

PLUMLEY

ENGINEERING

Civil and Environmental Engineering

April 2, 2014

Mr. Christopher F. Mannes, P.E.
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
615 Erie Boulevard West
Syracuse, New York 13204-2400

RE: Annual Report
Quanta Resources, Lodi Street
City of Syracuse, Onondaga County, New York
DEC Site No. 7-34-013
Index No. D7-00001-07-07
Project No. 2013139

Dear Mr. Mannes:

This report provides an update of the free product monitoring and the low vacuum oil recovery system activities at the above-referenced site from September 2012 to December 2013.

The following attachments are provided:

- Figure 1 – Site Plan
- Figure 2 – Free Product Thickness
- Figure 3 – Monthly Free Product Recovered
- Table 1 – Monthly Monitoring Well Free Product Check Summary
- Table 2 – Free Product Thickness

- Table 3 – Approximate Free Product Recovery Volume
- Table 4 – MW-1S Free Product Summary
- Table 5 – Influent PID Meter Readings
- Table 6 – Magnehelic Gauge Readings at Wells
- Disposal Documents

SCOPE OF WORK

Free Product Checks and Well Bailing

A representative from Plumley Engineering, P.C. (Plumley) completed monthly depth to water measurements, free product checks and manual bailing of free product from wells with recoverable volumes of product from September 2012 to December 2013. A summary of the depth to water measurements and free product thicknesses measured in the wells is provided in Tables 1 and 2. Plumley also removed free product manually with a disposable bailer and recorded the volumes. A summary of approximate free product volumes recovered monthly from each well is provided in Table 3.

Plumley conducted weekly free product checks and removed free product from MW-1S from March 15, 2013 to May 30, 2013. A summary of the data collected for MW-1S is provided in Table 4.

Low Vacuum Oil Recovery System

Plumley completed monthly inspections of the system in conjunction with the free product checks and well bailing events. Photoionization detection (PID) meter readings of the influent air of the low vacuum oil recovery system and magnehelic gauge readings at the wells were recorded during the inspections. A summary of this data is provided in Tables 5 and 6.

System Operation and Maintenance

The low vacuum oil recovery system was started on September 20, 2012 and has run continuously, except when the system lost power in January 2013 and was restarted.

In October 2013, the stack height on the low vacuum oil recovery system emission point was increased to 15 feet to meet unfiltered emissions guidelines. In addition, one carbon filter drum, one polychlorinated biphenyl (PCB) waste oil drum and two drums of personal protective equipment (PPE) were disposed of. Refer to the attached Disposal Documents for additional information.

On November 27, 2013, well MW-5 was repaired by Parratt-Wolff after the well's protective casing and well riser pipe were reported to have been vandalized. The repair work consisted of replacement of a portion of the well riser, protective casing and locking cover, and installation of a new concrete pad.

SUMMARY OF RESULTS

The data collected are summarized as follows:

- After the system was activated in September 2012, most of the wells showed an increase in free product thickness (Figure 1, Table 1).
- After starting the free product well bailing program in October 2012, the measured free product thickness and the amount of product recovered monthly from each well has consistently decreased in all of the wells except for MW-1S.
- The data shows an increase in free product at MW-1S during the monthly bailing program from October 2012 to January 2013. During this time, the thickness of free product increased from 4.25 to 6.40 feet thick and approximately 4 liters of free product were consistently removed each month. This suggests the low vacuum system was enhancing oil recovery.

- Since the data indicated an increase in the thickness of free product in MW-1S and the amount of product removed from the well on a monthly basis was consistent, a weekly free product bailing program was implemented. The weekly bailing events occurred over a two-month period and resulted in a decrease in product thickness from 4.66 to 1.62 feet. The amount of product recovered during each well bailing event also decreased from 2.8 to 0.7 liters.
- Since the weekly bailing of MW-1S was concluded in May 2013, the monthly free thickness readings increased to as high as 4.39 feet thick from June to September 2013. From September to December 2013, the accumulation of free product has been consistently 3 feet thick.
- A total of approximately 65.9 liters (17.4 gallons) of free product was removed from the wells and properly disposed of between October 12, 2012 and November 21, 2013.

The system data for the site are summarized below.

- PID meters readings of the low vacuum oil extraction system's influent air have decreased from 128 to 6.7 parts per million (ppm).
- Vacuum readings at the wells have been operating within the designed operating range of ± 15 inches of water column (WC) of vacuum except for MW-2. It appears the operating vacuum level drops to approximately 4 inches WC as the thickness of free product decreases below 0.5 feet.

RECOMMENDATIONS

We offer the following recommendations:

- Continue operating the low level vacuum oil recovery system.

