

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL & HAZARDOUS MATERIALS REPORT

**Spill Number:** A-550-2004

**Report Status:** Final Report

**MCD Town:** THOMASTON  
**Local Name:** THOMASTON  
**Primary Responder:** GLEN WALL  
**Primary Product:** Unknown Substance {12} - 2 gals. ESTIMATE  
**Subject/Owner:** DRAGON PRODUCTS CO - -

**I. EVENT**

**Spill Info**

Type Non-Oil, Non-Hazardous Incident {1}  
Source Storage Unit - Drum {DR}  
Cause Other - Unknown {18}

**Spill Date/Time**

Date and Time Unknown

**Reporter Type/Detection Method**

Type Subject/Spiller {2}  
Method Visual Product {L}

**Reported Date/Time**

09/23/2004 10:10

**Subject/Owner (Potential Responsible Party)**

Contact --DRAGON PRODUCTS CO  
PO BOX 191  
RT 1  
THOMASTON ME 04861 USA  
207-594-5555

Comment

**Reporter**

Contact ANN THAYER--DRAGON PRODUCTS CO  
PO BOX 191  
RT 1  
ME 04861 USA  
207-594-5555

Comment

**Primary Responder and Other Employees**

GLEN WALL (Primary Responder)

No Further Response Action Expected

**II. SITE**

**Location**

Location Type Business - Industrial {ID}  
Name DRAGON PRODUCTS - QUARRY  
Street Address RT 1  
MCD Town THOMASTON  
Local Name THOMASTON  
State/Province ME

**Spill Point**

UTM North  
UTM East

**Wells and Media Affected**

Wells Affected 0 Wells Impacted / 0 Wells At Risk  
Media Affected Land{L}

**Tanks Involved**

None

**III. CLEANUP****Product Reported**

Unknown Substance {12}

**Cleanup DTREE****Products Found/Amount Spilled**

Unknown Substance {12} / - 2 gals. ESTIMATE (Primary Product)

**Material Recovered**

Contaminated Soil {CS} - 22 cu. yds. ESTIMATE

**Recovery/Treatment Method**

Excavation {G}

**Disposal Information**

soil used in cement kiln process

**IV. NARRATIVE**

On 9-23-04, Dragon Products reported the discovery of four 55 gallon drums in the quarry. These drums were found during excavation and one of the drums rolled down a twenty foot slope. The operator stopped immediately and notified plant personnel. Ann Thayer, the environmental liaison/PR officer called this office. Thayer also called E.P.I., an environmental firm to assist in the identity and disposal of the contents of the drums. Only one drum contained liquid and a field test indicated no hazardous compounds. A soil sample was also collected and it was negative for heavy metals and Semi-volatile's (TCLP method), see attached report and lab analysis. As a precaution Ann had the operator excavate about 22 cubic yards of soil and this soil was recycled through the cement kiln.

Based on this information no further action will be required.

**V. ATTACHMENTS**

<b><u>Attachment Type</u></b>	<b><u>Description</u></b>	<b><u>File Name</u></b>
Paper Attach	MEMO/REPORT from Dragon, with lab results and photos	




P.O. Box 191, U.S. ROUTE 1, THOMASTON, MAINE 04861 • (207) 594-5555

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MEMORANDUM

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**TO:** GLEN WALL, MEDEP  
**FROM:** ANN W. THAYER, C.G.   
**SUBJECT:** DRUMS LOCATED IN DRAGON QUARRY  
**DATE:** 10/21/2004  
**CC:**

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In follow up to my verbal report to you on September 23, 2004, I have compiled the attached information regarding the 55-gallon drums that we uncovered in the Thomaston quarry. On the morning of September 23, 2004, equipment operator Dave Whiting was excavating fill in the Thomaston quarry. At approximately 10:00 am, he noted a rusted drum roll down the slope. The drum was leaking a dark colored liquid. Whiting immediately stopped operations and contacted Quarry Supervisor, Bill Stanbaugh. I received a phone call from the quarry personnel describing the situation and arranged for environmental contractor EPI to travel with me to the site. I reported the available information to you.

We arrived at the site and were able to see approximately 4 whole drums or drum parts. The drums were located in the side of a fill slope. The slope was about 15 to 20 feet high and the drums that were still in place were about 4 feet down. There was no odor of petroleum noted and Whiting did not indicate that he smelled petroleum when the drums were first uncovered. On my direction, Whiting used the excavator to excavate from the surface to determine that there were no additional drums behind the drums visible in the slope. We did not find additional drums beyond those initially visible.

