to contribute to any human health risk or environmental risk because:

- The shallow groundwater at the site is not used.
- Only one private well, almost a mile away, is located within a two-mile radius.
- The majority of contaminated soils and sediments have been removed and backfilled with clean soils.
- Only a small quantity of residual contaminated subsurface soils may remain onsite.
- An asphalt cap covers one area of previously contaminated soils and a building covers the second area of previously contaminated soils.

Subsequently, Ecology issued Trident Seafoods a "No Further Action" letter on August 8, 1995. The Site Hazard Assessment Recommendation and No Further Action Letters are included in Appendix A of this report.

2.0 PURPOSE AND SCOPE

The purpose of the project included the following:

- Provide the 30-day notification of a UST closure to the Department of Ecology.
- Notify the UST Section of the Northwest Region of Ecology to obtain a waiver from the 30-day waiting period prior to removing the UST.
- Obtain a UST Removal Permit from the City of Anacortes Fire Marshall.
- Clean and remove a 350-gallon gasoline UST from the subject property in accordance with local, state, and federal regulations/guidelines.
- Evaluate the potential presence of petroleum hydrocarbon-affected soils and remove them to the extent possible.
- Perform a UST Site Assessment as outlined in the Ecology's guidance document (Ecology, 1992).
- Complete and provide a UST Closure Checklist, a UST Site Assessment Checklist, and a Site Assessment Report to document the closure activities in accordance with the UST Regulations.

The UST Closure and Site Assessment have been conducted in accordance with Washington UST regulations (Chapter 173-360 WAC), the American Petroleum Institute's recommended practices RP1604 and RP2015, and Ecology's guidance document, "*Guidance for Site Checks and Site Assessments for Underground Storage Tank*" (Ecology, 1992). To assist in this project, G-Logics provided the following services:

- Sub-contracted with Spooner Contracting LLC., a tank-removal contractor holding a current ICC certification in UST Decommissioning, to perform the UST cleaning and removal.
- Provided a marine chemist to inert the atmosphere of the UST and verify that it was safe for removal.
- Provided an engineer holding a current ICC certification in Washington Site Assessments to conduct a Site Assessment at the time of closure.
- Observed the removal of the UST.

- Observed the conditions of the UST, any associated plumbing and appurtenances, and soils exposed in the walls and floor of the excavations.
- Collected four post-excavation soil samples from the UST excavation for chemical analysis.
- Submitted post-excavation soil samples for analysis for total petroleum hydrocarbons (TPH) as diesel and heavier (by method NWTPH-Dx), gasoline-range organics (by method NWTPH-G), Benzene, Toluene, Ethylbenzene and Xylenes (by EPA Method 8021b), and total Lead (by EPA method 7010/7471).
- The sample exhibiting the highest TPH-G quantity was also analyzed for other gasoline components/additives MTBE, EDC, EDB, and naphthalenes (by EPA method 8260b/8035).
- All analyses were performed at Advanced Analytical Laboratories, a Washington-accredited laboratory, located in Redmond, Washington.
- Prepared this UST Site Assessment report summarizing the field activities, analytical results, and recommendations regarding the UST closure.
- Submitted the appropriate documentation to the Ecology UST Program and the City of Anacortes.

3.0 DISCOVERY AND PRE-CLOSURE ACTIVITIES

In early January 2009, a work crew was performing work on an existing fire-protection water pipe when the subject UST was unexpectedly discovered. The tank was reported to have contained "oily water". Trident Seafoods contracted with Emerald Services, who then pumped and triple-rinsed the tank. The contents and rinsates were treated/disposed at Emerald Services' facility. Shortly thereafter, G-Logics was contacted to assist in the removal of the tank.

G-Logics prepared a 30-day UST Notification and submitted it to the Ecology Headquarters. However, because the presence of the UST was unexpected and was obstructing necessary work for the fire-protection water pipe, Trident wished to remove the tank as soon as possible. As such, G-Logics contacted Mr. Arthur Buchan, an Ecology UST Inspector for the Northwest Regional Office, to obtain a waiver from the 30-day waiting period. Mr. Buchan issued the waiver shortly thereafter.

In addition to Ecology requirements, the City of Anacortes Municipal Code requires a proponent to apply for a tank removal permit and obtain authorization prior to removing a UST. Accordingly, G-Logics prepared and submitted a permit package to the Anacortes Fire Marshall, Mr. Dan Harju. Mr. Harju shortly thereafter approved the permit.

Copies of the 30-day Notification, the 30-Day Waiver, and the City of Anacortes permit are included in Appendix B.

4.0 FIELD PROCEDURES

Mr. Bill Spooner, of Spooner Contracting LLC, performed the UST removal. Mr. Spooner holds current certification from the ICC as a UST Decommissioning Supervisor, as required by the UST Regulations, WAC 173-360-620. A G-Logics engineer, Mr. Rob Harrison, P.E., was present during the UST removal and performed the post-excavation soil sampling. Mr. Harrison holds current certification from the ICC as a Washington State UST Site Assessor as required by WAC 173-360-620.

The following summarizes the activities performed by G-Logics and Spooner Contracting in performing the UST removal and site assessment at the subject property. Photographs taken at various stages of the work are presented in the photograph log in Appendix C.

4.1 UST Removal

On January 20, 2009, a 350-gallon gasoline UST was removed from the ground at the subject property. The location of the former UST is shown on Figures 1 and 2. The following summarizes the removal activities.

Upon arriving at the site, the tank was found to be mostly exposed, with the asphalt pavement having been removed and overburden soils stockpiled adjacent the tank and covered with plastic sheeting. Spooner Contracting removed the remaining overburden to fully uncover the tank. Mr. Craig Trettevik, a certified-marine chemist with Sound Testing, Inc. measured the atmosphere of the excavation and the interior of the tank for explosive vapors. Finding no explosive vapors, Mr. Trettevik subsequently certified that the tank was inert and was therefore safe for removal and cutting.

Mr. Spooner cleared the remaining overburden soils, placed them on the stockpile adjacent the excavation, cut an inspection hole in the top of the tank, and removed the tank using a small hydraulic excavator. The tank was set onto plastic and then onto the adjacent soil pile and blocked to prevent movement.

4.2 UST Excavation Observations and Sampling

Prior to removal, the top of the UST was measured to be 28 inches below grade. Asphalt concrete pavement, 8 inches thick, overlies the entire area surrounding the UST location, with a building (cold storage) located 20 feet to the west. The topography in the near vicinity is mostly flat, with a slight slope to the south for drainage. Approximately six inches below the asphalt pavement, a second layer of asphalt is present. This lower pavement was measured to be four inches thick. The two pavements are separated by a sandy gravel fill. No piping, hold-down devices, or other UST appurtenances were discovered within the excavation. Several buried utilities are located in close proximity to the tank (described in further detail in Section 4.3 below).

