



AUG 30 12 15 PM '95

August 25, 1995

Mr. Jason Finegold  
State of Vermont, Department of Environmental Conservation  
Hazardous Materials Management Division  
103 South Main Street / West Building  
Waterbury, Vermont 05671-0404

RE: Petroleum contaminated soils formerly at the Nutting Residence  
(VTDEC Site #95-1802)

Dear Mr. Finegold:

In accordance with Griffin's Work Plan (dated June 29, 1995) which was approved by yourself in a letter to Mr. Raymond Nutting on July 10, 1995, all of the petroleum contaminated soils at the Nutting Residence have been removed and recycled. On August 4, 1995, the stockpile containing petroleum contaminated soils at the Nutting Residence located on Pamela Drive in Rutland, Vermont was moved to MTS, Inc. of Epsom, New Hampshire. The stockpile contained a total of 22.25 tons of soils contaminated with No. 2 fuel oil. The soils resulted from excavation during the removal of a 2,000 gallon capacity underground storage tank (UST) at the site on June 14, 1995. All contaminated soils from the site were recycled by processing them into bituminous asphaltic cold mix product on August 18, 1995.

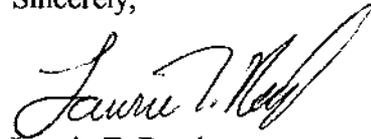
Analysis of the composite soil sample collected from the stockpile via modified EPA Method 8100 identified 300 parts per million (ppm) weathered fuel oil. The estimated volume of fuel oil contained in the stockpile is calculated to be approximately 21 gallons.

Attached, please find a copy of the Certificate of Destruction for the soils and results from analysis of the soils. Since all of the soils have been recycled, no significantly contaminated soils remain in the subsurface, and no impact to groundwater at the site occurred, we recommend that the site be designated "Sites Management Activities Complete" (SMAC) by the VTDEC Hazardous Materials Management Division.

Mr. Jason Finegold  
August 25, 1995  
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Your consideration of this matter is appreciated. If you have any questions or if I can be of any assistance to you, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Laurie T. Reed".

Laurie T. Reed,  
Project Geologist

- c. Mr. Raymond Nutting  
PO Box 4089  
Rutland, Vermont 05701



L. Reed

EST. 1975

P.O. BOX 359, EPSOM, NH 03234 (603) 798-4557 FAX (603) 798-5641

CERTIFICATE OF DESTRUCTION

THIS IS TO CERTIFY that the waste materials described as  
22.25 tons of soils containing petroleum hydrocarbon  
 contamination which were delivered to MTS, Inc. \_\_\_\_\_  
 thru 8-4-95 originating from PAMELA DRIVE  
RUTLAND, VT were processed and incorporated with similar  
 aggregate into bituminous asphaltic cold mix product on  
 \_\_\_\_\_ thru 8-18-95 as evidenced by the attached completed  
 Bill Of Lading number \_\_\_\_\_ thru 11024 which constitutes the  
 entire amount of soils delivered for project number 25:4308:1

This processing was carried out in strict accordance with the  
 provisions of permit for pug mill cold patch mix process, number  
 PO-BP-2635, granted from the State of New Hampshire Department of  
 Environmental Services, Air Resources Division, effective August  
 7, 1990.

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[Signature] 8/23/95  
 Processing Foreman Date