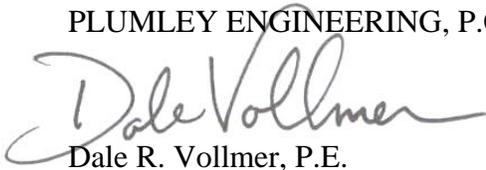
Mr. Christopher F. Mannes, P.E.
April 2, 2014
Page 5

- Implement a three-month trial program for removal of free product with absorbents in lieu of manual bailing. The use of absorbents would remove product continuously (until spent) and the ease of changing absorbents would allow more frequent removal than the labor intensive manual bailing of the 30-foot deep wells. The trial program would assess the change-out frequency required to keep fresh absorbents in each well. The costs associated with absorbent use and disposal would also be evaluated. At the conclusion of the three-month trial, a summary of findings and recommendations will be provided.
- Revise the current monthly reporting schedule to quarterly.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

PLUMLEY ENGINEERING, P.C.



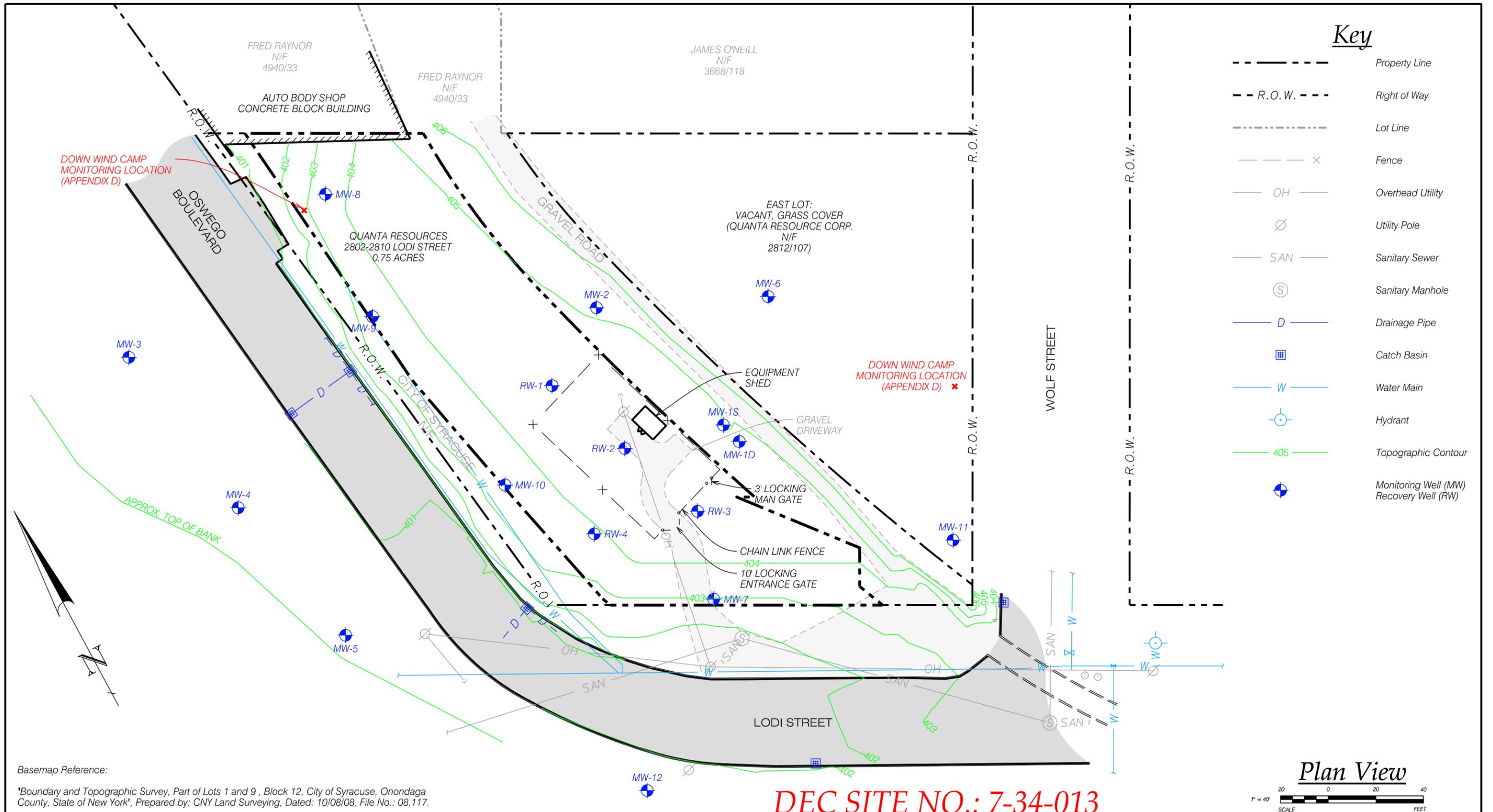
Dale R. Vollmer, P.E.

