

DISCHARGE REPORT

6700 Alexander Bell Drive
Suite 400
Columbia, MD 21046

(410) 290-2300

July 13, 1999
GP-L-71199180

Maryland Department of the Environment
Waste Management Administration
Oil Control Program
2500 Broening Highway
Baltimore, Maryland 21224

*Subject: Discharge Permit Number 99-OGR-6505 (MDG916505) for the
Baltimore Vehicle Maintenance Facility, Baltimore, Maryland*

Dear Sir or Madam:

Enclosed, please find the completed NPDES Discharge Monitoring Report (DMR) and Removed Substances Reporting Form with associated maps for the above-referenced discharge permit number. Laboratory analytical results are also enclosed for the treated water sample analyzed for BTEX, naphthalene, MTBE, and TPH. A table documenting the amount of water treated and discharged to the on-site storm sewer is also included.

The water treatment system composed of (2) 200-lb carbon canisters was set-up by:

Environmental Resolutions, Inc.
14609 Jaystone Dr.
Suite 100
Silver Spring, MD 20905
Phone: (301) 879-3636

Sample analysis was performed by:

GPL Laboratories, LLLP
202 Perry Parkway
Gaithersburg, MD 20877
Phone: (301) 926-6802

Please do not hesitate to contact me at (410) 290-2357 if you have any questions about this letter or enclosed material.

Sincerely,
GENERAL PHYSICS CORPORATION



Patrick Nolan
Geologist

PERMITTEE NAME / ADDRESS (include Facility Name / Location if different)
 Name: United States Postal Service
 Address: 10400 Little Patuxent Parkway
 Columbia, MD 21044-3510

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)
 MDG916505
 PERMIT NUMBER: 001
 DISCHARGE NUMBER

Form Approved.
 OMB No. 2040-0004
 Approval expires 9-30-85

Facility Baltimore Vehicle Maintenance Facility
Location 50-60 West Oliver Street
 Baltimore City, MD 21201

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
99	04	27		99	05	06

Check here for no discharge.

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE																																							
		AVERAGE	MAXIMUM	MINIMUM		AVERAGE	MAXIMUM	UNITS																																										
BENZENE, ETHYL BENZENE, TOLUENE, XYLENE COMBEN 30283 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX		BQL	100	μg/l	0	1/30	GRAB																																							
TOLUENE 34010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX		BQL	< 5	μg/l	0	1/30	Grab																																							
BENZENE 34030 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX		BQL	< 5	μg/l	0	1/30	Grab																																							
ETHYL BENZENE 37371 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX		BQL	5	μg/l	0	1/30	GRAB																																							
FLOW IN CONDUIT OR THROUGH TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT PERMIT REQUIREMENT	4,160	7,300		gpd		< 5		0	1/30	Est.																																							
XYLENE 81551 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX		BQL	< 5	μg/l	0	1/30	Grab																																							
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER																																																		
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)																																																		
<table border="0"> <tr> <td colspan="6">TERESA A. RILEY</td> <td colspan="6">SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</td> </tr> <tr> <td colspan="6">410-884-1812</td> <td colspan="6">TELEPHONE NUMBER</td> </tr> <tr> <td colspan="3">TYPED OR PRINTED</td> <td colspan="3">DATE</td> <td colspan="3">YEAR</td> <td colspan="3">MONTH</td> <td colspan="3">DAY</td> </tr> </table>												TERESA A. RILEY						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						410-884-1812						TELEPHONE NUMBER						TYPED OR PRINTED			DATE			YEAR			MONTH			DAY		
TERESA A. RILEY						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT																																												
410-884-1812						TELEPHONE NUMBER																																												
TYPED OR PRINTED			DATE			YEAR			MONTH			DAY																																						

STATE OF MARYLAND
Department of the Environment

REMOVED SUBSTANCES REPORTING FORM

INSTRUCTIONS: Use this form to report the disposal of substances resulting from (1) treatment of wastewaters and (2) related manufacturing processes as required by the State of Maryland "Water Quality and Water Pollution Control Regulations," COMAR 26.08.01. Use of a separate form for each waste which is disposed of in a different manner. If several wastes are mixed before disposal, each waste must be separately described regardless of the quantity. **NOTE:** Submission of this form does not replace annual reporting of hazardous wastes are required by State of Maryland Regulation "Disposal of Controlled Hazardous Substances," COMAR 26.13.01.

