

December 4, 1991

MR DON BARGE  
1930 SE MINTER BRIDGE ROAD  
HILLSBORO OR 97123

Re: Griffith Polymers  
File No. 34-89-290

Dear Mr. Barge:

The Department of Environmental Quality has completed its review of the reports dated December 17, 1990, and February 22, 1991, regarding the tank decommissioning located at 1930 SE Minter Bridge Road, Hillsboro, Oregon. The Department has determined that the cleanup appears to have met the requirements of the Oregon Administrative Rules (OAR) 340-122-205 through 340-122-360 and that no further action is required at this time.

This determination is a result of our evaluation and judgement based on the regulations and facts as we now understand them, including:

1. One-1000 gallon gasoline underground storage tank (UST) was excavated.
2. Approximately 200 cubic yards of contaminated soil were removed from the excavation and aerated onsite. Using the random sampling method described in EPA manual SW-846, nine confirmatory soil samples were collected from the aerating soil and analyzed for Total Petroleum Hydrocarbons (TPH) for gasoline. All sampling results were below the method reporting limit of 10 parts per million (ppm). These results are below the most stringent cleanup level of 40 ppm for gasoline.
3. Four composite soil samples were taken from the bottom and three sides of the excavation after contamination was removed. Analysis by EPA method 418.1 indicated 63 ppm of petroleum hydrocarbons in one sample and None Detected above the analytical detection limit of 10 ppm in the other three samples. These results are below the Matrix cleanup level II of 80 ppm for gasoline contamination which was established for this site. Although composite samples are usually not accepted as confirmatory soil samples, the site sketch, along with the laboratory results, suggest that the contaminated soil was removed and the excavation cleaned up according to the Department's requirements.



811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696

MR DON BARGE  
December 4, 1991  
Page Two

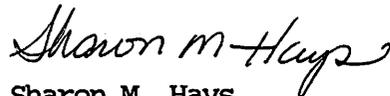
4. Additional soil sampling was conducted approximately 4 feet west of the excavation under an adjacent building. Soil samples on the west side of the excavation had not been previously collected. Three soil samples were collected from a single test pit at depths of 8', 12' and 15' and analyzed by DEQ method TPH-G. The results indicate None Detected above the method reporting limit of 25 ppm. This is below the most stringent cleanup level of 40 ppm for gasoline.
5. Groundwater was not encountered in the excavation.

The Department's determination will not be applicable if new or undisclosed facts show that the cleanup does not comply with the referenced rules. The Department's determination also does not apply to any conditions at the site other than the release of the petroleum product specifically addressed in the report. We recommend that a copy of this information be kept with the permanent facility records.

Please note that pursuant to OAR 340-122-360(2), a copy of your report must be retained until ten (10) years after the first transfer of the property.

Your efforts to comply with the regulations to ensure that your facility has been adequately cleaned up has been appreciated. Should you have any questions, please feel free to contact me at (503) 229-5245.

Sincerely,



Sharon M. Hays  
UST Cleanup Specialist  
Northwest Region

cc: UST Cleanup Section-ECD  
Cascade Earth Sciences, Ltd.  
3425 Spicer Drive  
Albany OR 97321  
Attn: Horst Gudemann



General Information

- Pocket of contamination left in place
- Pocket sampled
- Highest Concentration \_\_\_\_\_ ppm
- Size and extent of the pocket described/defined
- Volume of remaining contamination \_\_\_\_\_ yd<sup>3</sup>

- N/A Matrix check list enclosed
- Y Matrix Scoresheet enclosed
- Y Analytical results for all sampling enclosed
- Y Test methods appropriate - *for 1989*
- Y Chain-of-custody forms enclosed
- Y Site sketch enclosed w/sample locations marked *missing*  
    # 2567 (3110 ppm) or # 2568 (2300 ppm) @ 8'
- NO Soil permit addendum or soil disposal documentation enclosed
- Onsite treatment - *same address 200 CY*
- Offsite treatment
- Site address \_\_\_\_\_
- Offsite disposal?
- Disposal location \_\_\_\_\_
- Volume of soil excavated 200 cu. yds.
- NO Tank disposal documentation enclosed
- Disposal Location \_\_\_\_\_
- NO ~~YES~~ Product, waste water, and sludge (circle appropriate material) disposal receipts enclosed
- Disposal location(s) \_\_\_\_\_

Additional information to request:

*Pegasus*  
West side of ovc. not sampled. Other 3 sides & bottom = composite  
Samples = 418.1; soil gas test holes 1-4: #1 @ 12' = 600 ppm - Rest  
= trace or NID

*CEB*  
collected 3 samples 8' 12' 15' 4' west of western edge  
of excavation where Pegasus had not sampled.  
15' = 16 ppm TPH-6  
Soil samples collected from test holes 2, 3, 4 = NIS w/  
25 MRL method reporting limit - ppm.



Cascade Earth Sciences, Ltd.

L T D.

3425 Spicer Drive - Albany, Oregon 97321 - (503) 926-7737 - FAX (503) 926-7758

October 24, 1991

Dept. of Environmental Quality  
**RECEIVED**  
OCT 28 1991

Timothy R. Todd  
Department of Environmental Quality  
Northwest Region  
811 S.W. 6th Avenue  
Portland, Oregon

NORTHWEST REGION

**RE: GRIFFITH POLYMERS, SOIL AERATION CLOSURE REPORT;**  
**FILE No: 34-89-290**

Dear Tim,

This letter is intended as a closure report for the aeration of gasoline contaminated soils at above referenced site.

Following excavation and decommissioning of gasoline underground storage tanks (USTs) at above site, contaminated soils were stored on plastic liner for on site cleanup. As previously described (letter dated July 3, 1991), the soils have been aerated, since approximately the middle of May of this year. Rototilling of the soils commenced in late July and was done on a weekly basis until October 17, 1991.

One round of soil sampling was done in May to assess contaminant concentrations in the soils. The soil samples had been collected randomly and were evaluated on a statistical basis. At the time, the results showed, that while most of the soils met the cleanup requirements, portions of the soil were still significantly above the target cleanup level of 80 ppm for gasoline contaminated soils.

A second round of soil samples was collected on October 10, 1991 by Jerry Donner from Griffith Polymer. The sampling method was directly based on the random sampling method described in EPA manual SW-846. A grid was placed on the soil pile. The nodes of the grid constituted all potential sampling points. The actual sample locations in the pile were determined by a random number generator. The objective was an 80% confidence interval for samples to be below the applicable cleanup level.

Instructions as to the sampling locations, sampling methods and packaging and shipping were provided to Mr. Don Barge from Griffith Polymer. The instructions included detailed description of the sampling location, an instruction to remove the upper 2" - 3" of soil to prevent volatilization loss in the sample, and storage of the sample jars in an iced cooler

October 24, 1991  
Mr. Timothy Todd  
Page 2

immediately after sample collection. A chain of custody record had been partially prepared by **Cascade Earth Sciences, Ltd. (CES)**, but was unfortunately not completed by Jerry Donner. The incomplete chain of custody record was shipped together with the samples.

However, Don Barge from Griffith Polymer provided the information asked for in the chain of custody records verbally to **CES** on October 23, 1991.

According to Don Barge, the samples were collected Thursday, October 10, 1991 and shipped Friday, October 11, 1991 to **BTEX Analytical**. Sample collection and packaging was performed by Jerry Donner, from Griffith Polymer. **BTEX Analytical** received the samples on Monday, October 14, 1991. The samples were analyzed October 17, 1991.

According to Don Barge, all instructions regarding the sampling and shipping procedures were followed meticulously. Copies of the laboratory report and chain of custody records are enclosed.

A total of nine (9) samples (G-S1 - G-S8), including one duplicate sample, were collected and shipped to **BTEX Analytical** for analysis. The samples were analyzed for total petroleum hydrocarbons according to method TPH-G. The method detection limit was 10 parts per million. Petroleum hydrocarbon concentrations in each of the samples, including the duplicate, were below the method detection limit. Surrogate recovery performed by the laboratory showed recovery rates ranging from a low of 97% to a high of 130%. The range is well within acceptable limits. Recovery rates for the surrogate were above 100% for 8 of the 9 analyses. This indicates that the results are on the conservative side and possibly lower.