Whiting removed the visible drums from the banking to the ground surface and we made a visual inspection. With the exception of one drum, the drums were empty and did not contain any evidence of residual products. The drums were rusted and did not contain any labels. As noted on the attached captioned picture, one of the drums contained a dark colored residual. There was a very slight petroleum odor and the residual seemed to be predominately water and rust. EPI tested the residual in the drum with a chlor-n-sol kit. Results indicated that no chlorinated compounds were present. Dragon collected a composite sample of the soil in the vicinity of the drums. The sample was analyzed by Maine Environmental Laboratory. Sample results supported that the soil was non-hazardous. Photographs of the drum location and analytical results are attached.

The quarry excavated soils in the vicinity of the drums and soils that were stained by liquid from the drum that rolled down the embankment. The soils were disposed of through the cement kiln in accordance with our oil contaminated soil license.

## ***ATTACHMENT***

### ***PHOTOGRAPHS OF DRUMS UNCOVERED IN DRAGON'S QUARRY***

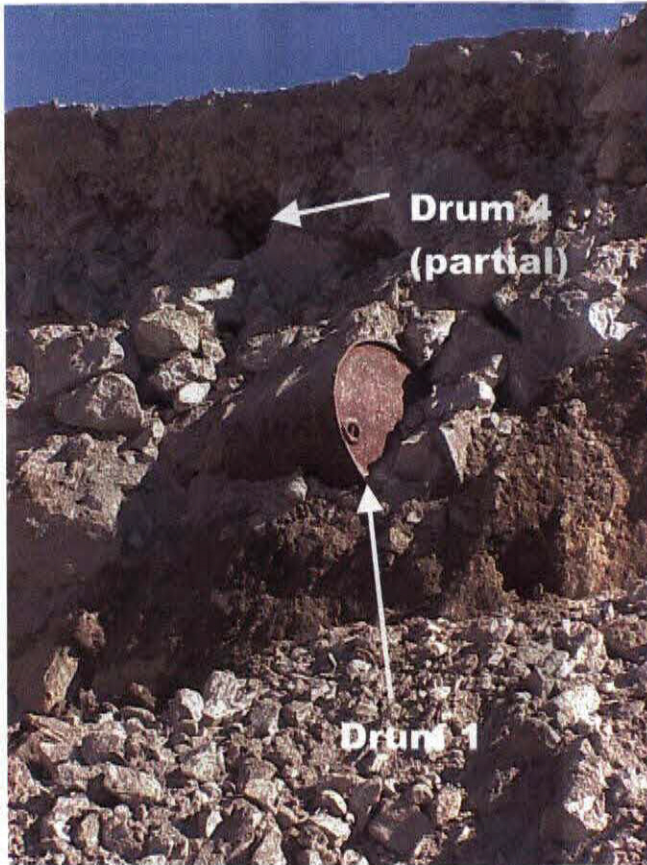


Photo 1 - Drum 1 shown in banking. Drum 1 was found to be empty and did not contain any detectable sludge or residual. Drum 4 was a partial drum that appeared to be an opened top empty drum.

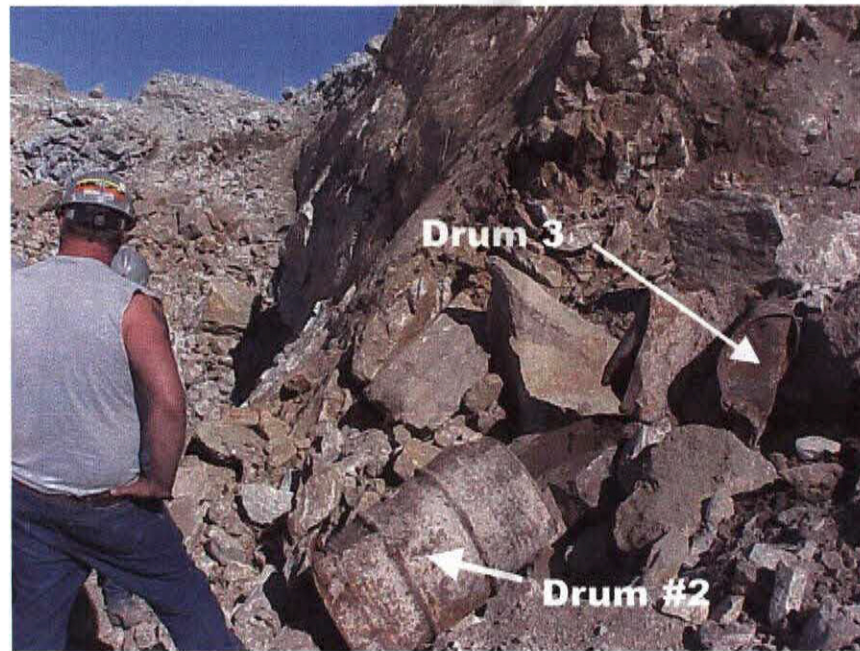


Photo 2 - Drum 2 shown at base of the slope after it rolled down from the excavation higher in the slope. This drum was also found to be empty. Drum 3 was crushed and contained an oily residue (see photo 3).