The soils surrounding the tank were silty, gravelly sands to the bottom of the excavation at a depth of approximately six feet. The color of the soil was brown to grey-brown to a depth of four feet. Below this, the soils were dark gray in color and the silt content increased with depth.

Using the excavator bucket, soils were extracted from the sidewalls and bottom of the excavation and observed by the site assessor for signs that the soils contained petroleum hydrocarbons. However, soils along the north sidewall were not disturbed as they were supporting a 4-inch diameter fire-protection water pipe. "Gasoline" odors were noted in the gray soils collected from the bottom and south and east sidewalls while the gray soils from the west sidewall exhibited a "fuel-oil" odor. The brown to brown-gray soils exhibited no odors or other signs of having contained petroleum hydrocarbons.

Soil samples were collected from the gray soils present at the south, east, and west sidewalls and another from the bottom of the excavation, towards the west end of the former tank. The samples were submitted to Advanced Analytical's laboratory in Redmond, WA for analytical testing as described in Section 5.0 of this report. The sample locations are shown on Figure 2. The sample locations, depths, and analytical testing results are summarized on Table 1. Sampling procedures are further described in Appendix D.

4.3 Soil Excavation

At the beginning of this project, it was Trident's and G-Logics' intent to remove potentially-contaminated soils to the extent possible at the time of tank removal. However, the tank location is immediately adjacent several utilities: a 4-inch diameter fire-protection water pipe runs along the north side of the excavation, and water meter vaults, a backflow preventer vault, a second vault and the associated water pipes are located adjacent the south of the excavation. Excavation likely would have caused damage to these utilities. Therefore, no additional excavation (beyond that necessary to remove the tank) was performed. The extent of the excavation and location of the nearby utilities are shown on Figure 2.

4.4 UST Observations and Processing

Following removal, the UST was laid upon plastic sheeting and atop the stockpiled overburden soils adjacent the excavation. The tank was brushed/broomed to remove exterior soil to allow the assessor to observe the condition of the tank.

The single-walled, steel tank measured 38 inches in diameter and six feet long, equating to approximately 350 gallons in volume. The upper surface of the tank was found to contain corrosion pitting and holes. The sides, ends, and bottom of the tank were in generally fair condition and free from pitting or holes. Two plugged bung fittings were present on the bottom of the tank (at each end) and three bung fittings were present on the top of the tank.

The tank was cut into manageable pieces and temporarily placed in a designated scrap-metal bin located on site. Periodically, when it becomes full, the scrap-metal bin is taken to a steel recycling facility. Receipts for the scrap metal recycling are kept on file at the Trident Seafoods offices.

4.5 Excavation Backfill

Following the removal and site assessment work, the tank excavation was backfilled first with the overburden soils and then with imported pit-run material. The backfill was compacted in lifts and then paved with asphalt concrete to match the surrounding pavement.

5.0 ANALYTICAL TESTING

The following section summarizes the analytical testing performed on the soil samples collected as part of the site assessment activities for the subject UST site.

5.1 Analytical Results

Petroleum hydrocarbons were detected in each of the four soil samples. Gasoline and benzene are the prominent contaminants, with each sample having reported concentrations above the Model Toxics Control Act (MTCA, WAC 173-340) Method A Cleanup Level for soil of 30 mg/kg for gasoline mixtures where benzene is present and 0.03 mg/Kg for benzene. In addition, toluene, ethylbenzene, total xylenes, and lead were detected at concentrations in excess of their respective MTCA Method A Cleanup Levels in one or more of the samples. To a lesser extent, kerosene, heavy oil, and naphthalene were also detected in one or more samples, but at concentrations below their respective MTCA Cleanup Levels.

The analytical results are summarized in Table 1. The laboratory analytical data report and chain of custody are presented in Appendix E.

5.2 Analytical Results Data Quality Review

G-Logics reviewed laboratory results for the samples for quality assurance/quality control (QA/QC) purposes. The reviewed data included the following parameters:

- Holding Times
- Method Blanks
- Surrogate Recoveries
- Duplicate Recoveries
- Blank Spike Recoveries
- Matrix Spike and Matrix Spike Duplicate Recoveries (MS/MSDs) and Relative Percent Differences (RPDs)
- Detection Limits
- Chain of Custody

The laboratory's established control limits for these parameters were met (as well as EPA's SW-846 analytical-method control limits where applicable). The samples were received by the laboratory under proper custody procedures with the samples at appropriate temperatures. Based on this review, the analytical results are considered to be acceptable for their intended use.

6.0 CONCLUSIONS AND OPINIONS

The previously-abandoned, 350-gallon former gasoline UST was removed in accordance with local and state/federal regulations and guidelines. Corrosion holes were found in the UST shell and soil sample results indicate petroleum and other gasoline-related contaminants are present in soils at concentrations exceeding the MTCA Method A Cleanup Levels. As such, a release of gasoline from this UST apparently occurred. The low levels of heavy oil and kerosene detected in the soil samples are likely associated with the historic releases from the 5th Street and L Avenue Site and not from this particular UST.

While water was encountered in the bottom of the excavation at the time of removal, it is unknown if it was groundwater. Historical cleanup documents for the nearby 5th Street and L Avenue Site identified shallow and brackish groundwater at an approximate depth of 5 feet.

Accordingly, G-Logics provided notification to the Department of Ecology on January 21, 2009 that a release from the abandoned UST may have occurred. This notification complies with the notification requirements as per the UST Regulations, specifically, WAC 173-360-372 and 173-360-630. Mr. John Bails, Ecology UST Inspector, Northwest Regional Office, has been assigned as the case manager for this site.

Based on these findings, this UST closure has been completed in conformance with Ecology requirements. The completed Ecology UST Site Check/Site Assessment and UST Closure Checklists have been completed and are presented in Appendix F.

Some petroleum-impacted soils remain but are capped beneath three feet of soil and eight-inch thick asphalt pavement. The excavated area also will be backfilled and will be capped with pavement materials. The shallow, brackish groundwater is not utilized. As such, and in keeping with the previous No Further Action determination for the adjacent 5th Street and L

Avenue Site, the residual petroleum hydrocarbons do not pose a threat to human health or the environment.

7.0 LIMITATIONS

The conclusions presented in this report are our professional opinions based solely upon our visual observations and field screening during the UST removal, and the analysis of the soil samples collected from the excavation. The results and conclusions are intended exclusively for the purpose outlined herein and for the site location and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our assessment and do not necessarily apply to future changes or other prior conditions at the site of which G-Logics, Inc. is not aware and has not had the opportunity to evaluate. Our scope of work was limited to those items specifically identified in this report. Other activities not specifically included in the presented scope of work in our workplan 01-0478-C, are excluded and are therefore not part of our services.

