03-11-231623
Del Monte Foods Plant #113

COPY

ALPHA TERRA
SCIENCE

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SEP 29 2000
ERS DIVISION

Alpha Terra Science, Inc.
1237 S. Pilgrim Road, Plymouth, WI 53073-4969
TEL 920/892-2444 FAX 920/892-2620
E-mail-alphaterra@excel.net

RECEIVED
JAN 14 2000
DNR
SOUTH CENTRAL REGION

The AREA TESTED in this Report is 500-600' WEST OF release previously identified in 03-11-231623
MPP
01/18/00

January 12, 2000

Mr. David Vogl
Del Monte Foods
600 N 15th Street
Rochelle, IL 61068

RE: Site Investigation Report, 25,000 Gallon Fuel Oil UST, Former Del Monte Foods Plant # 113, 622 E. Main Street, Arlington, WI

08/18/00 Spoke to Amy H. ABOUT 01/18/00 phone call. PUTRA CLARIFIED the 25,000 gal tank WAS NOT STARTED AS A CASE, BECAUSE OF low PVOCs. MPPutra

Dear Mr. Vogl:

Summary of Results and Recommendations

This letter report summarizes investigation activities that were completed at the above-referenced Del Monte facility in Arlington, WI. Two soil borings were advanced at the location of a former underground storage tank (UST) that contained fuel oil. Four soil sample were obtained for laboratory analysis of the WDNR-required parameters diesel range organics (DRO) and petroleum volatile organic compounds (PVOCs). The results indicate a slight detection of DRO is present (21 to 23 mg/kg) in the sandy tank backfill at a depth of approximately 11.5 feet below grade, but no PVOCs are present. Native soil beneath the UST backfill at a depth of approximately 17 feet at each location contained no detectable DRO or PVOCs.

Based on these results, a release notification form should be sent to the WDNR by the property owner (responsible party). Notification of the WDNR is required by the State of Wisconsin Spill Law. Alpha Terra Science can send a completed fax notification form to the WDNR upon your authorization. Attached to the notification form should be a copy of this report, which should allow the WDNR to provide immediate case closure for this portion of the property. Because the detections of DRO are very low, no PVOC compounds are present, the vertical extent of contamination has been defined, and groundwater does not appear to be at risk, Alpha Terra Science feels the WDNR should not require any further work be completed related to this portion of the property.

The letter report below provides details regarding the site investigation methods and findings.

Background Information

The former Del Monte Foods facility is located at 622 E Main Street, Arlington, WI (Figure 1). The property consists of approximately 80 acres. The property is being sold to a private entity which is expected to divide and develop the property.

The property was a former cannery which operated from the early 1920's until October 1998. Sauerkraut, peas, and corn were processed at the site prior to canning. The property consists of many buildings, several of which are shown on Figure 2. The purpose of this letter report is to document environmental investigation activities that have taken place on the western portion of the property adjacent to a former 25,000 gallon UST which contained fuel oil (Figure 2).

Other environmental investigation activities have been completed on other portions of the property, including an on-going LUST investigation (BRRTS # 03-11-231623) located approximately 500 feet east of the fuel oil UST, and an on-going agricultural chemical investigation and remediation (WDATCP # 99474050101) located approximately 850 feet east of the fuel oil UST.

The site also has two water supply wells in operating condition, the East Well and the West Well. The wells are completed at depths of approximately 725 feet, with casing cemented-in-place to depths of approximately 160 to 185 feet. The West Well is located approximately 60 feet northeast of the former fuel oil UST. A copy of the well log for the West Well is included in Attachment A. This well is expected to be properly abandoned upon sale of the site.

The East Well is expected to continue to be used, possibly as a municipal water supply well for the Village of Arlington. The presence of nitrates in the groundwater from this well may require additional testing and modification of the casing interval prior to use for the Village water supply.

Site Investigation Activities and Methods

Two soil borings (GP-14 and GP-15) were advanced to depths of approximately 17 feet below grade within the backfill of the former UST. The boring locations and soil chemistry laboratory analytical results are shown on Figure 3.

The borings were installed in the tank backfill, which primarily consisted of sand fill. A Geoprobe-type hydraulic push sampler was used to advance the boring, and a 4-foot long, 1.5-inch diameter sample tube was used to obtain soil samples. Individually dedicated sample tubes were used for each sample interval.

The recovered soil samples were described by a geologist on a field boring log form. Soil samples were retained for field photoionization detector evaluation by placing an approximately 50 / 50 mixture of air and soil in ziploc plastic bags. The samples were allowed to warm in a room kept at approximately 65 degrees Fahrenheit, and the headspace gasses in the bag were tested for volatile organic content using a Thermoenvironmental Instruments photo-ionization detector (PID) with a 10.2

eV lamp. The samples were analyzed within approximately one hour of obtaining the sample. The PID Results are included in Attachment A.

Two soil samples were obtained from each boring for laboratory analysis of DRO and PVOCs. The samples were obtained using appropriate WDNR-approved sampling methods, and the samples were analyzed by a licensed analytical laboratory, EN-CHEM, INC. of Green Bay. The analytical results are included in Attachment A.

Soil from selected intervals were retained immediately upon recovery for laboratory analysis. Soils for laboratory analysis were retained by placing approximately 25 to 35 grams of soil in a 4-ounce wide mouth jar provided by the laboratory. The quantity of soil was measured using individually-dedicated plastic syringes (approximately 13 cc's per sample). Two jars per sample interval were filled with soil; one was immediately placed in a cooler with ice, and the other was preserved with approximately 20 ml of methanol provided by the laboratory. A sample of soil was also placed in a plastic cup for measurement of the soil percent moisture.