The analytical results show that with an 80% confidence interval, all samples will have petroleum hydrocarbon concentrations below Level 1 cleanup standard of 40 ppm for gasoline. The site specific cleanup standard was Level 2 or 80 ppm. The actual results provide a considerable safety margin. It is therefore concluded that no further remediation is required and that the site can be closed.

Based on the analytical result and their statistical interpretation, **CES** would like to request notification by the Department of Environmental Quality that no further action is required on the site.

October 24, 1991  
Mr. Timothy Todd  
Page 3

Should you have any further questions in regards to the above, please do not hesitate to call me at your convenience.

Sincerely yours,

**CASCADE EARTH SCIENCES, LTD.**



Horst Gudemann  
Project Manager

HG:seb

att: Laboratory Results  
Chain of Custody  
cc: Don Barge  
CES file (1)  
PN: 901218  
Doc: 340.2

\*\*\*\*\* Analytical Report \*\*\*\*\*  
 \* BTEX Analytical Page 1 of 1 \*  
 \* 8725 SW White Pine Lane \*  
 \* Portland, OR 97225 (503) 297-1473 October 17, 1991 \*  
 \*\*\*\*\*

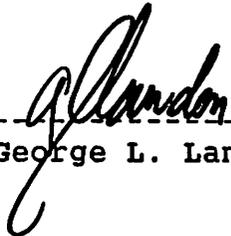
Prepared For: Cascade Earth Sciences, Ltd.  
 Contact: Horst Gudemann (503) 926-7737  
 Address: 3425 Spicer Drive Fax 926-7758  
 Albany, OR 973212

Project Name: Griffith Polymers  
 Project Number: 901218 P.O. #:  
 Date Sampled: unknown Date Received: 10-14-91  
 Date Analyzed: 10-17-91 Matrix: Soil

Total Petroleum Hydrocarbons (by Oregon's TPH-G)  
 \*\*\*\*\*

<u>Sample I.D.</u>	<u>T P H-G</u> (mg/Kg)	<u>Surrogate</u> <u>Recovery</u> (%)
2398/G-S1	<10	130
2399/G-S2	<10	108
2400/G-S3	<10	102
2401/G-S4	<10	97
2402/G-S5	<10	106
2403/G-S6	<10	109
Duplicate	<10	103
2404/G-S7	<10	105
2405/G-S8	<10	111

Lower  
 Reporting Limit 10

  
 -----  
 George L. Landen, Ph.D.

FAX: Griffith Polymers  
 Horst Gudemann, CES

OCT 31 1991



Cascade Earth Sciences, Ltd.

LTD.

3425 Spicer Rd.  
 Albany, OR 97321  
(503) 936-7737

P.O. Box 137  
 Corbett, OR 97019  
(503) 695-5760

P.O. Box 1514  
 LaGrande, OR 97850  
(503) 963-7758

Project # 901212  
P.O. # \_\_\_\_\_

### CHAIN OF CUSTODY

PROJECT NAME/NUMBER: <b>GRAFTH POLYMER 901218</b>	Sample Location:	REPORT TO: <b>HORT GUNDERSON</b>
--	------------------	-------------------------------------

DATE/TIME	SAMPLE TYPE	SAMPLE#	Cont. size	ANALYZE FOR	Preservative	REMARKS
	SOIL	G-51		TPH-G	NONE	2398
	SOIL	G-52		TPH-G	NONE	2399
	SOIL	G-53		TPH-G	NONE	2400
	SOIL	G-54		TPH-G	NONE	01
	SOIL	G-55		TPH-G	NONE	02
	SOIL	G-56		TPH-G	NONE	03
	SOIL	G-57		TPH-G	NONE	04
	SOIL	G-78		TPH-G	NONE	05

Samples collected by:	Samples prepared and packaged by:
-----------------------	-----------------------------------

Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Dispatched by (signature)	Date/Time	Received for lab by (signature)	Date/Time
		<i>Jack Sheet</i>	9:00 10-14-91

Method of shipment	Date/Time
--------------------	-----------

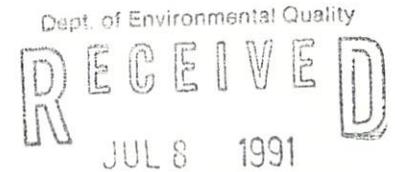


Cascade Earth Sciences, Ltd.

L T D.

3425 Spicer Drive - Albany, Oregon 97321 - (503) 926-7737 - FAX (503) 926-7758

July 3, 1991



NORTHWEST REGION

Timothy R. Todd  
Department of Environmental Quality  
Northwest Region  
811 S.W. 6th Avenue  
Portland, Oregon

**RE: GRIFFITH POLYMERS; SOIL AERATION; FILE No. 34-89-290**

Dear Tim:

This letter is intended as a quarterly progress report on the aeration of gasoline contaminated soils at above case site, as specified in your letter dated March 6, 1991.

The soils have been aerated since approximately the middle of May. Prior to this, the soils were covered by plastic sheeting to prevent penetration and runoff by rainwater. No rototilling of soils has been done since due to the high moisture content of the soils. However, with higher temperatures during the summer months, it is expected that rototilling will commence within the next couple of weeks and be performed on a weekly basis.

Soil samples were collected in May to assess the average concentration of petroleum hydrocarbons in the soil. Four samples (S1 - S4) were collected from statistical random locations in the pile. The samples were analyzed for total petroleum hydrocarbons according to the grandfathered 418.1 method, which had been used on all previous samples on the site. The analytical results show that most of the material contains TPH below the applicable Level 2 cleanup requirement, but that portions of the soil still contain hydrocarbons in excess of 80 parts per million (S1 - 21 ppm; S2 - 270 ppm; S3 - 10 ppm; S4 - 14 ppm). The mean concentration was 78.25 ppm, however, the upper limit of the 80% confidence interval was above the level 2 cleanup standard.

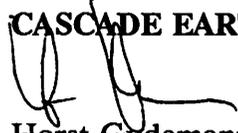
Soil aeration will be continued and another set of samples will be collected in early October to determine the progress of the aeration during the summer month.

July 3, 1991  
Timothy R. Todd  
Page 2

Should you have any questions in regards to the project, please do not hesitate to call me at your convenience.

Sincerely yours,

**CASCADE EARTH SCIENCES, LTD.**



Horst Gudemann  
Project Manager

HG:kjh

cc: Don Barge (1)

file (1)

PN: 911096

Doc. 296.2



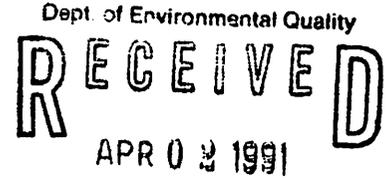
Cascade Earth Sciences, Ltd.

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P.O. Box 137  
Corbett, OR 97019  
(503) 695-5760

P.O. Box 1514  
LaGrande, OR 97850  
(503) 963-7758

March 27, 1991



Timothy R. Todd  
Department of Environmental Quality  
Northwest Region  
811 S.W. 6th Avenue  
Portland, Oregon

**RE: GRIFFITH POLYMERS; SOIL AERATION; FILE No. 34-89-290**

Dear Tim:

In response to DEQ's letter to Griffith Polymer dated March 6, 1991, this letter represents the first quarterly report on the status of the excavated soil currently stored on site.

**1. Final Disposal Location**

Following closure, the soil is intended to be disposed off at the site. The final cleanup goal of closure is therefore the Matrix Level 2 Cleanup standard for gasoline.

**2. Current Status**

The soil is currently stored on site on Visqueen liner. The pile is covered with liner to prevent penetration of rainwater and subsequent leakage of contaminated water from the pile. The soil has not been tested following removal from the excavation. The analytical results obtained during the first round of sampling (2,300 - 3,100 ppm) by Pegasus Environmental Management Services represent a worst case scenario. In reality, the average contamination of the soil stored on site is significantly lower than those maximum values, because large amounts of clean or almost clean soil are included, which could not be separated during the excavation process. Also, soils have already been aerated during the summer month of 1990, which has likely caused a significant reduction in petroleum hydrocarbon concentration.