DRV/DTH/cas
Attachments

Distribution (via e-mail):

Richard Jones, DOH
Margaret Sheen, Esq. DEC
Doreen Simmons, Esq., H&E
Colleen Liddell, PRP Technical Committee

FIGURES



PLUMLEY ENGINEERING
 PLUMLEY ENGINEERING, P.C.
 8232 LOOP ROAD
 BALDWINVILLE, NY 13027
 TELEPHONE: (315) 638-8587
 FAX: (315) 638-9740
 WWW.PLUMLEYENG.COM

Civil and Environmental Engineering

REVISIONS:	DATE:	BY:
△ SMP	02/17/12	FAK

These plans & specifications are the property of Plumley Engineering, P.C. These documents may not be copied, reproduced, used or implemented in any way, in part or in whole, without the written consent of Plumley Engineering, P.C. All common law rights of copyright are hereby specifically reserved.

PROJECT: **SITE MANAGEMENT PLAN**
 DWG. TITLE: **SITE PLAN (WITH BOUNDARIES)**
 CLIENT: **2802-2810 LODI STREET**
 LOCATION: **CITY OF SYRACUSE, ONONDAGA COUNTY, NEW YORK**
 Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.:	2010131
FILE NAME.:	Figure1
SCALE:	AS NOTED
DATE:	FEB. 2012
ENG'D BY:	FAK
DRAWN BY:	JMD
CHECKED BY:	FAK

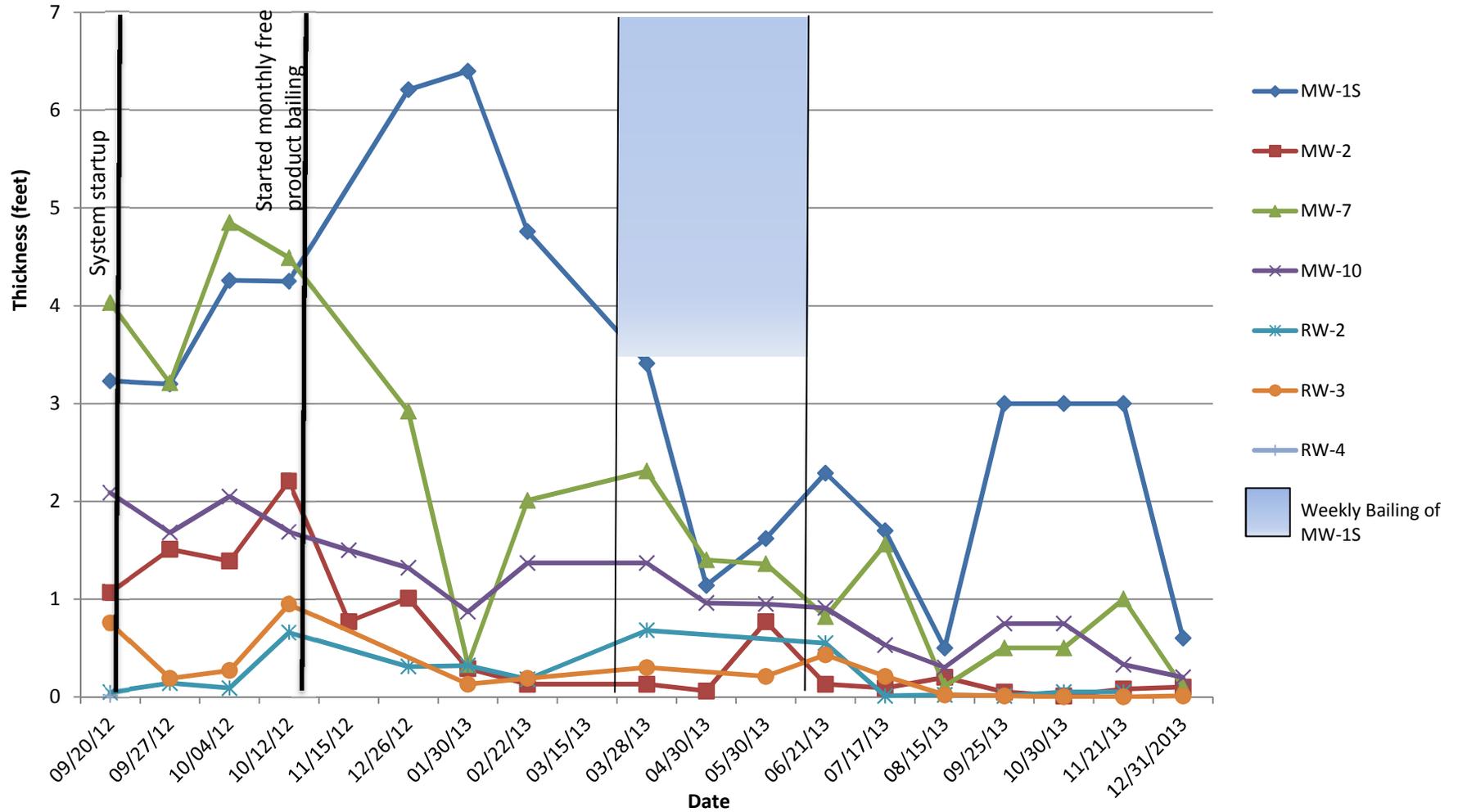
SHEET NO.:

FIGURE 1

© Plumley Engineering, P.C. 2012

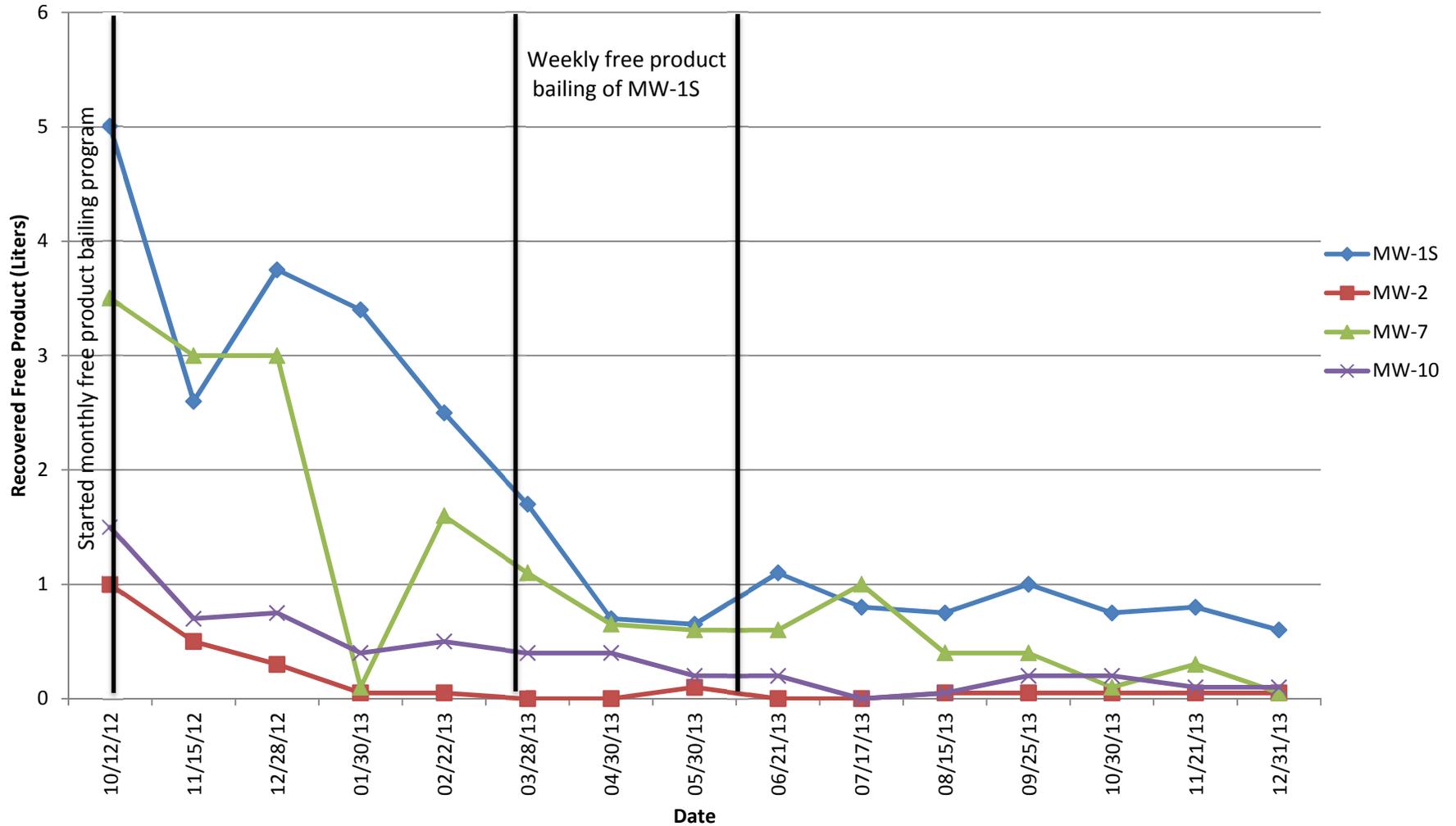
QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