Disposal vinyl gloves were worn during all sampling activities, with frequent changing of the gloves. Fresh gloves were worn during handling of the soil samples for laboratory analysis.

Investigation Results

The laboratory analytical results are summarized on Table 1 and mapped on Figure 3. The results indicate there has been a very slight release of fuel oil to the backfill of the former UST, however; no detectable concentration of any individual PVOC compounds are present. The native soils at depth indicate no contamination is present beyond the UST backfill.

The tank was a former 25,000 gallon UST containing fuel oil for supply to the site boiler. The tank was removed in 1987, and no closure assessment was completed at that time, as none was required. Site personnel did not recall any incidents when a release may have occurred, nor was there any recollection of any obvious contamination upon removal of the UST in 1987. The surface cover over the former tank is asphalt.

The tank was oriented north / south, with the tank fill pipe located on the south end of the tank. Standard dimensions for a 25,000 gallon UST are either 10.5 feet diameter by 38.75 feet or 12 foot diameter by 30 feet long. Assuming a burial depth of 3 feet, the base of the tank probably extended to a depth of 14 to 15 feet below grade.

The encountered soils support this evaluation, as yellow brown sand fill was present to a depth of 15 to 15.5 feet below grade in the two borings. The sand fill had no appearance or odor of petroleum contamination. The native soil beneath the UST backfill consists of very dense silty sand and gravel. The native material was difficult to drill, and refusal of the hydraulic push sampler occurred at a depth of 17.5 feet at each boring. The native material was pale yellow brown, nonplastic, cohesive, and moist but not wet.

Based on the well log for the West Supply Well (Attachment A), located 60 feet from the former UST, bedrock is present at a depth of approximately 40 feet below grade, and the unconsolidated deposits are classified as till.

The sand fill in the former UST backfill from a depth of approximately 11.5 feet to 15.5 feet was saturated. This water is felt to be perched water that has ponded in the UST backfill. The native soil below the sandy tank backfill did not appear saturated, even thought the material consisted of a silty sand and gravel material that would have appeared saturated if water were present. Based on a review of private water supply wells logs, the site supply wells, and information from the other on-site and near-site LUST and ACCP projects, the depth to the permanent water table surface in this area is estimated at 15 to 80 feet below grade. Water in the West supply well, located 60 feet northeast of the former fuel oil UST, is present at a depth of 160 feet below grade. During the drilling of this well, water was first noted at a depth of 114 feet below grade.

Based on WDNR site investigation and tank closure assessment guidance, the soil samples selected for laboratory analysis included the soil immediately above the perched water zone, and the native soils beneath the tank backfill.

The native soil samples beneath the tank contained no detectable concentration of DRO or any PVOCs. The sand fill immediately above the perched water contained DRO concentration of 21and 23 ppm, respectively; however, no individual PVOC compounds are present.

Based on these results, it appears some minor release of contamination occurred at the site. Based on the absence of contamination at depth and the low concentrations, it does not appear the contamination has migrated any significant distance from the former UST backfill.

The concentration of DRO in the sand fill is below the NR 700 Table 1 generic clean-up standard of 100 ppm for sandy soils, and the contaminated soil does not contain any PVOC compounds with concentrations above the NR 720 generic clean-up standards.

Conclusions

Based on the obtained field screening results, laboratory findings, and site conditions, it appears that no further action related to the former UST is necessary.

1. The source of the contamination, the tank, has been removed.

2. Soil chemistry laboratory analytical results indicate the remaining sand backfill contains very low levels of fuel oil contamination, with no compounds present above NR 720 generic soil clean-up standards.

3. Soil chemistry laboratory analytical results indicate the native soil beneath the tank backfill contains no detectable concentration of DRO or PVOCs.

4. Perched water was observed in the sand fill, but the native soils appear unsaturated. Clean soils are present in the base of the borings, which is felt to be above the permanent water table surface. Based on these results, it appears the contamination ends before the permanent water table surface has been encountered. Based on the absence of significant contaminant concentrations and the depth to groundwater, the residual soil contamination is not expected to be a threat to groundwater.

5. There are no potential receptors to the residual soil contamination. The contamination is present at depth (11 feet below grade) and is covered with asphalt, so inhalation, ingestion, and dermal contact are not exposure pathways of concern. The arguments presented above indicate groundwater is not particularly at risk. The nearby West Supply Well is located 60 feet to the northeast, and has cemented-in-place casing to a depth of more than 100 feet below grade. In addition, it is expected this well will be decommissioned shortly.

I hope this information meets your needs, and that case closure can be provided in relatively short order. Please contact me with any follow-up questions or comments you may have.