### 3. Soil Aeration

It is planned to commence aeration of the soil pile as soon as the weather turns dry. The expected time period is between middle of April and middle of May. The pile is arranged in a rectangular with a maximum thickness of 1 foot. The pile will be periodically tilled to expose all portions of the pile to the atmosphere. Because the contaminating substance is gasoline, and therefore volatile, it is expected that the cleanup will be completed during the summer.

Samples will be collected periodically from selected locations for monitoring purposes. The samples will be tested for total petroleum hydrocarbons by EPA method 418.1. This portion of the sampling is not intended to demonstrate cleanup to DEQ, but only to determine, when the soils are sufficiently clean to implement a sampling program to demonstrate closure.

Because the method has been applied on previous sampling campaigns, CES considers it justified to continue using the method, instead of TPH-G, for the remainder of the project.

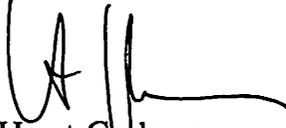
### 4. Closure Sampling

To demonstrate achievement of the cleanup objective of 80 ppm for the soils, sampling of the pile will be conducted on a statistical basis in accordance with EPA manual SW-846. Samples will be collected randomly from a grid on the pile. The analytical results from the tests will be statistically evaluated. The upper limit of the 80% confidence interval will be compared to the cleanup goal of 80 ppm. If the upper limit of the confidence interval is 80 ppm or less, the cleanup objective has been achieved.

The next report will be delivered by July 1, 1991. Should you have any questions or comments, please call me at your convenience.

Sincerely yours,

**CASCADE EARTH SCIENCES, LTD.**



Horst Gudemann  
Project Manager

HG:vs

cc: Don Barger  
File (1)

PN: 901218

DOC: 248.2

March 6, 1991

Mr. Don Barge  
Griffith Polymers  
PO Box 626  
Hillsboro, OR 97123

Re: UST-Washington County  
Griffith Polymers  
File No. 34-89-290

Dear Mr. Barge:

We have completed our review of the reports, dated December 17, 1990 and February 22, 1991 concerning the underground storage tank decommissioning and contaminated soil cleanup conducted at your facility located at 1930 SE Minter Bridge Road in Hillsboro, Oregon. This information indicates that the cleanup has met our requirements and that no further actions other than soil aeration are required for the site.

The reports also state that approximately 200 cubic yards of gasoline contaminated soil are undergoing treatment by aeration at the site. Please note that the target level for cleanup will be the Matrix Level 2 cleanup standard for gasoline of 80 ppm which was established for the site. If the soil is to be disposed of at an off-site location, it should meet the most stringent Matrix cleanup requirement of 40 ppm.

Since soil aeration is taking longer than three months, quarterly letter reports must be submitted to the Department updating us on the progress of the aeration. The quarterly reports must detail steps taken to enhance the aeration and describe your observations concerning the degree of contamination remaining. They should also contain the results of any soil sampling conducted. Please submit your first quarterly report by **April 1, 1991**.

Once the soils undergoing treatment have met our criteria, a final report must be submitted. The report must document the final disposal location of the soil and include representative soil sample analytical results. Our final review of the site will be conducted when the soil treatment report is received.

I have enclosed a form for a Permit Addendum for Petroleum Contaminated Soils Management. Please complete this form and return it by **March 20, 1991**.



811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696

Mr. Don Barge  
March 6, 1991  
Page 2

We are looking forward to receiving the soil aeration report(s) and closure of your site. If you have any questions concerning this matter, please call me at (503) 229-5634.

Sincerely,

*Timothy R. Todd*

Timothy R. Todd  
UST Cleanup Specialist  
Northwest Region

cc: UST Cleanup Section, ECD  
Cascade Earth Sciences  
3425 Spicer Drive  
Albany, OR 97321  
Attn: Mr. Horst Gudeman

February 22, 1991  
Don Barge  
Page 2

The field work was performed on January 28, 1991.

## **RESULTS**

Three soil samples (GP-S5A, GP-S5B, GP-S5C) were collected from borehole location #5 inside the main building (see figure 1). The borehole was placed approximately 4' inside the building, because the former excavation wall had been flush with the outside building wall. Soil samples were collected from 8', 12' and 15' below ground. The sampling depth was based on the depth of contamination as previously observed during the excavation activities. No water was encountered during the drilling and sampling activities.

The samples were collected in stainless steel tubes and immediately after recovery placed in a cooler at approximately 4 degrees Celsius. The samples were shipped to BTEX Analytical Laboratory for analysis for total recoverable petroleum hydrocarbons (TRPH) by EPA method 418.1. Two of the samples, GP-S5A and GP-S5B, collected at 8' and 12' below ground respectively, did not contain TRPH at or above the lower reporting limit of 10 ppm. Sample GP-S5C, which was collected at 15' below ground, contained 16 ppm total petroleum hydrocarbons.

The concentration is well below even the most stringent Level I soil matrix cleanup standard of 40 ppm for gasoline contaminated soils.

## **CONCLUSIONS**

Sampling and analysis of soil samples collected by CES in January, 1991, near the western wall of the former UST excavation, shows that residual contamination by petroleum hydrocarbons is substantially below the most stringent cleanup level for gasoline contaminated soils. Previous sampling by Pegasus Environmental Management Services on the other three sides and the bottom of the excavation had shown that residual petroleum hydrocarbon contamination in these areas had been removed below the site specific applicable cleanup level of 80 ppm for gasoline contaminated soils. It is therefore concluded, that no further cleanup action is required at this site.



Cascade Earth Sciences, Ltd.

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(503) 926-7737

PO Box 137  
Corbett, OR 97019  
(503) 695-5700

P.O. Box 1514  
Hillsboro, OR 97130  
(503) 963-7794

February 22, 1991

Don Barge  
Griffith Polymer  
P.O. BOX 626  
1930 SE Minter Bridge Road  
Hillsboro, Oregon 97123

Dept. of Environmental Quality  
**RECEIVED**  
FEB 25 1991

NORTHWEST REGION

**RE: SOIL SAMPLING AND ANALYSIS AT FORMER UST LOCATION**

Dear Mr. Barge:

This letter is intended to summarize the results of **Cascade Earth Sciences, Ltd. (CES)** soil sampling at the facility at 1930 S.E., Minter Bridge Road.

**BACKGROUND**

Pegasus Environmental Services had been contracted by Griffith polymer in October 1989 to decommission one 1,000 gallon underground storage tank (UST). The work was accomplished in November 1989. Analysis of soil samples collected immediately after decommissioning had shown a subsurface contamination by petroleum hydrocarbons. Additional soils were excavated to remove the contamination. The remaining soils were sampled on three of the four sides and on the bottom of the excavation on December 7, 1990. The results showed the contaminant concentration to be below the applicable regulated level of 80 parts per million (ppm) for the site. A soil gas survey and soil sampling conducted by **CES** for Pegasus Environmental beneath the adjacent buildings determined low petroleum hydrocarbon concentrations in the soil gas in the adjacent main building. The results were incorporated in an "Interim Progress Report Underground Storage Tank Removal" by Pegasus Environmental Management Services, Inc. dated March 16, 1990. The report was forwarded to Tim Todd from the northwest regional office of the Department of Environmental Quality in December 1990.

Based on the report and discussions between Tim Todd and **CES**, it was agreed to collect soil samples at different depth from the side of the former excavation, which borders the main building. Soils from this side of the excavation had apparently not been analyzed by Pegasus Environmental Management Services.

CASCADE EARTH SCIENCES LTD.

3425 Spicer Dr.  
ALBANY, OREGON 97321

Memo

LETTER

Phone 926-7737

Dept. of Environmental Quality

RECEIVED

FEB 25 1991

Date

2 - 22 - 1991

Subject

Griffith Aolymen

To

Tim Todd

NORTHWEST REGION

Dear Tim,  
enclosed please find the letter report with  
results of the soil sampling on the one side  
of the excavation, where Pegasus Environmental  
had not analyzed the soil sample.

Please reply

No reply necessary

SIGNED

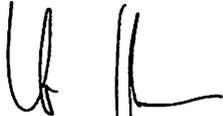


February 22, 1991  
Don Barge  
Page 3

A copy of this report has been mailed to the Department of Environmental Quality. Should you have any questions, please do not hesitate to call me at your convenience.

