clean closure

007316

LAW ENVIRONMENTAL

REPORT OF UNDERGROUND STORAGE TANK CLOSURE

OVERLAKE HOSPITAL MEDICAL CENTER
BELLEVUE, WASHINGTON

PREPARED FOR:

OVERLAKE HOSPITAL MEDICAL CENTER
BELLEVUE, WASHINGTON

PREPARED BY:

LAW ENVIRONMENTAL, INC.
SEATTLE, WASHINGTON
PROJECT NUMBER 31-1515

NOVEMBER 18, 1991

LAW ENVIRONMENTAL, INC.

2150 NORTH 107TH STREET
SUITE 570
SEATTLE, WASHINGTON 98133
206-367-6600 • FAX: 206-367-9442

November 18, 1991

Mr. Sandy Martin
Overlake Hospital Medical Center
1035 N.E. 116th Avenue
Bellevue, WA 98004

Subject: Report of Underground Storage Tank Closure
Overlake Hospital Medical Center
1035 N.E. 116th Avenue, Bellevue, Washington
Law Environmental Project No. 31-1515

Dear Mr. Martin:

Law Environmental is pleased to submit this report of Underground Storage Tank Closure at your facility located at 1035 N.E. 116th Avenue in Bellevue, Washington. The services were performed in general accordance with Law Associates Proposal No.'s 3391-0006-00, 3391-0072-00 and 3391-0004-00, dated August 30, 1990, March 12, 1991 and April 1, 1991, respectively. These proposals were authorized by Mr. Harold "Pete" Peterson and Mr. Victor Albino, Vice President of Facilities Support Services, both of Overlake Hospital Medical Center on January 16,1991 and March 13, 1991 respectively .

We appreciate the opportunity to serve you. If you have any questions concerning this project, please contact Mr. Temple.

Sincerely,

James K. Temple
Project Geologist

Thomas C. Holmes (MFA)
Thomas C. Holmes, R.G.
Principal

TABLE OF CONTENTS

PAGE

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION 2

2.0 SCOPE OF SERVICES 2

3.0 INFORMATION REVIEW 3
- 3.1 Site Background 3
- 3.2 Site Geology 4
- 3.3 Site Hydrogeology 5

4.0 SITE RECONNAISSANCE 5

5.0 FIELD ACTIVITIES 5
- 5.1 Observation and Documentation of UST Removal Activities 6
  - 5.1.1 UST Removals 6
  - 5.1.2 Soil Sampling 7
  - 5.1.3 Soil Aeration 7
- 5.2 Observation and Documentation of In-Place UST Closure Activities . . 8
  - 5.2.1 Soil Boring Program 8
  - 5.2.2 Soil Sampling 8
  - 5.2.3. In-Place UST Closure 8

6.0 CHEMICAL ANALYSES OF SOIL SAMPLES 9

7.0 CONCLUSIONS AND RECOMMENDATIONS 9

TABLES

FIGURES

APPENDIX A: Photographs of Tank Removal Activities

APPENDIX B: UST Removal/Abandonment Permits

APPENDIX C: Product Disposal Manifests

APPENDIX D: Tank Disposal Manifests/Destruction Certificates

APPENDIX E: Results of Soil Analyses From the Excavations

TABLE OF CONTENTS (CONTINUED)

APPENDIX F: **Results of Soil Analyses from the Boring Program**

APPENDIX G: **Boring Logs**

LIST OF TABLES

TABLE	
1	Chemical Analysis of Soil for 2,000 Gallon Diesel UST (I) Closure
2	Chemical Analysis of Soil for 4,000-Gallon Bunker UST (II) Closure
3	Chemical Analysis of Soil From Excavated Material
4	Chemical Analysis of Soil Samples from Borings at 500-Gallon Diesel UST

LIST OF FIGURES

FIGURE	
1	Site Location and Topographic Map
2	Tank Excavation Locations
3	Tank Boring Locations

EXECUTIVE SUMMARY

Law Environmental was retained by Overlake Hospital Medical Center to assist in closure activities of its underground storage tanks (USTs) at 1035 N.E. 116th Avenue, Bellevue, Washington, WDOE UST site number 007316. This report presents our observations and findings relative to the UST closure activities.

The following activities were performed for this project:

* Observation and documentation of the condition of the removed 2,000- and 4,000-gallon UST systems, including piping.

* Visual evaluation of the subsurface soils surrounding the removed UST systems and assessment of the potential for soil impacts by petroleum hydrocarbon constituents.

* Drilling of two borings to assess subsurface conditions near the 500-gallon UST which was closed in-place.

* Collection and analysis of soil samples from the UST excavations and borings for petroleum hydrocarbon constituents as recommended by Washington State Department Of Ecology's publication "Guidance for Site Checks and Site Assessments for Underground Storage Tanks".

* Preparation of this report documenting closure of the UST systems.

* Acting as a regulatory liaison to address concerns the WDOE may have regarding a successful site closure.

Samples collected from the excavations and borings had a maximum TPH/D concentration of 27 ppm. Concentrations are below the Washington Department of Ecology's action level applicable to this site, which is 200 ppm TPH for diesel fuel. Based upon these levels, it appears that the soils tested do not pose a threat to human health or the environment. Law Environmental does not recommend further evaluation related to the UST system closure.

1.0 INTRODUCTION

Overlake Hospital Medical Center (Overlake) is located at 1035 116th N.E. in Bellevue, Washington. Site location and topography are shown in Figure 1. The site is bordered by N.E. 12th Street to the north; the Applegreen Retail Center and various office buildings to the east; a combination of business offices, medical offices and small retail businesses to the south; and Interstate 405 to the west.

Overlake owns the property on which the hospital facility is located. The facility's three underground storage tanks (USTs) were taken out of service several years ago. The client recently decided against future use of these USTs; this decision necessitated closure of the three USTs.

The exterior portions of the facility are primarily asphalt-paved. However, grass-covered landscaped areas are located in the western and northern portions of the site.

2.0 SCOPE OF SERVICES

The following activities were performed for this project:

* Observation and documentation of the condition of the removed 2,000- and 4,000-gallon UST systems, including piping.

* Visual evaluation of the subsurface soils surrounding the removed UST systems and assessment of the potential for soil impacts by petroleum hydrocarbon constituents.

* Drilling of two borings to assess subsurface conditions near the 500-gallon UST which was closed in-place.

* Collection and analysis of soil samples from the UST excavations and borings for petroleum hydrocarbon constituents as recommended by Washington State Department Of Ecology's publication "Guidance for Site Checks and Site Assessments for Underground Storage Tanks".

* Recommendation of proper metholds for disposal or treatment of soils at the facility if petroleum hydrocarbon constituents detected.

* Preparation of a report documenting closure of the UST systems.

* Acting as a regulatory liaison to address concerns the WDOE may have regarding successful site closure.

3.0 INFORMATION REVIEW

3.1 Site Background

Prior to the initiation of tank removal activities, Law Environmental reviewed information on the UST systems which was provided by Overlake. Available records contained no evidence of USTs having been previously removed from this site. Site plans indicated potential problems with locating underground utilities in both areas of intended excavation. Since there had been numerous renovations and additions to the hospital in the last several years, actual locations of existing utilities were not well known. Plans indicated that natural gas, electric, water, and drain lines were located above the location of the 2,000- and 4,000-gallon USTs. The plans also indicated that a main power supply line and the main fiber optic phone lines for the hospital were above the 500-gallon UST.

Neither the contractor names nor the dates for UST installation were available. Design or as-built plans for the USTs were not available. Inventory control records were also not available for review. There was no indication of leak detection systems for the USTs.

The following summary provides information on substances stored in the tanks, as well as UST capacity, age, and construction materials. The approximate ages of the tanks were provided by Mr. Harold "Pete" Peterson. The approximate locations of the 2,000- and 4,000-gallon USTs which were removed are shown in Figure 2. The approximate locations of the 500-gallon UST which was closed in place and the adjacent soil borings are shown in Figure 3.

TANK CODE	SUBSTANCE STORED	CAPACITY (gals.)	APPROX. AGE	CONSTRUCTION MATERIAL
I	# 2 DIESEL FUEL	2,000	25-35 years	Steel
II	BUNKER "C" OIL	4,000	20-25 years	Steel
III	# 2 DIESEL FUEL	500	8-10 years	Steel

The 2,000-gallon UST was located directly east of the old boiler room and south of the main lobby entrance. The UST was overlain by landscaped areas. This UST was constructed of steel and was approximately 14 feet long with a diameter of 5 feet. The UST operated on a suction system; the piping consisted of two supply lines, two return lines, and a vent line, all constructed of black steel with no flex connectors. The UST was reportedly last used to store #2 diesel fuel; available information indicated no other substance had been stored in this UST.

The 4,000-gallon UST was located in a separate tankhold adjacent to the 2,000-gallon UST in the landscaped area by the main entrance. This UST was constructed of steel and was approximately 14 feet long with a diameter of 7 feet. The UST operated on a suction system similar to that used for the 2,000-gallon UST. The UST was reportedly last used to store Bunker "C" oil; available information indicated no other substance had been stored in this UST.

The 500-gallon UST was located below a small landscaped area in the parking lot near the south end of the facility. This UST was constructed of steel and was approximately 6 feet long with a diameter of 4 feet. The UST operated on a suction system; information on the piping system was not available for review. The UST was reportedly last used to store #2 diesel fuel; available information indicated no other substance had been stored in this UST.

3.2 Site Geology

Law Environmental reviewed site plans, topographic maps, and Department of Agriculture publications to assess subsurface geological conditions at the site. Soil conditions often influence the migration of contaminants potentially released from USTs.

Our review of hospital site plans indicated that a substantial amount of fill has been placed on site. Fill operations were associated with construction of the original hospital buildings and recent additions and renovations.

Law Environmental reviewed the 7.5 minute Bellevue North and Bellevue South quadrangles published by the United States Geological Survey (USGS) in 1983. We reviewed the nominal ground surface elevation and general surface gradient in the area of the site. The map indicated that the site is about 130 feet above mean sea level.

Information concerning soils in the site vicinity was obtained from the 1972 U.S. Department of Agriculture publication entitled "Soil Survey of King County, Washington." This publication indicated that surface soils in this area generally belong to the Alderwood Association. These soils are "moderately well drained, undulating to hilly soils up to 20 inches thick." The Alderwood Association is underlain by Vashon Glacial Till. This unit is composed of a "virtually unsorted, unstratified compact mixture of boulders, cobbles, pebbles, sand, silt, and clay," and extends to a depth of approximately 150 feet. Physically, the till is similar in appearance to weathered concrete. In most areas, the upper 50 feet of the Vashon till is more permeable than the compacted lower sub-units. Where this situation exists the upper sub-units may contain a perched or semi-perched waterbody that may yield small quantities of water to shallow wells. This situation occurs because the lower, more compacted sub-units tend to retard the downward percolation of water.