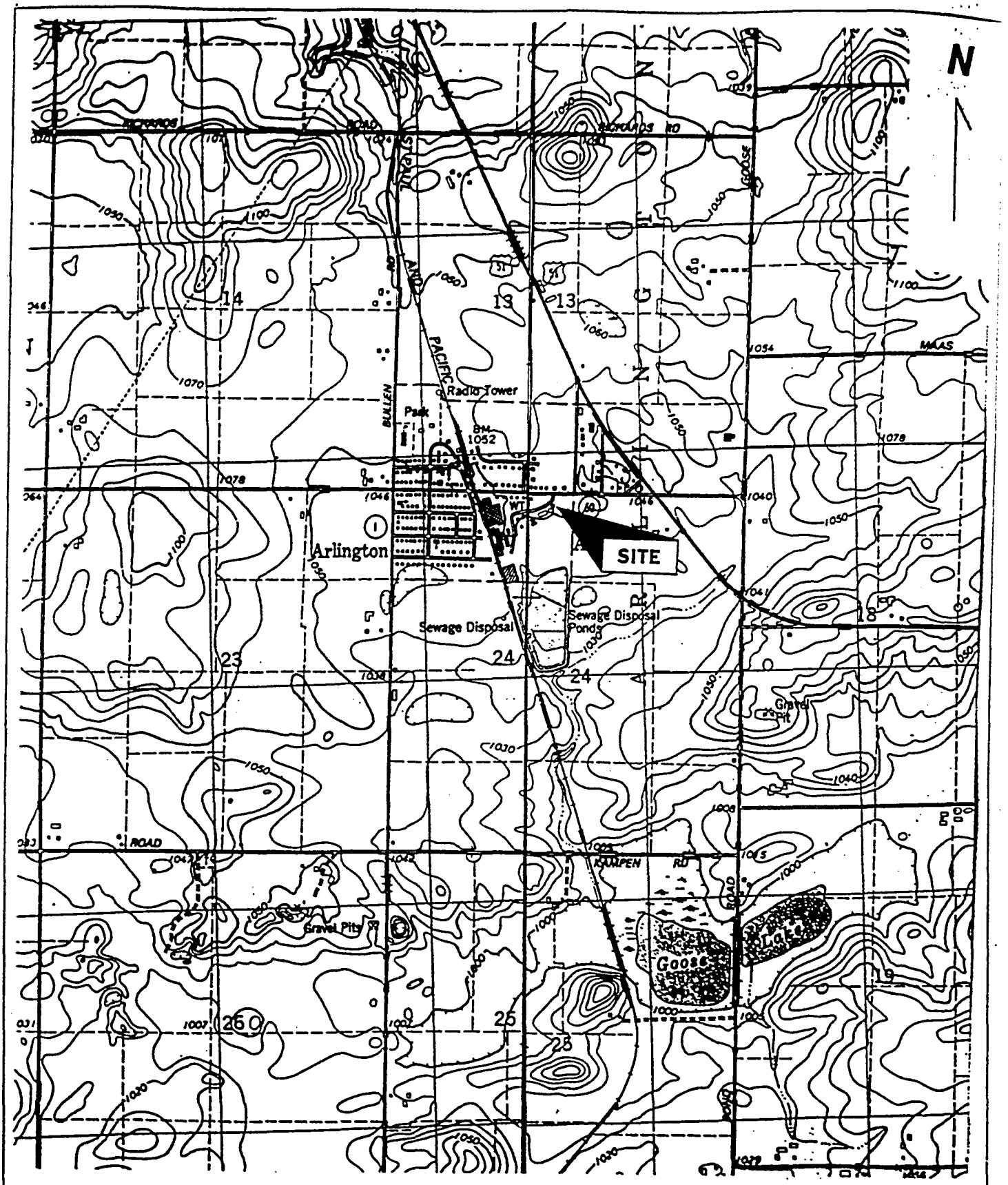
Sincerely,

Kendrick A. Ebbott

Kendrick A. Ebbott, P.G.
Senior Hydrogeologist

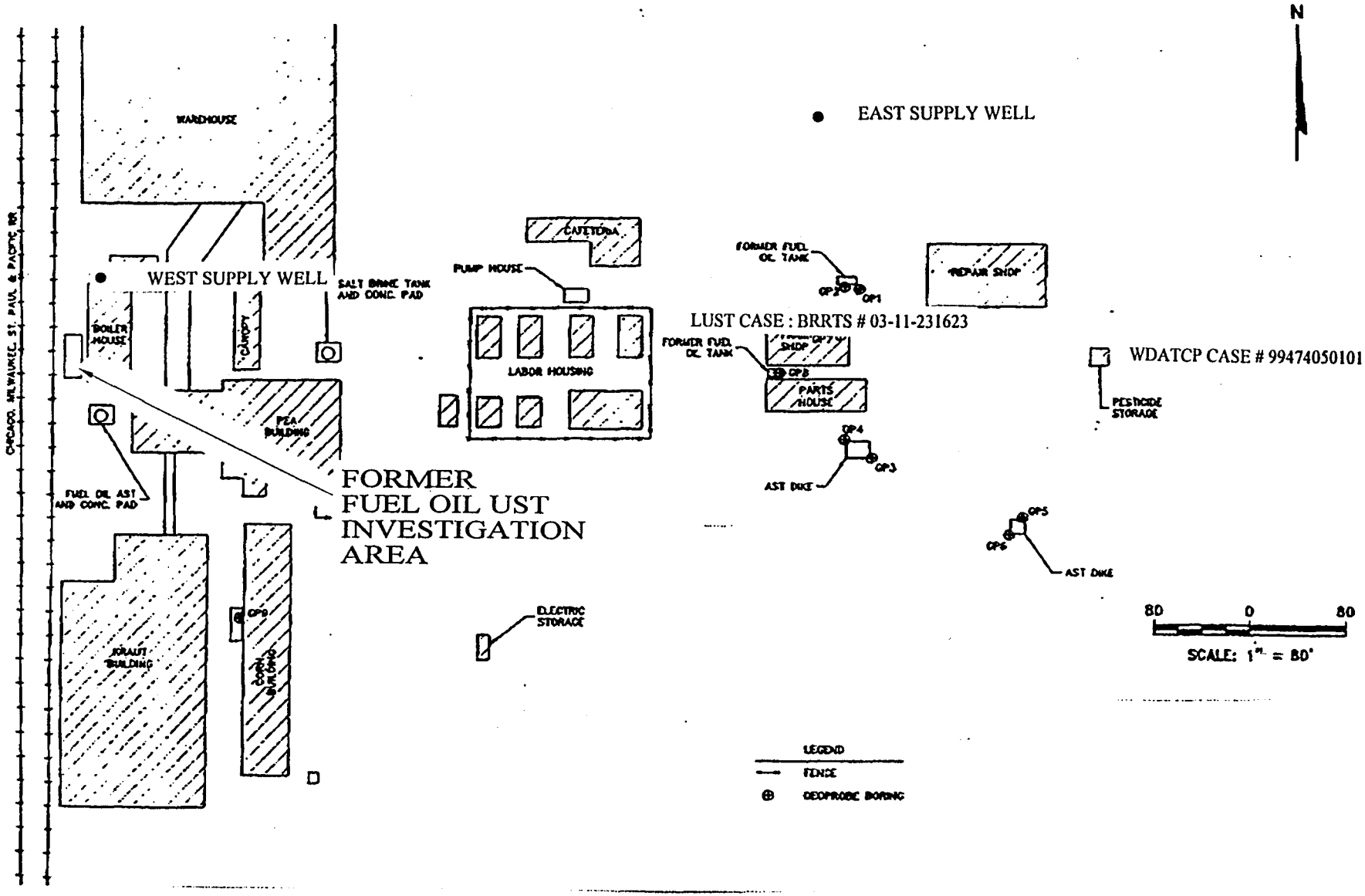
Attachments : Figure 1 : Site Location and Local Topography
Figure 2 : Site Layout and Investigation Location
Figure 3 : Boring Locations and Soil Chemistry Results
Table 1 : Soil Chemistry Results
Attachment A: Laboratory Analytical Results, Field PID Results, and Water Supply Well Log for West Supply Well

