CRD

GTE Northwest Incorporated

P.O. Box 1003
Everett, Washington 98206-1003
206 261-5321

October 12, 1989

Washington Department of Ecology
Solid and Hazardous Waste Program
Storage Tank Unit
Mail Stop PV-11
Olympia, Washington 98504

Subject: SITE# 012338 - CHELAN CENTRAL OFFICE 4070-B01

Dear Sir:

Enclosed for your information and file is documentation on the underground storage tank work performed at ourChelan, Washington telephone switching station.

1) Washington State Underground Storage Tank Notification Form (for the new double walled composite tank that was installed)

2) Contamination Assessment letter prepared by Applied Geotechnology Inc.

3) Test Lab Reports - Analytical Technologies, Inc.

4) Tank Disposal - Northwest EnviroService Inc.

5) Site Plan - Chelan Central Office

The following activity took place at our Chelan Central Office:

Removed and replaced tank 4070-B01-1 (500 gallon) which was "CIU". ADD new tank (see form attached

1) 4070-B01-1

The tank in this location was actually a 1000 gallon storage tank, approximately 22 years old. It was removed and replaced with a new 500 gallon double walled steel tank with a fiberglass exterior coating (composite tank) equipped with an in-tank level monitor system, interstitial and containment riser product sensors, over fill and spill protection. The supply and return piping is black iron run within fiberglass containment piping, isolated from the soil. (Tank and piping were backfilled with pea gravel.)

A new (revised) "Washington State Underground Storage Tank Notification Form" has been completed on the new tank. The existing notification form should be voided.

2) Remove 4070-B01-2 (1000 gallon tank)

Attempted to locate the second tank (1000 gallon) thought to be used to feed the boiler. There was no evidence of a tank or piping at the location shown. The permit for this tank, previously listed as 4070-B01-2 should be voided.

It is my understanding there is no fee for this type of change at this time. If there is please let me know. . My mail address is:

GTE Northwest Incorporated
P.O. Box 1003 (4LB)
Everett, Washington 98206

Attn: D. S. Kindle (4 LB)

My telephone number is (206) 261-6302.

Very truly yours,

Donald S. Kindle

Donald S. Kindle
Senior Engineer
Land and Buildings

Enclosures

Applied Geotechnology Inc.

July 12, 1989

15,169.008

Mr. Donald S. Kindle
GTE Northwest Incorporated
Post Office Box 1003, 4-LB
Everett, Washington 98206

Dear Scott:

Contamination Assessment
Underground Storage Tank Removal
Chelan Central Office
GTE NW Work Order No. 4070-B01-7200289

Introduction

This letter summarizes our assessment of possible hydrocarbon contamination resulting from two underground diesel storage tanks at the GTE Central Office in Chelan, Washington. In accordance with the terms of our Owner/Architect Agreement, you requested that we evaluate and monitor the removal of one, and possibly two, underground storage tanks.

Our representative visited the site on April 19, 1989, to observe removal of an active tank, and to explore the location of a previously planned tank. The active 1,000-gallon tank being used to supply a standby generator was to be replaced by a new 500-gallon tank meeting Environmental Protection Agency requirements. The planned tank was to be installed in 1967, and GTE requested that we investigate whether or not the tank was installed at the planned location. Heritage Construction was the general contractor, and Northwest Enviroservice, Inc. (NEI) was the tank disposal contractor.

Active Tank

Soil surrounding the active tank was excavated to expose the tank and lines which appeared to be in good condition. After tank removal, our representative closely observed the excavation sides and collected soil samples. Hydrocarbon vapor measurements were made with a meter on samples representing all excavation sides and the bottom. There was no contamination evident by either observation or measurement. A sample from the excavation bottom was submitted to Analytical Technologies, Inc. for analysis in accordance with EPA Method 8015 Modified. Hydrocarbons were found in concentrations of 15 parts per million (ppm). (Reference test results for Sample 2.008 on the attached analytical laboratory report.) The tank was removed by Heritage Construction and disposed by NEI according to their attached letter of certification.

300 120th Ave. NE P.O. Box 3885 Bellevue, WA 98009 Telephone 206/453-8383

Planned Tank

A test pit was excavated to a depth of 5 feet at the planned location of a 500-gallon underground storage tank. There was no evidence of a tank, nor any evidence that one was formerly present. We did not observe any fuel lines entering the building suggesting that a tank in the suspect location was ever installed. The proposed purpose of the tank was to supply a diesel standby generator. We learned that the active tank was serving that purpose.

Conclusions

Laboratory analysis indicates that minor amounts of fuel hydrocarbons are present in soils immediately surrounding the active tank. The hydrocarbon concentration is well below the 200 ppm cleanup guideline recommended by the Washington Department of Ecology. Based on our field observations, measurements, and testing, there is no reason to suspect that the active tank released hydrocarbons in any significant quantity. It is our opinion that the levels of contamination observed are typical of spillage during filling and not due to long term leaking of the tank or lines. We also believe that the active tank and its contents have been properly disposed. Since we discovered no evidence of the "planned" tank, and since its proposed purpose was being served by the active tank, we believe the tank was never installed.