Sincerely yours,

**CASCADE EARTH SCIENCES, LTD.**

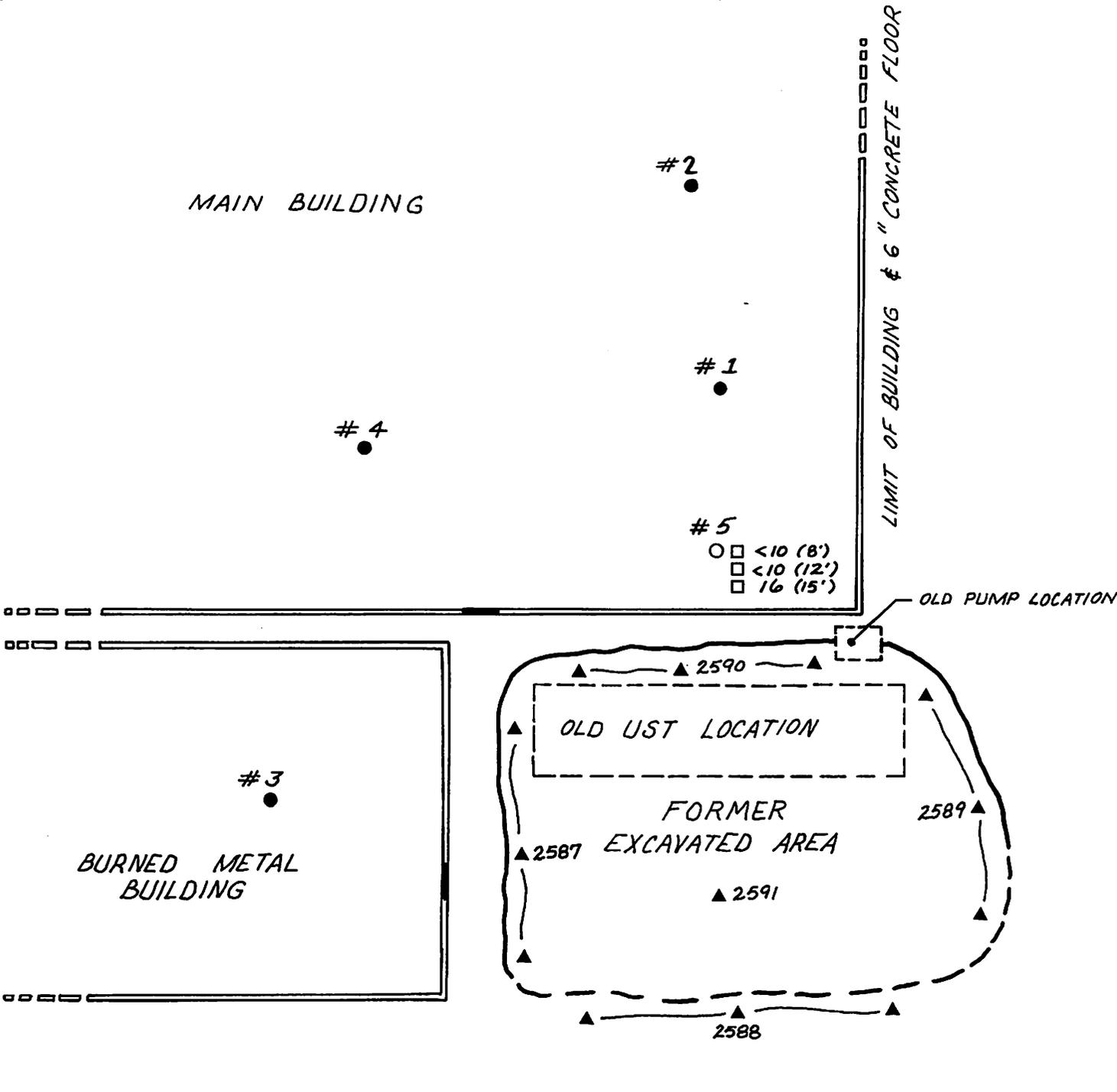


Horst Gudemann  
Project Manager

HG:vs

cc: DEQ (1)  
File (1)  
PN: 901218

DOC: 231.2



**EXPLANATION**

- NEW SAMPLE HOLE (JAN. 1991)
- PREVIOUS SAMPLE HOLE (JAN. 1990)
- SOIL SAMPLE (TPH, ppm)
- 2588 ▲ PEGASUS ENVIRONMENTAL SAMPLE LOCATIONS



Figure 1. SITE MAP

SCALE: 1" = 10'  
 DATE: 12 FEB 90  
 DESIGNED: LML  
 CHECKED:  
 FILE NO: 901218  
 REVISED: 2/91

GRIFFITH POLYMER	
HILLSBORO, OREGON	
SHEET NO.	
of	
3425 Spleer Drive Albany, Oregon 97321 Phone (503) 926-7737	

BTEX Analytical  
19280 Elizabeth Court  
Oregon City, Oregon 97045-9709

Page 1 of 1  
(503)650 3684  
FAX (503)656 5169

1991 January 29

Client name: Cascade Earth Sciences, Ltd.  
Contact: Horst Gudemann 926-7737  
Company Address: 3425 Spicer Rd.  
Albany, Oregon 97321

\*\*\*\*\*  
\*  
\* ANALYTICAL REPORT \*  
\*  
\*\*\*\*\*

Project Name: Griffith Polymer  
Project No.: 911--- P.O. No.: 2371

Sampled: 1.28.91  
Received: 1.28.91  
Analyzed: 1.28.91 Matrix: Soil

Total Petroleum Hydrocarbons (EPA 418.1)

<u>Sample I.D.</u>	<u>TPH (mg/Kg)</u>
s5a	<10
s5b	<10
s5c	16
Lower Reporting Limit	10

Quality Assurance Statement: The analyses were performed within holding times, with a Method Blank below the Detection Limits, a Daily Calibration within 15% Difference and with a Duplicate or Spiked Duplicate at the 10% level. All the above quality control elements were within their respective control limits, including Spike % Recoveries, with no exceptions.

  
George L. Landen, Ph.D.



Cascade Earth Sciences, Ltd.

Project # \_\_\_\_\_  
P.O. # 2371

L T D.

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 Albany, OR 97321  
(503) 926-7737

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 Corbett, OR 97019  
(503) 695-5760

P.O. Box 1514  
 LaGrande, OR 97850  
(503) 963-7758

### CHAIN OF CUSTODY

PROJECT NAME/NUMBER: <b>GRIFFITH POLYMER</b>				Sample Location: <b>HILLSBORO</b>	REPORT TO: <b>HORST GUDGMANN</b>	
DATE/TIME	SAMPLE TYPE	SAMPLE#	Cont. size	ANALYZE FOR	Preservative	REMARKS
1-28-91 1200	SOIL	GP-S 5A	2 oz	TPH	4°C	#1168
1-28-91 1255	SOIL	GP-S 5B	2 oz	TPH	4°C	ACID FOR 1 HIGHEST 7166
1-28-91 1340	SOIL	GP-S 5C	2 oz	TPH	4°C	1167
Samples collected by: <b>T. PEDERSEN</b>				Samples prepared and packaged by: <b>T. PEDERSEN</b>		
Relinquished by (signature) <i>Tyler Pedersen</i>		Date/Time 1-28-91 4:20		Received by (signature)		Date/Time
Relinquished by (signature)		Date/Time		Received by (signature)		Date/Time
Relinquished by (signature)		Date/Time		Received by (signature)		Date/Time
Dispatched by (signature)		Date/Time		Received for lab by (signature) <i>J. Glander</i>		Date/Time 1-28-91 4:25 PM
Method of shipment					Date/Time	

Reg JAT

JAN 31 1991

34-01-290

TELEPHONE USE REPORT

CALL FROM/TO: Horst / CES

DATE: 2/22/91

COMPANY/TITLE: Griffith Polymers

TIME: 11:20

PHONE NO.: \_\_\_\_\_

(Circle for filing)

CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

AQ Asbestos

WQ OSS

SW HW

General Spill

SUMMARY OF CALL:

Took samples from soil borings next to building - highest TPH was 16 PPM - will send report + lab results next week

HRT

Signature

34-80-290



Dept. of Environmental Quality



NORTHWEST REGION

P.O. BOX 626 ■ 1930 S.E. MINTER BRIDGE RD. ■ HILLSBORO, OR 97123 ■ (503) 648-1105 ■ FAX (503) 640-9170

January 11, 1991

Department of Environmental Quality  
811 S.W. Sixth Ave.  
Portland, Or. 97204-1390

Attn: Timothy R. Todd

Dear Tim;

This letter is being written to update you on the progress of our underground gasoline leak.