cc : Ms. Marilyn Jahnke, Program Administrator, WDNR South Central Region, 3911 Fish Hatchery Road, Fitchburg, WI 53711



NOTE : BASE MAP USGS 7.5' Morrisonville and Arlington Quadrangle, 1984

Title: **SITE LOCATION AND LOCAL TOPOGRAPHY**	ALPHA TERRA SCIENCE	
Project: SITE INVESTIGATION	SCALE: 1:24,000	DWG NO: FIGURE 1
Client: DEL MONTE FOODS, ARLINGTON, WI SITE	DRAWN BY: KAE	DATE: August 12, 1999



NOTE : MAP PREPARED BY BT2, MADISON, WI

Title:

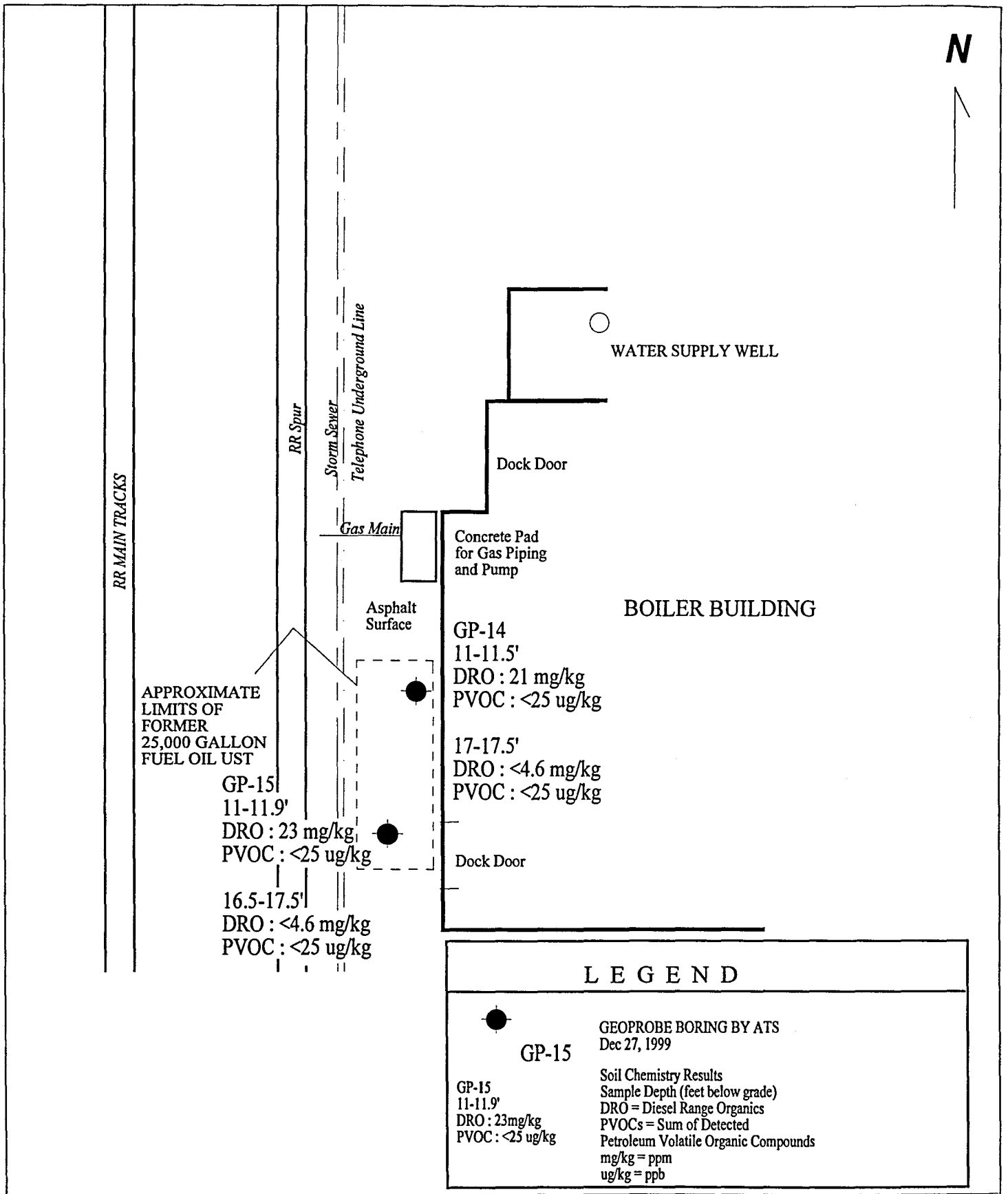
SITE LAYOUT AND INVESTIGATION LOCATION

Project: **FUEL OIL UST INVESTIGATION**

Client: **Del Monte Foods Canning Plant, Arlington, WI**

ALPHA TERRA SCIENCE

SCALE: See Figure	DWG NO: FIGURE 2
DRAWN BY: K A E	DATE: Jan 7, 2000



Title: **BORING LOCATIONS AND SOIL CHEMISTRY RESULTS**

Project: SITE INVESTIGATION: 25,000 Gallon Fuel Oil UST

Client: DEL MONTE FOODS, ARLINGTON, WI SITE

ALPHA TERRA SCIENCE

SCALE: 1" : 20'	DWG NO: FIGURE 3
DRAWN BY: KAE	DATE: Jan 7, 2000

TABLE 1 : SOIL CHEMISTRY RESULTS AT 25,000 GALLON FUEL OIL UST
Former Del Monte Foods Canning Plant, 622 E. Main Street, Arlington, WI
Sample Date: December 27, 1999

SOIL			LABORATORY ANALYTICAL RESULTS								
				Petroleum Volatile Organic Compounds (ug/kg)							
SAMPLE I.D.	DEPTH	FIELD PID	DRO	Benzene	Ethylben zene	Toluene	Xylenes	Methyl-t-butyl ether	124-Trimethyl benzene	135-Trimethyl benzene	Total PVOCs
	(feet)	(s.u.)	(mg/kg)								
WI ADMIN CODE NR 720 Generic Standards			100 / 250**	5.5	2,900	1,500	4,200	NS	NS	NS	NS
GP-14, North Boring, Tank Sand Fill just above Perched Water	11-11.5	0.9	21.0	<25	<25	<25	<50	<25	<25	<25	0.0
GP-14, North Boring, Native Soil	17-17.5	1.0	<4.6	<25	<25	<25	<50	<25	<25	<25	0.0
GP-15, South Boring, Tank Sand Fill just above Perched Water	11-11.9	0.9	23.0	<25	<25	<25	<50	<25	<25	<25	0.0
GP-15, South Boring, Native Soil	16.5-17.5	0.9	<4.0	<25	<25	<25	<50	<25	<25	<25	0.0
Trip Blank : Methanol	NA	NA	NA	<25	<25	<25	<50	<25	<25	<25	0.0

BOLD : Exceeds Generic Soil Standard
NA : Not Analyzed
NS : No Standard
Xylenes is sum of m, p, and o xylene.
** : Generic Standard for Soils with Hydraulic Conductivity Greater than 10^{-6} cm / sec (100), and less than 10^{-6} (250)

ATTACHMENT A

SOIL CHEMISTRY LABORATORY
ANALYTICAL RESULTS

FIELD PID FORMS

PRIVATE WATER SUPPLY WELL LOG : WEST SUPPLY WELL

(Please Print Legibly)
Company Name: ALPHA TERRA
Branch or Location: PLYMOUTH
Project Contact: KEN EBBOTT
Telephone: 920 892 2444
Project Number: DLM 9903
Project Name: Del MONTE
Project State: WI
Sampled By (Print): KEN EBBOTT

Data Package Options (please circle if requested)

QC Summary	Surcharge	Site-Specific QC Required?
EnChem Level II	Std. Delivery	Yes No
EnChem Level III	10% (min. $50)	(If yes, indicate QC sample and submit triplicate volume.)
EnChem Level IV	25% (min. $100)	

EN CHEM INC.