3.3 Site Hydrogeology

Hydrogeological conditions at the site were inferred from our review of topographic maps and well logs. Based on local topography, the estimated flow direction for surface water and shallow groundwater in the site vicinity appears to be to the south-southwest. Surface water drainage is primarily directed to the local municipal storm sewer system.

After our review of well logs obtained from the Washington Department of Ecology (Ecology), we estimated that groundwater in the areas of intended excavations occurred approximately 20 to 25 feet below ground surface, shallower perched water conditions could be encountered during excavation. Due to the depth of groundwater and the predominance of asphalt paving in the area, it did not appear likely that hydraulic connections between surface water and groundwater would occur.

4.0 SITE RECONNAISSANCE

We conducted a site reconnaissance prior to the initiation of UST removal activities. We located the UST systems on the site and measured the tanks to assess their approximate capacity. There was not a substantial amount of product noted in any of the USTs.

We were unable to determine the exact locations of underground utilities in the vicinity of the USTs. For this reason it was determined that initial excavation would proceed carefully until more precise utility locations could be determined. Neither area of intended excavation had a potential problem with overhead utilities.

The soil around the fill pipe of each of the USTs was observed for surface staining or other evidence of contamination associated with the UST systems. There was no evidence of spills or contamination found during our visual observations.

Utility locators indicated that the gas line over the 2,000- and 4,000-gallon USTs were still active, even though the gas meter had been removed and this gas line no longer supplied the hospital. Numerous calls to Washington Natural Gas finally revealed that the gas line had been cut and capped at a point beyond the expected limits of the excavation.

5.0 FIELD ACTIVITIES

Law Environmental observed and documented the removal of the 2,000- and 4,000-gallon USTs, and the in-place abandonment of the 500-gallon UST. Photographs of the UST closure activities are included in Appendix A. UST removal/abandonment permits are included in Appendix B. Product disposal certificates are included in Appendix C.

5.1 Observation and Documentation of UST Removal Activities

Law Environmental provided a field geologist to document UST removal activities and obtain soil samples during UST removal operations. Both the 2,000- and the 4,000-gallon USTs were removed. Tank removal activities were performed by Northwest EnviroService Inc. (NEI) of Seattle, Washington. NEI contracted directly with Overlake Hospital Medical Center.

5.1.1 UST Removals

NEI used a Case 580k backhoe/loader to excavate the soils surrounding the tanks. Initial excavation proceeded carefully due to the numerous unmarked utilities in the vicinity of and overlying the USTs. These utilities included sprinkler lines, a power line, a natural gas line, a storm drain line, and other unidentified lines. The USTs were inerted with dry ice prior to excavation. Soils from the tank excavations were stockpiled adjacent to the excavations and covered with visqueen at the end of each day.

Excavation and removal of the 2,000-gallon UST occurred on March 19 and 20, 1991. The tank backfill material was silty sand with some gravel and cobbles. Prior to completing the excavation a picket fence located over the south end of the UST was removed. The top of the UST was uncovered at a depth of approximately four feet below ground surface and the UST piping was cut and capped. Two manways on the UST were opened for inspection; residual product and sludge were discovered in the low end of the UST. A vacuum truck provided by NEI was used to remove the residual product and sludge from the UST and the lines. Approximately 400 gallons of sludge and rinse water were removed. Internal inspection of the UST after the cleaning showed the UST to be in excellent shape with no pitting, holes, or significantly noticeable rust. Further excavation to the bottom of the tank, at a depth of approximately 10 feet, revealed no indications of hydrocarbon contamination. After removal, the outside of the UST was cleaned and visually assessed and its condition appeared to be excellent. No corrosion or other potential leak sources were observed. The final excavation limits of the 2,000-gallon UST were approximately 18 feet long, 12 feet wide, and 10 feet deep.

Excavation and removal of the 4,000-gallon UST occurred on March 21 and 22, 1991. The tank backfill material was sand. The top of the UST was uncovered at a depth of approximately four feet below ground surface and the UST piping was cut. The lines were capped after residual product found in the fuel lines was removed by a vacuum truck ordered by NEI. No manways were present on the UST; however, four bung holes located on the top of the UST provided some space for visual inspection of the interior of the UST. No residual product or excessive corrosion was noted. Further excavation to the bottom of the tank, at a depth of approximately 11 feet, revealed no indications of hydrocarbon contamination.

NEI used a Komatsu PC 120 trackhoe to remove the 4,000-gallon UST after numerous unsuccessful attempts were made to remove the UST from the excavation using the Case 580 backhoe. Tie down straps anchored to concrete supports within the tank excavation were cut by the contractor prior to the tank being removed. The supports and straps were not removed

from the excavation. Following the removal of the UST, the exterior of the UST was cleaned and inspected, and its condition appeared to be excellent. No corrosion or other potential leak sources were observed. NEI capped the bung holes and removed the UST from the site at the end of the day. The final excavation limits of the 4,000-gallon UST were approximately 22 feet long, 12 feet wide, and 11 feet deep.

NEI removed the tanks from the site immediately after their removal from the excavation. NEI disposed of the USTs as scrap steel. A copy of the disposal certificate is included in Appendix D.

5.1.2 Soil Sampling

As soil was removed from the UST excavation, random samples were screened for organic vapors using a photoionization detector (PID). This initial screening did not indicate the presence of petroleum hydrocarbons.

Once the tanks were removed and the excavation completely open, representative soil samples were obtained from approximately two feet beneath each USTs. Screening of the soil samples with the PID indicated that the soils beneath the two USTs did not contain hydrocarbon constituents. The southern excavation (Tank #1-2,000 gallon) was advanced to a depth of approximately 10 feet below grade. The northern excavation was advanced to a depth of approximately 11 feet below grade. One soil sample was collected from beneath each UST at these depths. Soil samples were also taken from all four side walls of the two excavations approximately two feet above the bottom of the UST. Groundwater was not encountered while performing excavation activities.

Soil samples collected for laboratory analyses were sealed in laboratory prepared glassware with teflon lids and placed on ice. The samples were shipped to the analytical laboratories, under chain-of-custody protocol. Soil samples collected from the 2,000-gallon diesel UST excavation were analyzed for Total Petroleum Hydrocarbons Modified for Diesel (TPH/D) using EPA Method 8015 by Law Environmental National Laboratories (LENL) in Kennesaw, Georgia. Soil samples collected from the 4,000-gallon bunker oil UST were analyzed using EPA Method 418.1 by Friedman and Bruya, Inc., in Seattle, Washington. The analytical results are shown in Tables 1 and 2; the laboratory reports are included in Appendix E.

5.1.3 Soil Aeration

Since petroleum hydrocarbons were not detected during the PID screening, it was not anticipated that laboratory results would indicate petroleum hydrocarbon concentrations in excess of the levels established by WDOE (200 mg/kg) for Total Petroleum Hydrocarbons (TPH). As a precaution, soils removed from the excavation were spread on plastic sheets adjacent to the excavations. The spreading of soils for aeration was performed on March 19 through March 22, 1991. NEI constructed a temporary fence around the tank excavation and restricted access to the site during excavation and aeration operations.

On March 22, 1991, Law Environmental personnel collected two composite soil samples from the aerated soils. These samples were transported to Friedman and Bruya, Inc. and analyzed for TPH using EPA Method 418.1. The analytical results are summarized in Table 3; the laboratory report is included in Appendix E. The stockpiled soils were later used to backfill the UST excavation. The backfilling operations were performed by NEI. Law Environmental personnel were not present for these activities.

5.2 Observation and Documentation of In-Place UST Closure Activities

Mr. Peterson of Overlake Hospital Medical Center decided to close the 500-gallon diesel UST in place due to the USTs close proximity to underground power cables and fiber-optic telephone cables. Prior to in-place UST closure, the sampling plan was discussed with and approved by Roger Nye, Director of the Northwest Regional UST Compliance Section of WDOE.

5.2.1 Soil Boring Program

Law Environmental subcontracted with Environmental Drilling, Inc. to perform the drilling program. Boring locations were selected on the basis of accessibility. One boring was placed as near to the UST as possible and the other boring location was selected because of its apparent down-gradient position.

Borings B-1 and B-2 were advanced to depths of approximately 19 feet and 14 feet, respectively. Each boring was drilled to a depth at least two feet below the bottom of the UST. Boring logs are included in Appendix F. Samples were collected at five foot intervals using a split spoon sampler. No groundwater was encountered in either boring.

5.2.2 Soil Sampling

Soil samples collected in the borings were monitored with a PID. None of the soil samples indicated elevated PID readings. Soil samples collected for laboratory analyses were sealed in laboratory prepared glassware with teflon lids and placed on ice. The samples were transported, under chain-of-custody protocol, to Friedman and Bruya, Inc., a Washington state certified laboratory. Each soil sample was analyzed for TPH/D using modified EPA Method 8015. The analytical results are shown in Table 4; the reports are included in Appendix G.

5.2.3. In-Place UST Closure

NEI obtained permission from Russ Henderson of the Bellevue Fire Department to close this UST in place after the laboratory analytical results from the boring program had been received. The Bellevue Fire Department required that the UST be washed and rinsed prior to filling with a cement slurry.

NEI pumped and rinsed the 500-gallon UST on August 5, 1991. On August 9, 1991 Russ Henderson of the Bellevue Fire Department and a Law Environmental geologist were on-site to observe the filling of the 500-gallon UST with a concrete slurry.

NEI personnel cut the vent line at ground level and double checked the feed and return lines to be sure the lines had been capped prior to filling the UST with the concrete slurry. NEI had subcontracted Ralphs Concrete Pumping to pump the slurry into the UST and Cadman Premix Co., Inc to deliver the one sack mix slurry. Approximately 3 to 3 1/2 yards of concrete slurry was pumped under pressure into the UST until it started to come out of the vent line. The vent line and fill tube were capped with quick-crete concrete. Russ Henderson said that the filling of the UST was performed satisfactorily.

6.0 CHEMICAL ANALYSIS

Twelve soil samples from the UST excavations, soil stockpiles or soil borings were analyzed for total petroleum hydrocarbons by EPA Method 418.1 (oil and grease) or EPA Method 8015 (modified for diesel). Only one sample, a composite from Tank #2 excavation, had a detectable concentration (27 ppm), and it was below the WDOE action level (200 ppm) for non-gasoline TPH.

TPH concentrations beneath both USTs (#1 and #2) were below laboratory detection limits. TPH concentrations in the soil samples obtained from the excavation sidewalls of tank #1 and the composite sample taken from the north and east side walls of tank #2 were also below detection limits. The composite sample taken from the excavation south and west side walls of tank #2 had a TPH concentration of 27 ppm.

The TPH concentrations in the composite samples taken from the excavated soil piles were below detection limits.

TPH concentrations for the soil samples from the two borings from boring B-1 and B-2 near the 500-gallon UST were below laboratory detection limits of 10 ppm.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon visual inspection of the USTs and the laboratory test results, it appears that low levels of TPH constituents detected in the 4,000-gallon UST excavation are probably the result of minor piping leaks, or the result of spills or overfilling of the UST.