We have contracted with Cascade Earth Sciences, Ltd. to take an additional three soil samples. This will help us in determining the final extent of the underground plume. We then will be able to finalize an action plan with your assistance.

Please call if you have any questions.

Sincerely;

A handwritten signature in black ink that reads 'Donald G. Barge'.

Donald G. Barge  
President

ENC  
DGB:es

Member of



POLYURETHANE  
MANUFACTURERS  
ASSOCIATION



Cascade Earth Sciences Ltd.

3425 Spicer Drive, Albany, Oregon 97321  
926-7737

PN 901218

### WORK ORDER

Client: Griffith Polymer Date: January 3, 1991  
 Address: 1930 SE Minter Bridge Rd. Telephone: 648-1105  
Hillsboro, OR 97123 Ordered by: Don Barge  
 Job Address: As Above Property Owner: As Above

Township 1S Range 2 Section 8BA Tax Lot # 9900

Client hereby employes Cascade Earth Sciences, Ltd. dba CES, Ltd. to accomplish the following services:

- Prepare letter report for DEQ, and communication with DEQ.
- Collection & Analysis of three soil samples.

**Labor & Fees:** CES, Ltd. agrees to furnish all labor necessary for consulting work and the following fees:  
No fees

All fees not listed above are to be paid by the client.

**Price & Terms of Payment:** The parties agree that the cash price for labor and fees to be furnished by CES, Ltd, is \$ NTE 1650.00. Of said price, the client agrees to pay \$ -0- on the signing hereof and the balance, \$ NTE 1650.00, of said price in the following manner:  
Net 30 days

As variables unknown at this time become known during the course of performing said services, it may become apparent to CES, Ltd. that the total fee necessary to accomplish said services exceeds the above stated total. Should this be the case, CES, Ltd. shall terminate further work until such time as a revised work order has been signed by the client authorizing CES, Ltd. to proceed.

**Liens:** Nothing herein shall prevent CES, Ltd. from timely filing a lien on its own behalf to secure payment of the money due under this work order, should it be deemed necessary.

**Attorney Fees:** If CES, Ltd. utilizes the services of any attorney of law for the purpose of collecting any amount due and unpaid by client, then the client agrees to pay CES, Ltd. reasonable attorney fees for such service, regardless of the fact that no legal action may be commenced or filed by CES, Ltd. In the event of any legal action or proceeding between the parties, the prevailing party shall be entitled to court costs, reasonable attorney fees and expenses in any such action or proceeding including an appeal therefrom.

**Liability:** If there is more than one owner, the obligation of each and all shall be jointly and severally.

I HAVE READ THIS WORK ORDER and agree to its terms and conditions.

Dated: 1-9-91 Donnel Barge  
 Client - Title U

Dated: 1-8-91 Horst Gudemann  
 Cascade Earth Sciences, Ltd. Horst Gudemann kah

TELEPHONE USE REPORT

CALL FROM/TO: Harst Goodman  
COMPANY/TITLE: CE S for Griffith  
PHONE NO.: \_\_\_\_\_  
CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

DATE: 1/3/91  
TIME: 11:14

(Circle for filing)  
AQ Asbestos  
WQ OSS  
SW HW  
General Spill

SUMMARY OF CALL:

Soil is currently generating out site -  
Soil gas survey was conducted - Site  
map in report shows locations in  
Main Building - location # 1 had highest  
reading - <sup>Soil</sup> Sample nearest the building was  
taken, according site plan, but was not  
included in analytical result - They (CES)  
plan to bore down <sup>between</sup> ~~near~~ tank excavation and  
the "main building" + take sample at 16'.  
Told ~~them~~ <sup>him</sup> to go ahead - He will check  
with Pegasus to see what happened to sample  
nearest bldg.

TRT  
Signature



Dept. of Environmental Quality  
**RECEIVED**  
DEC 19 1990

NORTHWEST REGION

P.O. BOX 626 ■ 1930 S.E. MINTER BRIDGE RD. ■ HILLSBORO, OR 97123 ■ (503) 648-1105 ■ FAX (503) 640-9170

December 17, 1990

Department of Environmental Quality  
811 S.W. 6th Ave.  
Portland, Or. 97204

Subject: Gas Tank Removal

Attn: Mr. Tim Todd

Dear Tim:

Enclosed are copies of all the work that has been done on the site after the removal of a 1,000 gallon gas tank from Griffith Polymers, Inc.

I wish to apologize for not contacting you earlier.

Now I need to ask your help and indulgence in helping us finalize everything.

I have been in contact with Mr. Horst Gudeman of Cascade Earth Sciences about our situation. So after you review our progress, I will have C.E.S. do the finish work, reports etc.- as I am unhappy in the manner that Pegasus handled the situation.

Please feel free to call me if you have any questions. We would like to get this cleaned up and behind us.

Cordially;

A handwritten signature in cursive script that reads 'Donald G. Barge'.

Donald G. Barge  
President

DGB:es

Member of



POLYURETHANE  
MANUFACTURERS  
ASSOCIATION

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## 2.0 ANALYSIS

## 3.0 CURRENT ACTIONS

Dept. of Environmental Quality

RECEIVED

DEC 19 1990

NORTHWEST REGION

## APPENDIX 1.0 LETTER OF NOTIFICATION

## APPENDIX 2.0 CONTRACTS

## APPENDIX 3.0 DOCUMENTATION

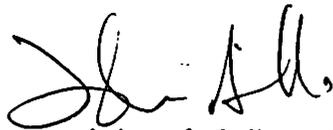
Griffith Polymers  
P. O. Box 626  
Hillsboro, OR 97123

## DISCLAIMER

This report is based upon work requested and authorized by the client and completed by Pegasus in a workmanlike and professional manner. Pegasus makes no warranty, expressed or implied, including without limitation, any warranty of merchantability fitness for a particular purpose, use, or otherwise, with respect to any of the materials or results of the work. Pegasus has made every effort to provide as complete and comprehensive an evaluation as professionally practical in the matter covered by this assessment. Observations, findings, results and conclusions are limited by inherent time constraint and the depth of work which is practical and economical. Further, findings, recommendations, and/or observations should not be construed so that action taken as a result of this work will achieve compliance with every regulatory standard nor prevent every possible accident or loss. Neither should it be considered that any recommendation noted be the only possible action to be taken.

If there are any additional concerns or questions feel free to contact Technical Services/R & D at either 682-5802 or 1-800-354-9033 (inside Oregon) or 1-800-443-6134 (outside Oregon).

Sincerely,



John Aniello  
Technical Services

## 1.0 SCOPE OF WORK

Pegasus Environmental Management Services, Inc., provided the necessary labor, equipment, supplies, materials and services to excavate and remove 1 X 1,000 gallon underground storage tank located at 1930 SE Minter Bridge Road, Hillsboro, Oregon 97213. The removal was performed with strict adherence to the requirements of the Department of Environmental Quality and the State and local Fire Marshal. Soil contamination was uncovered during the excavation and eight (8) samples were taken from all sides of the hole at various stages of the excavation, preserved and transported to Coffey Labs, Inc. for analysis for Total Petroleum Hydrocarbons (TPH) (results are located in Section 2.0).

## 1.1 CHRONOLOGY

- 12 October 1989 Pegasus contracted by Griffith Polymers to decommission 1 X 1,000 gallon underground storage tank.
- 13 October 1989 Pegasus submits notification of permanent decommissioning to DEQ.
- 21 November 1989 Pegasus personnel on site. Prep site for excavation. Begin excavation of tank. Encounter contamination. Contract Change Order signed. Continue excavation - separating contaminated soil from clean. Clean site and leave for day. Verbal notification to DEQ about leaking underground storage tank.
- 22 November 1989 Finish excavating and remove tank. Continue excavating and separating contaminated soil. Prep hole for weekend.
- 24 November 1989 Cut tank and prep for disposal.
- 27 November 1989 Meet with Don Barge of Griffith Polymers to discuss project. Decision made by Mr. Barge to continue excavating contaminated soil using another contractor.\* Pegasus assumes an advisory role.