☒ 1241 Bellevue St., Suite 9, Green Bay, WI 54302, 920-469-2436 • 1-800-736-2436, FAX 920-469-8827
☐ 525 Science Drive, Madison, WI 53711, 608-232-3300 • 1-888-536-2436, FAX: 608-233-0502
☐ 1423 N. 8th Street, Suite 122, Superior, WI 54880, 715-392-5844 • 1-800-837-8238, FAX 715-392-5843

CHAIN OF CUSTODY

49164

Page 1 of 1
P.O. #: ____ Quote #: ANNUAL
Mail Report To: KEN EBBOTT
Company: ALPHA TERRA
Address: 1237 S. PILGRIM RD, PLYMOUTH, WI 53073
Invoice To: DEL MONTE FOODS
Company: c/o ATS
Address:
Mail Invoice To:

*Preservation Codes: A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	COLLECTION TIME	DRO	PVOC + Naphthalene	MATRIX	COMMENTS	TOTAL BOTTLES (Lab Use Only)
001	GP-14 11-11.5'	12-27	12:45	X	X	SAND	Above Water, FILL	1-50z 1-20z 1-20zM
002	GP-14 17-17.5'		13:00	X	X	Sol/Gr-1	Native Soil, MOIST	
003	GP-15 11-11.9'		13:15	X	X	SAND	ABOVE WATER, FILL	
004	GP-15 16.5-17.5'		13:30	X	X	Sol/Gr-1	NATIVE, MOIST	
005	TRIP BLANK				X			1-40ml M

~~PLEASE SAVE FOR PROJ. BUT DO NOT RUN. HOLD SAMPLES FOR FUTURE ANALYSIS IF REQUESTED~~

Turnaround Time Requested (TAT) (circle): Std (10 Bus. Days) Rush
(Rush TAT subject to approval/surcharge)
Quick Turn Number:
Date Needed:
Transmit Rush Results by (circle): Phone Fax
Phone #:
Fax #:

Samples on HOLD are subject to special pricing and release of liability

Std. TAT	Surcharge
1 day	3.0x
2 day	2.0x
3 day	1.5x
4 day	1.4x
5 day	1.3x

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	12.29.99 :55	[signature]	12/29/99 9:55 Rot
[signature]	12/29/99 1500	[signature]	12/29/99 15:00

En Chem Project No.: 897947
Sample Receipt Temp.: ROT
Sample Receipt pH (Wet/Metals):
Custody Seal:

EN CHEM INC.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
FAX: 920-469-8827

- Analytical Report -

Project Name : DEL MONTE

Project Number : DLM 9903

WI DNR LAB ID : 405132750

Client: ALPHA TERRA SCIENCE

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
897947-001	GP-14 11-11.5'	12/27/99			
897947-002	GP-14 17-17.5'	12/27/99			
897947-003	GP-15 11-11.9'	12/27/99			
897947-004	GP-15 16.5-17.5'	12/27/99			
897947-005	TRIP BLANK	12/27/99			

Please visit our Internet homepage at: www.encheminc.com

The "Q" flag is present when a parameter has been detected below the LOQ. This indicates the results are qualified due to the uncertainty of the parameter concentration between the LOD and the LOQ.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

G. Duranceau — 1/5/2000

Approval Signature — Date

En Chem Inc.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
Fax: 920-469-8827

Lab#:	TestGroupID:	Comment:
897947-001	DRO-S	Hump was present late in chromatogram.
GP-14 11-11.5'		
897947-003	DRO-S	Hump was present late in chromatogram.
GP-15 11-11.9'		

En Chem Inc.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
Fax: 920-469-8827

- Analytical Report -

Project Name : DEL MONTE

Project Number : DLM 9903

Field ID : GP-14 11-11.5'

Lab Sample Number : 897947-001

WI DNR LAB ID : 405132750

Client : ALPHA TERRA SCIENCE

Report Date : 1/4/00

Collection Date : 12/27/99

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Solids, percent	87.9				%		12/30/99	SM2540G	SM2540G	DJB

Organic Results

Preservation Date : 12/30/99

DIESEL RANGE ORGANICS - SOIL **Prep Method:** Wi MOD DRO **Prep Date:** 12/30/99 **Analyst:** DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	21			4.6	mg/kg		12/30/99	Wi MOD DRO
Blank spike	85			50	%Recov		12/30/99	Wi MOD DRO
Blank spike duplicate	83			50	%Recov		12/30/99	Wi MOD DRO
Blank	< 5.0			5.0	mg/kg		12/30/99	Wi MOD DRO

Organic Results

PVOC + NAPHT - METHANOL PRESERVED SOIL **Prep Method:** SW846 5030B **Prep Date:** 12/30/99 **Analyst:** MSB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	105				%Recov		1/3/00	MOD 8021B
Benzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Ethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Methyl-tert-butyl-ether	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Naphthalene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Toluene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,3,5-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,2,4-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylenes, -m, -p	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylene, -o	< 25	25	60		ug/kg		1/3/00	MOD 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

En Chem Inc.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
Fax: 920-469-8827

- Analytical Report -

Project Name : DEL MONTE

Project Number : DLM 9903

Client : ALPHA TERRA SCIENCE

Field ID : GP-14 17-17.5'

Report Date : 1/4/00

Lab Sample Number : 897947-002

Collection Date : 12/27/99

WI DNR LAB ID : 405132750

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Solids, percent	92.7				%		12/30/99	SM2540G	SM2540G	DJB

Organic Results

Preservation Date : 12/30/99

DIESEL RANGE ORGANICS - SOIL Prep Method: Wi MOD DRO Prep Date: 12/30/99 Analyst: DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 4.6			4.6	mg/kg		12/30/99	Wi MOD DRO
Blank spike	85			50	%Recov		12/30/99	Wi MOD DRO
Blank spike duplicate	83			50	%Recov		12/30/99	Wi MOD DRO
Blank	< 5.0			5.0	mg/kg		12/30/99	Wi MOD DRO

Organic Results

PVOC + NAPHT - METHANOL PRESERVED SOIL Prep Method: SW846 5030B Prep Date: 12/30/99 Analyst: MSB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	104				%Recov		1/3/00	MOD 8021B
Benzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Ethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Methyl-tert-butyl-ether	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Naphthalene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Toluene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,3,5-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,2,4-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylenes, -m, -p	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylene, -o	< 25	25	60		ug/kg		1/3/00	MOD 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