[Signature]  
 Compliance Officer Date

# BILL OF LADING SOILS CONTAINING VIRGIN PETROLEUM OILS

BILL OF LADING # <u>NO. 11024</u> PROJECT AUTHORIZATION # <u>2514308:1</u> DATE <u>8/03/95</u>																
<b>AUTHORIZED SIGNATURE:</b> _____																
<b>FACILITY:</b> MTS, INC. RT. 4, 9, & 202 CHICHESTER, NH (603) 798-4557  PLANT LOCATION: <u>CHICHESTER, NH</u>	<b>TRANSPORTER NAME/ADDRESS:</b> <u>GOLD EAGLE CONTRACTING, INC.</u> <u>58 BLAKE ROAD</u> <u>WEARE, NH 03281</u>  TELEPHONE <u>(603) 529-3454</u>															
<b>GENERATOR NAME/ADDRESS:</b> <u>RAYMOND NUTTING RESIDENCE</u> <u>P. O. BOX 4089</u> <u>RUTLAND, VT 05701</u>  CONTACT PERSON: <u>RAYMOND NUTTING</u> TELEPHONE: <u>(802)-775-0091</u>	<b>SITE OF GENERATION:</b> <u>RAYMOND NUTTING RESIDENCE</u> <u>PAMELA DRIVE</u> <u>RUTLAND, VT 05701</u>															
<b>SOIL DESCRIPTION:</b> GASOLINE _____ KEROSENE _____ NO. 2 OIL <u>XX</u> NO. 4 OIL _____ NO. 6 OIL _____ OTHER _____	<b>QUANTITY:</b> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;"></td> <td style="width:15%; text-align: center;">WT(TONS)</td> <td style="width:15%; text-align: center;">VOL(CU.YDS.)</td> </tr> <tr> <td>TOTAL PROJECTED</td> <td style="text-align: center;"><u>30</u></td> <td></td> </tr> <tr> <td>SHIPPED TO DATE</td> <td></td> <td></td> </tr> <tr> <td>THIS LOAD (EST.)</td> <td></td> <td></td> </tr> <tr> <td>REMAINING TO BE SHIPPED</td> <td></td> <td></td> </tr> </table>		WT(TONS)	VOL(CU.YDS.)	TOTAL PROJECTED	<u>30</u>		SHIPPED TO DATE			THIS LOAD (EST.)			REMAINING TO BE SHIPPED		
	WT(TONS)	VOL(CU.YDS.)														
TOTAL PROJECTED	<u>30</u>															
SHIPPED TO DATE																
THIS LOAD (EST.)																
REMAINING TO BE SHIPPED																
<b>CONSULTANT: (if Applicable)</b> NAME: <u>GRIFFIN INTERNATIONAL</u> ADDRESS: <u>2B DORSET LANE</u> TELEPHONE: <u>(802)-865-4288</u> <u>WILLISTON, VT 05495</u>																
ANALYSIS ATTACHED <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/> VOLATILES (AS BENZENE) _____ PPM TOTAL PETRO. HYDROCARBON(TPH) _____ PPM																
GENERATORS SIGNATURE: I hereby certify that the information provided is a true representation of the materials to be shipped and that the soils do not contain other constituents which fall within the definitions of hazardous waste as defined in 40CFR260 and applicable State regulations. X <u>Charles R. Nutting</u> DATE: <u>8-4-95</u>																
STATE AUTHORIZATION SIGNATURE (IF APPLICABLE) _____ DATE _____ CASE # _____																
TRUCK/TRACTOR REGISTRATION <u>2005A18</u> TRAILER REGISTRATION <u>9342T</u>	LEFT SITE AT: <u>11:45</u> DATE: <u>8-4-95</u> AM/PM <u>(M)</u>															
TRANSPORTERS SIGNATURE: <u>[Signature]</u>																
RECEIVING CLERK SIGNATURE: <u>[Signature]</u> DATE <u>8/4/95</u> INSPECTED SAT? _____																
ARRIVED _____ AM/PM																
TRUCK WT: FULL <u>95280</u> EMPTY <u>50780</u> NET <u>44500</u> <u>22.21</u>	TICKET NO. <u>113218</u> TICKET NO. _____ RECORD BY: <u>HN</u> DATED <u>8/4/95</u>															
PROCESSED DATE _____ PROCESSING FOREMAN SIGNATURE: _____	CERTIFICATE OF DESTRUCTION SENT _____ ADDITIONAL COPIES SENT TO (1) _____ (2) _____															

FALSIFICATION OR MISREPRESENTATION OF ANY INFORMATION ON THIS BILL OF LADING IS A VIOLATION OF LAW AND IS SUBJECT TO APPROPRIATE STATUTORY OR REGULATORY PENALTIES.



P.M.V.