Based upon the analytical results for soil samples obtained from beneath the USTs and the pipelines, these soils do not pose a significant threat to human health or the environment. All TPH levels detected in soils at the site, either prior to or after aeration activities, were below WDOE action levels. We recommend that no further evaluation of the UST systems be performed.

TABLES

TABLE 1

Chemical Analysis of Soil for
2,000-Gallon Diesel UST(I) Closure
Overlake Hospital Medical Center
Law Environmental Job. No. 31-1511

Sample Number	Sample Location	Analysis Results
T-1-S	South Wall	< 10 ppm
T-1-N	North Wall	< 10 ppm
T-1-W	West Wall	< 10 ppm
T-1-E	East Wall	< 10 ppm
T-1-B	Below UST	< 10 ppm

Samples were analyzed by EPA Method 8015 modified for diesel.

TABLE 2

Chemical Analysis of Soil for
4,000-Gallon Bunker UST(II) Closure
Overlake Hospital Medical Center
Law Environmental Job. No. 31-1511

Sample Number	Sample Location	Analysis Results
Composite T-2-N T-2-E	Composite sample from North and East Walls	<25ppm
Composite T-2-S T-2-W	Composite sample from South and West Walls	27ppm
T-2-B	Below UST	<25ppm

Samples were analyzed by EPA Method 418.1

TABLE 3

Chemical Analysis of Soil from Excavated Material
Overlake Hospital Medical Center
Law Environmental Job. No. 31-1511

Sample Number	Sample Location	Analysis Results
T-1-SP	Composite samples taken from soils excavated during removal of 2,000 gal UST	<25ppm
T-2-SP	Composite sample taken from soils excavated during removal of 4,000 gal UST	<25ppm

Samples were analyzed by EPA Method 418.1

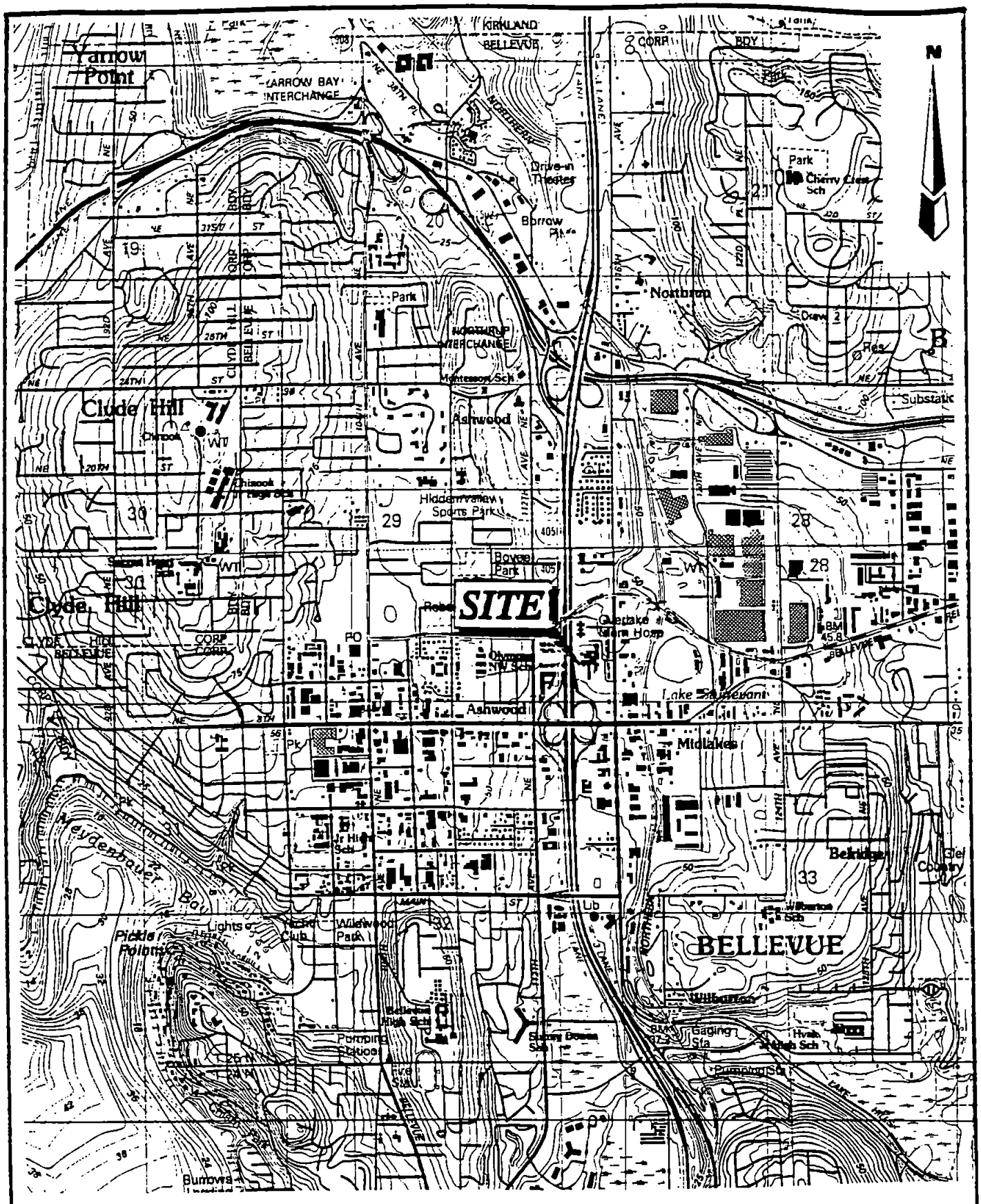
TABLE 4

Chemical Analysis of Soil Samples from Borings at 500-Gallon Diesel UST Overlake Hospital Medical Center Law Environmental Job. No. 31-1511

Sample Number	Sample Location	Analysis Results
Composite B-1-10 B-1-15	Composite of soil from Boring B-1 (10' & 15' depths)	<10ppm
Composite B-2-9 B-2-14	Composite of soil from Boring B-2 (9' & 14' depths)	<10ppm

Samples were analyzed by EPA Method 8015 modified for diesel

FIGURES

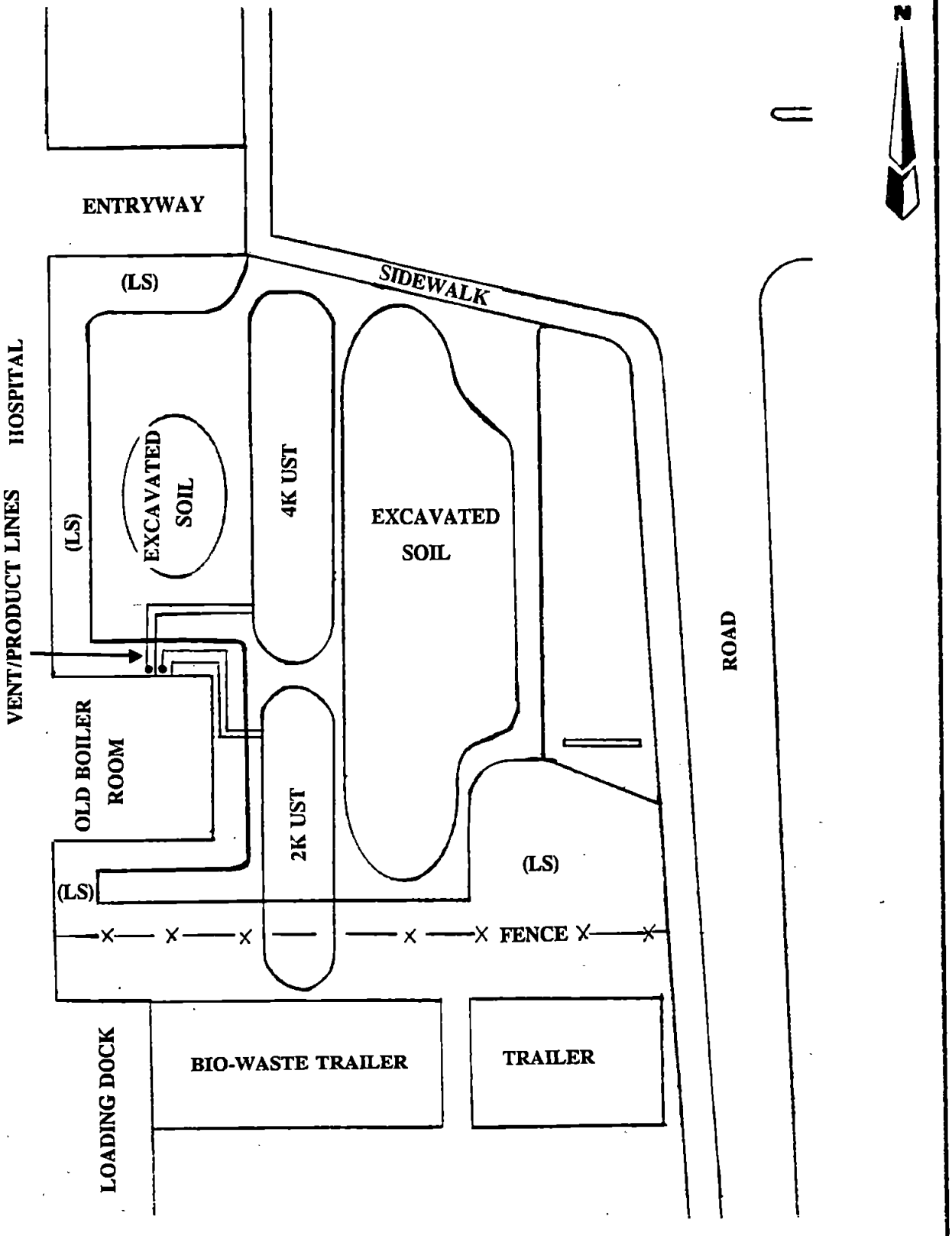


Reference: USGS Topographic Map
Bellevue North and South Quadrangles
1983

APPROXIMATE SCALE
1" = 2000'

SITE LOCATION & TOPOGRAPHIC MAP
Overlake Hospital Medical Center
Bellevue, Washington
Figure 1

LAW ENVIRONMENTAL INC.
2150 NORTH 107TH STREET • SUITE 570
SEATTLE, WASHINGTON 98133
206-367-6600 FACSIMILE: 206-367-9442