1. DISCHARGE PERMIT NUMBER 99-OGR-6505 (MDG916505)
2. NAME OF FACILITY Baltimore Vehicle Maintenance Facility
3. FACILITY MAILING ADDRESS United States Postal Service, Metro Facilities Office
10400 Little Patuxent Pkwy, Columbia, MD 21044-3510
4. LOCATION OF FACILITY (if different from Item 3) 50-60 West Oliver Street
Baltimore City, MD 21201
5. FACILITY CONTACT (Name and Phone) Teresa A. Riley (410) 884-1812
6. DESCRIBE the nature of the removed substance (waste oil, sludge, etc.):
Water used to fill abandoned Underground Storage Tanks (USTs)
7. DESCRIBE the treatment process or the manufacturing process that generated the Removed Substance (precipitation, settling, etc.)
Water was passed thru (2) 200lb carbon units (in sequence) prior to discharge.
8. DESCRIBE the physical character of the Removed Substance (liquid, solid, sludge, etc.)
Water used to fill abandoned USTs.

If sludge, what percent solids? -----

Is a chemical analysis attached? Yes No

9. QUANTITY of Removed Substance 45,760 Measured _____ Estimated _____
Liquids: Average gallons/week 29,120 Maximum gallons/week 34,800
Solids or Sludges: Average tons/week ----- Maximum tons/week ----

10. MEANS OF DISPOSAL: On-site (at facility location) _____ Off-Site

11. WASTE HAULER (Name) -----
(address) -----

12. DISPOSAL SITE (If not facility location) -----

13. OTHER. Explain substances. (If wastes are stored on site, describe method of storage, type of container, storage area, pretreatment, etc.)
Liquid wastes stored on-site in two (2) temporary 25,000-gallon capacity
aboveground storage tanks (ASTs). Liquid waste volumes were treated and discharged
as described in attached Table 1.

14. MAP. Attach a copy of a U.S.G.S. 7½ minute quadrangle map (or equivalent) showing the disposal or storage site. The map must show all water courses within ½ mile of the site.

15. CERTIFICATION. I hereby certify that the information on this form and the attachments is true and accurate to the best of my knowledge and belief.

Tamm A. Riley
Signature of Permittee of Agent

7-15-99
Date

Send to: Department of the Environment, Waste Management Administration,
Oil Control Program, 2500 Broening Highway, Baltimore MD 21224

Baltimore West, MD Quadrangle

Baltimore East, MD Quadrangle



SCALE 1:24 000

0 1000 2000 3000 4000 5000 6000 7000 FEET
0 1 KILOMETER



4B

UNIVERSITY OF
BALTIMORE

JONES FALLS F

5

JUST FIELD SCHEDULE

	CONTENTS	STATUS
on	Gasoline	Removed in May 1993
n	Diesel	Removed in May 1993
	New Motor Oil	Removed in June 1993
	Waste Oil	Removed in June 1993
on	Oil/Water Separator	AIP June 1993
n	#2 Fuel Oil	AIP June 1993
	Gasoline	Removed in March 1999
n	Diesel	Removed in March 1999
	Waste Oil	AIP March 1999
on	Diesel	Removed in April 1999
on	Diesel	Removed in March 1999
	Unknown	Removed in March 1999

LEG

- x - FENCE
- - - RETAINING WALL
- ROAD

- ⊕ MONITOR
- ⊙ ABANDONED
- ⊗ LIGHT POLLUTION

MAINTENANCE FACILITY SITE PLAN

CARTOGRAPHER: B. JOYCE	APPROVED BY: P. NOLAN
DATE: 05-24-99	FIGURE: 1



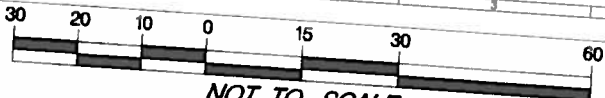
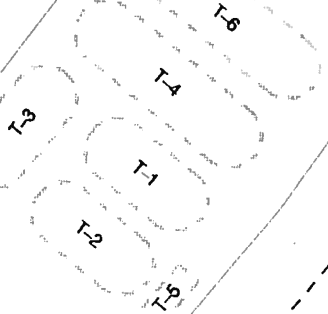
JONES FALLS EXPRESSWAY

TREATED WATER DISCHARGE

UNCOVERED MANHOLE



EXCAVATION



NOT TO SCALE
APPROXIMATELY 1" = 30'

1:360

LEGEND

- Retaining Wall
- x- Fence
- Light Pole
- Storm Inlet
- Underground Storm Utility
- Former UST
- ⊙ Manhole



6700 Alexander Bell Drive
Columbia, MD 21046

(800) 727-8677
www.genphysics.com

TITLE:

BALTIMORE VMF TANK FIELD #5 EXCAVATION

CARTOGRAPHER:

B. JOYCE

APPROVED BY:

P. NOLAN

DATE:

05-24-99

FIGURE:

2

d:\prj\aberdeen\carto\oliver\ustfield5.dgn

GP Work Order # 9904244

SAMPLE ANALYSIS REPORT

Prepared For:

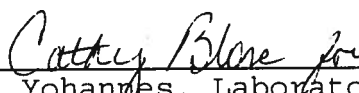
GENERAL PHYSICS CORPORATION
6700 ALEXANDER BELL DRIVE
COLUMBIA, MD 21046

BALTO.VMF ABANDONEDUST FSO-740

Prepared By:

GPL Laboratories, LLLP
202 Perry Parkway
Gaithersburg, MD 20877

May 11, 1999



Yemane Yohannes, Laboratory Director

GPL LABORATORIES, LLLP
ANALYTICAL RESULTS

Project: BALTO.VMF ABANDONEDUST FSO-740

GENERAL PHYSICS CORPORATION
6700 ALEXANDER BELL DRIVE
COLUMBIA, MD 21046
Atten: READ COMMENTS

GPL LABORATORIES, I.L.P.
202 Perry Parkway
Gaithersburg, MD 20877

Atten: Client Services
Phone: (301) 926-6802

Certified by: CB

SAMPLE IDENTIFICATION

<u>GP ID</u>	<u>Client ID</u>
9904244-01A	TREATED WATER
9904244-01B	
9904244-01C	
9904244-01D	
9904244-01E	
9904244-01F	

GPL LABORATORIES, LLLP
ORGANIC ANALYSIS RESULTS

GP ID: 9904244-01A
Client ID: TREATED WATER
Collected: 04/27/99
Dilution: 1

Matrix: WATER
Method: SW846 8260
Units: ug/L

Analyst: ABC
Analyzed: 05/03/99
Prepared:

VOLATILE TARGET COMPOUNDS

Parameter	Result	Rep.Lim.	Qualifier
Benzene	BQL	5	
Ethylbenzene	BQL	5	
MTBE	BQL	5	
Naphthalene	BQL	5	
Toluene	BQL	5	
Xylenes (total)	BQL	5	

GPL LABORATORIES, LLLP
ORGANIC ANALYSIS RESULTS

GP ID: 9904244-01D
Client ID: TREATcD WATER
Collected: 04/27/99
Dilution: 1

Matrix: WATER
Method: 8015 MODIF.
Units: mg/L

Analyst: TK
Analyzed: 04/29/99
Prepared: 04/29/99

GC TARGET COMPOUNDS

<u>Parameter</u>	<u>Result</u>	<u>Rep.Lim.</u>	<u>Qualifier</u>
Diesel Fuel	BQL	0.2	
Fuel oil #2	BQL	0.2	
Gasoline	BQL	0.2	
Heavy Oil	BQL	1	
Jet Fuel	BQL	0.2	
Kerosene	BQL	0.2	
Mineral Oil	BQL	0.2	
Naphtha	BQL	0.2	
Paint Thinner	BQL	0.2	
Stoddard Solvent	BQL	0.2	
Total Unknown	BQL	0.2	

GPL LABORATORIES, LLLP

Possible notes and definitions for this report:

- BQL** = Below Quantitation Limit
- J** = Value is less than the reporting limits but greater than zero
- P** = Indicates that there is greater than 25% difference for detected pesticide/Aroclor results between the two GC columns
- B** = Indicates that the compound was found in the associated blank
- E** = Indicates that the concentration exceeded the calibration range of the instrument
- U** = Indicates that the compound was analyzed for but not detected, number indicates the detection limit
- D** = Indicates that the compound was found in an analysis at a secondary dilution factor
- *** = Value obtained from a 1:5 dilution
- +** = Value obtained from a 1:10 dilution
- #** = Value obtained from a 1:20 dilution
- =** = Value obtained from a 1:25 dilution
- ^** = Value obtained from a 1:50 dilution
- ~** = Value obtained from a 1:100 dilution
- !** = Value obtained from a 1:250 dilution
- @** = Value obtained from a 1:125 dilution (medium level)
- \$** = Value obtained from a 1:500 dilution
- &** = Value obtained from a 1:1000 dilution
- N** = Flashpoint not observed; heated to specified limit
- R** = Flammable at room temperature
- TNTC** = Too numerous to count
- B.P.** = Detection limit taken from boiling point
- F.F.** = Sample gave off flammable fumes