G-Logics offer a range of environmental exploration services to suit the needs of our clients, including more quantitative explorations. Although risk can never be eliminated, more detailed and extensive explorations yield more information, which may help to better understand and manage site risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service that will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

This report is prepared for the sole use of our client and regulatory agencies. The scope of services performed during this work may not be appropriate for the needs of other users, and re-use of this document or the findings, conclusions, or recommendations presented herein is at sole risk of said user(s). Any party other than our client who would like to use this report shall notify G-Logics of such intended use by executing the "Permission and Conditions for Use and Copying" contained in this document. Based on the intended use of the report, G-Logics may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements will release G-Logics from any liability resulting from the use of this report by any unauthorized party.

No warranty, either express or implied, is made.

8.0 REFERENCES

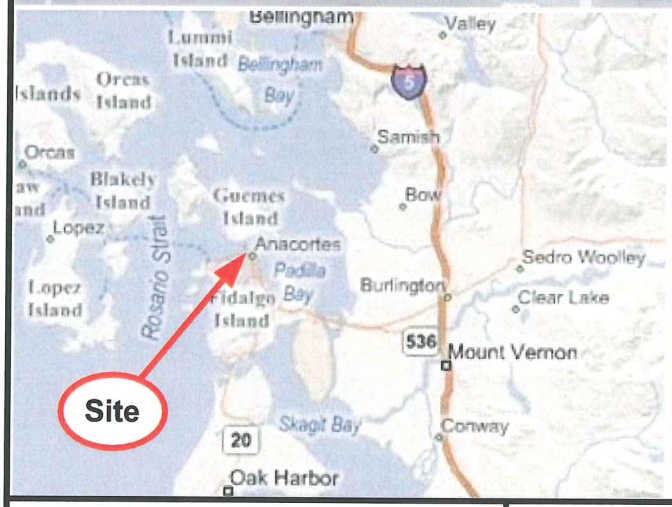
Washington State Department of Ecology Toxics Cleanup Program, December 1993, The Model Toxics Control Act Cleanup Regulation, Chapter 174-340 WAC, Publication No. 94-06. Amended November 2007.

Washington State Department of Ecology Toxics Cleanup Program, April 1994, Guidance for Remediation of Petroleum Contaminated Soils, Publication 91-30.

Washington State Department of Ecology Underground Storage Tank Program, February 1991 (Revised October 1992), Guidance for Site Checks and Site Assessment for Underground Storage Tanks, Publication 90-52.

Washington State Department of Ecology, October 1991, Underground Storage Tank Regulations Chapter 173-360 WAC (Revised 1998).

Kleinfelder Inc., July 8, 1999, Update of a Phase I Environmental Site Assessment, Trident Seafoods Facility, Anacortes, WA.



Mapping Reference: Delorme and Google Maps

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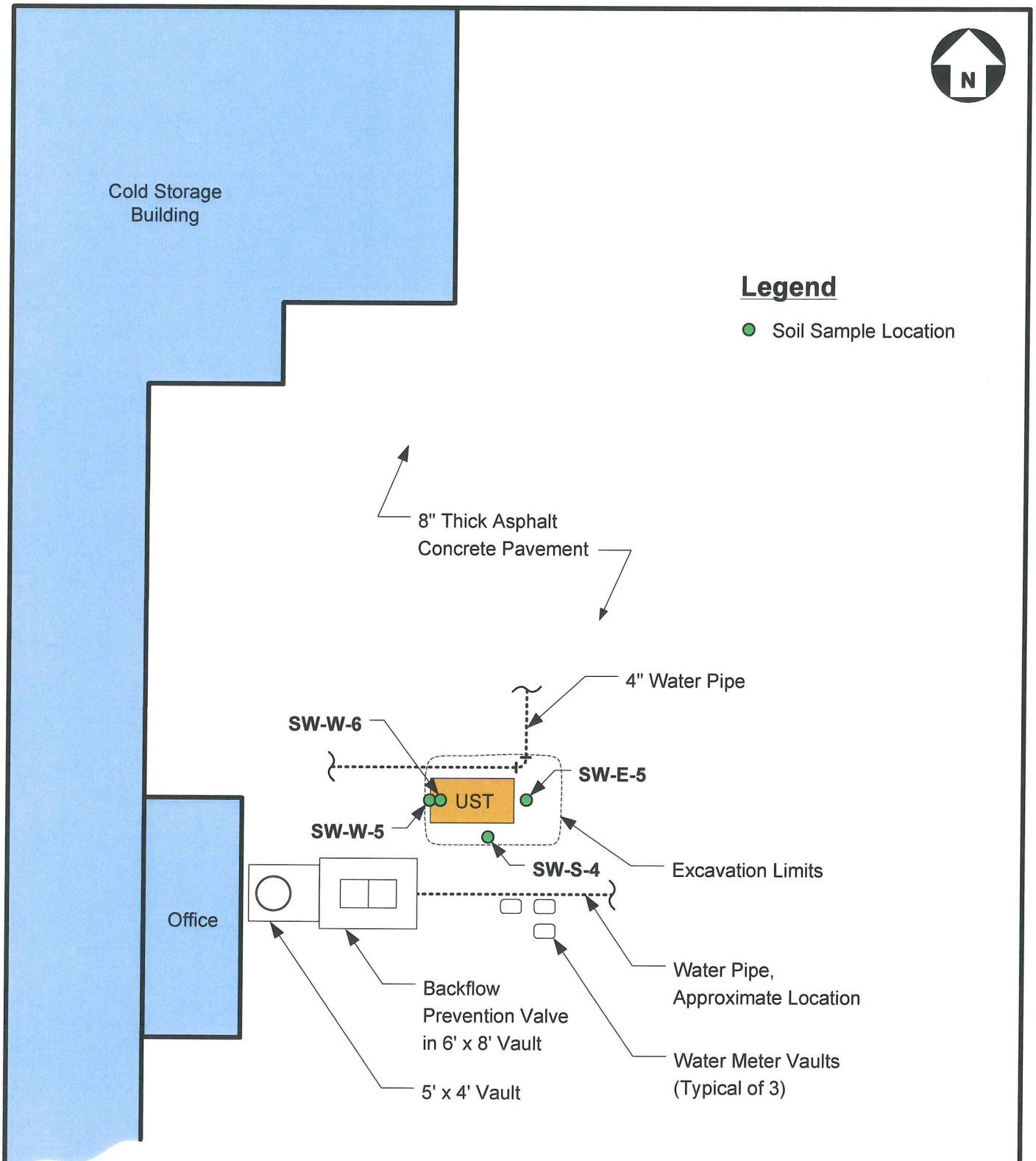
Project File: 01-0478-C-F1.vsd

Site Location Maps
Trident Anacortes Facility
1400 4th Street
Anacortes, Washington

Figure
1



Mapping Reference: G-Logics' Site Visit Measurements, Klontz & Associates, Refrigeration Equipment Revision, Trident Seafoods Corp., 11/2/93

Approximate Drawing Scale: 1" = 10'

0 ft. 6 ft. 10 ft. 20 ft.