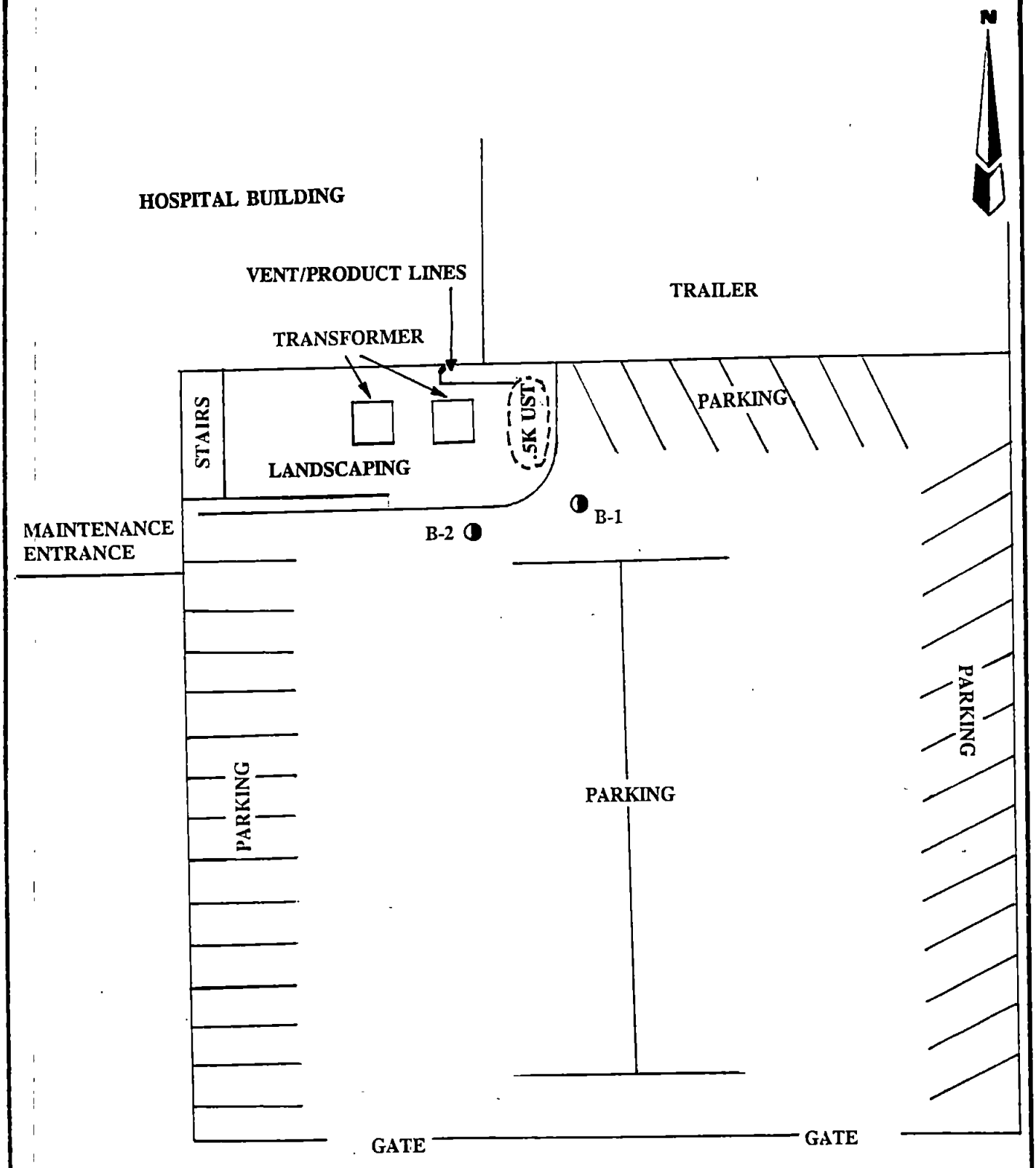
LEGEND

LANDSCAPING (LS)

NOT TO SCALE

TANK EXCAVATION LOCATIONS
Overlake Hospital Medical Center
Bellevue, Washington
Figure 2

LAW ENVIRONMENTAL, INC.
2150 NORTH 107TH STREET • SUITE 570
SEATTLE, WASHINGTON 98133
206-367-6600 FACSIMILE: 206-367-6442



LEGEND

◑ BORING LOCATION

NOT TO SCALE

TANK BORING LOCATIONS
Overlake Hospital Medical Center
Bellevue, Washington
Figure 3

LAW ENVIRONMENTAL, INC.
2150 NORTH 107TH STREET • SUITE 570
SEATTLE, WASHINGTON 98133
206-367-6600 FACSIMILE: 206-367-6442

APPENDIX A

PHOTOGRAPHS OF TANK REMOVAL ACTIVITIES

PHOTO 1: 2,000 GAL.
UST INSIDE TANKHOLD

PHOTO 2: 2,000 GAL. UST REMOVED

PHOTO 3:
4,000 GAL UST
WITH 2000 GAL
UST TANKHOLD
IN BACKGROUND

PHOTO 4: 4,000 GAL UST BEING REMOVED

APPENDIX B

UST REMOVAL/ABANDONMENT PERMITS

Northwest EnviroField Services

June 3, 1991

City of Bellevue Fire Department
Fire Prevention Bureau
P. O. Box 90012
Bellevue, WA 98009-9013

ATTN: MR. HENDERSON

RE: OVERLAKE HOSPITAL

Dear Sir,

Northwest EnviroField Services (a division of Northwest EnviroService, Inc.) on behalf of Overlake Hospital is seeking approval to abandon in place one (1) 500 gallon diesel fuel tank at the hospital.

TANK SPECIFICS: Tank is 500 gallons in size, used to store diesel fuel for the emergency back-up generator.

ASSESSMENT: On April 10, 1991 Laws Environmental completed two (2) borings around the tank to a depth of 14 1/2' - 19' to collect and analyze soils for petroleum Hydrocarbons. Sample analysis determined that no significant amounts of Hydrocarbons were/are present in soils adjacent to tank.

REASON FOR IN-PLACE ABANDONMENT: Due to U. S. West and Puget Power having utilities in close proximity of tank, NWEFS recommends, after speaking with Bob Steen of U. S. West, the flushing of tank with high pressure using a mixture of water and detergent, rinsate will be removed from tank via NWEFS vacuum truck. This procedure will be repeated until wash water removed from tank has no significant amount of diesel fuel suspended in the water. The tank will be dried by using a vacuum truck.

A mixture of cement slurry, acceptable to Bellevue Fire Department will be used to fill the tank. To ensure 100% of the tank is filled, a concrete line pump will be used. The cement slurry is pumped through the fill pipe of the tank until cement slurry is flowing from the vent pipe of the tank.

If this method for tank closure is acceptable to the Bellevue Fire Department, please sign in the space provided and a send copy back. Thank you in advance for your prompt attention to this matter.

Sincerely,

Northwest EnviroField Services

Kory D Holm

Kory D. Holm
Remedial Services

KDH:cal

ACCEPTANCE

BELLEVUE FIRE DEPARTMENT / BY: Russell K Henderson

TITLE: Fire Marshal

OVERLAKE HOSPITAL / BY: _____

TITLE: _____

KDH:cal

CITY OF BELLEVUE
Fire Department

FIRE DEPARTMENT PERMIT NO. U91062501

This permit is issued by the City of Bellevue Fire Department

Overlake Hospital Medical Center

Effective Date: 6/25/91

for the following practice(s) to be performed

1035 116th Avenue NE

Expires: If revoked

To permanently abandon, in place, a 500 gallon underground diesel tank.

FEE $50.00

The above practice(s) are permitted at the above location. All practice(s) must be in accordance with the applicable provisions of the Uniform Fire Code.

Peter R. Lucarelli
Fire Chief

Issued by: _____

Date: _____

THIS PERMIT MUST BE DISPLAYED AT THE SITE OF THE PERMITTED ACTIVITY
THIS PERMIT IS NON-TRANSFERABLE

Form No. 0268
Revised 8-90

ROUTING: White-applicant; Yellow-station file; Pink-Fire Prevention

UNDERGROUND STORAGE TANK
Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173-360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: OVERLAKE Hospital Medical Center

Owners Address: 1035 (Street) 116th Ave NE

Bellevue (City) Wash (State) 98004 (P.O. Box / ZIP Code)

Telephone: (206) 454-4011

Site ID Number (on invoice or available from Ecology if tank is registered): 00731

Site/Business Name: Same as above

Site Address: (Street) (County)

(City) (State) (ZIP Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: NW Environ Field Service Inc License Number: S000198

Address: 54 (Street) Dawson 80743 (P.O. Box)

Seattle (City) WA (State) 98108 (ZIP Code)

Telephone: (206) 762-1190

Licensed Supervisor: Kenny D Holm Decommissioning License Number: W000310

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): II
2. Year installed: ?
3. Tank capacity in gallons: 4,000
4. Date of last use: 3/22/91
5. Last substance stored: Bunker "C"
6. Date of closure/change-in-service: 3/22/91
7. Type of closure: Closure with Tank Removal [X] In-place Closure [ ] Change-in-Service [ ]
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: City of Bellevue / Fire Dept.

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes [X] No [ ]

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	X		
2. Has all product piping been capped or removed?	X		
3. Have all non-product lines been capped or removed?	X		
4. Have all liquid and accumulated sludges been removed from the tank?	X		
5. Has the tank been properly purged or inerted?	X		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	X		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	X		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	X		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	X		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10/28/91
Date

Ronald D Nelson
Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

10/21/91
Date

[signature] MANAGER
Signature of Licensed Service Provider (firm) Owner or Authorized Representative

Date

Signature of Tank Owner or Authorized Representative

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): III
2. Year installed: ?
3. Tank capacity in gallons: 500
4. Date of last use: 8-9-91
5. Last substance stored: Diesel Fuel
6. Date of closure/change-in-service: 8-9-91
7. Type of closure: Closure with Tank Removal ☐ In-place Closure ☒ Change-in-Service ☐
8. If in-place closure is used, the tank has been filled with the following substance: 1 Sack C.D.F (Controlled Density fill)
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: City of Bellevue; Fire Dept.

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes ☒ No ☐

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 070-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	X		
2. Has all product piping been capped or removed?	X		
3. Have all non-product lines been capped or removed?	X		
4. Have all liquid and accumulated sludges been removed from the tank?	X		
5. Has the tank been properly purged or inerted?	X		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?			X
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	X		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	X		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?			X

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10/28/91 — Date
Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

10/31/91 — Date
Signature of Licensed Service Provider firm) Owner or Authorized Representative

Date
Signature of Tank Owner or Authorized Representative

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): I
2. Year installed: ?
3. Tank capacity in gallons: 2,000
4. Date of last use: 3/20/91
5. Last substance stored: #2 Deisel
6. Date of closure/change-in-service: 3/20/91
7. Type of closure: Closure with Tank Removal [X] In-place Closure [ ] Change-in-Service [ ]
8. If in-place closure is used, the tank has been filled with the following substance: n/a
9. If change-in-service, indicate new substance stored in tank: n/a
10. Local permit(s) (if any) obtained from: Bellevue Fire Dept

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes [X] No [ ]

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	X		
2. Has all product piping been capped or removed?	X		
3. Have all non-product lines been capped or removed?	X		
4. Have all liquid and accumulated sludges been removed from the tank?	X		
5. Has the tank been properly purged or inerted?	X		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	X		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	X		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	X		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	X		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10/28/91 [signature]
Date Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

10/31/91 [signature], Manager
Date Signature of Licensed Service Provider (and Owner or Authorized Representative

Date Signature of Tank Owner or Authorized Representative

City of Bellevue
Storm & Surface Water Utility 451-4476 • FAX (206) 637-5214
Post Office Box 90012 • Bellevue, Washington • 98009-9012

CLEARING AND GRADING PERMITS WILL BE MADE AVAILABLE AND SIGNED AT THE PRE-CONSTRUCTION MEETING. UNDER NO CIRCUMSTANCES SHALL ANY WORK BEGIN PRIOR TO SAID MEETING.