En Chem Inc.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
Fax: 920-469-8827

- Analytical Report -

Project Name : DEL MONTE

Project Number : DLM 9903

Client : ALPHA TERRA SCIENCE

Field ID : GP-15 11-11.9'

Report Date : 1/4/00

Lab Sample Number : 897947-003

Collection Date : 12/27/99

WI DNR LAB ID : 405132750

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Solids, percent	94.5				%		12/30/99	SM2540G	SM2540G	DJB

Organic Results

Preservation Date : 12/30/99

DIESEL RANGE ORGANICS - SOIL Prep Method: Wi MOD DRO Prep Date: 12/30/99 Analyst: DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	23			5.1	mg/kg		12/30/99	Wi MOD DRO
Blank spike	85			50	%Recov		12/30/99	Wi MOD DRO
Blank spike duplicate	83			50	%Recov		12/30/99	Wi MOD DRO
Blank	< 5.0			5.0	mg/kg		12/30/99	Wi MOD DRO

Organic Results

PVOC + NAPHT - METHANOL PRESERVED SOIL Prep Method: SW846 5030B Prep Date: 12/30/99 Analyst: MSB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	105				%Recov		1/3/00	MOD 8021B
Benzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Ethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Methyl-tert-butyl-ether	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Naphthalene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Toluene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,3,5-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,2,4-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylenes, -m, -p	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylene, -o	< 25	25	60		ug/kg		1/3/00	MOD 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

En Chem Inc.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436
800-7-ENCHEM
Fax: 920-469-8827

- Analytical Report -

Project Name : DEL MONTE

Project Number : DLM 9903

Field ID : GP-15 16.5-17.5'

Lab Sample Number : 897947-004

WI DNR LAB ID : 405132750

Client : ALPHA TERRA SCIENCE

Report Date : 1/4/00

Collection Date : 12/27/99

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analys
Solids, percent	93.3				%		12/30/99	SM2540G	SM2540G	DJB

Organic Results

Preservation Date : 12/30/99

DIESEL RANGE ORGANICS - SOIL Prep Method: Wi MOD DRO Prep Date: 12/30/99 Analyst: DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 4.0			4.0	mg/kg		12/30/99	Wi MOD DRO
Blank spike	85			50	%Recov		12/30/99	Wi MOD DRO
Blank spike duplicate	83			50	%Recov		12/30/99	Wi MOD DRO
Blank	< 5.0			5.0	mg/kg		12/30/99	Wi MOD DRO

Organic Results

PVOC + NAPHT - METHANOL PRESERVED SOIL Prep Method: SW846 5030B Prep Date: 12/30/99 Analyst: MSB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	105				%Recov		1/3/00	MOD 8021B
Benzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Ethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Methyl-tert-butyl-ether	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Naphthalene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Toluene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,3,5-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
1,2,4-Trimethylbenzene	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylenes, -m, -p	< 25	25	60		ug/kg		1/3/00	MOD 8021B
Xylene, -o	< 25	25	60		ug/kg		1/3/00	MOD 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

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Fax: 920-469-8827

- Analytical Report -

Project Name : DEL MONTE

Project Number : DLM 9903

Field ID : TRIP BLANK

Lab Sample Number : 897947-005

WI DNR LAB ID : 405132750

Client : ALPHA TERRA SCIENCE

Report Date : 1/4/00

Collection Date : 12/27/99

Matrix Type : METHANOL

Organic Results

PVOC + NAPHT METHANOL — Prep Method: SW846 5030B — Prep Date: 12/30/99 — Analyst: MSB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	104				%Recov		1/3/00	MOD 8021B
Benzene	< 25	25	60		ug/l		1/3/00	MOD 8021B
Ethylbenzene	< 25	25	60		ug/l		1/3/00	MOD 8021B
Methyl-tert-butyl-ether	< 25	25	60		ug/l		1/3/00	MOD 8021B
Naphthalene	< 25	25	60		ug/l		1/3/00	MOD 8021B
Toluene	< 25	25	60		ug/l		1/3/00	MOD 8021B
1,3,5-Trimethylbenzene	< 25	25	60		ug/l		1/3/00	MOD 8021B
1,2,4-Trimethylbenzene	< 25	25	60		ug/l		1/3/00	MOD 8021B
Xylenes, -m, -p	< 25	25	60		ug/l		1/3/00	MOD 8021B
Xylene, -o	< 25	25	60		ug/l		1/3/00	MOD 8021B