Photo 3 – Drum 3 was partially crushed during the excavation. Oily residue was spilled on rocks and surrounding soil. Environmental Projects tested residue from the drum for chlorinated compounds using a chlor-d-tect kit. Dragon collected a composite soil sample and Maine Environmental Laboratory completed an analysis of the sample.

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# Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107

Tel (207) 846-6569

Fax (207) 846-9066

e-mail: melab@ime.net

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Ann W. Thayer  
Dragon Products Company  
PO Box 191  
Thomaston, ME 04861

October 07, 2004

Page 1 of 2

Report No.: DPC072-04

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Enclosed are the results of the analyses requested on your samples as received by the laboratory. Samples were received in acceptable condition and analyzed within method holding times with all quality control data within laboratory acceptance limits unless noted below. Reporting detection limits are the minimum levels for reporting quantitative data. These limits are 3.18 times the method detection limit as defined in CFR 40 Part 136, Appendix B. Data reported between the reporting and method detection limits are J flagged as estimated. Maine Environmental Laboratory is certified by Maine, Massachusetts, New Hampshire and NELAP (cert.#2031). A list of certified parameters is available on request. This report shall not be reproduced, except in full, without the written consent of the laboratory. The complete report consists of the following sections.

Maine Environmental Laboratory report

Chain of custody form

Analytics Environmental Laboratory report

## References

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EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.

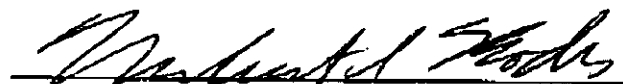
SW8 - SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition, 1986.

STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA, AWWA, WPCF, 1992.

CLP - USEPA CLP Statement of Work for Inorganics, ILMO3.0.

AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature



Herbert S. Kodis, laboratory director

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# Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107

Tel (207) 846-6569

Fax (207) 846-9066

e-mail: melab@ime.net

Ann W. Thayer  
Dragon Products Company  
PO Box 191  
Thomaston, ME 04861

Page 2 of 2

October 07, 2004

Report No: DPC072-04  
Date received: 09/24/04  
Project ID: Quarry  
Laboratory ID: DPC07204-01

Sampler: Greiner/Thayer  
Sampling date: 09/23/04  
Sample matrix: Soil  
Sample ID: Quarry 23SP04

## Toxicity Characteristic Leaching Procedure

### TCLP - Method 1311 - SW846

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Regulatory Limit	Matrix Spike % recovery	Method References
Arsenic	ND	mg/L	09/29/04	0.1	5.0	88.0	1311/7060A
Barium	0.4	mg/L	10/04/04	0.4	100	96.0	1311/3010A/7080A
Cadmium	ND	mg/L	09/29/04	0.04	1.0	96.0	1311/3010A/7130
Chromium	ND	mg/L	09/29/04	0.4	5.0	96.0	1311/3010A/7190
Lead	0.1 J	mg/L	09/28/04	0.4	5.0	96.0	1311/3010A/7420
Mercury	ND	mg/L	10/04/04	0.005	0.2	95.0	1311/7470A
Selenium	ND	mg/L	09/30/04	0.1	1.0	68.0	1311/7740
Silver	ND	mg/L	09/29/04	0.5	5.0	83.0	1311/7760A

### TCLP extraction data

Initial pH: 9.33 su  
Final pH: 6.49 su

Extraction date: 09/27/04  
Extraction fluid: No. 1

Extraction fluid no. 1 is 0.57% acetic acid adjusted to pH 4.93 su.