Project File: 01-0478-C-F2.vsd

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Site Diagram
Trident Anacortes Facility
1400 4th Street
Anacortes, Washington

Figure 2

TABLE 1

Soil Sample Analyses, Petroleum Hydrocarbons, Additives, and Lead (in mg/Kg)

Samples Collected on January 20, 2009

Trident Seafoods, Anacortes, WA

Sample ID	SW-S-4	SW-W-5	SW-W-6	SW-E-5		
Sample Depth	4'	5'	6'	5'	Method A	Detection
Location	Sidewall	Sidewall	Bottom	Sidewall	Cleanup Level (1)	Limit
Gasoline-Range Hydrocarbons and BTEX by Method NWTPH-Gx/BTEX						
Gasoline Range	**20,000**	**680**	**630**	**1,900**	100(a)/30(b)	5
Benzene	**100**	**0.63**	**1.60**	**4.20**	0.03	0.02
Toluene	**440**	**1.00**	**0.56**	**17.0**	7.00	0.05
Ethylbenzene	**300**	**3.90**	**2.50**	**31.0**	6.00	0.05
Total Xylenes	**1,300**	**4.50**	**2.90**	**150**	9.00	0.05
Diesel and Heavier-Range Hydrocarbons by Method NWTPH-Dx						
Kerosene/Jet Fuel	**1,500**	**990**	**630**	**280**	2,000	20
Diesel/Fuel Oil	nd	nd	nd	nd	2,000	20
Heavy Oil	**1,200**	**1,100**	**970**	**580**	2,000	50
Gasoline Additives by EPA Method 8260B/5035						
Methyl Tertiary-Butyl Ether (MTBE)	nd	---	---	---	0.1	0.05
1,2 Dichloroethane (EDC)	nd	---	---	---	11(c)	0.05
1,2-Dibromoethane (EDB)	nd	---	---	---	0.005	0.005
Naphthalene	**3.80**	---	---	---	5	0.05
Metals by EPA Method 7010/7471						
Lead	**13**	**120**	**340**	**610**	250(d)	1.0

Notes:

Refer to site diagram(s) for sampling locations.

(1) Method A Soil Cleanup Levels (mg/kg) for Unrestricted Land Use, MTCA, Amendments adopted in October 12, 2007.

(a) Soil Cleanup Level for gasoline with no detectable benzene and total of BTEX < 1% of gasoline mixture

(b) Soil Cleanup Level for other gasoline mixtures

(c) Method B Cleanup Level for soil, carcinogen, direct contact (ingestion only), unrestricted land use

(d) Soil Cleanup Level for lead at residential properties

--- Not Analyzed

nd Analyte not detected

Detected Analytes are in bold

Analyte concentrations exceeding cleanup levels are highlighted

* Exceeding these levels do not necessarily trigger requirements for cleanup action under MTCA.

APPENDIX A

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47600 • Olympia, Washington 98504-7600
(206) 407-6000 • TDD Only (Hearing Impaired) (206) 407-6006

April 6, 1995

Trident Seafoods Corportation
5th and "L" Avenue
Anacortes, WA 98221-1758

Subject: Site Hazard Assessment - Trident Seafoods Corporation

To Whom It May Concern:

The Department of Ecology (Ecology) will be conducting a site hazard assessment (SHA) of Trident Seafoods Corporation under the Model Toxics Control Act (MTCA), Chapter 173-340-320 WAC. This assessment will be performed by Ecology contractor SAIC. They will contact you in the near future to arrange a suitable time for an on-site visit. Either myself, or a representative from Ecology's Northwest Regional Office, may also be in attendance.

The purpose of an SHA is to gather information on past/present waste management activities, along with other basic site-specific environmental data, in order to score the site following the Washington Ranking Method (WARM) Scoring Manual guidelines. Potential/actual threats to human health and the environment are evaluated for each applicable migration route, with a resultant "hazard ranking" for the site determined.

Sites are ranked on a scale of one to five, with one representing the highest level of concern, and five the lowest, relative to all other assessed/ranked sites in the state. The level of relative concern may be such that a recommendation of "No Further Action" (NFA) is made, and your site will then be removed from Ecology's Site Information System (SIS) list.

For your information, Ecology will publish a notice in an upcoming issue of the Site Register that an SHA is scheduled for this site. This notice may evoke media inquiries. Likewise, the outcome of the SHA, either as a ranked site or a determination as NFA, will be published in the Site Register.

In addition to any required field work, information from the following sources, as applicable, will be considered in scoring this site:

- Ecology Northwest Regional Office Site Files

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47600 • Olympia, Washington 98504-7600
(206) 407-6000 • TDD Only (Hearing Impaired) (206) 407-6006

August 8, 1995

Trident Seafoods Corporation
5th and "L" Avenue
Anacortes, WA 98221-1858

To Whom It May Concern:

Ecology's contractor, SAIC, has completed the site hazard assessment (SHA) of Trident Seafoods Corporation, and Ecology concurs with their recommendation of a determination of no further action (NFA) under the Model Toxics Control Act (MTCA) at this time.

Ecology reserves the right to initiate further investigation at this site where new information is received indicating a potential/actual threat to human health and/or the environment through the release of hazardous substance(s).

For your information, Ecology will be publishing the results of this, and other recently completed, SHAs in the August 22, 1995 Special Issue of the Site Register.

Please contact me at (360) 407-7195 if you have any questions/comments regarding this SHA and the resultant determination of NFA.

Sincerely,

Michael J. Spencer

cc: Gary Gunderson, UNOCAL, Seattle
Norm Peck, Ecology NWRO TCP
John Thayer, Skagit County Health Department

No Further Action Rec
Site Hazard A
Trident Seafoods Corporation
5th and L Avenue
Anacortes, Skagit County, Washington
T35N, R2E, Section 13

BACKGROUND

In 1988, Trident Seafoods Corporation purchased a former fish processing facility from Whitney Fidalgo. The facility had two underground fuel tanks (each approximately 500 gallons), one storing gasoline and the other stove oil or diesel fuel. The tanks and surrounding contaminated soils (unknown quantity) were excavated and removed in August 1988. An additional 20 cubic yards were removed in 1989 after confirmational soil sampling. The site was backed filled with clean rock and gravel. The area is currently graveled and surrounded by asphalt pavement. A new building is proposed to be constructed over the site.

In addition to the buried fuel tanks on the former Whitney Fidalgo facility, three aboveground fuel storage tanks (from a small Union Oil terminal) existed at the western part of Trident's acquired property. The tanks were removed in 1975. In July 1989, petroleum contaminated soils and groundwater were found in an area 250 feet by 70 feet where a proposed cold storage warehouse was to be built. In September 1989, excavation and disposal of contaminated soil (2,344 tons) was completed. This site was backfilled with rock and sandy/gravelly fill. A cold storage warehouse currently occupies the site and it is surrounded by asphalt pavement. In a remedial action report filed by Dames & Moore in November 1989, confirmational sampling had determined that the remedial efforts had achieved Ecology's MTCA Method A clean-up levels. It was also noted that some contaminated soils were left in place; however, they were below the clean-up concentrations. A confirmational soil sample could not be obtained in one instance from an isolated patch of soil underneath the existing building foundation.