CONDITIONS OF CLEARING AND GRADING PERMIT NO.: CGSFN 91-1824

SITE ADDRESS: 1035 116th AVE NE

1. Call Don Haugland at 451-4474, Bob Hudson at 455-6937, Mark O'Malley at 451-4475, Rick Knights at 451-4116 forty-eight (48) hours prior to starting work for required pre-construction conference and for mandatory final inspection prior to occupancy. The SSWU inspector shall be notified forty-eight (48) hours in advance of the following:
    1. Beginning of work on the site.
    2. Installation of the temporary erosion control system.
    3. Prior to any clearing or grading.
    4. Installation of any rockeries or retaining walls.
    5. Prior to any work in or adjacent to streams or drainage courses.
    6. Initial installation of any permanent drainage system.
    7. After final grading and prior to paving.
    8. Final inspection prior to requesting a Certificate of Occupancy.

2. A copy of the valid Clearing and Grading Permit and approved plans shall be available on site at all times. Sites without available Permits and plans are subject to issuance of a Stop Work Order.

3. A copy of this memo shall be given to all contractors and/or other persons working on and/or using the site prior to their entry to the site.

4. It shall be the responsibility of the Permittee to ensure that all earth hauling contractors, builders, or anyone utilizing vehicles upon a public place for operations covered under this permit shall provide workers and equipment to keep the public place clean to the satisfaction of the Storm and Surface Water Utility Department. If necessary, the SSWU may hire outside contractual forces or utilize City forces to clean the public place or places and charge the cost thereof plus 15% to the permittee as per Ordinance No. 1296.

RECEIPT NUMBER AMOUNT

RECEIPT NUMBER AMOUNT

CITY OF BELLEVUE WASHINGTON

STORM & SURFACE WATER UTILITY
ENGINEERING DIVISION

$185.
PERMIT NUMBER
CGSFN91-1824
PERMIT FEE

CLEARING, GRADING, EXCAVATION OR FILL PERMIT

AT 1035 116th NE (Number, Street) ON LOT ____ BLOCK ____

OF ____ ADDITION. LOT IS ____ X ____ ALLEY ____

LIFE OF PERMIT	PLANS FILED	YES / NO	SEPA CHECKLIST REQUIRED: DNS DS EXEMPT	VALIDATION
1 Year				DKH

Permission is hereby given to do the following described work, according to the conditions hereon and according to the approved plans and specifications pertaining thereto, subject to compliance with Ordinance 2790, Chapter 23.76 of the Bellevue City Code.

This permit pertains only to the above-cited provisions of the Bellevue City Code pertaining to clearing, grading, fill or excavations. Additional authorization from other public agencies may be necessary for work to be accomplished under this permit.

The Permit Authority reserves the right to make additional restrictions for conditions or revoke this permit if deemed necessary by the Permit Authority to correct and/or eliminate hazardous conditions or bring conditions into compliance with this Code.

The City of Bellevue will not be held liable for any property damage which might occur as a result of work to be accomplished under this permit.

See attached memo for permit conditions.

Excavation and removal of two diesel tanks.

I certify that I am a currently registered contractor, doing business under the name of NW EnviroService Inc
and my Contractor Reg. No. is [illegible] 136OP
Signed Kory D Holm

I certify that I am exempt from the requirements of the Contractor Registration Law under Sec. 3 Chap. 128, Laws of 1967.
Signed ____

CERTIFICATE OF USE & OCCUPANCY MUST BE ISSUED PER SEC. 308 BEFORE PREMISES ARE OCCUPIED OR USED

OWNER Overlake Hospital & Med Ctr. ADDRESS 1035 116th NE PHONE 462-5207

CONTRACTOR NW Enviro Service Inc. Kory Holm PHONE 762-1190

ENGINEER ____ PHONE 979-2722

ARCHITECT ____ PHONE ____

ADDRESS ____

I have read the conditions of this permit and I agree that I will do the work described above in conformance with the Bellevue City Code and approved plans.

SIGNED Kory D Holm (OWNER)

APPLICATION MADE March 3 19 91 BY Kory D Holm

PERMIT ISSUED 3/7/91 STORM & SURFACE WATER UTILITY By [signature]
Authorized Agent

STARTING CONSTRUCTION WITHOUT A BUILDING OR CLEARING & GRADING PERMIT IS PUNISHABLE BY FINE AND IMPRISONMENT

CALL 451-4475 HOURS PRIOR TO START OF WORK FOR REQUIRED ...

Design & Development Department
Permit Center/Storm & Surface Water Utility

SENSITIVE AREA INTAKE FORM SINGLE-FAMILY RESIDENCES

Owner/(Applicant) NW Environ Service Inc Phone 362-1196
Site Address 1035 110th AVE NE
Contact Name Kerry Hilson Phone 362 1196

*** This Section To Be Completed By Permit Center Reviewer ***

Date 10-30-91 Permit Center Reviewer [illegible]

This site contains the following Sensitive Area(s): No Sensitive Areas

- ☐ Slope of 15% to 40%
- ☐ Shoreline
- ☐ Floodplain
- ☐ Slope of greater than 40% or colluvial soils
- ☐ Riparian Corridor
- ☐ Wetland

Note: The City's Sensitive Area Mapping is generalized inventory. Site-specific analysis may be required for properties containing Sensitive Areas. You may be contacted during project review to submit additional information as required by site conditions.

Submit the following with your applications for the Clearing & Grading and Building Permits:

- ☐ Geotechnical Report
- ☒ Site ~~Topographical~~ Survey
- ☐ Erosion Control Plan
- ☐ Grading Plan - must include existing & proposed 2-foot contour intervals
- ☐ Drainage Plan

(These 4 plans may be combined onto one sheet)

- ☐ Slope Disturbance Analysis & Calculations per L.U.C. 20.25H.110D
- ☐ Environmental Checklist
- ☐ Wetland Report
- ☐ On plans, indicate boundaries & setbacks for riparian corridor, floodplain, wetland, and/or shoreline
- ☐ Request for Protected Area Exception
- ☐ Request for Slope Setback Modifications
- ☐ Request for Disturbance Limitations Alternative Review
- ☐ Request for Riparian Corridor Setback Modification

The appropriate permits for this project are checked below. This is based on general, available information; further review may alter this determination.

Clearing & Grading Permit:

- ☒ CGSFN
- ☐ CGSFS
  - ___ Permit Ctr Review
  - ___ Home Dept Review

Building Permit:

- ☐ NSSF <15%
- ☐ SASF 15-40%
- ☐ SRSF SEPA

See the submittal requirements for each permit indicated above for the number of copies and description of submittal items.

For Permit Processing Use Only:

CITY OF BELLEVUE
Design & Development Department

PROOF OF AGENCY

I, Sanderson Jeghers, hereby certify that I am

(check one)

- ☐ the Owner of the property
- ☒ the Property Manager of Overlake Health Care Assn, a corporation which is the Owner and/or is authorized to represent the property

at the following address: 1035 116 AVE NE
Bellevue, WA 98004

I further certify that Sandy Martin is authorized to act as
Name of Agent

the Owner's sole agent regarding the property at the above address for the purpose of filing applications for decisions, permits, or review under the Land Use Code and other applicable Bellevue City codes and has full power and authority to perform on behalf of the Owner all acts required to enable the City to process and review such applications.

This agency shall be effective until revoked by written instrument executed by the undersigned and delivered to the City of Bellevue Design and Development Department.

I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Signature of Owner or Property Manager

Sanderson Jeghers
Print or Type Name

Bellevue WA
Place (City where signed)

3-1-91
Date

INTERNAL USE ONLY:
This Proof of Agency expires on 9.1.91
180 days

Development Technician

About the Proof of Agency Form

1. Proof of Agency must be completed by the person who is the Owner or the Manager of the property at the time of application. We no longer require notarization of the signature.
2. The name of the Agent must be stated on the appropriate line. The Agent is the individual who will sign the Building or Land Use Application and the Conditional Acceptance.
3. A separate, original Proof of Agency is required for each application, with the following exceptions:
   a. Where the Owner is the Agent, a Proof of Agency is not required.
   b. When 2 applications for a project are filed at the same time—e.g., Building Permit and Design Review application—one Proof of Agency can be submitted for both applications.
   c. Where there are ongoing application submittals for a project at a stated address, the applicant may submit a copy of the original Proof of Agency for up to 180 days of the initial application. The 180-day "expiration" date (meaning the date upon which the ability to use a copy of the original Proof of Agency expires) is noted at intake on the original Proof of Agency by the Development Technician. After 180 days, a new Proof of Agency must be submitted with an incoming application.
   d. For additional Tenant Improvement applications at the same address and by the same Agent, a copy of the original Proof of Agency may be used for up to

City of Bellevue
Treasury 455-6852
Post Office Box 90013 • Bellevue, Washington • 98009 9013

** INVOICE **

Bill To: NW ENVIROS SERVICE
1700 AIRPORT WAY SOU
P O BOX 2443 ATTN C HOLM
SEATTLE, WA 98124

Billing Date: 3-11-1991

Due Prior To: 04-11-1991

Acct No: NW ENVIROS-78870078

Invoice #	Description	Amount Due
7806	TANK REMOVEL PERMIT T91030501	$50.00
	010-000-32290-003-	
	Total Due	$50.00

Please include a copy of this invoice when submitting payments.
Payments without invoice copies will be applied to oldest invoice.

APPENDIX C

PRODUCT DISPOSAL MANIFESTS

Northwest EnviroService Inc.

PUMP AND RINSE CERTIFICATION 31-21320

DATE: 8/5/91

TO WHOM IT MAY CONCERN

This letter is to certify that tank(s), size(s)

500 or 1000 gal Diesel tank

have been pumped and rinsed for removal.

Work was performed at:

10355 NE 4th Bellevue WA

For:

Overlake Hospital

Please note that this letter does **not** certify that the above tank(s) have been cleaned for disposal or that it (they) should be considered gas-free.

Sincerely,

Northwest EnviroService, Inc.

Randy Sanders

Underground Tank Division
762-1190

Northwest EnviroService Inc.