**eastern analytical**

*professional laboratory services*

July 31, 1995

Peter Murray  
Griffin International  
P.O. Box 943  
Williston, VT 05495

Subject: Laboratory Report

Eastern Analytical, Inc. ID #: 3099 GFI  
Client Identification: Nutting  
Sample Quantity/Type: 1 soil  
Date Received: 7/14/95

Dear Mr. Murray:

Enclosed please find the laboratory report for the above identified project. All analyses were subjected to rigorous quality control measures to assure data accuracy.

The following standard abbreviations and conventions apply throughout all Eastern Analytical, Inc. reports:

- < = "less than" followed by the detection limit
- TNR = Testing Not Requested
- ND = None Detected, no established detection limit
- BRL = Below Reporting Limits

If you have any questions regarding the results contained within, please feel free to directly contact me, the department supervisor, or the analytical chemist who performed the testing in question.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

William Brunkhorst  
President

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environmental  
laboratory inc.

195 Commerce Way  
Portsmouth, New Hampshire 03801  
603-436-5111

Ms. Teresa Dubois  
Eastern Analytical, Inc.  
25 Chenell Drive  
Concord, NH 03301

July 24, 1995

**SAMPLE DATA**

Lab #: 34994-1  
Matrix: Soil  
Percent Solid: 88  
Dilution Factor: 1.1  
Collection Date: 07/12/95  
Lab Receipt Date: 07/14/95  
Extraction Date: 07/20/95  
Analysis Date: 07/21/95

**CLIENT SAMPLE ID**

Client Project: Nutting

Project Number:

Station ID: Stockpile

**ANALYTICAL RESULTS CHLORINATED HERBICIDES**

COMPOUND	Detection Limit: µg/kg	Result: µg/kg
Dichloroprop	110	ND
Dalapon	165	ND
2,4-D	110	ND
2,4,5-TP	110	ND
2,4,5-T	110	ND
Dicamba	110	ND
MCPA	11000	ND
MCPP	11000	ND
2,4-DB	165	ND
<b>Surrogate Standard Recovery</b>		
2,4-Dichlorophenylacetic acid		59*%
ND=None Detected    <=Less than    >=Greater than		

**METHODOLOGY:** Samples were analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8151."

**COMMENTS:** Results are expressed on a dry weight basis. \*Surrogate recovery affected by sample matrix.

Authorized signature



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 3099 GFI

Client: Griffin International  
Client Designation: **Nutting**

Sample Qty/Type: 1 soil  
Date Received: July 14, 1995

## Volatile Organic Compounds

<b>Sample ID:</b>	Stockpile		Stockpile
<b>Matrix:</b>	Soil		Soil
<b>Date of Analysis:</b>	7/21/95		7/21/95
<b>Units:</b>	µg/kg		µg/kg
<b>Analyst:</b>	CWC		CWC
<b>EPA Method:</b>	8260		8260
<b>Dilution Factor:</b>	10		10
Benzene	< 100	Ethylbenzene	< 100
Bromobenzene	< 100	Hexachlorobutadiene	< 100
Bromochloromethane	< 100	Isopropylbenzene	<b>200</b>
Bromodichloromethane	< 100	p-Isopropyltoluene	<b>900</b>
Bromoform	< 100	Methylene chloride	< 100
Bromomethane	< 1000	Naphthalene	<b>8,600</b>
n-Butylbenzene	< 100	n-Propylbenzene	<b>800</b>
sec-Butylbenzene	<b>400</b>	Styrene	< 100
tert-Butylbenzene	< 100	1,1,1,2-Tetrachloroethane	< 100
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 1000	Toluene	< 100
Chloroform	< 100	1,2,3-Trichlorobenzene	< 100
Chloromethane	< 1000	1,2,4-Trichlorobenzene	< 100
2-Chlorotoluene	< 100	1,1,1-Trichloroethane	< 100
4-Chlorotoluene	< 100	1,1,2-Trichloroethane	< 100
Dibromochloromethane	< 100	Trichloroethene	< 100
1,2-Dibromo-3-chloropropane	< 100	Trichlorofluoromethane	< 1000
1,2-Dibromoethane	< 100	1,2,3-Trichloropropane	< 100
Dibromomethane	< 100	1,2,4-Trimethylbenzene	<b>4,600</b>
1,2-Dichlorobenzene	< 100	1,3,5-Trimethylbenzene	<b>2,100</b>
1,3-Dichlorobenzene	< 100	Vinyl chloride	< 1000
1,4-Dichlorobenzene	< 100	o-Xylene	<b>1,200</b>
Dichlorodifluoromethane	< 1000	m,p-Xylene	<b>3,600</b>
1,1-Dichloroethane	< 100	MTBE	< 2000
1,2-Dichloroethane	< 100	Acetone	< 5000
1,1-Dichloroethene	< 100	2-Butanone (MEK)	< 1000
cis-1,2-Dichloroethene	< 100	4-Methyl-2-Pentanone (MIBK)	< 1000
trans-1,2-Dichloroethene	< 100	2-Hexanone	< 1000
1,2-Dichloropropane	< 100		
1,3-Dichloropropane	< 100	Volatile Petroleum	
2,2-Dichloropropane	< 100	Hydrocarbons	8015(mod)
1,1-Dichloropropene	< 100	C4-C7	< 500
cis-1,3-Dichloropropene	< 100	C8-C10	<b>20,000</b>
trans-1,3-Dichloropropene	< 100	C11-C16	<b>100,000</b>