After the contaminated soils were excavated and prior to the addition of clean fill material, two samples of groundwater in the "soup" at the bottom of the excavation pit (less than 5 feet below surface grade) were analyzed for contaminants. The results indicated exceedances of Ecology's clean-up levels for BTEX, TPH, and lead. A groundwater monitoring scheme was recommended in the Dames & Moore remedial action report; however, none was implemented.

Further remedial work was conducted by Trident Seafoods in 1990 in response to a state shoreline permit with the removal of adjacent shoreline sediments (28,000 cubic yards contaminated primarily with petroleum hydrocarbons) in Guemes Channel. According to Mr. Pat Albee (Trident's Plant Engineer), there was some concern that the shallow groundwater may continue to be a source of sediment contamination. However, because the contaminant sources were removed and backfilled with at least three feet of clean material and an asphalt cap; combined with removal of the contaminated sediments, the State granted Trident a shoreline permit.

The groundwater at this site is shallow (less than five feet below the ground surface) and brackish. Only one private well exists within the two mile radius, almost a mile away. The private well is assumed to provide drinking water to no more than four residents. Groundwater is used for irrigation of only 13 acres.

SHA ACTIVITIES

On April 6, 1995, the Department of Ecology mailed the facility a letter indicating that a Site Hazard Assessment would be performed at the site. The letter was telefaxed to Mr. Bob Nelson on April 19, 1995 by Mr. Jim Eldridge of Science Applications International Corporation in attempting to establish a site visit date. Jim Eldridge visited the site on April 27, 1995. During the site visit, Mr. Eldridge photographed the areas of the former underground storage tanks. The areas from which tanks and contaminated soils have been removed are either paved or are beneath an existing building.

RECOMMENDATION

Because the site has been remediated, the groundwater pathway is the only route that potentially could be scored. However, this pathway is not likely to contribute to any human health risk or environmental risk because: 1) the very shallow groundwater at the site is not used, 2) only one private well, almost a mile away, is located within a two mile radius, 3) the majority of contaminated soils and sediments have been removed and backfilled with clean soils, 4) only a small quantity of residual contaminated subsurface soils (<5 cubic yards) may remain onsite, and 4) an asphalt cap has been placed over one area of previously contaminated soils and a building has been constructed over the second area of previously contaminated soils. The groundwater contamination that was documented during the 1989 remediation is likely to have been a function of the contamination with which it was in immediate contact. These reasons provide the basis for the recommendation that the site be remanded to the status of No Further Action.

APPENDIX B

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK

30 DAY NOTICE

See back of form for instructions

Please ✓ the appropriate box: ☐ Intent to Install ☒ Intent to Close ☐ Both

FOR OFFICE USE ONLY
Site ID #: _____
FS ID #: _____

Site Information

UBI Number 601005522

Site/Business Name Trident Seafoods Anacortes Facility
Street

Site Address 1400 Fourth Street

City/State Anacortes, WA

Zip Code 98221 Telephone (206) 783-3818

Owner Information

(This form will be returned to this address)

UST Owner/Operator Trident Seafoods Corporation

Mailing Address 5303 Shilshole Avenue NW
Street

P.O. Box

City/State Seattle, WA

Zip Code 98107-4000 Telephone (206) 783-3818

Tank Installation Company (if known). Fill out this section ONLY if tanks are being installed.

Service Company Not Applicable Contact Name _____

Address _____
Street P.O. Box

_____ Telephone (___) _____
City State Zip Code

Tank Permanent Closure Company (if known). Fill out this section ONLY if tanks are being closed.

Service Company Spooner Contracting, LLC Contact Name Mr. Bill Spooner

Address 17807 SE 346th Street
Street P.O. Box

Auburn, WA 98092 Telephone (253) 347-3321
City State Zip Code

Tank Closure Information

Fill out this section ONLY if tanks are being closed.

Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date Tank Last Used	Is There Product In the Tank (Yes/No)	If No, Date Tank Was Pumped
A	1/9/09	500 gal	gasoline	unknown	no	Currently full of water – will be pumped at removal

Tank Installation Information

Fill out this section ONLY if tanks are being installed.

Tank ID	Approx. Install Date

To receive this document in an alternate format, contact the TOXICS CLEANUP PROGRAM at 360-407-7170 (VOICE) or 1-800-833-6388 or 711 (TTY)
ECY 020-95 (Rev. 01-06)

Instructions

AFTER COMPLETING THIS FORM. RETURN TO:

TOXICS CLEANUP PROGRAM
DEPARTMENT OF ECOLOGY
P.O. BOX 47655
OLYMPIA, WA 98504-7655

Please Read Carefully

Check the appropriate box for tank closure, tank installation, or both.

Site and Owner Information

Fill in the site and owner information. Please include the Ecology site number for tank closures; also, be sure to provide telephone numbers so that any problems can be resolved quickly. Confirmation of receipt of this form will be returned to the owner.

Tank Installation Company

List the installation company, if known. Upon receipt of the completed form, Ecology will validate it and return it to the owner. This validated form allows you to receive a one time drop of product, for UST system testing purposes only. **To dispense product and receive additional deliveries, you must complete the Master Business License registration and obtain your Tank Tag from Ecology. The registration information must be submitted to the Department of Licensing within 30 days of installation to receive a Master Business License with the appropriate tank endorsement(s).**

Tank Permanent Closure Company

List the closure company, if known. Upon receiving a completed 30 day closure form, Ecology will stamp the date received on the form and return a copy to the owner.

Contact your local fire marshal and planning department prior to tank closure to find out if any additional permits are required by county or other local jurisdictions. Compliance with the State Environmental Policy Act (SEPA) Rules, Chapter 197-11 WAC, may be necessary.

Closure may proceed 30 days after the date stamped on the form. A site assessment is required at the time of closure. Contamination found or suspected at the site must be reported to the appropriate Ecology regional office within 24 hours. If the contamination is confirmed, a site characterization report must be submitted to the regional office within 90 days; if contamination is not confirmed, a site assessment report must be submitted to the above address within 30 days.

Please note: Individuals performing UST services MUST be certified by the International Code Council (ICC), or have passed another qualifying exam approved by the Department.

Tank Information

List tanks to be installed or closed. Please report tank ID number(s) for tanks to be closed and assign new tank ID number(s) to tanks being installed. Do not use existing numbers from closed tanks.

The following tanks are exempt from notification requirements:

- Farm or residential tanks, 1,100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.
- Tanks used for storing heating oil that is used on the premises where the tank is located.
- Tanks with a capacity of 110 gallons or less.
- Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.
- Emergency overflow tanks, catch basins, or sumps.