38934

P.O. Box 24443, 1500 Airport Way S.
Seattle, WA 98124 • Phone: (206) 622-1090

BILL OF LADING AND GALLONAGE REPORT

Date 3-21-91

CUSTOMER OVERLAKE Hospital
VESSEL U.G. LINES
LOCATION OVERLAKE Hospital

Report Prepared By: DAN D
Time:
Gallons Pumped: 8
Truck #:
P.S. 300
BOL#: 32-21320
Tank #:

Number	Barrel Contents

Disposed: N.W.E.S
Charged To:
Other (Problems):

Driver's Signature: Dan Doyle
Customer's Signature: Ron Ewart

NWT 1/85

Northwest EnviroService Inc.

10225

BILL OF LADING AND GALLONAGE REPORT

CUSTOMER OVERLAKE HOSPITAL DATE 3/20/91

JOB LOCATION 1635 116TH N.E.

DRIVER [illegible] EQUIP 771

JOB NO 92-31330 DOCUMENT NO

PRODUCT DIESEL - BUNKER - WATER EST. GALS 400

PRODUCT EST. GALS

DRUMS NO

OTHER EST SOLIDS

Jim Watson's hps 4

CUSTOMER SIGNATURE

N.W.E.S. DISPOSAL

WASH OUT: YES ☒ NO ☐ TIME IN 11:30 TIME OUT 1:20

WATER GAL LOCATION TEST

SOLIDS GAL LOCATION

% SUSPENDED SOLIDS BY CENTRIFUGE + GALS. SEDIMENT

OIL/DIESEL 350 GAL LOCATION TEST

HOC'S PCB'S B.S.&W. API. LAB: YES ☐ NO ☒

GAS GAL LOCATION

HWP GAL LOCATION

OTHER

FACILITY REPRESENTATIVE

DRIVER SIGNATURE

NW116 (REV. 9/90)

ACCOUNTING

Northwest EnviroService Inc.

09815

BILL OF LADING AND GALLONAGE REPORT

CUSTOMER Overlake Hospital DATE 3/6/91

JOB LOCATION Bellevue

DRIVER Dan A. EQUIP 291

JOB NO 32 21320 DOCUMENT NO _____

PRODUCT Diesel + oil EST. GALS 300

PRODUCT _____ EST. GALS _____

DRUMS _____ NO _____

OTHER _____ EST SOLIDS _____

x N/A
CUSTOMER SIGNATURE

N.W.E.S. DISPOSAL

WASH OUT: YES ☒ NO ☐ TIME IN 755 TIME OUT _____

WATER Ø GAL LOCATION — TEST —

SOLIDS Ø GAL LOCATION —

Ø % SUSPENDED SOLIDS BY CENTRIFUGE Ø GALS. SEDIMENT

OIL/DIESEL 300 GAL LOCATION U-S TEST ok

HOC'S <250 PCB'S — B.S.&W. — API. — LAB: YES ☐ NO ☒

GAS Ø GAL LOCATION —

HWP Ø GAL LOCATION —

OTHER —

RECEIVED MAR 0 7 1991

Scott Stevens
FACILITY REPRESENTATIVE

Dan Clem
DRIVER SIGNATURE

NW116 (REV. 9/90)

JOB FOLDER
ACCOUNTING

Northwest EnviroService Inc.

11914

BILL OF LADING AND GALLONAGE REPORT

CUSTOMER Overlake Hospital DATE 8/5/91

JOB LOCATION 1535 116th NE

DRIVER Randy Frankel EQUIP 281

JOB NO 32 21320 DOCUMENT NO

PRODUCT DIESEL & WASH WATER EST. GALS 50

PRODUCT EST. GALS

DRUMS NO

OTHER EST SOLIDS

x Robin L Phelps
CUSTOMER SIGNATURE

N.W.E.S. DISPOSAL

WASH OUT: YES ☒ NO ☐ TIME IN 4:55 TIME OUT 5:20

WATER 50 GAL LOCATION Epi T TEST good

SOLIDS 0 GAL LOCATION

0 % SUSPENDED SOLIDS BY CENTRIFUGE + GALS. SEDIMENT

OIL/DIESEL 0 GAL LOCATION TEST

HOC'S X PCB'S B.S.&W. API. LAB: YES ☐ NO ☒

GAS GAL LOCATION

HWP GAL LOCATION

RECEIVED AUG - 6 1991

OTHER

John K Berry
FACILITY REPRESENTATIVE

Randy Frankel
DRIVER SIGNATURE

NW116 (REV. 9/90)

JOB FOLDER

Northwest EnviroService Inc.

Northwest EnviroService Inc.

11914

BILL OF LADING AND GALLONAGE REPORT

CUSTOMER Overlake Hospital DATE 8/5/91

JOB LOCATION 1135 116th NE

DRIVER Randy Franke EQUIP 781

JOB NO 32 21326 DOCUMENT NO _____

PRODUCT Drill wash water EST. GALS 55

PRODUCT _____ EST. GALS _____

DRUMS _____ NO _____

OTHER _____ EST SOLIDS _____

x Randy Franke
CUSTOMER SIGNATURE

N.W.E.S. DISPOSAL

WASH OUT: YES ☒ NO ☐ TIME IN 4:55 TIME OUT 5:20

WATER 50 GAL LOCATION Epi T TEST good

SOLIDS 0 GAL LOCATION _____

0 % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS. SEDIMENT

OIL/DIESEL 0 GAL LOCATION _____ TEST _____

HOC'S X PCB'S _____ B.S.&W. ____ API. ____ LAB: YES ☐ NO ☒

GAS _____ GAL LOCATION _____

HWP _____ GAL LOCATION _____

OTHER _____

RECEIVED AUG - 6 1991

John K Bauer
FACILITY REPRESENTATIVE

Randy Franke
DRIVER SIGNATURE

NW116 (REV. 9/90)

ACCOUNTING

Northwest EnviroService Inc.

PUMP AND RINSE CERTIFICATION 32-21320

DATE: 8/5/91

TO WHOM IT MAY CONCERN

This letter is to certify that tank(s), size(s)

500 or 1000 gal Diesel tank

have been pumped and rinsed for removal.

Work was performed at:

10835 NE Bellevue WA

For:

Overlake Hospital

Please note that this letter does not certify that the above tank(s) have been cleaned for disposal or that it (they) should be considered gas-free.

Sincerely,

Northwest EnviroService, Inc.

Underground Tank Division
762-1190

APPENDIX D:

TANK DISPOSAL MANIFESTS/DESTRUCTION CERTIFICATES

right

Northwest EnviroField Services

DISPOSAL CERTIFICATION

DATE: April 17, 1991

TO: Overlake Hospital
1035 116th NE
Bellevue, Washington 98004

REFERENCE P.O. Pete Peterson

To whom it may concern,

This letter is to certify that Northwest EnviroField Services has received the following tank(s) for cleaning and disposal in accordance with all federal, state and local rules and regulations:

1.) One (1) 4,000 gallon black oil
2.) One (1) 2,500 gallon diesel

NWEFS JOB #: 32-21320

DATE RECEIVED: 03-20-91

DATE CLEANED: 03-21-91

DATE OF DISPOSAL: 03-22-91

METHOD OF DISPOSAL: Scrap Steel

LOCATION OF TANK ORIGIN: Overlake Hospital/1035 116th NE/Bellevue,WA

If you have any questions or requests for service, feel free to contact this office at (206)-762-1190.

Thank you for your business and we look forward to being of service in the future.

Sincerely,

Northwest EnviroField Services

Kim Ducatt

Kim Ducatt
Underground Tank Division

KD:lh

Northwest EnviroService Inc.

TANK MANIFEST

CUSTOMER NAME (If new customer include billing address)		
Overlake Hospital		
CUSTOMER P.O. #	CUSTOMER JOB #	ORIGIN OF TANK(S)
		Overlake Hospital Bellvue
*NWES JOB #	Must have a number on manifest and clearly marked on tank(s) before tank(s) maybe unloaded.	
32-21320		
DATE DELIVERED TO NWES	RECEIVED BY	DELIVERED BY (Name and company)
3-20-91	RLB	NWES X

TANK INFORMATION

JOB #—TANK #	SIZE	PRODUCT	PROBLEMS
			Sludge
1	2500gal.	Diesel	15Gal EST 10 Gal
	75" X 121"		
2	4000 Gal	Black Oil	50 Gal EST ϕ gal.
	75½ X 204		

Date Inerted & Cut: 1 3-21-91

Date Cleaned: 4 3-21-91

Date Disposed & Certified: 4 3-22-91 (2) 3-25-91

APPENDIX E

RESULTS OF SOIL ANALYSES FROM THE EXCAVATIONS

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/23/91
Page 1

--- Project Information ---

Lab Number : 61-2106-01
Project No. : 3391-3006 Cust. No. :
Project Name : OVERLAKE HOSPITAL MEDICAL CTR.

Manager: JAMES TEMPLE

--- Sample Information ---

Station ID : T-1-S
Matrix : SO
Type : GRAB
Collector : JT

Sampled Date/Time : 03/20/91 14:30
Received Date/Time : 03/21/91 11:45
Received From/By : JT/ST
Chain of Custody : 0
Number of Containers : 1

Remarks :

--- Test Data ---

Parameter	Method	Units	PQL	Results	Test Date	Analy
-- SAMPLE PREPARATION RESULTS --						
Ext/TPH Semi-Volatile/SO/Son	SF 3550			NA	03/21/91	RO
Moisture (Oven Dried @ 105 C)	EPA 160.3M	wt %	1	14	03/22/91	BM
--- SERIES 15000						
TPH, Semi-Volatile	EPA 8015M	mg/kg	10	ND	03/22/91	RWE

Signed Linda Hamm

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/23/91
Page 1

--- Project Information ---

Lab Number : 61-2106-02
Project No. : 3391-3006 Cust. No. :
Project Name : OVERLAKE HOSPITAL MEDICAL CTR.

Manager: JAMES TEMPLE

--- Sample Information ---

Station ID : T-1-N
Matrix : SO
Type : GRAB
Collector : JT

Sampled Date/Time : 03/20/91 14:30
Received Date/Time : 03/21/91 11:45
Received From/By : JT/ST
Chain of Custody : 0
Number of Containers : 1

Remarks :

--- Test Data ---

Parameter	Method	Units	PQL	Results	Test Date	Analy
-- SAMPLE PREPARATION RESULTS --						
Ext/TPH Semi-Volatile/SO/Son	SF 3550			NA	03/21/91	RO
Moisture (Oven Dried @ 105 C)	EPA 160.3M	wt %	1	10	03/22/91	BM
--- SERIES 15000						
TPH, Semi-Volatile	EPA 8015M	mg/kg	10	ND	03/22/91	RWE

Signed Linda Haun

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/23/91
Page 1

--- Project Information ---

Lab Number : 61-2106-03
Project No. : 3391-3006
Project Name : OVERLAKE HOSPITAL MEDICAL CTR.