Approved By: Timothy Schaper, Organics Supervisor



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 3099 GFI

Client: Griffin International  
Client Designation: Nutting

Sample Qty/Type: 1 soil  
Date Received: July 14, 1995

## Acid and Base/Neutral Extractable Organic Compounds

Page 1 of 2

Sample ID:	Stockpile
Matrix:	Soil
Date of Extraction:	7/17/95
Date of Analysis:	7/25/95
Units:	µg/kg
Analyst:	BDS
EPA Method:	8270

### Acid Extractable Compounds

Phenol	< 300
2-Chlorophenol	< 300
2,4-Dichlorophenol	< 300
2,4,5-Trichlorophenol	< 2,000
2,4,6-Trichlorophenol	< 300
Pentachlorophenol	< 2,000
2-Nitrophenol	< 300
4-Nitrophenol	< 2,000
2,4-Dinitrophenol	< 2,000
2-Methylphenol	< 300
3-Methylphenol/4-Methylphenol	< 700
2,4-Dimethylphenol	< 300
4-Chloro-3-methylphenol	< 2,000
4,6-Dinitro-2-methylphenol	< 2,000
Benzoic acid	< 2,000

### Base/Neutral Extractable Compounds

N-Nitrosodimethylamine	< 300
N-Nitroso-di-N-propylamine	< 300
N-Nitrosodiphenylamine	< 300
Bis (2-chloroethyl) ether	< 300
Bis (2-chloroisopropyl) ether	< 300
Bis (2-chloroethoxy) methane	< 300
1,3-Dichlorobenzene	< 300
1,4-Dichlorobenzene	< 300
1,2-Dichlorobenzene	< 300
1,2,4-Trichlorobenzene	< 300
2-Chloronaphthalene	< 300
4-Chlorophenyl phenyl ether	< 300
4-Bromophenyl phenyl ether	< 300
Hexachloroethane	< 300
Hexachlorobutadiene	< 300
Hexachlorocyclopentadiene	< 300
Hexachlorobenzene	< 300
4-Chloroaniline	< 2,000
2-Nitroaniline	< 2,000
3-Nitroaniline	< 2,000
4-Nitroaniline	< 2,000

Approved By: Timothy Schaper, Organics Supervisor



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 3099 GFI

Client: Griffin International  
Client Designation: Nutting

Sample Qty/Type: 1 soil  
Date Received: July 14, 1995

## Acid and Base/Neutral Extractable Organic Compounds

Page 2 of 2

Sample ID:	Stockpile
Matrix:	Soil
Date of Extraction:	7/17/95
Date of Analysis:	7/25/95
Units:	µg/kg
Analyst:	BDS
EPA Method:	8270