SAMPLE RECEIPT CHECKLIST

W.O. No. 99-04-244 Carrier Name B. AL
 Client Name GEN. P. Prepared (Logged In) By [Signature] Initials [Signature] Date 4/28/99
 Date Received 4/28/99 Project BACT. VINE
 Time Received 14:33 Site _____
 Received By B. AL VOA Holding Blank I.D. No. _____

Airbill/Manifest Present? No. _____	YES NO — <input checked="" type="checkbox"/>	Trip Blanks Received? No. of Sets _____	YES NO — <input checked="" type="checkbox"/>
Shipping Container in Good Condition?	<input checked="" type="checkbox"/> —	VOA Vials Have Zero Headspace?	<input checked="" type="checkbox"/>
Custody Seals Present on Shipping Container? Condition: Good _____ Broken _____	— <input checked="" type="checkbox"/>	Preservatives Added to Sample?	<input checked="" type="checkbox"/>
Chain-of-Custody Present?	<input checked="" type="checkbox"/> —	pH Check Required? Performed By? _____	— <input checked="" type="checkbox"/>
Chain-of-Custody Agrees with Sample Labels?	<input checked="" type="checkbox"/> —	Ice Present in Shipping Container?	<input checked="" type="checkbox"/> (cubed)
Chain-of-Custody Signed?	<input checked="" type="checkbox"/> —	Container# _____ Temperature _____	
Packing Present in Shipping Container? Type of Packing <u>BAGS</u>	<input checked="" type="checkbox"/> —	<u>41</u> <u>3.1</u>	
Custody Seals on Sample Bottles? Condition: Good _____ Broken _____	— <input checked="" type="checkbox"/>	_____	
Total Number of Sample Bottles <u>6</u>		<u>4/28/99</u>	
Total Number of Samples <u>1</u>		_____	
Samples Intact?	<input checked="" type="checkbox"/> —	Project Manager Contacted?	
Sufficient Sample Volume for Indicated Test?	<input checked="" type="checkbox"/> —	Name: <u>CAKWOOD</u>	
		Date Contacted: <u>4/28/99</u>	

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts they should be marked N/A.

COMMENTS: _____

Checklist Completed by [Signature]
 Date 4/28/99

TABLE 1
Baltimore Vehicle Maintenance Facility
Treated Water Data

Date	Aboveground Tank Number	Start (gallons)	Added (gallons)	Ended (gallons)	Treated & Discharged (gallons)
4/27/99	Tank #1	21,000	0	21,000	0
	Tank #2	15,000	0	10,500	4,500
4/28/99	Tank#1	21,000	0	21,000	0
	Tank #2	10,500	6,300	15,000	1,800
4/29/99	Tank #1	21,000	0	21,000	0
	Tank #2	15,000	0	8,600	6,400
4/30/99	Tank#1	21,000	0	18,400	2,600
	Tank #2	8,600	3,000	6,900	4,700
4/31 – 5/2/99	Tank #1	18,400	0	3,600	14,800
	Tank #2	6,900	0	6,900	0
5/3/99	Tank#1	3,600	6,900*	8,400	2,100
	Tank #2	6,900	0	0	0
5/4/99	Tank #1	8,400	0	2,300	6,100
	Tank #2	0	0	0	0
5/5/99	Tank#1	2,300	460	960	1,800
	Tank #2	0	0	0	0
5/6/99	Tank #1	960	0	0	960
				Total Water Treated (gallons)	45,760

Notes: * - Contents of tank #2 transferred to tank #1.

Aboveground storage tank #1 was cleaned and removed from the site on 5/5/99.

Aboveground storage tank #2 was cleaned and removed from the site on 5/7/99.

Author: EnRes@aol.com at INTERNET
Date: 5/11/99 2:45 PM
Priority: Normal
TO: DAWN LEBEK at BAMD001L
CC: BOB L WILLIAMS at COMD002L
Subject: Schedule Update

We completed our exploratory digging yesterday looking for more tanks at Baltimore VMF. We dug an additional 25'x25' hole next to the far side of the removal area (where the drawing indicated more circles). We found no evidence of any more tanks and no more lines. We also dug in the back corner and found a storm sewer manhole where the circle was on the drawing. (This area was behind the existing fence, in the woods.) We are therefore, moving forward with the backfilling of the entire area. We have removed all the contaminated soil and treated all the water. To date, 1/3 of the hole is backfilled.

We are waiting for more recycled concrete to be made for use as backfill, so we will move over this week to complete Parkville (AST hook-up and asphalt patch). Today, I called Larry at the Parkville VMF and requested he get his old AST pumped out so we can move it and replace it with the new tank.

Let me know if you have any questions or concerns.

Peggy