Fax# (425) 313-3074

DEPARTMENT OF ECOLOGY
State of Washington

Response to 30 Day Notice Waiver Request

To be completed by Person Submitting Request

UST ID # (If known): Existing abandoned tank – over 20 years old

Full Site Address: 1400 Fourth Street, Anacortes, WA 98221

Owner/ Operator: Trident Seafoods Anacortes Facility

Contact phone #: Corporate office – Kurt Esveldt (206) 783-3818
Local contact – Jeff Johnson (360) 220-7488

Waiver Requested for 30 Day Notice to:
(Circle one or both) (DECOMMISSION) INSTALL

Person and Company Submitting Request: Rob Harrison, P.E., G-Logics Inc.

Contact phone #: 425-391-8874 office, 425-417-7798 cell

Reason for Submitting Request: ENVIRONMENTAL HAZARD HEALTH HAZARD
(Circle all that apply) (OTHER)

Explain Reason: Abandoned 500-gal UST is obstructing installation of new utilities.

Date Request Submitted: January 16, 2008

Date and time of Construction: Monday, Jan 19th, 2008, from 9:00 am through 3:00pm

Name, Contact Phone Number, and ICC Certification Number for all that apply:

INSTALLER:

DECOMMISSIONER: Mr. Bill Spooner, Spooner Contracting, LLC

SITE ASSESSOR: Rob Harrison, P.E., G-Logics Inc.

Completed 30 Day Notice Attached to Waiver Request Form?
(Circle one) (YES) NO

Department of Ecology Response to Request (to be completed by UST Inspector):

(WAIVER GRANTED) WAIVER DENIED

Inspector: A. Buchan Signature and Date: 01/16/09

DECOMMISSIONER(S) SHALL HAVE A COPY OF 30 DAY NOTICE AND A COPY OF THE WAIVER REQUEST FORM ON SITE DURING ALL DECOMMISSIONING RELATED ACTIONS

THIS PERMIT TO BE DISPLAYED AS REQUIRED

PERMIT NO. _____

ANACORTES FIRE DEPARTMENT

SPECIAL PURPOSE PERMIT

In accordance with the Uniform Fire Code, Article 4, Section 4.101, and the provisions of the Fire Prevention Ordinance adopted by the City of Anacortes, Washington, this permit is hereby granted

for DECOMMISSION & REMOVAL OF 500 GALLON UNDERGROUND STORAGE TANK

LOCATION

Address 1400 4th Street

Telephone 360-293-7701

Owner Trident Seafoods

CONDUCTED BY

Company Name Spooner Contracting

Telephone 253-347-3321

Business Address 17807 SE 346th Street, Auburn, WA 98092

CONDITIONS/RESTRICTIONS 1. Perform locate. 2. Expose tank. 3. Inert after empty. 4. Meter for inert status and document. 5. Contact Fire Marshal Dan Harju (661-3437). 6. Photo site, post removal and file with Building Department.

This permit is issued on the condition of compliance with all Fire Codes and Ordinances as adopted and any conditions listed above.

Signature of Requestor _____

Issue Date January 15, 2009

Signature of Fire Officer _____

Expiration Date January 30, 2009

APPENDIX C

Photo 1

Description: View of UST removal area, looking to the north-northwest.

Comments: UST excavation is directly beyond the yellow air compressor.

Photo 2

Description: View of UST after having been uncovered, triple-rinsed, and inerted.

Comments: Note 8-inch thick asphalt pavement.

Photo 3

Description: View of UST being lifted from the excavation.

Comments: The south side of the UST can be seen. Note the bottom portion of the tank is darker due to moisture/water.

Photo 4

Description: View of UST being lifted from the excavation.

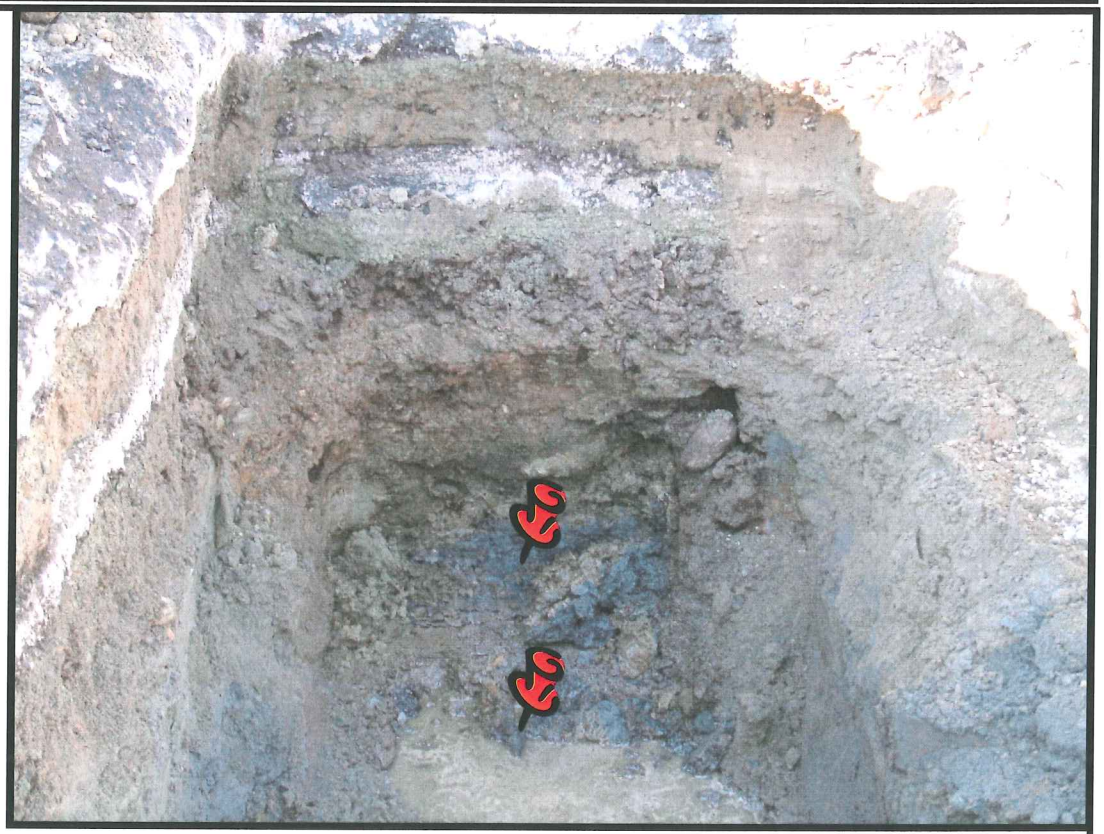
Comments: The north side and bottom of the UST can be seen.

Photo 5

Description: View of UST excavation immediately following tank removal, looking to the west.

Comments: Note water in bottom of excavation and water pipe along the north side (to the right).

Photo 6



Description: View of gray-colored soils at the west sidewall of the excavation.

Comments: Approximate locations of sample SW-W-5 shown by top pin and SW-W-6 by the bottom pin.