ND = not detected, E = estimated, B = detected in blank, S = RDL increased due to sample matrix



195 Commerce Way Suite E  
Portsmouth, New Hampshire 03801  
603-436-8111 Fax 603-430-2151  
800-929-9906  
www.analyticslab.com

Mr. Herb Kodis  
Maine Environmental Laboratory, Inc.  
PO Box 1107  
Yarmouth, ME 04096-1107

Report Number: 52693

Revision: Rev. 0

Re: DPC 072-04

Enclosed are the results of the analyses on your sample(s). Samples were received on 28 September 2004 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

<u>Lab Number</u>	<u>Sample Date</u>	<u>Station Location</u>	<u>Analysis</u>	<u>Comments</u>
52693-1	09/23/04	Quarry23SP04	EPA 8270 (TCLP Semivolatiles)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature

Stephen L. Knollmeyer Lab. Director

Date

10/5/04

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105 Commerce Way  
 Portsmouth, New Hampshire 02801  
 603-430-5111 Fax 603-430-7151  
 800-927-9306

October 5, 2004

Mr. Herb Kodis  
 Mains Environmental Laboratory, Inc.  
 PO Box 1107  
 Yarmouth, ME 04096-1107

**SAMPLE DATA**

Lab Sample ID: 52693-1  
 Matrix: Aqueous  
 Percent Solid: N/A  
 Dilution Factor: 5.0  
 Collection Date: 09/23/04  
 Lab Receipt Date: 09/28/04  
 TCLP Extraction Date: 09/28/04  
 Preparative Extraction Date: 09/29/04  
 Analysis Date: 09/29/04

**CLIENT SAMPLE ID**

Project Name: DPC 072-04  
 Project Number:  
 Field Sample ID: Quarry23SP04

**ANALYTICAL RESULTS TCLP SEMI-VOLATILE ORGANICS**

COMPOUND	Quantitation Limit µg/L	Result µg/L	Regulatory Limit µg/L	Matrix Spike Percent Recovery
2-Methylphenol	25	U	200,000	62
3+4-Methylphenol	25	U	200,000	54
1,4-Dichlorobenzene	10	U	7,500	30
2,4-Dinitrotoluene	10	U	130	78
Hexachlorobenzene	10	U	130	77
Hexachlorobutadiene	10	U	500	65
Hexachloroethane	10	U	3,000	58
Nitrobenzene	10	U	2,000	74
Pentachlorophenol	50	U	100,000	68
Pyridine	10	U	5,000	40
2,4,5-Trichlorophenol	25	U	400,000	80
2,4,6-Trichlorophenol	25	U	2,000	75

**Surrogate Standard Recovery**

2-Fluorophenol	35 %	d5-Phenol	26 %	d5-nitrobenzene	65 %
2-Fluorobiphenyl	60 %	2,4,6-Tribromophenol	68 %	d14-p-terphenyl	74 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

**METHODOLOGY:** TCLP sample extraction was performed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 1311." TCLP extract analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

Authorized signature *Melina Colali*

MEL

<b>MAINE ENVIRONMENTAL LABORATORY- Chain of Custody</b> One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066 e-mail: melab@ime.net										ANALYSES										LABORATORY REPORT		
PROJECT MANAGER <b>A. Thayer</b>					TELEPHONE			FAX # / E-MAIL		TCLP SVOCs											Delivered by _____	
COMPANY					PURCHASE ORDER # / BILL TO																TURNAROUND REQUIREMENT <input checked="" type="checkbox"/> Standard 10/6/04 <input type="checkbox"/> Priority (SURCHARGE)	
ADDRESS					PROJECT NAME <b>DPC072-04</b>					SAMPLER NAME											Quote # _____	
SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION		SAMPLE MATRIX	GRAB	COMP	METHOD PRESERVED	SAMPLING		TCLP SVOCs <th colspan="10" rowspan="2"></th> <th rowspan="2">LABORATORY IDENTIFICATION / SUBCONTRACTOR <b>52693-1</b></th>											LABORATORY IDENTIFICATION / SUBCONTRACTOR <b>52693-1</b>
			YES	NO					DATE	TIME												
Quarry 23SPO4		G	X		Extract		X	4°C	9/23/04	1615	X											

received within hold time  yes  no  N/A    Custody seal present  yes  no  
 received in good condition  yes  no  N/A  
 imp. Blank °C **6** / Frozen ice packs  N/A  
 imples received preserved  yes  no  N/A **UNBLS CHECKED PHIB 9/28/04**

COMMENTS  
**Extraction Date: 9/28/04**

RELINQUISHED BY SAMPLER: \_\_\_\_\_  
 RELINQUISHED BY: **[Signature]** DATE: **9/28/04** TIME: **12:36**  
 RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_  
 RECEIVED BY: **[Signature]**  
 RECEIVED BY LABORATORY: \_\_\_\_\_

10-05-2004 17:23  
 FORM-ANALYTICS  
 1-604 P 003/003 F-946

C-03