Our conclusions are based on conditions encountered at the time of our field observations, information provided by GTE and NEI, and our experience and engineering judgement. Our work has been performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the area. No other warranty, express or implied, is made.

Yours very truly,

APPLIED GEOTECHNOLOGY INC.

Glen M Bobnick
Glen M. Bobnick, P.E.
Project Engineer

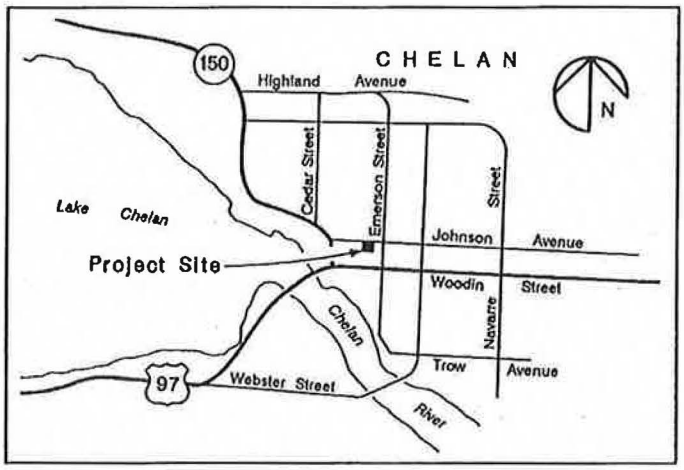
John E. Newby, P.E.
President

GMB/JEN/tag

Scott- I thought I had a facility photo but couldnt find it.

If you dont have one to insert here I will arrange to get one.