Cust. No. :

Manager: JAMES TEMPLE

--- Sample Information ---

Station ID : T-1-W
Matrix : SO
Type : GRAB
Collector : JT

Sampled Date/Time : 03/20/91 14:30
Received Date/Time : 03/21/91 11:45
Received From/By : JT/ST
Chain of Custody : 0
Number of Containers : 1

Remarks :

--- Test Data ---

Parameter	Method	Units	PQL	Results	Test Date	Analy
-- SAMPLE PREPARATION RESULTS --						
Ext/TPH Semi-Volatile/SO/Son	SF 3550			NA	03/21/91	RO
Moisture (Oven Dried @ 105 C)	EPA 160.3M	wt %	1	14	03/22/91	BM
--- SERIES 15000						
TPH, Semi-Volatile	EPA 8015M	mg/kg	10	ND	03/22/91	RWE

Signed Linda Hamm

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/23/91
Page 1

--- Project Information ---

Lab Number : 61-2106-04
Project No. : 3391-3006 Cust. No. :
Project Name : OVERLAKE HOSPITAL MEDICAL CTR.

Manager: JAMES TEMPLE

--- Sample Information ---

Station ID : T-1-E
Matrix : SO
Type : GRAB
Collector : JT

Sampled Date/Time : 03/20/91 14:30
Received Date/Time : 03/21/91 11:45
Received From/By : JT/ST
Chain of Custody : 0
Number of Containers : 1

Remarks :

--- Test Data ---

Parameter	Method	Units	PQL	Results	Test Date	Analy
-- SAMPLE PREPARATION RESULTS --						
Ext/TPH Semi-Volatile/SO/Son	SF 3550			NA	03/21/91	RO
Moisture (Oven Dried @ 105 C)	EPA 160.3M	wt %	1	13	03/22/91	BM
--- SERIES 15000						
TPH, Semi-Volatile	EPA 8015M	mg/kg	10	ND	03/22/91	RWE

Signed Linda Harris

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/23/91
Page 1

--- Project Information ---

Lab Number : 61-2106-05
Project No. : 3391-3006
Project Name : OVERLAKE HOSPITAL MEDICAL CTR.

Cust. No. :

Manager: JAMES TEMPLE

--- Sample Information ---

Station ID : T-1-B
Matrix : SO
Type : GRAB
Collector : JT

Sampled Date/Time : 03/20/91 14:30
Received Date/Time : 03/21/91 11:45
Received From/By : JT/ST
Chain of Custody : 0
Number of Containers : 1

Remarks :

--- Test Data ---

Parameter	Method	Units	PQL	Results	Test Date	Analy
-- SAMPLE PREPARATION RESULTS --						
Ext/TPH Semi-Volatile/SO/Son	SF 3550			NA	03/21/91	RO
Moisture (Oven Dried @ 105 C)	EPA 160.3M	wt %	1	14	03/22/91	BM
--- SERIES 15000						
TPH, Semi-Volatile	EPA 8015M	mg/kg	10	ND	03/22/91	RWE

Signed Linda Hamm

LAW ENVIRONMENTAL, INC.

2150 No. 107th STREET
SUITE 570
SEATTLE, WASHINGTON 98133
(206) 367-6600
FAX (206) 367-9442

CHAIN OF CUSTODY RECORD

Lab Log Number _____

Client Name: Overlake Hospital Medical Center | Project Number: 3391-3006
Project Name: Overlake Hospital Medical Center
Report Attention: James Temple | Sampled by: James K. Temple

Sample Number	Date Sampled	Time Sampled	Type*	Sample Description	Number of Containers	Analyses Required: 9015 Mod. (Diesel)	Remarks: 6/21/91
T-1-S	3/20/91	1430	Soil	Soil from Tankhold	1	X	48 Hour -01
T-1-N	3/20/91	1430	"	" " "	1	X	-02
T-1-W	3/20/91	1430	"	" " "	1	X	Turnaround 03
T-1-E	3/20/91	1430	"	" " "	1	X	-04
T-1-B	3/20/91	1430	"	" " "	1	X	Please -05

27639 2432

	Signature	Company	Date	Time
Relinquished by	James K. Temple	Law Environmental, Inc	3/20/91	1700
Received by	[illegible]	Law Env - Hydrocarbon	3/21/91	11:45
Relinquished by				
Received by				
Relinquished by				
Received by				

NOTE: Samples are discarded 30 days after results are reported, unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

*AQ - Aqueous; NA - Nonaqueous; SL - Sludge; GW - Ground Water; SO - Soil; PE - Petroleum; OT - Other

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: March 26, 1991
Date Submitted: March 22, 1991
Project: Overlake Hospital, 3391-3006-00

RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS BY IR (EPA METHOD 418.1) Results Reported as µg/g (ppm)

Sample #	Total Petroleum Hydrocarbons (ppm)
Composite T-2-N T-2-E	<25
Composite T-2-S T-2-W	27
T-2-SP	<25
T-1-SP	<25
T-2-B	<25
Quality Assurance	
Method Blank	<25
T-2-B (Duplicate)	<25
T-2-B (Matrix Spike) Spiked @ 200 ppm Percent Recovery	110%
T-2-B (Matrix Spike Duplicate) Spiked @ 200 ppm Percent Recovery	100%

3-848-B

LAW ENVIRONMENTAL, INC.

2150 No. 107th STREET
SUITE 570
SEATTLE, WASHINGTON 98133
(206) 367-6600
FAX (206) 367-9442

CHAIN OF CUSTODY RECORD

give verbals by Tues Morning

Lab Log Number ______

Client Name: Overlake Hospital M.C.
Project Number: 3391-3006-00
Project Name: Overlake Hosp. M.C.
Report Attention: J. Temple or I. King
Sampled by: Jim Temple

Analyses Required: 418.1 | Bunker C oil

Sample Number	Date Sampled	Time Sampled	Type*	Sample Description	Number of Containers	418.1	Bunker C oil							Remarks
T-2-N	3/22/91	1358	Soil	Soils from Tank hold	1	X					18749			Composite T-2-N and
T-2-S	↓	1345	"	T-2-S (South Wall	1	X					18751			T-2-E → Single Analysis
T-2-W		1410	"	West Wall	1	X					18752			
T-2-E		1345	"	East Wall	1	X					18750			Composite T-2-S and ~~T-2-W → Single Analysis~~
[illegible]		/	"		[illegible]									
T-2-SP		1415	"	T-2-SP (Spoils Pile)	1	X					18753			T.
T-1-SP	3/22/91	1350	"	T-1-SPile	1	X					18754			
T-2-B	3/22/91	1350	"	T-2-B (Bottom)	1	X					18755			

	Signature	Company	Date	Time
Relinquished by	Jim Temple	Law Environmental, Inc	3/22/91	1700
Received by	Elaine Zamora	Friedman & Bruya	3/22/91	1700
Relinquished by				
Received by				
Relinquished by				
Received by				

NOTE: Samples are discarded 30 days after results are reported, unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

*AQ - Aqueous; NA - Nonaqueous; SL - Sludge; GW - Ground Water; SO - Soil; PE - Petroleum; OT - Other

APPENDIX F

RESULTS OF SOIL ANALYSES FROM THE BORING PROGRAM

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: April 12, 1991
Date Submitted: April 10, 1991
Project: PR 3391-0004, Overlake Hospital Medical Center

RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY GC/FID (MODIFIED 8015) Results Reported as µg/g (ppm)

Sample #	Diesel (ppm)
Composite B-1-15 B-1-10	<10
Composite B-2-9 B-2-14	<10
Quality Assurance	
Method Blank	<10
Composite B-1-15 B-1-10 (Duplicate)	<10
Composite B-1-15 B-1-10 (Matrix Spike) Spiked @ 1,000 ppm Percent Recovery	140%
Composite B-1-15 B-1-10 (Matrix Spike Duplicate) Spiked @ 1,000 ppm Percent Recovery	140%

4 [illegible] C
EKZ

LAW ENVIRONMENTAL, INC.

2150 No. 107th STREET
SUITE 570
SEATTLE, WASHINGTON 98133
(206) 367-6600
FAX (206) 367-9442

CHAIN OF CUSTODY RECORD

COMPOSITE FOR ANALYSIS, BUT PLEASE LEAVE ENOUGH SAMPLES INTACT.

Lab Log Number ______

Client Name: Overlake Hospital Medical Center
Project Number: FR 3391-0004
Project Name: Overlake
Report Attention: Jim Temple / Jeff King
Sampled by: J. Temple

Analyses Required: 8015 (Diesel)

Sample Number	Date Sampled	Time Sampled	Type*	Sample Description	Number of Containers	8015 (Diesel)	Remarks	FB1 #
B-1-5	4/10/91	835	Soil	Soil Samples From Borings	1	[crossed out]	Composite B-1-10	19142
B-1-15	4/10/91	900	↓	B-1 + B-2 by	1	X	+ B-1-15	19143
B-1-19	↓	910	↓	500 gal Diesel UST	1			19144
B-1-10	↓	845	↓	↓	1	X	Composite B-2-9	19145
B-2-5	↓	942	↓	↓	1	[crossed out]	+ B-2-14	19146
B-2-9	↓	950	↓	↓	1	X		19147
B-2-14	↓	1005	↓	↓	1	X	*Archive Remaining	19148
							Sample of B-1-10, B-1-15	
							B-2-9, + B-2-14	
							(*) Archive B-1-5, B-1-19	
							B-2-5	

COMPOSITE

	Signature	Company	Date	Time
Relinquished by	James R. Temple	L.E.I.	4/10/91	1240
Received by	M.A. [illegible]	FRIEDMAN & BRUYA, INC.	4-10-91	
Relinquished by				
Received by				
Relinquished by				
Received by				

Samples are discarded 30 days after results are reported, unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

PLEASE CALL W/ VERBALS

*A - Aqueous; NA - Nonaqueous; SL - Sludge; GW - Ground Water; SO - Soil; PE - Petroleum; OT - Other

APPENDIX G

BORING LOGS

TEST BORING RECORD

DEPTH (FEET)	DESCRIPTION	LITHOLOGY	P.I.D. READING	% RECOVERY	TIME	BLOW COUNT
0.0	FILL, ASPHALT, BASE ROCK - GRAVEL AND SAND (GW)					
5.0	FILL - SILTY SAND WITH GRAVEL, LITTLE CLAY (SM): Brown; non-plastic; moist; no hydrocarbon odor.		0 PPM	80 %	8:35 A.M.	5 5 5
10.0	TILL-SILTY SAND, LITTLE GRAVEL, TRACE CLAY (SM): Gray; slightly plastic; dry; no hydrocarbon odor.		0 PPM	50 %	8:45 A.M.	14 50-6"
15.0	TILL - SAND, SOME GRAVEL, TRACE SILT (SP): Gray; non-plastic; dry; no hydrocarbon odor.		0 PPM	50 %	9:00 A.M.	38 50-4"
17.5	TILL - SAND, LITTLE SILT (SP): Gray; non-plastic; wet; no hydrocarbon odor.		0 PPM	100 %	9:10 A.M.	32 48 40
19.0	Boring terminated at 19.00 feet.					

