



# PETROLEUM MANAGEMENT, INC.

## *Environmental Services Division*

2138 Priest Bridge Ct., Suite 10 ♦ Crofton, Maryland 21114

Phone: (410) 354-0200 ♦ Fax: (410) 721-1390



November 2, 2020

Maryland Department of the Environment  
Oil Control Program  
Attn: Lindley Campbell  
1800 Washington Blvd., Suite 620  
Baltimore, MD 21230-1719

**RE: Wiley H. Bates Middle School**  
**701 Chase St., Annapolis**  
**MDE Facility ID# 3200**  
**MDE Case# 18-0559-AA**

### LPH System Operation & Recovery Report

Dear Ms. Campbell,

In accordance with the MDE directives and approved Work Plan, a permanent and active Liquid Phase Hydrocarbon (LPH) recovery system was installed in groundwater monitoring wells MW-1 and MW-2 due to persisting LPH accumulations. The LPH recovery system was activated on 4/29/20 with skimmer pumps deployed at MW-1 and MW-2.

After a cumulative recovery of 68-gallons of LPH with only 0.5 gallons of water as measured on August 18, 2020, an additional 33.5-gallons of LPH has been recovered with only 0.5 gallons of water. The total cumulative LPH recovery by the system to date is now totaled at 101.5 gallons as last measured on October 20, 2020.

A follow-up LPH System Operation & Recovery Report will be submitted again after all recordings for November 2020 have been totaled. The next quarterly well sampling event for the site is schedule for the week of November 16, 2020. The results of this sampling event will be reported in a separate submittal.

Attached is our current log of recovery so far.

Please contact our office with any questions or concerns.  
Respectfully submitted,

A handwritten signature in black ink, appearing to read "W. Scott Alexander", is written over a horizontal line.

W. Scott Alexander  
Environmental Projects Manager

Enc.

cc: *Mr. Christopher Williams*  
*Environmental Health & Safety Manager*  
*Anne Arundel County Public Schools*  
*9034 Fort Smallwood Rd.*  
*Pasadena, MD 21122*

**BATES MIDDLE SCHOOL  
Remediation System Recovery Tank Log**

NOTE\*QED Skimmer Pumps deployed & activated at MW-1 & MW-2 following final EFR event on 4/29/20. Skimmer floats set at post-EFR groundwater depth of ~14 ft. below top of casing

Date:	Time:	Total Liquid			LPH			Water			LPH thickness		Comments/Notes:	
		inches	gallons	gain (+)	inches	gallons	gain (+)	inches	gallons	gain (+)	MW-1	MW-2		
4/30/2020	10:00	2.5	10	10	2.5	10	10	0	0	0				
5/6/2020	10:30	3.5	16.5	6.5	3.5	16.5	6.5	0	0	0			removed top row of inlet screws at MW-1 skimmer pump	
5/13/2020	11:15	5	28	11.5	5	28	11.5	0	0	0	0.15'	0.08'	removed 2nd row of inlet screws at MW-1 skimmer pump	
5/19/2020	8:20	6.5	41	13	6.5	41	13	0	0	0				
6/3/2020	9:30	7	46	5	7	46	5	0	0	0	0.06'	0.05'		
6/17/2020	11:30	8	55	9	8	55	9	0	0	0	0.09'	0.05'	removed 2 set screws from 2nd row inlet at MW-2 skimmer pump	
6/30/2020	11:30	8.25	57.5	2.5	8	57	2	0.25	0.5	0.5	0.09'	0.04'	removed 2 set screws from 3rd row inlet at MW-1 skimmer pump	
7/16/2020	10:15	8.5	60.5	3	8.25	60	3	0.25	0.5	0	0.07'	0.04'	removed 2 more screws from 3rd row inlet at MW-1 skimmer pump	
7/30/2020	12:30	8.5	60.5	0	8.25	60	0	0.25	0.5	0	0.04'	0.04'	no skimmer adjustments made this visit	
8/18/2020	10:30	9.25	68.5	8	9	68	8	0.25	0.5	0			MW-1 & MW-2 not measured this visit	
9/10/2020	10:00	11	88	19.5	10.75	87.5	19.5	0.25	0.5	0	0.12'	0.04'		
9/24/2020	12:15	11.5	93.5	5.5	11.25	93	5.5	0.25	0.5	0	0.09'	0.06'	removed last row of inlet screws at MW-1 and 3rd row of inlet screws at MW-2	
10/8/2020	11:30	12	99	5.5	11.75	98.5	5.5	0.25	0.5	0	0.08'	0.04'		
10/20/2020	10:15	12.25	102	3	12	101.5	3	0.25	0.5	0	1.81'	0.03'	*operating PSI at air compressor had decreased to 40 psi; AC adjusted back to 80 psi.	
<b>Cumulative Totals:</b>											<b>102</b>	<b>101.5</b>	<b>0.5</b>	