FACILITY PHOTOGRAPH



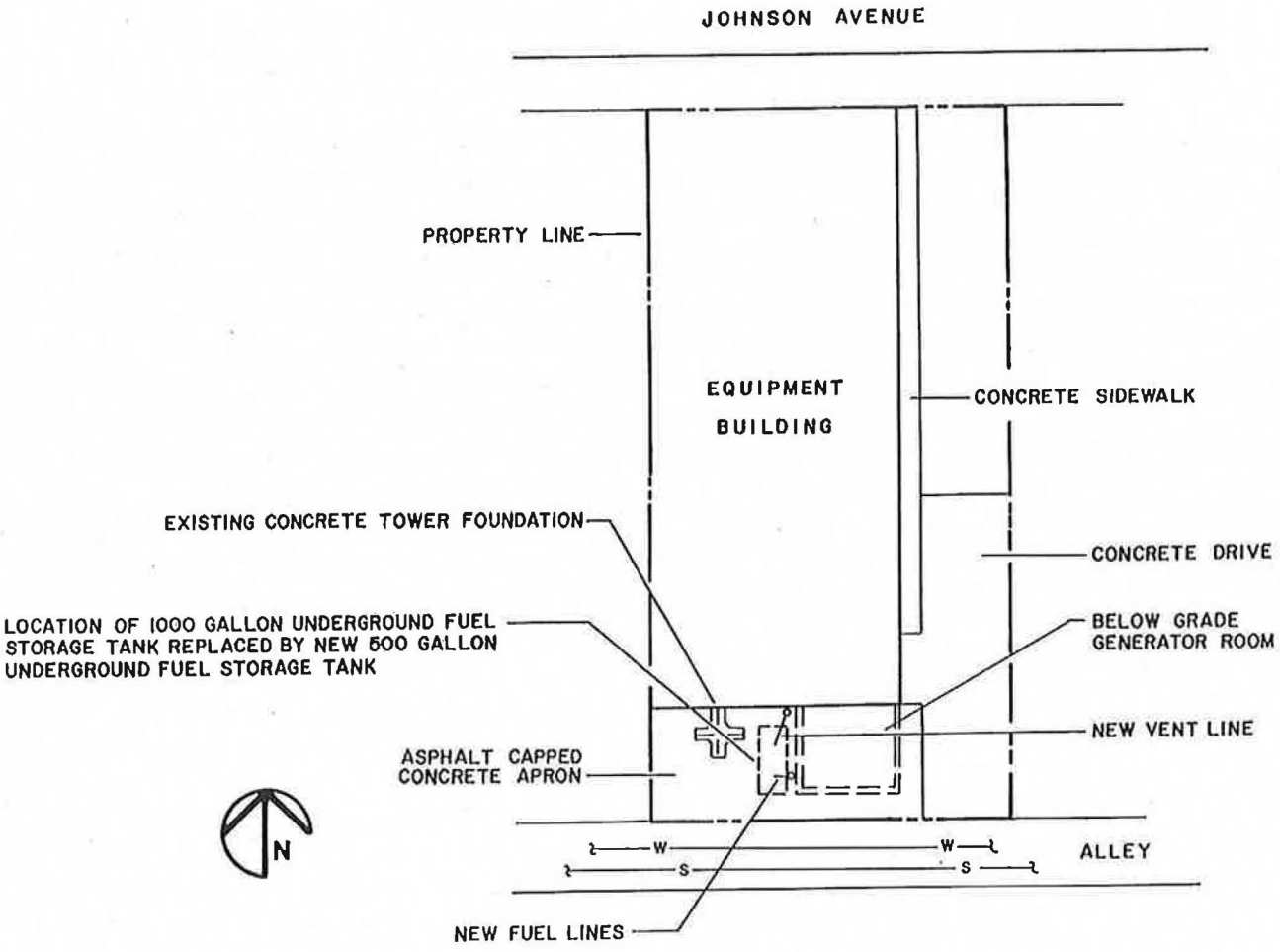
VICINITY MAP

CHELAN WASHINGTON

CENTRAL OFFICE BUILDING

GTE GTE Northwest Incorporated

20 September 89



Site Plan

CHELAN WASHINGTON

CENTRAL OFFICE BUILDING

2/3

GTE Northwest Incorporated

20 September 89

Northwest EnviroService Inc.

RECEIVED
MAY 19 REC'D
HERITAGE CONST.

Date: May 2, 1989

To: Heritage Construction
12014 - 20th St. S.E.
Everett, WA 98204

Dear Sir:

This to certify that Northwest EnviroService, Inc. has received the following tanks for cleaning and disposal in accordance with all Federal, State and Local rules and regulations:

1. 1-1,000 gallon
2. _____
3. _____
4. _____
5. _____
6. _____

Date received: April 26, 1989

Date cleaned : April 27, 1989

Date of disposal: April 28, 1989

Location of tank origin: _____
G.T.E., Chelan, WA

If you have any questions or requests for service, feel free to contact this office at 622-1090.

Thank you for your business.

Sincerely,
Northwest EnviroService, Inc.

Thomas R. Gremel

Thomas R. Gremel

P.O. Box 24443 • Seattle, WA 98124 • Phone (206) 622-1090 • Toll Free 1-800-521-0714 / Ext. 190

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 8904-107

May 3, 1989

Applied Geotechnology, Inc.
P.O. Box 3885
Bellevue, WA 98009

Attention : Glen Bobnick

Project Number : 15169.008

Project Name : GTE/Chelan

On April 20, 1989 Analytical Technologies, Inc. received one soil sample for analysis. The sample was analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and the quality control data are enclosed.

Mary C. Silva
GC Chemist

Frederick W. Grothkopp
Technical Manager

FWG/nah

Analytical Technologies, Inc.

ATI I.D. # 8904-107

SAMPLE CROSS REFERENCE SHEET

CLIENT : APPLIED GEOTECHNOLOGY, INC.
PROJECT # : 15169.008
PROJECT NAME : GTE/CHELAN

ATI #	CLIENT DESCRIPTION	MATRIX	DATE SAMPLED
8904-107-1	2.008	SOIL	04/19/89

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ATI I.D. # 8904-107

ANALYTICAL SCHEDULE

CLIENT : APPLIED GEOTECHNOLOGY, INC.
PROJECT # : 15169.008
PROJECT NAME : GTE/CHELAN

ANALYSIS	TECHNIQUE	REFERENCE/METHOD
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED

Analytical Technologies, Inc.

ATI I.D. # 8904-107

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: APPLIED GEOTECHNOLOGY INC.	DATE SAMPLED	: N/A
PROJECT #	: 15169.008	DATE RECEIVED	: N/A
PROJECT NAME	: GTE/CHELAN	DATE EXTRACTED	: 04/22/89
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 04/22/89
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

Analytical Technologies, Inc.

ATI I.D. # 8904-107-1

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: APPLIED GEOTECHNOLOGY INC.	DATE SAMPLED	: 04/19/89
PROJECT #	: 15169.008	DATE RECEIVED	: 04/10/89
PROJECT NAME	: GTE/CHELAN	DATE EXTRACTED	: 04/22/89
CLIENT I.D.	: 2.008	DATE ANALYZED	: 04/22/89
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	15
HYDROCARBON RANGE	C12 - C24
HYDROCARBONS QUANTITATED USING	DIESEL

Analytical Technologies, Inc.

ATI I.D. # 8904-107

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: APPLIED GEOTECHNOLOGY INC.	DATE EXTRACTED	: 04/19/89
PROJECT NAME	: GTE/CHELAN	DATE ANALYZED	: 04/25/89
EPA METHOD	: 8015 MODIFIED	SAMPLE MATRIX	: SOIL
SAMPLE ID	: BLANK 4/19	UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	519	104	550	110	6

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Sample: S 8904 107.1 Channel: FID REAR-B Filename: 9FP00757
Acquired: 22-APR-89 19:07 Method: C:\MAX\DATA1\AUBTX Operator: AMC
Comments: DIESEL AND BTEX PROGRAM FOR DIESEL/BTXE STDS, MS, MSD, FPB, FPBM