\* Switched to another contractor  
AS I found out that Pegasus  
did not, in my estimation, have the  
necessary equipment to handle the excavation.  
"B"

BB

7 December 1989 Site inspection of Griffith Polymers. After track hoe operator had finished excavating all of the obvious contamination. Pegasus personnel took five (5) samples from excavation site. Sample results eventually showed depth of contamination and extent of contaminant plume away from building. However, plume extended under building and it was decided by Don Barge to contract Pegasus to do a remedial investigation for extent of contamination under building. Due to size of hole at this time it was decided to backfill site with clean fill. (ROCK)

11 December 1989 20 day report due to DEQ - given verbal okay on abatement plans.

8-26 December 1989 Research for Corrective Action Plan (CAP).

27 December 1989 John Aniello of Pegasus contacts Loren Garner of DEQ to discuss Griffith CAP. Loren Garner informed John that since the ground water did not make contact with the contamination that only soil remediation would be necessary.

28 December -  
24 January 1990 Research for CAP.

5 January 1990 45 day site characterization due to DEQ. Due to constant communication between Pegasus and DEQ, received verbal okay not to submit report.

24 January 1990 Pegasus subcontracts Cascade Earth Sciences, Inc. to conduct drilling and testing of soils under building to determine extent of contaminant plume.

12 February 1990 Cascade Earth Sciences complete investigation of contaminant plume.

## 2.0 ANALYSIS

The current DEQ regulations allow certain levels of contamination as acceptable based upon a matrix system which takes into account such things as: depth to ground water, annual mean rainfall and population density. When applying the location of the underground storage tanks to the matrix system the acceptable level of contamination was 80 ppm. Upon analysis, the samples taken showed excessive contamination heading in all directions at around 2300-3100 ppm (samples 2567-2568) at a depth of eight (8) feet. After excavation of site using track hoe five (5) composite samples were taken from all sides of excavation site at a depth of 16-20 feet. Results showed contamination had been removed from soils heading away from Griffith buildings.

Upon conclusion of Cascade Earth Sciences investigation it was discovered that contamination plume extended approximately 10-20 feet under building and to a depth of 15 feet.

## 2.1 MATRIX CALCULATIONS

1.	Depth to groundwater - 25-50 feet	7
2.	Annual precipitation - 20-40 inches	5
3.	Native soil - moderate permeability	5
4.	Sensitivity of aquife - potable/unused	7
5.	Potential receptors - near/medium	<u>10</u>
	Total	34

From 25-40, inclusive, the site must be cleaned up to at least level 2 standards:

TPH (Gasoline)	80 ppm
TPH (Diesel)	500 ppm

### 3.0 CURRENT ACTIONS

1. On 12 March 1990, Dwaine Annala and Erik Hopkins of Pegasus Environmental Management Services, Inc. met with Don Barge of Griffith Polymers to discuss the corrective action plan proposal. Don Barge, after hearing presentation, decided to contact a structural engineer to determine if removal of contamination under building by digging was in any way feasible and less costly. Pegasus is currently awaiting final decision before developing the corrective action plan for submittal to DEQ.
2. There is currently approximately 200 cubic yards of contaminated soil being stored on the Griffith property. It is isolated from the environmental by visqueen both under and over it. Don Barge of Griffith intends to land farm this soil on his property this spring.

\* (This has been done)

RECEIVED JAN 24 1990

RECEIVED JAN 19 1990



# F. B. BEATTIE & CO., INC. - Insurance

WESTLAKE CENTER • 1601 FIFTH AVENUE • SUITE 1500  
SEATTLE, WA 98101-1625 • (206) 622-4040 • FAX (206) 624-5975 • TELEX 152635

## VERIFICATION OF INSURANCE

To: Pegasus Environmental Management Services, 30250 SW. Parkway, Wilsonville,  
OR 97070

We, the undersigned Insurance Brokers, hereby certify that the following described insurance is in force at this date, of which 100% is insured with UNDERWRITERS AT LLOYD'S, LONDON.

Name of Assured: Cascade Earth Sciences, Ltd.

Address of Assured: 3425 Spicer Drive

Location of Risk: Albany, OR 97321

Kind of Insurance: Testing/Environmental Consulting Errors & Omissions

Policy or Certificate No.: UBF 0338

Policy Period: September 8, 1989 to September 8, 1990

Limits of Liability: \*\*  
 \$1,000,000 Limit Each Claim  
 \$1,000,000 Limit Annual Aggregate  
 \$ 50,000 Deductible Each & Every Claim

"THIS IS EVIDENCE OF INSURANCE PROCURED AND DEVELOPED UNDER THE OREGON SURPLUS LINE LAWS. IT IS NOT COVERED BY THE PROVISIONS OF ORS 734.510 TO 734.710 RELATING TO THE OREGON INSURANCE GUARANTY ASSOCIATION. IF THE INSURER ISSUING THIS INSURANCE BECOMES INSOLVENT, THE OREGON INSURANCE GUARANTY ASSOCIATION HAS NO OBLIGATION TO PAY CLAIMS UNDER THIS EVIDENCE OF

Special Clauses and/or Endorsements (see reverse side)

This document is furnished to you as matter of information only. The issuance of this document does not make the person or organization to whom it is issued an additional assured, nor does it modify in any manner the contract of insurance between the Assured and the Underwriters. Any amendment, change or extension of such contract can only be effected by specific endorsement attached thereto.

Should the above mentioned contract of insurance be cancelled, assigned or changed during the above named policy period in such manner as to affect this document, we the undersigned, will endeavor to give Thirty (30) days written notice to the holder of this document, but failure to give such notice shall impose no obligation of any kind upon the undersigned or upon the Underwriters.

F.B. Beattie & Co., Inc.

By F B Beattie

\*\* Claims Costs and Expenses Included in Limit of Liability

Dated January 16, 1990

**NOTICE OF UNDERGROUND STORAGE TANK  
PERMANENT DECOMMISSIONING**

**Facility**

Name Griffith Polymers Inc.  
Address 1930 S.E. Minter bridge L.  
Hillsboro, Oregon 97123

Phone 648-1105  
Facility ID Number 4976

**Tank Owner**

Name Griffith Polymers Inc.  
Address SAME

Phone 648-1105

**Permanent Decommissioning Performed By:**

Company Pegasus Environmental Management Services Phone 682-5802  
Scheduled Date for Permanent Decommissioning November 13, 1989  
Method to be used: Removal  In-Place  Fill Material

**Tanks to be Decommissioned**

Tank ID#	Tank Age	Tank Size	Last Product Stored
<u>#1</u>	<u>SPD Jan 89</u>	<u>1000 gal.</u>	<u>Regular leaded gasoline.</u>

Are the decommissioned tanks to be replaced by new underground storage tanks? Yes  No   
If yes, please submit a new permit application containing information on the new tanks.

