

June 12, 2019

Mr. Michael Terpinski
 Ohio EPA, NWDO, DERR
 347 North Dunbridge Road
 Bowling Green, OH 43402

**Re: Envirosafe Services of Ohio, Inc.
 EPA Identification Number: OHD 045 243 706
 May 2019 Progress Report**

Dear Mr. Terpinski:

In accordance with Condition E.13 of its Ohio Hazardous Waste Facility Installation and Operation Permit (the "Permit"), Envirosafe Services of Ohio, Inc. ("ESOI") hereby submits this progress report to the Ohio Environmental Protection Agency ("Ohio EPA") for the period beginning May 1, 2019 and ending May 31, 2019.

Corrective Measures Implementation ("CMI"):

Project Activities:

During this reporting period, CMI activities included the following:

1. Cap maintenance as outlined in the April 8, 2019 response to the FCI-CAC recommendations was completed on May 10, 2019 and a letter with photos was submitted to Ohio EPA on May 15, 2019.
2. Abandonment of inactive RFI well;
3. Semiannual performance elevation measurements for the leachate extraction system were completed. Each deep interior piezometer is below its gradient based Target Leachate Level (TLL) which is defined as an elevation 3.0 feet below the lowest groundwater elevation in the relevant shallow perimeter monitoring well(s);

<u>SWMU 5 - Central</u>				Highest / Lowest	Difference (out-in)
Interior Piezometers	PZ-5	NRP-24			
	570.83	561.36		570.83	
Exterior Wells	F-15	MR-4S	MR-7S		
	587.69	585.80	577.71	577.71	

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Interior Piezometers	RW-3	PZ-6								
	561.32	562.94						562.94		
Exterior Wells	F-1S	MR-7S								15
	587.69	577.71						577.71		

Interior Piezometers	PZ-7	RW-11	PZ-22	PZ-23						
	562.20	560.36	559.94	561.89				562.20		
Exterior Wells	F-1S	MR-1SA	MR-5S							16
	587.69	585.14	578.41					578.41		

<u>SWMU 5 - West</u>										
Interior Piezometers	PZ-13									
	571.60							571.60		
Exterior Wells	MR-2S	MR-6S								4
	578.03	575.58						575.58		

Interior Piezometers	NRP-31									
	569.49							569.49		
Exterior Wells	MR-6S	MR-7S								6
	575.58	577.71						575.58		

<u>SWMU 6</u>										
Interior Piezometers	NRP-25									
	579.21							579.21		
Exterior Wells	SW-1S									6
	585.62							585.62		

Interior Piezometers	NRP-26									
	582.06							582.06		
Exterior Wells	SW-2S									4
	586.14							586.14		

Interior Piezometers	RW-1	PZ-1	PZ-2	PZ-3	PZ-15	NRP-27	NRP-28			
	567.24	574.74	572.88	567.07	568.00	572.08	567.88	572.08		
Exterior Wells	SW-3S									17
	589.43							589.43		

Interior Piezometers	NRP-32	NRP-33								
	580.13	576.74						580.13		
Exterior Wells	H-2SA	SW-3S	T-5S	T-8S						9
	591.21	589.43	589.64	590.60				589.43		

<u>SWMU 7</u>										
Interior Piezometers	NRP-29									
	578.52							578.52		
Exterior Wells	H-2SA	SW-3S	T-5S	T-8S						11
	591.21	589.43	589.64	590.60				589.43		

Interior Piezometers	PZ-9	NRP-30	RW-34		
	580.98	584.30	583.71		
Exterior Wells	T-8S			584.30	
	590.60			590.60	6
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Interior Piezometers	RW-2	PZ-11	DPW-18		
	575.27	576.60	576.28		
Exterior Wells	T-5S	T-15S		576.60	
	589.64	589.97		589.64	13
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Interior Piezometers	DPW-19	NRP-35			
	574.20	581.88			
Exterior Wells	T-15S	T-43S		581.88	
	589.97	584.95		584.95	3

4. Leachate system maintenance included:

- Inspection of piezometers and recovery wells on SWMU 5, 6, and 7:
 - Recorded liquid level at each location with a control panel;
 - Verified functionality of all pumps without a control panel;
 - All Leachate extraction pumps were turned off for site level measurements;
 - SWMU-6 and SWMU-7 pumps were shut down again for maintenance of leachate collection tanks;
- PZ-13: Observed to not be pumping:
 - Replaced bladder pump in PZ-13;
 - Significant discharge observed after installation of new pump;
- DPW-22: Control Panel malfunctioning; LED segments not lighting up:
 - Replaced control panel;
 - Adjusted levels
- NRP-31: on/off levels adjusted;
- NRP-32: Observed to be pumping, but with little discharge:
 - Pulled pump and cleaned it;
 - Replaced bladder pump.
 - Significant discharge observed after installation of new pump;
 - Repaired air leak;
- NRP-33: Redeveloped:
 - Removed approximately 210 gallons;
 - Used approximately 2.5 gallons of simple green;
 - No water added and was not taken to dryness;
 - Levels were adjusted;
- SWMU 5 Controller: Drained moisture; and
- SWMU 6 Compressor: Emptied buckets.

Summary of All CMI-Related Contacts with the Public:

ESOI has not had any related contacts with the public during this reporting period.

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Summary of Potential or Encountered Problems and Rectification Actions:

There is nothing to report in association with this topic for this reporting period.

Projected Work:

During the next reporting period it is anticipated that the following activities will occur:

1. Continue abandonment of inactive RFI wells;
2. Start construction for replacement of AOC 3 (Building C);
3. Concentrate on SWMU-5 West recovery wells;
4. Evaluate, clean, and / or repair RW-1, and NRP-25 as appropriate;
5. Continue to seed any areas of bare soil;
6. Continued redevelopment of leachate extraction wells in accordance with priority list, with the siltiest wells being addressed first as time and weather allows; and
7. Continued operation and maintenance of the leachate extraction systems on SWMUs 5, 6, and 7.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please do not hesitate to contact Stephen DeLussa at (215) 659-2001 ext. 15.

Sincerely,



Douglas E. Roberts
President

ec: Stephen DeLussa, Envirosource Technologies, Inc.
Mark Nielsen, Ramboll

Michael Momenee, The Mannik & Smith Group