REMARKS:

1) Drilling method: continuous flight auger with B-61.
2) Groundwater not encountered.

DRILLED BY	ENVIRO.DRILL	BORING NUMBER	B-1
LOGGED BY	JKT	DATE STARTED	4/10/91
CHECKED BY		DATE COMPLETED	4/10/91
		JOB NUMBER	31-1511

Law Environmental

TEST BORING RECORD

DEPTH (FEET)	DESCRIPTION	LITHOLOGY	P.I.D. READING	% RECOVERY	TIME	BLOW COUNT
0.0	FILL, ASPHALT, BASE ROCK - SANDY GRAVEL (GW)					
4.0	FILL - SILTY SAND WITH GRAVEL, SOME CLAY (SM): Brown; non-plastic; moist; no hydrocarbon odor.		0 ppm	80 %	9:42 a.m.	4 3 4
7.0	TILL-SILTY SAND, CLAY, TRACE GRAVEL (SM): Brown; non-plastic; dry; no hydrocarbon odor.		0 ppm	100 %	9:50 a.m.	4 10 36
12.5	TILL - SAND WITH SILT, TRACE CLAY (SP): Grey; non-plastic; moist; no hydrocarbon odor.		0 ppm	90 %	10:05 a.m.	20 35 24
14.0	Boring terminated at 14.00 feet.					

REMARKS:

1) Drilling method: continuous flight auger with B-61.
2) Groundwater nor encountered.

DRILLED BY	ENVIRO.DRILL.	BORING NUMBER	B-2
LOGGED BY	JKT	DATE STARTED	4/10/91
CHECKED BY		DATE COMPLETED	4/10/91
		JOB NUMBER	31-1511

Law Environmental

LAW ENVIRONMENTAL, INC.

2150 NORTH 107TH STREET
SUITE 570
SEATTLE, WASHINGTON 98133
206-367-6600 • FAX: 206-367-9442

November 20, 1991

Ms. Karen Backman
Underground Storage Tank Section
Washington State Department of Ecology
Mail Stop PV-11
Olympia, Washington 98504-8711

Subject: Report of Underground Storage Tank Closure
Site No. 007316
Overlake Hospital Medical Center
Bellevue, Washington
Law Environmental Project No. 31-1511/31-1515

Dear Ms. Backman:

At the request of Mr. Sandy Martin of Overlake Hospital Medical Center, we are submitting the following documentation of the tank closures at the above referenced site:

* Permanent Closure/Change-in-Service Checklist
* Site Check/Site Assessment Checklist
* 2 copies of the UST Closure Report

If you have any questions, please call us at (206) 367-6600 or Mr. Sandy Martin at (206) 462-5205.

Sincerely,

LAW ENVIRONMENTAL, INC.

James K. Temple
Project Geologist

cc: Mr. Sandy Martin

UNDERGROUND STORAGE TANK
Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

UNDERGROUND STORAGE TANK
NOV 21 1991

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: OVERLAKE Hospital Medical Center

Owners Address: 1035 (Street) 116th NE (P.O. Box)

Bellevue (City) WASH (State) 98004 (ZIP-Code)

Telephone: (206) 454-4011

Site ID Number (on invoice or available from Ecology if tank is registered): 007731

Site/Business Name: Same as Above

Site Address: (Street) (County)

(City) (State) (ZIP-Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: NW Environ Feild Service Inc License Number: 2000198

Address: 521 SW Dawson (Street) 80763 (P.O. Box)

Seattle (City) WA (State) 98108 (ZIP-Code)

Telephone: (206) 762-1190

Licensed Supervisor: Kenny D Holm Decommissioning License Number: WC00310

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): II
2. Year installed: ?
3. Tank capacity in gallons: 4,000
4. Date of last use: 3/22/91
5. Last substance stored: Bunker "C"
6. Date of closure/change-in-service: 3/22/91
7. Type of closure: Closure with Tank Removal [X] In-place Closure [ ] Change-in-Service [ ]
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: - N/A
10. Local permit(s) (if any) obtained from: City of Bellevue / Fire Dept.

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes [X] No [ ]

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	X		
2. Has all product piping been capped or removed?	X		
3. Have all non-product lines been capped or removed?	X		
4. Have all liquid and accumulated sludges been removed from the tank?	X		
5. Has the tank been properly purged or inerted?	X		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	X		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	X		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	X		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	X		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10/25/91 — Date

Tony D Hulbert — Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

10/31/91 — Date

[signature] MANAGER — Signature of Licensed Service Provider (firm) Owner or Authorized Representative

11/20/91 — Date

[signature] — Signature of Tank Owner or Authorized Representative

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): III
2. Year installed: ?
3. Tank capacity in gallons: 500
4. Date of last use: 8-9-91
5. Last substance stored: Diesel Fuel
6. Date of closure/change-in-service: 8-9-91
7. Type of closure: Closure with Tank Removal [ ] In-place Closure [X] Change-in-Service [ ]
8. If in-place closure is used, the tank has been filled with the following substance: 1 Sack C.D.F (Controlled Density F.
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: City of Bellevue; Fire Dept.

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes [X] No [ ]

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	X		
2. Has all product piping been capped or removed?	X		
3. Have all non-product lines been capped or removed?	X		
4. Have all liquid and accumulated sludges been removed from the tank?	X		
5. Has the tank been properly purged or inerted?	X		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?			X
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	X		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	X		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?			X

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10/28/91
Date

Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

10/31/91
Date

Signature of Licensed Service Provider (firm) Owner or Authorized Representative — MANAGER

11/20/91
Date

Signature of Tank Owner or Authorized Representative

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): I
2. Year installed: ?
3. Tank capacity in gallons: 2,000
4. Date of last use: 3/20/91
5. Last substance stored: #2 Deisel
6. Date of closure/change-in-service: 3/20/91
7. Type of closure: Closure with Tank Removal [X] In-place Closure [ ] Change-in-Service [ ]
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: Bellevue ; Fire Dept

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes [X] No [ ]

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	X		
2. Has all product piping been capped or removed?	X		
3. Have all non-product lines been capped or removed?	X		
4. Have all liquid and accumulated sludges been removed from the tank?	X		
5. Has the tank been properly purged or inerted?	X		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	X		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	X		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	X		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	X		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10/25/91
Date

Tony D Holm
Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

10/24/91
Date

Signature of Licensed Service Provider (firm) Owner or Authorized Representative

11/20/91
Date

Signature of Tank Owner or Authorized Representative

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
NOV 21 1991

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: Overlake Hospital Medical Center

Owners Address: 1035 116th Avenue NE (Street) (P.O. Box)

Bellevue (City) WA. (State) 98005 (ZIP-Code)

Telephone: (206) 454-4011

Site ID Number (on invoice or available from Ecology if tank is registered): 007316

Site/Business Name: Overlake Hospital Medical Center

Site Address: 1035 116th Avenue NE (Street) King (County)

Bellevue (City) WA. (State) 98005 (ZIP-Code)

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: James K. Temple (Law Environmental, Inc.)

Address: 2150 North 107th Street (Street) (P.O. Box)

Seattle (City) WA. (State) 98133 (ZIP-Code)

Telephone: (206) 367-1600

3. TANK INFORMATION

1. Tank ID Number (as registered with Ecology): I
2. Year installed: estimate - 1965
3. Tank capacity in gallons: 2,000 gallons
4. Last substance stored: #2 Diesel

4. 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-in-place

X UST system permanently closed with tank removed

_____ Required by Ecology or delegated agency for UST system closed before December 22, 1988

_____ Other (describe): _____

5. 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. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?	X JHT	
2. Has a release from the UST system been confirmed? *NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24 hours.*		X JHT
3. Are the results of the site check/site assessment enclosed with this checklist? *NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.*	X JHT	

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.

10-21-91
Date

James H. Temple
Signature of Person Registered with Ecology

6. OWNER'S SIGNATURE

11/20/91
Date

J Martin (JHT)
Signature of Tank Owner or Authorized Representative

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: Overlake Hospital Medical Center

Owners Address: 1035 116th Avenue NE (Street)

Bellevue (City) WA. (State) 98005 (P.O. Box / ZIP-Code)

Telephone: (206) 454-4011

Site ID Number (on invoice or available from Ecology if tank is registered): 007316

Site/Business Name: Overlake Hospital Medical Center

Site Address: 1035 116th Avenue NE (Street)

Bellevue (City) WA. (State) 98005 (County / ZIP-Code)

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: James K. Temple (Law Environmental, Inc.)

Address: 2150 North 107th Street (Street)

Seattle (City) WA. (State) 98133 (P.O. Box / ZIP-Code)

Telephone: (206) 367-6600

3. TANK INFORMATION

1. Tank ID Number (as registered with Ecology): IL
2. Year installed: estimate - 1970
3. Tank capacity in gallons: est. 4,000 gallons
4. Last substance stored: Bunker C

4. 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-in-place

X UST system permanently closed with tank removed

_____ Required by Ecology or delegated agency for UST system closed before December 22, 1988

_____ Other (describe): _____

5. 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. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?	X JKT	
2. Has a release from the UST system been confirmed? *NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24 hours.*		X JKT
3. Are the results of the site check/site assessment enclosed with this checklist? *NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.*	X JKT	

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.

10-21-91
Date

James H. Temple
Signature of Person Registered with Ecology

6. OWNER'S SIGNATURE

10-20-91
Date

S Martin (JKT)
Signature of Tank Owner or Authorized Representative

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: Overlake Hospital Medical Center

Owners Address: 1035 116th Avenue NE (Street) (P.O. Box)

Bellevue (City) WA (State) 98005 (ZIP-Code)

Telephone: (206) 454-4011

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: Overlake Hospital Medical Center

Site Address: 1035 116th Avenue NE (Street) King (County)

Bellevue (City) WA (State) 98005 (ZIP-Code)

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: James K. Temple Law Environ

Address: 2150 North 107th Street (Street) (P.O. Box)

Seattle (City) WA (State) 98133 (ZIP-Code)

Telephone: (206) 367-6600

3. TANK INFORMATION

1. Tank ID Number (as registered with Ecology): 1 2. Year installed: estimate - 1975

3. Tank capacity in gallons: 500 4. Last substance stored: #2 Diesel

4. 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

X UST system permanently closed-in-place

_____ UST system permanently closed with tank removed

_____ Required by Ecology or delegated agency for UST system closed before December 22, 1988

_____ Other (describe): _____

5. 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. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?	X JHT	
2. Has a release from the UST system been confirmed? *NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24 hours.*		X JHT
3. Are the results of the site check/site assessment enclosed with this checklist? *NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.*	X JHT	

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.

10-21-91 Date — James H. Tuple Signature of Person Registered with Ecology

6. OWNER'S SIGNATURE

11/20/91 Date — D Martin (JHT) Signature of Tank Owner or Authorized Representative