Site: Del Monte Arlington

Project No: DLM 9902

Date: Dec 27, 1999

Personnel: K. Ebbott

Meter No: TER 580B

Probe eV: 10.6 eV

FIELD PID DATA FORM

Sample Number	Location	Depth (ft.)	Sample Media (1)	Moisture (2)	Time Sample Collected	Time Sample Analyzed	Volatilization Period Air Temp (C)	PID Readings (ppm) Background	PID Readings (ppm) Peak Response	Comments
6P-14	NORTH FUEL OIL	0-2	SANDFILL	M	12:40	14:10	60°F	0.0	1.1	
		2-4	"	"	12:41			0.0	0.9	
		4-6	"	"	12:42			0.0	1.0	
		6-8	"	"	12:43			0.0	0.9	
		8-11	"	"	12:48			0.0	1.0	
		11-11.5	"	"	12:47			0.0	0.9	LAB
		11.8-12	"	W	12:51			0.0	1.0	
		12-15.5	"	W	12:55			0.0	1.0	
		15.5-16	"	W	12:56			0.0	1.0	
		17-17.5	Dark Sd/Cl	M	13:00	14:20		0.0	1.0	LAB
6P-15	SOUTH	1-4	Sand Fill	M	13:10	14:21		0.0	0.9	
	FUEL	4-6	"	M	13:12			0.0	1.0	
	OIL	6-8	"	M	13:11			0.0	0.9	
		8-11	Clay	M	13:15			0.0	1.0	
		11-11.9	Sand Fill	M	13:14			0.0	0.9	LAB
		12-15	Sd/Cl Fill	W	13:24			0.0	0.9	
		15.2-16	Water Sd/Cl	M	13:22			0.0	0.9	NATIVE
		16.5-17.5	NATIVE		13:28	14:26		0.0	0.9	LAB

(1) SO - Soil
SD - Sediment
GW - Ground Water
SW - Surface Water
WS - Waste (Solid)
WL - Waste (Liquid)

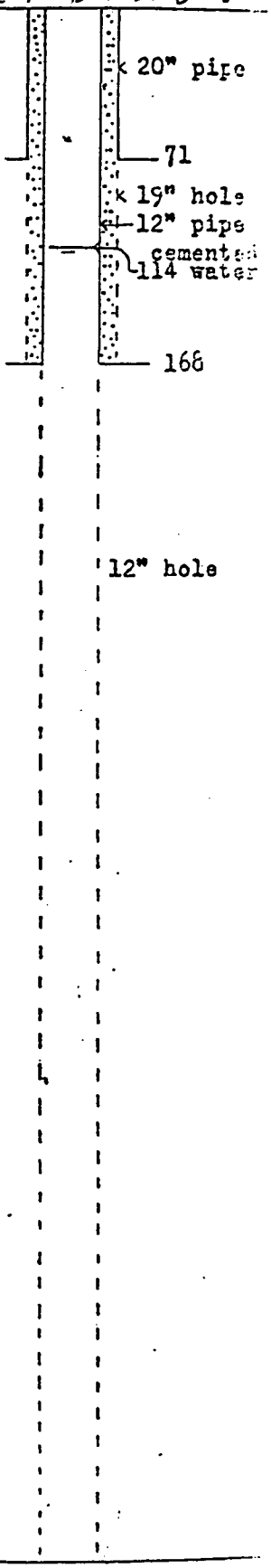
(2) D - Dry
M - Moist
W - Wet
S - Saturated

CALIFORNIA PACKING CORPORATION WELL, ARLINGTON, WIS. (3) Lo - 47

McCarthy Well Co., Contractors; drilling completed April 24, 1[illegible]
Samples examined by F. T. Thwaites, Nos. 110191-110340
SW¼, NE¼, NW¼, sec. 24, T.10N., R.9E.
Altitude = 1060' ETM

~~South~~ West well - in boiler building ?

DRIFT		0-40	40	Till, gray to yellow-gray, top leached
		40-53	13	Till, like above but much residual clay
		53-55	2	Chert, gray; sand, residual
	68	55-68	13	Clay, gray, yellow, red, green, dolomitic
TREMP		68-80	12	Sandstone, fine, light gray, dolomitic, qtz.
		80-105	25	Sandstone, fine, light gray
		105-118	13	Siltstone, sandy, yellow-gray, dolomitic
		118-125	7	Siltstone, pink, dolomitic
	72	125-140	15	Siltstone, yellow-gray, dolomitic
FRANCONIA		140-180	40	Sandstone, fine, yellow-gray, dolomitic, glauconitic
		180-190	10	Sandstone, fine to medium, yel-gray, dol.
		190-205	15	Sandstone, fine, yellow-gray, dolomitic
		205-230	25	Sandstone, medium to fine, yellow-gray, dolomitic, glauconitic
		230-250	20	Sandstone, fine to medium, gray, dol., glauc.
		250-255	5	Sandstone, coarse to fine, gray
		255-260	5	Sandstone, medium to fine, white
	135	260-275	15	Sandstone, coarse to fine, light gray
DRESBACH		275-440	165	Sandstone, medium to fine, white
		440-450	10	Sandstone, medium to fine, light gray, dol.
		450-460	10	Sandstone, fine to medium, white
		460-470	10	Sandstone, fine to medium, white, some pink
		470-585	115	Sandstone, medium to fine, white
		585-590	5	Sandstone, medium to fine, lt.gray, dolomitic
		590-615	25	Sandstone, medium to fine, white
		615-625	10	Sandstone, medium to coarse, light gray
		625-635	10	Sandstone, medium to fine, white
		635-645	10	Sandstone, fine to medium, light gray
		645-665	20	Sandstone, medium to fine, light gray
		665-675	10	Sandstone, very fine to medium, light gray
		675-680	5	Sandstone, fine to medium, white
		680-685	5	Sandstone, fine to coarse, light gray
		685-700	15	Sandstone, fine, light gray
		700-705	5	Sandstone, coarse to fine, light gray
	462	705-717	12	Sandstone, fine to medium, light gray
		717-737	20	Sandstone, fine to coarse, red, pink



Formations: Drift (includes residual deposits); Trempealeau; Franconia (formerly Mazomanie); Dresbach (Galesville including Eau Claire and Mt. Simon)
Tested at 860 g.p.m. specific capacity = 18.7 g.p.m.