APPENDIX D

APPENDIX D

FIELD EXPLORATION METHODS

G-Logics performed subsurface soil sampling as part of a site assessment conducted concurrent with a UST removal on the subject property. The sampling activities were conducted in general accordance with Ecology's guidelines and regulations for UST Closure and Site Checks/Site Assessments.

Underground Utility Clearance

The project area was cleared for utilities prior to the UST closure work. This clearance was performed by another contractor as part of the unrelated construction on site utilities. As described in the body of this report, several water pipes, meters, and vaults are located in the immediate vicinity of the former UST.

Quality Assurance Quality Control

Quality Assurance/Quality Control (QA/QC) for the presented scope of work included generally accepted procedures for sample collection, storage, tracking, and documentation. All sampling equipment was washed with a detergent wash and tap water rinse before the collection of the samples. All samples were labeled with a sample number, date, time, and sampler name, and were stored in an ice chest containing frozen "blue ice". Appropriate chain-of-custody documentation was completed.

Post UST-Excavation Soil Sampling

A G-Logics registered-site assessor performed the soil sampling work. The site assessor reviewed soils for evidence of contamination, indicated by noticeable odor, visible staining, or discoloration. The employee collected subsurface soil samples from the former UST excavation at the locations and depths specified in Table 1 and as shown on Figure 2.

To be safe and comply with Washington State Labor and Industries Construction Safety requirements, specifically shoring, no personnel entered the excavation during the course of this work. Rather, the excavator equipment was used to collect a bucket of soil from the sampling location and lift it out of the testpit. The site assessor then used hand methods to collect soil samples from the bucket, being careful to not collect soil that was in contact with the bucket.

Soil samples to be analyzed for volatile constituents (i.e. TPH-G, BTEX, MTBE, EDB/EDC, and naphthalenes) were collected using EPA Method 5035A employing an Easy Draw Syringe and Powerstop Handle. The soil plug was then extruded into a laboratory-supplied 40-ml VOA vial containing methanol preservative. Soil samples to be analyzed for metals, TPH-Dx, and moisture (for dry-weight conversions) were collected and placed into 4-ounce glass jars, also supplied by the laboratory using clean, stainless-steel trowels.

APPENDIX E

ADVANCED ANALYTICAL

Environmental Testing Laboratory

January 27, 2009

Rob Harrison
G-Logics
40 2 Ave SE
Issaquah, WA 98027

Dear Mr. Harrison:

Please find enclosed the analytical data report for the *T.A.F. 01-0479-C* ***(A90120-2)*** Project.

Samples were received on *January 20, 2009*. The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 497-0110.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

ADVANCED ANALYTICAL

Chain of Custody Record

Page 1 of 1

Laboratory Job #: A90120-2

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: G-LOGICS

Project Manager: ROB HARRISON

Address: 40 2ND AVE SE

Phone: 425-391-6874 Fax: 425-313-3074

Project Name: T, A, F,

Project Number: 01-0479-C

Collector: ROB HARRISON

Date of collection: 1/20/09

	Sample ID	Time	Matrix	Container type	8260 Volatiles (EDB, EDC, MTBE, Naphthalene)	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead	Notes, comments	# of containers
1	SW-S-4		S	VOA + 4oz	X			X	X								X	HOLD	2
2	SW-W-6		S	"	X			X	X								X	HOLD	2
3	SW-W-5		S	"	X			X	X								X	HOLD	2
4	SW-E-5		S	"	X			X	X								X	HOLD	2
5																			
6																			
7																		⊗ Added by R. HARRISON 01/21/09 VCR	
8																			
9																			
10																			
11																			
12																			

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	1/20/09 3:50	V. Vacer	1/20/09 15:57
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers:

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard ⊗

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	A90120-2
Client:	G-Logics, Inc.
Project Manager:	Rob Harrison
Client Project Name:	T.A.F.
Client Project Number:	01-0479-C
Date received:	01/20/09

AAL Job Number: A90120-2
Client: G-Logics, Inc.
Project Manager: Rob Harrison
Client Project Name: T.A.F.
Client Project Number: 01-0479-C
Date received: 01/20/09

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	SW-S-4	SW-W-6	SW-W-5	SW-W-5 Dupl	RPD SW-W-5	SW-E-5
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09
Date analyzed	Limits	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09
Kerosene/Jet fuel	20	nd	1,500	630	990	990	0%	280
Diesel/Fuel oil	20	nd	nd	nd	nd	nd		nd
Heavy oil	50	nd	1,200	970	1,100	1,200	9%	580
Surrogate recoveries:								
Fluorobiphenyl		96%	97%	101%	99%	99%		99%
o-Terphenyl		106%	90%	108%	91%	92%		92%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number:	A90120-2
Client:	G-Logics, Inc.
Project Manager:	Rob Harrison
Client Project Name:	T.A.F.
Client Project Number:	01-0479-C
Date received:	01/20/09

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	SW-S-4	SW-W-6	SW-W-6 Dupl	RPD SW-W-6
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09
Date analyzed	Limits	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd	
Gasoline	5.0	nd		20,000	630	600	5%
BTEX 8021B, µg/kg							
Benzene	20	nd	96%	100,000	1,600	1,200	29%
Toluene	50	nd	97%	440,000	560	550	2%
Ethylbenzene	50	nd		300,000	2,500	2,700	8%
Xylenes	50	nd		1,300,000	2,900	3,400	16%
Surrogate recoveries:							
Trifluorotoluene		98%	108%	73%	108%	99%	
Bromofluorobenzene		104%	106%	127%	101%	112%	

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number:	A90120-2
Client:	G-Logics, Inc.
Project Manager:	Rob Harrison
Client Project Name:	T.A.F.
Client Project Number:	01-0479-C
Date received:	01/20/09

Analytical Results

NWTPH-Gx / BTEX		SW-W-5	SW-E-5
Matrix	Soil	Soil	Soil
Date extracted	Reporting	01/21/09	01/21/09
Date analyzed	Limits	01/21/09	01/21/09
NWTPH-Gx, mg/kg			
Mineral spirits/Stoddard	5.0	nd	nd
Gasoline	5.0	680	1,900
BTEX 8021B, µg/kg			
Benzene	20	630	4,200
Toluene	50	1,000	17,000
Ethylbenzene	50	3,900	31,000
Xylenes	50	4,500	150,000
Surrogate recoveries:			
Trifluorotoluene		99%	83%
Bromofluorobenzene		97%	104%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number:	A90120-2
Client:	G-Logics, Inc.
Project Manager:	Rob Harrison
Client Project Name:	T.A.F.
Client Project Number:	01-0479-C
Date received:	01/20/09

Analytical Results

8260B/5035, µg/kg	Soil	**MTH BLK**	**LCS**	**SW-S-4**
Matrix	Reporting	Soil	Soil	Soil
Date analyzed	Limits	01/22/09	01/22/09	01/22/09
MTBE	50	nd		nd
1,2-Dichloroethane(EDC)	50	nd	83%	nd
1,2-Dibromoethane (EDB)*	5	nd		nd
Naphthalene	50	nd		3,800