FIGURE 2- APPROXIMATE FREE PRODUCT THICKNESS MEASURED IN FEET



QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

FIGURE 3- APPROXIMATE MONTHLY FREE PRODUCT RECOVERED MEASURED IN LITERS



TABLES

QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

TABLE 1- MONTHLY MONITORING WELL FREE PRODUCT CHECK SUMMARY

Date	MW-1S			MW-2			MW-7			MW-10			RW-1			RW-2			RW-3			RW-4			MW-1D		
	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness
09/20/12	33.12	29.89	3.23	31.26	30.19	1.07	30.64	26.61	4.03	29.43	27.34	2.09	29.1	---	---	29.25	29.20	0.05	29.44	29.68	0.76	27.41	---	---	36.63	---	---
09/27/12	33.10	29.90	3.20	31.41	29.90	1.51	31.67	28.46	3.21	29.04	27.36	1.68	29.05	---	---	29.05	28.91	0.14	28.79	28.60	0.19	27.42	---	---		---	---
10/04/12	33.51	29.25	4.26	30.62	29.23	1.39	31.04	26.19	4.85	28.75	26.70	2.05	27.79	---	---	28.15	28.06	0.09	27.80	27.53	0.27	26.15	---	---	33.67	---	---
10/12/12	33.56	29.31	4.25	30.59	28.38	2.21	31.00	26.51	4.49	28.55	26.86	1.69	27.67	---	---	27.80	27.74	0.66	28.30	27.35	0.95	25.97	---	---	33.63	---	---
11/15/12	29.06	Present	NA	29.95	NA	0.77	25.56	Present	NA	25.79	NA	1.50	26.55	---	---	26.66	NA	NA	26.24	NA	NA	24.84	---	---	33.30	---	---
12/26-27/12	33.54	27.33	6.21	28.51	27.50	1.01	29.04	26.12	2.92	26.82	25.50	1.32	25.31	---	---	25.90	25.59	0.31	29.35	NA	NA	24.29	---	---	32.38	---	---
01/30/13	33.1	26.7	6.40	28.5	28.21	0.29	25.7	25.37	0.33	26.73	25.86	0.87	25.98	---	---	25.76	25.44	0.32	25.67	25.54	0.13	24.04	---	---	32.39	---	---
02/22/13	32.4	27.64	4.76	28.11	27.98	0.13	28.17	26.16	2.01	26.48	25.11	1.37	26.03	---	---	26.2	26.02	0.18	26.8	26.61	0.19	24.3	---	---	32.31	---	---
03/28/13	31.38	27.97	3.41	28.24	28.11	0.13	27.56	25.25	2.31	26.59	25.22	1.37	25.86	---	---	26.79	26.11	0.68	25.64	25.34	0.3	24.00	---	---	32.11	---	---
04/30/13	29.14	28.00	1.14	28.09	28.03	0.06	27.00	25.6	1.40	26.26	25.30	0.96	26.09	---	---	25.90	NA	NA	25.44	NA	NA	24.49	---	---	31.97	---	---
05/30/13	29.71	28.09	1.62	29.18	28.41	0.77	27.60	26.24	1.36	26.16	25.21	0.95	26.53	---	---	25.80	NA	NA	25.89	25.68	0.21	24.15	---	---	32.03	---	---
06/21/13	29.66	27.37	2.29	27.61	27.48	0.13	25.15	24.33	0.82	25.86	24.95	0.91	25.41	---	---	25.76	25.21	0.55	25.66	25.23	0.43	24.14	---	---	31.45	---	---
07/17/13	30.15	28.45	1.70	28.52	28.43	0.09	28.39	26.83	1.56	26.04	25.51	0.53	26.26	---	---	26.45	NA	<0.01	26.22	26.01	0.21	24.67	---	---	32.13	---	---
08/15/13	~29.15	28.65	0.50	~29.38	29.18	0.2	~26.95	26.84	0.11	26.52	26.22	0.30	27.61	---	---	26.98	26.96	0.02	27.56	27.54	0.02	25.57	25.55	0.02	32.46	---	---
09/25/13	31.36	28.36	3.00	29.09	29.04	0.05	26.90	26.40	0.50	26.58	25.83	0.75	26.81	---	---	26.53	26.52	0.01	26.56	26.55	0.01	24.81	---	---	32.49	---	---
10/30/13	28.40	25.40	3.00	28.82	28.81	0.01	25.20	24.70	0.50	25.99	25.24	0.75	26.24	---	---	26.14	26.09	0.05	26.20	NA	NA	24.23	---	---	32.35	---	---
11/21/13	31.00	28.00	3.00	28.02	27.94	0.08	28.40	27.40	1.00	25.19	24.86	0.33	25.20	---	---	25.56	---	---	25.43	25.42	0.01	24.17	---	---	32.10	---	---
12/31/13	27.08	26.48	0.60	27.29	27.19	0.1	24.54	24.44	0.10	25.48	25.28	0.20	25.11	---	---	24.70	---	---	24.49	24.48	0.01	23.11	23.10	0.01	31.25	---	---