**Where and how will the old tanks be disposed?**

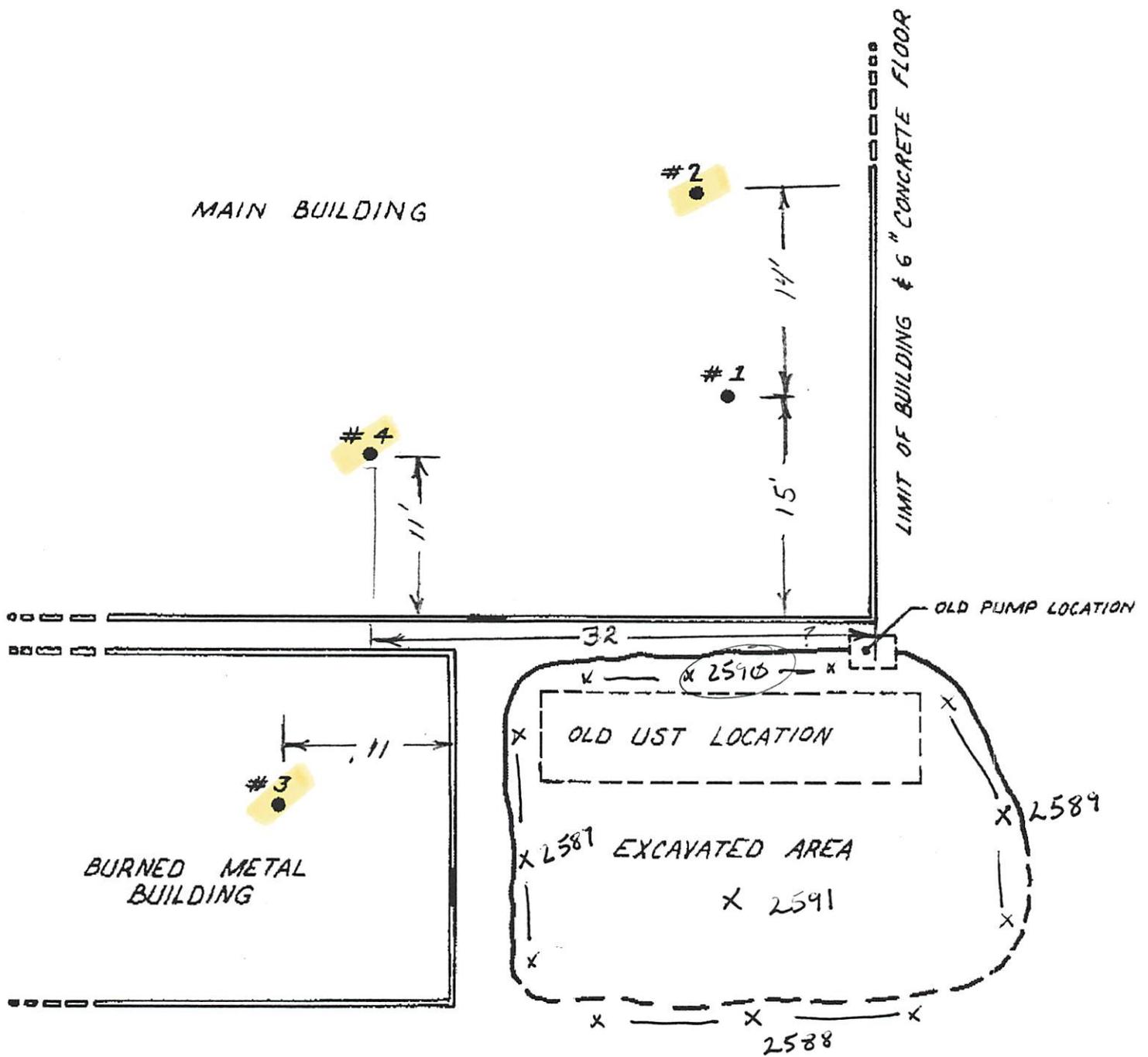
Scrap Name Schnitzer Steel Location Portland.  
Landfill Name \_\_\_\_\_ Location \_\_\_\_\_  
Stored Name \_\_\_\_\_ Location \_\_\_\_\_  
Other Comment \_\_\_\_\_

Signature Charles A. Spear Date 13 October 1989

Return Completed Form To: Department of Environmental Quality  
UST Program - Decommissioning Notice  
811 SW Sixth Ave.  
Portland, Oregon 97204

For Information: (503) 229-5559 or Toll Free in Oregon 1-800-452-4011

" 3 "



● IDENTIFIES SOIL GAS TEST HOLES

Soil Gas Measurements with Draeger Tubes

Test Hole Number	Drill Depth	Depth of Gas Tube	T P H	Toluene
1	4.5	4.4	N D	
1	10.0	9.8	Trace	
1	15.0	12.2	600 ppm	
2	16.0	14.0	Trace	N D
3	11.0	10.8	50 ppm	
3	16.0	10.6	Trace	
4	15.0	12.0	N D	

T P H = Total Petroleum Hydrocarbons

Note: soil samples were taken from test hole numbers 2, 3, and 4.



SCALE: 1" = 10'  
 DATE: 12 FEB 90  
 DESIGNER: LML  
 CHECKED:  
 FILE NO: 901001  
 REVISED:

PEGASUS ENVIRONMENTAL  
 GRIFFITH POLYMERS  
 SHEET NO.  
 1 of 1

1435 Spilour Blvd.  
 Albany, Oregon 97221  
 Phone (503) 886-7737

Interrupted fax

This is page 2

Ann

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

CLIENT: Cascade Earth Sciences  
SUBMITTED BY: Ann Stewart  
PROJECT: Griffith Polymers, Inc.  
SAMPLE DESCRIPTION: Soil

DATE COLLECTED: 01/16/90  
DATE RECEIVED: 01/18/90  
DATE EXTRACTED: 01/23/90  
DATE ANALYZED: 01/24/90  
WORK ORDER #: K90170

TRFH-IR Results  
16th Standard Methods 503 D / EPA 418.1  
mg/Kg (ppm) Dry Weight Basis

ole  
# 2  
# 3  
# 4

<u>Sample Name</u>	<u>Lab Code</u>	<u>MRL</u>	<u>Results</u>
GP-1	170-1	25	ND
GP-2	170-2	25	ND
GP-3	170-3	25	ND

Depth of Extraction 15.5 - 17'

MRL means Method Reporting Limit  
ND means None Detected at or above the MRL

Approved by Mike Shelton Date 1/31/90

B"



**COFFEY LABORATORIES, INC.**

12423 N.E. WHITAKER WAY  
PORTLAND, OR 97230  
PHONE: (503) 254-1794  
FAX: (503) 254-1452

December 14, 1989  
Log #A891207-AJ4  
PO #1248-GR1-465

Pegasus  
30250 SW Parkway Avenue  
Suite 1  
Wilsonville, OR 97070  
Attention: Laurie Kear

Samples Collected: 12/07/89, 1200 hrs.  
Samples Received: 12/07/89

PROJECT NUMBER: GR1-465

PROJECT NAME: Griffith  
Polymers

Analysis Requested: Total Petroleum Hydrocarbons in soil by  
modified EPA Method 418.1

SAMPLE ID	SAMPLE RESULTS
1-002587	63 (52)*
2-002588	ND
3-002589	ND
3-002589 Duplicate	ND
4-002591	ND

Detection Limit: 6 mg/kg

Results expressed as mg/kg unless otherwise noted.

ND means none detected at or above the detection limit listed.

\* Reanalyzed by client's request.

Sincerely,

Victor A. Perry,  
Quality Assurance

SMC/daj

Sincerely,

Susan M. Coffey,  
President

This report is for the sole and exclusive use of the client. Samples are retained a maximum of 15 days from the report date, or until the maximum holding time expires.



# COFFEY LABORATORIES, INC.

12423 N.E. WHITAKER WAY  
PORTLAND, OR 97230  
PHONE: (503) 254-1794  
FAX: (503) 254-1452

RECEIVED NOV 30 1989

November 30, 1989  
Log #A891124-G2

Pegasus  
30250 S.W. Parkway Avenue  
Suite 1  
Wilsonville, OR 97070  
Attention: Laurie Kear

Samples Collected: 11/22/89 1630 hrs.  
Samples Received: 11/24/89

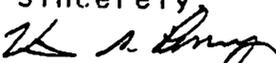
Project Name: Griffith Polymers

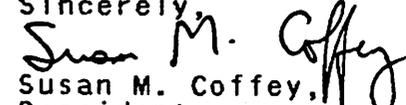
Analysis Requested: Total Petroleum Hydrocarbons in soil by  
modified EPA Method 418.1

SAMPLE ID		SAMPLE RESULTS
Sample #1	2567	3110
Sample #2	2568	2300

Detection Limit: 2.5 mg/kg

Results expressed as mg/kg unless otherwise noted.

Sincerely,  
  
Victor A. Perry,  
Quality Assurance

Sincerely,  
  
Susan M. Coffey,  
President

SMC/lws

This report is for the sole and exclusive use of the client. Samples are retained a maximum of 15 days from the report date, or until the maximum holding time expires.

"B"

OK DB

0737

CUSTOMER'S ORDER NO.	DEPT.	DATE 12-28-89
NAME Duffick Polymer		
ADDRESS		

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MOSE RETD.	PAID OUT
---------	------	--------	--------	----------	------------	----------

QUAN.	DESCRIPTION	PRICE	AMOUNT
1			
2			
3			
4	Excavating soil +	5142.72	
5	Backfill with rock		
6			5430
7			
8			
9			
10			
11			
12	Larry Brown & Son Excav		
13	356 St. Baseline		
14	Zionsville, Ind. 97123		
15	TRUCKS		1532.00
16	ADD FILL		55.00
17	ROCK - 502 YARDS		1575.72
18	EXCAVATING		2080.00

Cont. No. \_\_\_\_\_ ACCT # \_\_\_\_\_  
 Cust. No. 7-0110 all.  
 RECEIVED DEC 29 1989  
 Payment Date 1-25-90

REC'D BY

REDIFORM  
51320/01320

KEEP THIS SLIP  
FOR REFERENCE

CARBONLESS



## Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

December 21, 1990

Mr. Donald Barge  
Griffith Polymers, Inc.  
P.O. Box 626  
Hillsboro, OR 97123

Re: UST-Washington County  
Griffith Polymers  
File No. 34-89-290

Dear Mr. Barge:

We have completed our review of Pegasus Environmental Management Services' report concerning the underground storage tank decommissioning and contaminated soil cleanup at your facility located at 1930 SE Minter Bridge Road in Hillsboro, Oregon.

This information indicates that significant soil contamination remains at the site. We concur that additional cleanup and/or investigative activities are necessary in order to mitigate and define the environmental hazards at the site.

If cleanup actions other than simple removal are chosen, the Department must receive copies of and approve of a corrective action plan.

Please submit a letter by **January 8, 1991**, outlining your planned actions for the site. Please include the dates you anticipate beginning and ending each action.

If you have any questions regarding this matter, please contact me at (503) 229-5634.

Sincerely,

  
Timothy R. Todd  
UST Cleanup Specialist  
Northwest Region

cc: UST Cleanup Section, ECD

TELEPHONE USE REPORT

CALL FROM/TO: Horst

DATE: 12/11/90

COMPANY/TITLE: C.E.S.

TIME: \_\_\_\_\_

PHONE NO.: 926-7737

(Circle for filing)

CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

AQ Asbestos

WQ OSS

SW HW

General Spill

Griffith Polymers

SUMMARY OF CALL:

12/11/90 clarifying what TRT wants.

CES did some work for pegasus.

Indicated that we needed report on what's been done to date. Once we receive the report we can decide what needs to be done next.

HP

Signature

TELEPHONE USE REPORT

CALL FROM/TO: Don Barge  
COMPANY/TITLE: Griffith Polymer's  
PHONE NO.: \_\_\_\_\_  
CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

DATE: 12/2/90

TIME: \_\_\_\_\_

(Circle for filing)

AQ Asbestos

WQ OSS

SW HW

General Spill

SUMMARY OF CALL:

Has hired Cascade Earth Sciences -  
will send Rept. w/in 10 days or  
I will send NOW. They are aerating  
contaminated soils, have taken samples etc.

TKT

Signature

TELEPHONE USE REPORT

CALL FROM/TO: Jim Kear

DATE: \_\_\_\_\_

COMPANY/TITLE: Pegasus

TIME: \_\_\_\_\_

PHONE NO.: 682-5802

(Circle for filing)

CITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

AQ Asbestos

Griffith Polymers

WQ OSS

SW HW

General Spill

SUMMARY OF CALL:

2-9-90 3:06 aft message for Jim to call

2-20-90 8:55 aft message

11:22 cleanup/Investigation still ongoing. will send interim report w/ RP's Address.

AVP  
Signature

Permit NWR  
10/18

### NOTICE OF UNDERGROUND STORAGE TANK PERMANENT DECOMMISSIONING

**Facility**

Name GRIFFITH Polymers Inc.  
Address 1930 S.E. Minter Bridge Rd.  
Hillsboro, Oregon 97123  
Phone 648-1105  
Facility ID Number 4976

**Tank Owner**

Name GRIFFITH Polymers Inc.  
Address SAME  
Phone 648-1105

**Permanent Decommissioning Performed By:**

Company Regis Environmental Management Services Phone 682-5802  
Scheduled Date for Permanent Decommissioning November 13, 1989  
Method to be used: Removal  In-Place  Fill Material

**Tanks to be Decommissioned**

Tank ID#	Tank Age	Tank Size	Last Product Stored
<u>#1</u>	<u>Sept 1987</u>	<u>1000 gal.</u>	<u>Regular leaded gasoline.</u>

Are the decommissioned tanks to be replaced by new underground storage tanks? Yes  No   
If yes, please submit a new permit application containing information on the new tanks.

**Where and how will the old tanks be disposed?**

Scrap Name Schnitzer Steel Location Portland  
Landfill Name \_\_\_\_\_ Location \_\_\_\_\_  
Stored Name \_\_\_\_\_ Location \_\_\_\_\_  
Other Comment \_\_\_\_\_

Signature Charles A. Spear Date 13 October 1989

Return Completed Form To: Department of Environmental Quality  
UST Program - Decommissioning Notice  
811 SW Sixth Ave.  
Portland, Oregon 97204

\* L U S T F O R M \*

INCIDENT INFORMATION

LUST Incident Nbr: LUST Log Nbr: 34-89-290
Date Received: 11/22/89 Received By: L.G. Garner
Tank Identification: File Name: Griffith Polymers
Street: 1930 SE Minter Bridge Rd
City: Hillsboro Zip: 97123
County: Wash Phone: 648-1105

UST Facility ID: 4976
Emergency Resp Taken: Y N

1 - 1000 gal

Incident Comments:

CONTACT & MAIL TYPES

Don Barge

Reported By: Jim Kear
Company: Pegarus
LUST Contact:
Responsible Party: TED Davis
Company: same
Street: P.O. Box 626
City: Hillsboro Zip: 97123
State: Phone: 682-5802

SITE ASSESSMENT

LUST Incident Nbr: (XXXXXXXXXXXX)
Date Investigated: 11/22/89 Investigated By: L.G. Garner
Release Exists: (Y) N Confirmation Method: (C) Lab:RP
Cleanup Necessary: Y N Regulated Tank: (Y) N Exposure Assessment: Y N
Off-Site Migration: Y N ? Estimated Gallons Released: Priority:

Discovery Date: 11/22/89
How Discovered: (C) Decommissioning
E) Complaint F) Tank Test G) Other

Material Released: (C) Misc. Gasoline
D) Diesel E) Fuel Oil F) Waste Oil
G) Lubricant H) Solvent I) Bunker Fuel
J) Other Pet. Dist. K) Chemical L) Unknown

Source of Release: (B) Pipe Leak
E) Pump/Valve Leak F) Other G) Unknown

Impacts: (C) Soil - Down to 18' and getting worse sandy soils
Groundwater Y N % ?
Surface Water Y (N) % ?
Drinking Water Y (N) % ?
Facility (Vapor) Y (N) % ?
Facility (Free Product) Y (N) % ?

Site Assessment Comments: 11/29 Removing more soil - taping off will do it.

SITE MANAGEMENT

LUST Incident Nbr: (XXXXXXXXXXXX)
Date Released Stopped: 11/89
Cleanup Activity: Start Date: 11/89 Under Control Date: 12/90
End Date: 12/4/91 Contractor Name: CASCADE EARTH SCIENCES, LTD
Cleanup Guideline: (Matrix) C.A.P. Cleanup Lead: (RP) SLW/TF SLW/oTF

Free Product Disposal: Soil Disposal: Aeration
Est. Gallons: Est. Cu/Yds: 200
Resp. Party: DON BARGE
Disposal Location: n/a
Removal Date: n/a

Enforcement Action: Y N
Cost Recovery Initiated: Y N Source of Cost Recovery: Pct. R.P.:
Pct. SLW/TF:
Pct. SLW/oTF:

Estimations: Cost of Cleanup: Staff Time On Project: 1.5 HRS

Site Management Comments:

closed 12/04/91