### Base/Neutral Extractable Compounds (continued)

Benzyl Alcohol	< 2,000
Nitrobenzene	< 300
Isophorone	< 300
2,4-Dinitrotoluene	< 300
2,6-Dinitrotoluene	< 300
Benzidine	< 2,000
3,3'-Dichlorobenzidine	< 2,000
Pyridine	< 2,000
Azobenzene	< 300
Dimethylphthalate	< 300
Diethylphthalate	< 300
Di-n-butylphthalate	< 300
Butylbenzylphthalate	< 300
Bis(2-ethylhexyl)phthalate	< 300
Di-n-octylphthalate	< 300
Naphthalene	2,000
2-Methylnaphthalene	5,000
Acenaphthylene	< 300
Acenaphthene	< 300
Dibenzofuran	< 300
Fluorene	< 300
Phenanthrene	< 300
Anthracene	< 300
Fluoranthene	< 300
Pyrene	< 300
Benz[a]anthracene	< 300
Chrysene	< 300
Benzo[b]fluoranthene	< 300
Benzo[k]fluoranthene	< 300
Benz[a]pyrene	< 300
Indeno[1,2,3-c,d]pyrene	< 300
Dibenz[a,h]anthracene	< 300
Benzo[g,h,i]perylene	< 300

Approved By: Timothy Schaper, Organics Supervisor



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 3099 GFI

Client: Griffin International  
Client Designation: Nutting

Sample Qty/Type: 1 soil  
Date Received: July 14, 1995

## Pesticides and PCBs

Sample ID:	Stockpile
Matrix:	Soil
Date of Extraction:	7/17/95
Date of Analysis:	7/19/95
Units:	µg/kg
Analyst:	TDS
Method:	8080
Dilution Factor:	5*

Aldrin	< 50
alpha-BHC	< 50
beta-BHC	< 50
gamma-BHC	< 50
delta-BHC	< 50
Chlordane	< 500
4,4'-DDT	< 50
4,4'-DDE	< 50
4,4'-DDD	< 50
Dieldrin	< 50
Endosulfan I	< 50
Endosulfan II	< 50
Endosulfan Sulfate	< 50
Endrin	< 50
Endrin Aldehyde	< 50
Heptachlor	< 50
Heptachlor Epoxide	< 50
Methoxychlor	< 50
Toxaphene	< 500
PCB-1016	< 500
PCB-1221	< 500
PCB-1232	< 500
PCB-1242	< 500
PCB-1248	< 500
PCB-1254	< 500
PCB-1260	< 500

\* Dilution factor is necessary due to the presence of non-target compounds.

Approved By: Timothy Schaper, Organics Supervisor



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 3099 GFI

Client: Griffin International  
Client Designation: **Nutting**

Sample Qty/Type: 1 soil  
Date Received: July 14, 1995

## Petroleum Hydrocarbons

Sample ID:	Stockpile
Matrix:	Soil
Date of Extraction:	7/17/95
Date of Analysis:	7/19/95
Units:	mg/kg
Analyst:	DJS
Method:	8100(mod)

<b>Identification</b>	<b>Carbon Range</b>	
Weathered Fuel Oil	C10-C24	300

Approved By: Timothy Schaper, Organics Supervisor



# LABORATORY REPORT

Eastern Analytical, Inc. ID#: 3099 GFI

Client: Griffin International

Client Designation: Nutting

Sample ID:	Stockpile		Date of	EPA
Matrix:	Soil		Analysis	Analyst
Date Rec'd:	07/14/95			Method
Units:	mg/L			
<b>TCLP Metals</b>				
Arsenic	< 0.5		07/19/95	RW 6010
Barium	< 0.5		07/19/95	RW 6010
Cadmium	< 0.05		07/19/95	RW 6010
Chromium	< 0.1		07/19/95	RW 6010
Lead	< 0.5		07/19/95	RW 6010
Mercury	< 0.01		07/21/95	JG 7470
Selenium	< 0.5		07/19/95	RW 6010
Silver	< 0.05		07/19/95	RW 6010
<b>Inorganic Non-Metals (mg/kg)</b>				
pH (SU)	7.2		07/18/95	JG 9045
Reactive Cyanide	< 0.2		07/20/95	HS 7.3.3.2
Reactive Sulfide	< 1		07/20/95	HS 7.3.4.2
<b>Physical Properties</b>				
Flashpoint (°F)	> 140		07/18/95	LO 1010

Approved by: Lorraine Olashaw, Inorganics Supervisor Lorraine Olashaw