*-instrument detection limits

Surrogate recoveries			
Toluene-d8	98%	99%	97%
1,2-Dichloroethane-d4	112%	100%	M

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number:	A90120-2
Client:	G-Logics, Inc.
Project Manager:	Rob Harrison
Client Project Name:	T.A.F.
Client Project Number:	01-0479-C
Date received:	01/20/09

Analytical Results

Metals (7010/7471), mg/kg		MTH BLK	LCS	SW-W-6	SW-W-6 Dupl	RPD SW-W-6	SW-W-5
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	01/23/09	01/23/09	01/23/09	01/23/09	01/23/09	01/23/09
Date analyzed	Limits	01/26/09	01/26/09	01/26/09	01/26/09	01/26/09	01/26/09
Lead (Pb)	1.0	nd	105%	340	300	13%	120

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number:	A90120-2
Client:	G-Logics, Inc.
Project Manager:	Rob Harrison
Client Project Name:	T.A.F.
Client Project Number:	01-0479-C
Date received:	01/20/09

Analytical Results

Metals (7010/7471), mg/kg		**SW-E-5**	**SW-S-4**	**SW-S-4 Dupl**
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	01/23/09	01/23/09	01/23/09
Date analyzed	Limits	01/26/09	01/26/09	01/26/09
Lead (Pb)	1.0	610	13	13

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

APPENDIX F

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

See back of form for instructions

FOR OFFICE USE ONLY
Site ID #:_____
Facility Site ID #: _____

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☒ Permanent Tank Closure ☒ Site Check/Site Assessment

Site Information

Site ID Number Abandoned – not available
(Available from Ecology if the tanks are registered)
Site/Business Name Trident Seafoods Anacortes Facility
Street
Site Address 1400 Fourth Street
City/State Anacortes, WA
Zip Code 98221 Telephone (360) 293-7701

Owner Information

UST Owner/Operator Trident Seafoods Corporation
Mailing Address 5303 Shilshole Avenue NW
Street
P.O. Box
City/State Seattle, WA
Zip Code 98107-4000 Telephone (206) 783-3818

Owners Signature_____

Tank Closure/Change-In-Service Company

Service Company Spooner Contracting, LLC
Certified Supervisor Mr. Bill Spooner Decommissioning Certification No. 5032311-U2
Supervisor's Signature William W Spooner Date 1-23-2009
Address 17807 SE 346th Street
Street P.O. Box
Auburn WA 98092 Telephone (253) 347-3321
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Mr. Robert P. Harrison
Address 40 2nd Avenue SE
Street P.O. Box
Issaquah WA 98027 Telephone (425) 391-6874
City State Zip Code

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
A	1-20-2009	Removal	350 Gallons	Gasoline

Contamination Present at the Time of Closure

☒ Yes ☐ No ☐ Unknown
Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☒ Yes ☐ No
If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

Instructions

AFTER COMPLETING THIS FORM. RETURN TO:

TOXICS CLEANUP PROGRAM
DEPARTMENT OF ECOLOGY
P.O. BOX 47655
OLYMPIA, WA 98504-7655

Please Read Carefully

This form is to be completed by the tank owner and submitted to Ecology within 30 days of tank closure. Mark the appropriate box(es) for temporary tank closure, permanent tank closure, change-in-service, or site assessment.

Permanent Closure and Change-In-Service require a site assessment be performed.

Site and Owner Information

Fill in the site and owner information. Include the Ecology site number, if known; also, be sure to provide telephone numbers so that any problems can be resolved quickly. **The tank owner MUST sign this form.**

Tank Closure/Change-In-Service Company and Site Check/Site Assessor

List the closure company and fill in the site assessor information for permanent closure or change-in-service. Ask to see the closure company supervisor's ICC Certification and make sure that the certified supervisor signs this form.

Please note: Individuals performing services MUST be certified by the International Code Council (ICC), or other nationally recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

Tank Information and Contamination Present at Time of Closure

Please fill in the tank information requested using tank ID numbers previously reported to Ecology. In the column entitled "Closure Method," indicate what manner of closure was used, such as closure in place or removal. Check the appropriate box(es) indicating if contamination is present and has been reported. Contamination found or suspected at the site must be reported to the appropriate Ecology regional office within 24 hours [see below for telephone numbers]. **If contamination is confirmed, a site characterization report must be submitted to the regional office within 90 days; if contamination is not confirmed, then this form, a site assessment checklist, and a site assessment report must be submitted to the above address within 30 days.**

Central	Eastern	Southwest	Northwest
(509) 575-2490	(509) 329-3400	(360) 407-6300	(425) 649-7000

The following tanks are exempt from notification requirements:

- Farm or residential tanks, 1,100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.
- Tanks used for storing heating oil that is used on the premises where the tank is located.
- Tanks with a capacity of 110 gallons or less.
- Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.
- Emergency overflow tanks, catch basins, or sumps.

For more information, call toll free in the state of Washington 1-800-826-7716 (Message).

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY
Site #:_____
Facility Site ID #:_____

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): Abandoned Tank – Never Registered
Site/Business Name: Trident Seafoods Anacortes Facility
Site Address: 1400 Fourth Street (Street) Telephone: (360) 293-7701

Anacortes	WA	98221
City	State	Zip Code

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
A	350 gal	Gasoline

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

_____ Investigate suspected release due to on-site environmental contamination.
_____ Investigate suspected release due to off-site environmental contamination.
_____ Extend temporary closure of UST system for more than 12 months.
_____ UST system undergoing change-in-service.
_____ UST system permanently closed with tank removed.
_____ Abandoned tank containing product.
_____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
X Other (describe): Abandoned UST containing oily water encountered during unrelated construction work.

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	YES	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	YES	
3. A summary of UST system data is provided. (see Section 3.1.)	YES	
4. The soils characteristics at the UST site are described. (see Section 5.2)	YES	
5. Is there any apparent groundwater in the tank excavation?	YES	
6. A brief description of the surrounding land use is provided. (see Section 3.1)	YES	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	YES	
8. A sketch or sketches showing the following items is provided:	YES	
- location and ID number for all field samples collected	YES	
- groundwater samples distinguished from soil samples (if applicable)	na	
- samples collected from stockpiled excavated soil	na	
- tank and piping locations and limits of excavation pit	YES	
- adjacent structures and streets	YES	
- approximate locations of any on-site and nearby utilities	YES	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	na	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	YES	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	na	

12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.	YES	

SITE ASSESSOR INFORMATION

Robert P. Harrison, P.E.
Person registered with Ecology

G-Logics, Inc.
Firm Affiliated with

Business Address: 40 2nd Avenue SE
Street

Telephone: (425) 391-6874

Issaquah | WA | 98027
City | State | Zip Code

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

01/30/2009
Date

Signature of Person Registered with Ecology

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UST Site Assessment
Anacortes Facility, 1400 Fourth Street, Anacortes, WA

G-Logics Project 01-0478-C
March 13, 2009

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