Date	MW-3			MW-4			MW-5			MW-6			MW-8			MW-9			MW-11			MW-12		
	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness	DTW	DTP	Thickness
09/20/12	27.29	---	---	27.32	---	---	22.61	---	---	34.21	---	---	28.28	---	---	30.31	---	---	32.78	---	---	28.64	---	---
09/27/12		---	---		---	---		---	---		---	---		---	---		---	---		---	---		---	---
10/04/12	27.19	---	---	27.37	---	---	22.7	---	---	34.13	---	---	28.2	---	---	30.14	---	---	32.68	---	---	28.64	---	---
10/12/12	27.14	---	---	27.35	---	---	22.48	---	---	34.07	---	---	28.1	---	---	29.89	---	---	32.59	---	---	28.45	---	---
11/15/12	26.82	---	---	27.04	---	---	22.37	---	---	33.66	---	---	27.69	---	---	29.58	---	---	32.33	---	---			
12/26-27/12	26.38	---	---	26.39	---	---	21.93	---	---	31.84	---	---	26.65	---	---	28.74	---	---	31.04	---	---	27.56	---	---
01/30/13	26.18	---	---	26.11	---	---	21.59	---	---	32.42	---	---	27.06	---	---	29.11	---	---	31.25	---	---	27.65	---	---
02/22/13	26.15	---	---	26.18	---	---	21.83	---	---	32.02	---	---	26.86	---	---	29.07	---	---	31.25	---	---	27.64	---	---
03/28/13	32.11	---	---	25.88	---	---	21.79	---	---	32.11	---	---	26.94	---	---	29.13	---	---	30.15	---	---	27.67	---	---
04/30/13	25.67	---	---	25.66	---	---	21.65	---	---	32.09	---	---	29.10	---	---	27.18	---	---	31.23	---	---	27.61	---	---
05/30/13	25.70	---	---	25.67	---	---	21.40	---	---	32.31	---	---	26.86	---	---	29.28	---	---	31.28	---	---	27.60	---	---
06/21/13	25.23	---	---	25.23	---	---	21.82	---	---	31.55	---	---	26.72	---	---	28.62	---	---	Lock	---	---	27.54	---	---
07/17/13	25.68	---	---	25.72	---	---	21.02	---	---	32.42	---	---	27.40	---	---	29.28	---	---	Lock	---	---	28.33	---	---
08/15/13	26.03	---	---	26.07	---	---	21.54	---	---	33.09	---	---	30.23	---	---	27.85	---	---	32.11	---	---	28.51	---	---
09/25/13	26.22	---	---	26.25	---	---	21.77	---	---	32.85	---	---	27.91	---	---	30.40	---	---	31.67	---	---	28.38	---	---
10/30/13	26.08	---	---	26.14	---	---	NM	---	---	32.83	---	---	27.76	---	---	29.90	---	---	31.67	---	---	28.32	---	---
11/21/13	25.96	---	---	25.96	---	---	(19.75)	---	---	32.15	---	---	27.12	---	---	28.65	---	---	31.43	---	---	28.15	---	---
12/31/13	25.16	---	---	25.18	---	---	(22.11)	---	---	31.24	---	---	26.43	---	---	28.39	---	---	30.44	---	---	27.41	---	---

Notes:

--- Not Present Blank indicates not measured, not installed or well destroyed.
NA Oil-water interface probe malfunction Lock- Lock rusted, cannot open
~ Depth to water is estimated due to oil covering probe, unable to read water level
MW-5 measurement on 11/21/13 is from ground surface due to broken well stickup.

Free product measurements taken with an oil water interface probe.
NM Not Measured

QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

TABLE 2 - FREE PRODUCT THICKNESS (FEET)

Date	MW-1S	MW-2	MW-7	MW-10	RW-1	RW-2	RW-3	RW-4	MW-1D	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-11	MW-12
07/14/09	2.04	1.80	0.90	0.85	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---
2011	Completed Remedial Excavation																
09/20/12	3.23	1.07	4.03	2.09	---	0.05	0.76	---	---	---	---	---	---	---	---	---	---
09/20/12	System Startup																
09/27/12	3.20	1.51	3.21	1.68	---	0.14	0.19	---	---	---	---	---	---	---	---	---	---
10/04/12	4.26	1.39	4.85	2.05	---	0.09	0.27	---	---	---	---	---	---	---	---	---	---
10/12/12	4.25	2.21	4.49	1.69	---	0.66	0.95	---	---	---	---	---	---	---	---	---	---
11/15/12	NA	0.77	NA	1.5	---	NA	NA	---	---	---	---	---	---	---	---	---	NM
12/28/12	6.21	1.01	2.92	1.32	---	0.31	NA	---	---	---	---	---	---	---	---	---	---
01/30/13	6.4	0.29	0.33	0.87	---	0.32	0.13	---	---	---	---	---	---	---	---	---	---
02/22/13	4.76	0.13	2.01	1.37	---	0.18	0.19	---	---	---	---	---	---	---	---	---	---
03/28/13	3.41	0.13	2.31	1.37	---	0.68	0.3	---	---	---	---	---	---	---	---	---	---
04/30/13	1.14	0.06	1.40	0.96	---	---	---	---	---	---	---	---	---	---	---	---	---
05/30/13	1.62	0.77	1.36	0.95	---	NA	0.21	---	---	---	---	---	---	---	---	---	---
06/21/13	2.29	0.13	0.82	0.91	---	0.55	0.43	---	---	---	---	---	---	---	---	---	---
07/17/13	1.70	0.09	1.56	0.53	---	<0.01	0.21	---	---	---	---	---	---	---	---	---	---
08/15/13	0.50	0.20	0.11	0.30	---	0.02	0.02	0.02	---	---	---	---	---	---	---	---	---
09/25/13	3.00	0.05	0.50	0.75	---	0.01	0.01	---	---	---	---	---	---	---	---	---	---
10/30/13	3.00	0.01	0.50	0.75	---	0.05	NA	---	---	---	---	---	---	---	---	---	---
11/21/13	3.00	0.08	1.00	0.33	---	---	0.01	---	---	---	---	---	---	---	---	---	---
12/31/13	0.60	0.10	0.10	0.20	---	---	0.01	0.01	---	---	---	---	---	---	---	---	---

Notes:

--- Not Present

NI Well not installed

NA Oil-water interface probe malfunction

NM Not measured

Free product measurements taken with an oil-water interface probe.

QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

TABLE 3 - APPROXIMATE FREE PRODUCT RECOVERY VOLUME (LITERS)*

Date	MW-1S	MW-2	MW-7	MW-10	RW-2	RW-3	Total	Cumulative Total (liters)	Cumulative Total (gallons)
10/12/12	5.0	1	4	2	0	0	11.0	11.0	2.9
11/15/12	2.6	0.50	3	0.7	0	0	6.8	17.8	4.7
12/28/12	3.8	0.30	3	0.75	0	0	7.8	25.6	6.8
01/30/13	3.4	0.05	0.1	0.4	0	0	4.0	29.6	7.8
02/21/13	3.4						3.4	33.0	8.7
02/22/13	3.5	0.05	1.6	0.5	0	0	5.7	38.6	10.2
03/15/13	2.8						2.8	41.4	10.9
03/22/13	2.2						2.2	43.6	11.5
03/28/13	1.7	0.00	1.1	0.4	0	0	3.2	46.8	12.4
04/05/13	1.9						1.9	48.7	12.9
04/11/13	1.8						1.8	50.5	13.3
04/18/13	1.0						1.0	51.5	13.6
04/30/13	0.7	0.00	0.65	0.4	0	0	1.8	53.2	14.1
05/10/13	0.6						0.6	53.8	14.2
05/15/13	0.5						0.5	54.3	14.3
05/22/13	0.3						0.3	54.6	14.4
05/30/13	0.65	0.10	0.60	0.20	0	0	1.6	56.2	14.8
06/21/13	1.10	0.00	0.60	0.20	0	0	1.9	58.1	15.3
07/17/13	0.80	0.00	1.00	0.00	0	0	1.8	59.9	15.8
08/15/13	0.75	0.05	0.40	0.05	0	0	1.3	61.1	16.1
09/25/13	1.00	0.05	0.40	0.20	0	0	1.7	62.8	16.6
10/30/13	0.75	0.05	0.10	0.20	0	0	1.1	63.9	16.9
11/21/13	0.80	0.05	0.30	0.10	0	0	1.3	65.1	17.2
12/31/13	0.60	0.05	0.05	0.10	0	0	0.8	65.9	17.4
Total (liters)	41.6	2.3	16.4	5.7	0.0	0.0	65.9		
Total (gals.)	11.0	0.6	4.3	1.5	0.0	0.0	17.4		

Notes:

*Based on estimate in each bailer. Actual free product recovery based on drum accumulation.

For wells not listed, free product is not present.

Blank indicates not removed.

QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

TABLE 4 - MW-1S FREE PRODUCT SUMMARY

Date	Monitoring Well Free Product Check		Free Product Thickness (Feet)	Approximate Free Product Recovery Volume (Liters)*	Cumulative Total	
	DTW	DTP			(Liters)	(Gallons)
07/14/09			2.04			
09/20/12	33.12	29.89	3.23			
09/27/12	33.10	29.90	3.20			
10/04/12	33.51	29.25	4.26			
10/12/12	33.56	29.31	4.25	5.0	5.0	1.1
11/15/12	29.06	Present	NA	2.6	7.6	1.7
12/27/12	33.54	27.33	6.21	3.8	11.4	2.5
01/30/13	33.10	26.70	6.40	3.4	14.8	3.2
02/21/13	33.13	27.51	5.62	3.4	18.2	4.0
02/22/13	32.40	27.64	4.76	3.5	21.7	4.8
03/15/13	31.95	27.29	4.66	2.8	24.5	5.4
03/22/13	31.84	27.71	4.13	2.2	26.6	5.8
03/28/13	31.38	27.97	3.41	1.7	28.3	6.2
04/05/13	31.84	27.60	4.24	1.9	30.2	6.6
04/11/13	30.84	27.19	3.65	1.8	32.0	7.0
04/18/13	29.41	27.06	2.35	1.0	33.0	7.2
04/30/13	29.14	28.00	1.14	0.7	33.7	7.4
05/10/13	30.11	28.32	1.79	0.6	34.3	7.5
05/15/13	29.83	28.45	1.38	0.5	34.8	7.6
05/22/13	30.59	29.56	1.03	0.3	35.1	7.7
05/30/13	29.71	28.09	1.62	0.7	35.7	7.8
06/21/13	29.66	27.37	2.29	1.1	36.8	8.1
07/17/13	30.15	28.45	1.70	0.8	37.6	8.3
08/15/13	~29.15	28.65	0.50	0.8	38.4	8.4
09/13/13	32.59	28.20	4.39	1.6	40.0	8.8
09/25/13	31.36	28.36	3.00	1.0	41.0	9.0
10/30/13	28.40	25.40	3.00	0.8	41.7	9.2
11/21/13	31.00	28.00	3.00	0.8	42.5	9.3
12/31/13	27.08	26.48	0.60	0.6	43.1	9.5

Notes:

*Based on estimate in each bailer. Actual free product recovery based on drum accumulation.

Blank indicates not measured, not installed or well destroyed.

Free product measurements taken with an oil-water interface probe.

NA Unable to read free product with oil-water interface probe

~ Depth to water is estimated due to oil covering probe, unable to read water level

QUANTA RESOURCES
2802-2810 Lodi Street
City of Syracuse, Onondaga County, New York

TABLE 5 - INFLUENT AIR PID METER READINGS

Date	Results (ppm)
10/04/12	128
10/12/12	105
11/15/12	49.8
12/26/12	33
01/30/13	NM
02/22/13	2.2
03/28/13	11.8
04/30/13	14.3
05/30/13	NM
06/21/13	17.6
07/17/13	9.9
08/15/13	13.8
09/25/13	14.7
10/30/13	24.5
11/21/13	6.7
12/31/13	8

Notes:

NM not measured

Photoionization detector (PID)

PID readings of Low Vacuum Oil Extraction System taken after blower, before carbon filter

DISPOSAL DOCUMENTS



Profile Amendment Request

Matthew Martin hereby requests an amendment to WMI profile #: NY304571
(Contact Name)

to include the following:

Amendment Type: One Time Only Request (Event) Permanent Addition to Profile (Base)

Additional Analytical/MSDS to be added to profile (see attached)

Volume Increase (specify volume) _____ Tons Cubic Yards Drums Gallons Other (specify) _____

Constituent(s) to be added and/or modify current range in chemical composition:

Chemicals or constituents to be added/modify	Low	High	Units
<u>Oil</u>	<u>25</u>	<u>90</u>	<u>%</u>
<u>Water</u>	<u>10</u>	<u>75</u>	<u>%</u>
_____	_____	_____	_____

Change current ranges on profile (specify below)

pH Range _____ to _____ Free Liquid Range _____ to _____

Other (specify) To resolve discrepancy 81662607-01

GENERATOR CERTIFICATION

By signing this form, the Generator hereby certifies:

The information provided in this document, the referenced Waste Management Generator's Waste Profile Sheet, and all other referenced documents contain true and accurate descriptions of the waste material. All information regarding known or suspected hazards in the possession of the Generator has been disclosed.

Generator/Customer Signature: _____ Date: _____

Company Name: _____

Name (Print): _____ Title: _____

FOR WASTE MANAGEMENT USE ONLY

Submitted By: _____ (W.M. Initials) Date: _____ Time: _____

WM Approval: _____ Date: _____

Agency Approval Required: Yes No

Profile Extension

Original Approval Date _____

Requested Extension _____

New Approval Date _____

Analytical Extension

Analytical Due Date _____

Requested Extension _____

New Analytical Due Date _____

Conditions/Precautions: _____

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number NYD980592448	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number 001215984 FLE
---	---	--------------------------	--	---

5. Generator's Name and Mailing Address QUANTA RESOURCES c/o PLUMLEY ENGINEERING 8232 LOOP ROAD BALDWINVILLE NY 13027	Generator's Site Address (if different than mailing address) QUANTA RESOURCES - SYRACUSE 2802-2810 LODI STREET SYRACUSE NY 13208
Generator's Phone: 315 638-8587	

6. Transporter 1 Company Name ENVIRONMENTAL PROD & SVCS OF VT, INC	U.S. EPA ID Number NYR000115733
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, LLC. 1550 BALMER RD. MODEL CITY NY 14107	U.S. EPA ID Number
Facility's Phone: 716 754-8231	
NYD049836679	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	RQ UN2315, Polychlorinated biphenyls, liquid, 9, PGI1	1	DM	125	K	B002		
2.	RQ UN2315, Polychlorinated biphenyls, liquid, 9, PGI1	2	DM	50	K	B002	B007	
3.								
4.								

14. Special Handling Instructions and Additional Information

1) APP # NY304571, 1 X 55 GAL, (PCB Liquid 50-499ppm), Out of Service Date: 10/25/2013, Drum #01, ERG#171
 2) APP # NY304576, 2 X 55 GAL, (PCB liquid 50-499ppm, debris, PPE), Out of Service: 10/25/2013, Drum #02, 03, ERG#171
 3)
 4) JOB #B3373 **81662607** **SR # 1015045**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
 I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name: **Molly Reed** Agent of Quanta Resources PRP Group
 Signature: *Molly Reed* Month: **10** Day: **25** Year: **2013**

16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: **Syracuse** Date leaving U.S.: **Group - Syracuse**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name Carlton E Snell	Signature <i>Carlton E Snell</i>	Month Day Year 10 25 13
Transporter 2 Printed/Typed Name	Signature	Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H141	3.	4.
----------------	----------------	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: **Richard LA BENO** Signature: *Richard La Beno* Month: **10** Day: **29** Year: **13**

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY