



Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Joe Branch
Site Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437
Fax (231) 894-4033

October 30, 2014

Reference No. 001069

Ms. Gloria M. Sosa
USEPA
Region II, Site Investigation & Compliance Branch
290 Broadway, 20th Floor
New York, NY 10007-1866

Mr. Brian P. Sadowski
NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999

Dear Ms. Sosa and Mr. Sadowski:

Re: Quarterly Operations Report – Third Quarter 2014
Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs

In accordance with the July 2006 "Performance Monitoring Plan" (PMP), the following is the Quarterly Operations Report for the Hyde Park Remedial Program for the period July 1, 2014 through September 30, 2014. A total of 5.5 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with the Site's City of Niagara Falls Publicly Owned Treatment Works (POTW) Significant Industrial Users Wastewater Discharge Permit #49. No non-aqueous phase liquid (NAPL) was shipped for disposal in the second quarter. The potentiometric contours are consistent with previous interpretations. Flow Zones 6, 7, and 9 have dewatered areas between the landfill and the gorge face. The current data continue to support the interpretation of effective hydraulic containment and inward gradients.

The performance monitoring data are presented as follows:

- Figures 1-9: Showing the potentiometric surface for the bedrock flow zones and overburden
- Figure 10: Showing continuously recorded water levels at flow zone 9 piezometer PMW-1M-09
- Table 1: Water level elevation summary
- Tables 2, 3, and 4: Daily, weekly, and quarterly treatment system effluent monitoring data
- Attachment A: Purge well performance graphs indicating daily level and flow information

The pumping wells are operational and functioning as designed. The pumps are operated to maintain a water level between a typical range of 2.5 feet above (pump on) and 2.5 feet below (pump off) a specific setpoint in accordance with the setpoint range defined in the Operation & Maintenance Manual. The following minor operational and setpoint issues were investigated or resolved during Third Quarter 2014:

- All pumping wells shut down due to an unspecified communications error on August 8, but functioned properly upon being restarted on August 9. Water levels in all wells had returned to within the setpoint range by August 11, except for PW-3M, which is discussed below.
- A communications failure in APW-2 caused the well to stop pumping on July 5. The pump was reset on July 7 and, with the exception of the August 8 error discussed above, operated with water levels within setpoint range for the remainder of the quarter.
- Investigation of low flow issues in PW-3L in early July found the pump to be running dry at any setpoint less than 507 feet above mean sea level (AMSL). Further troubleshooting found the problem not to be with the pump, but the level transducer installed in the Second Quarter 2014. The transducer was found to be scaled differently than the computer was programmed. The programming was adjusted to correctly record the data from the new transducer and the pump elevation and water levels verified by hand. Water levels for PW-3L shown in Attachment A have all been rescaled to the proper elevations using this information and were within setpoint range for the entire quarter, except for the first week of July.
- The specific cause of the recurring false high and low level alarms in PW-3M reported on at the end of Second Quarter 2014 could not be determined. The false alarms required a manual restart of the pump, causing it to remain off when the alarms occurred overnight. A minor programming modification was made on September 13, and PW-3M has been operating within setpoint range since September 14.
- An electrical short in PW-6UR disabled the pump on August 13, causing the water level to exceed the setpoint range. The short was repaired and the pump restarted on August 19, and the water level in PW-6UR returned to within setpoint range on August 22. The pump shut off again on September 23 due to a false alarm. The pump was reset on September 24, and the water level returned to within setpoint range on September 25.
- PW-7U experienced repeated communications faults, disabling the pump on July 16, August 1, and September 21. In each case, the pump worked properly upon restart, and the water level returned to within setpoint range within 48 hours. PW-7U will continue to be monitored in Fourth Quarter 2014.

October 30, 2014

Reference No. 001069

- 3 -

- As stated in previous reports, the water level in PW-8M typically remains within setpoint range without pumping. A lack of heavy precipitation events in this quarter led to the well maintaining water levels within setpoint range without pumping.

An electronic copy of this report is included on the attached CD. If you have any questions, please feel free to contact me at (231) 670-6809 or by email at joseph_branch@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

A handwritten signature in black ink that reads "JB Branch". The "JB" is written in a large, stylized cursive font, and "Branch" is written in a smaller, more legible cursive font.

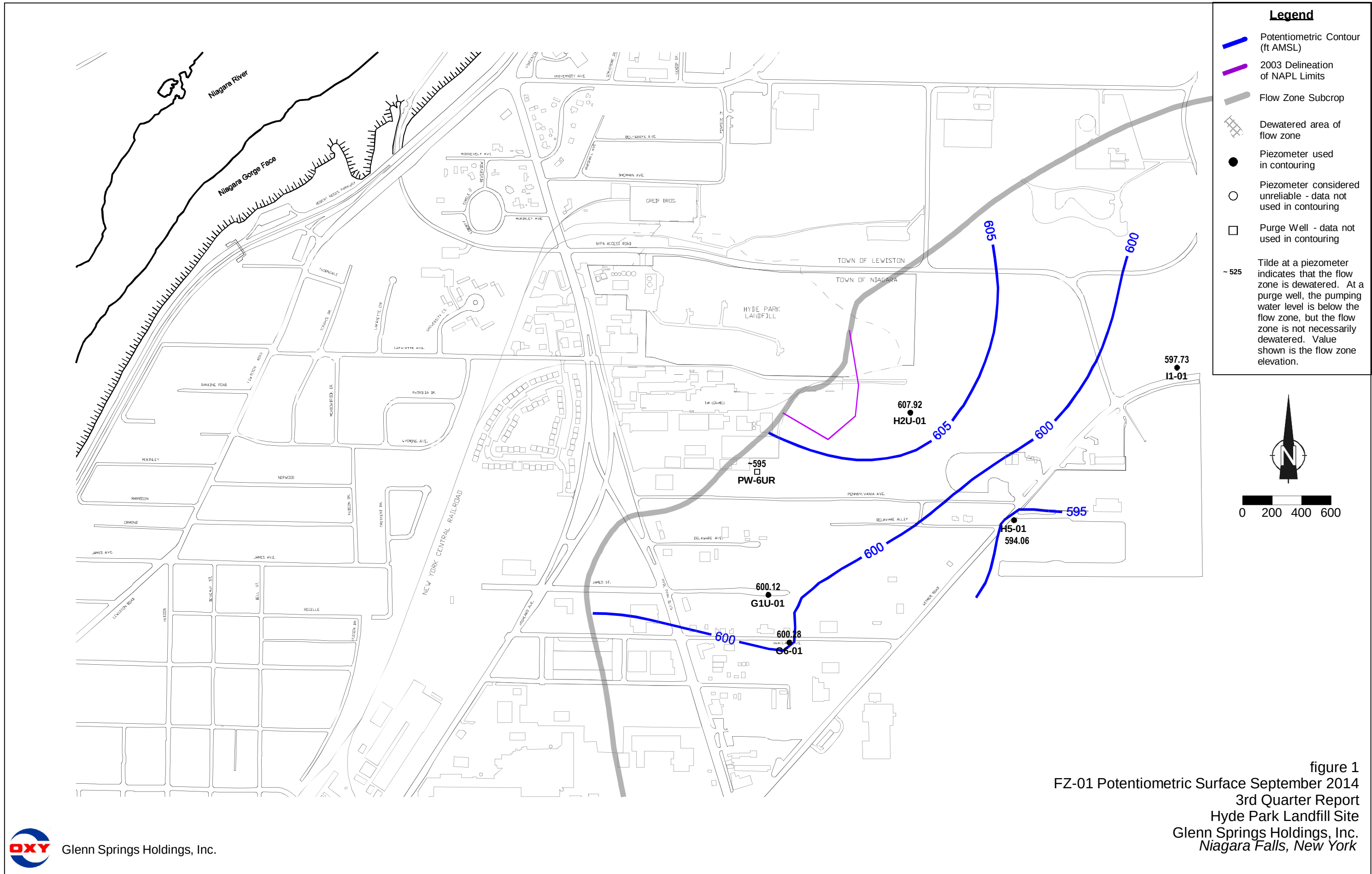
Joe Branch
Site Manager
231-670-6809 Cell

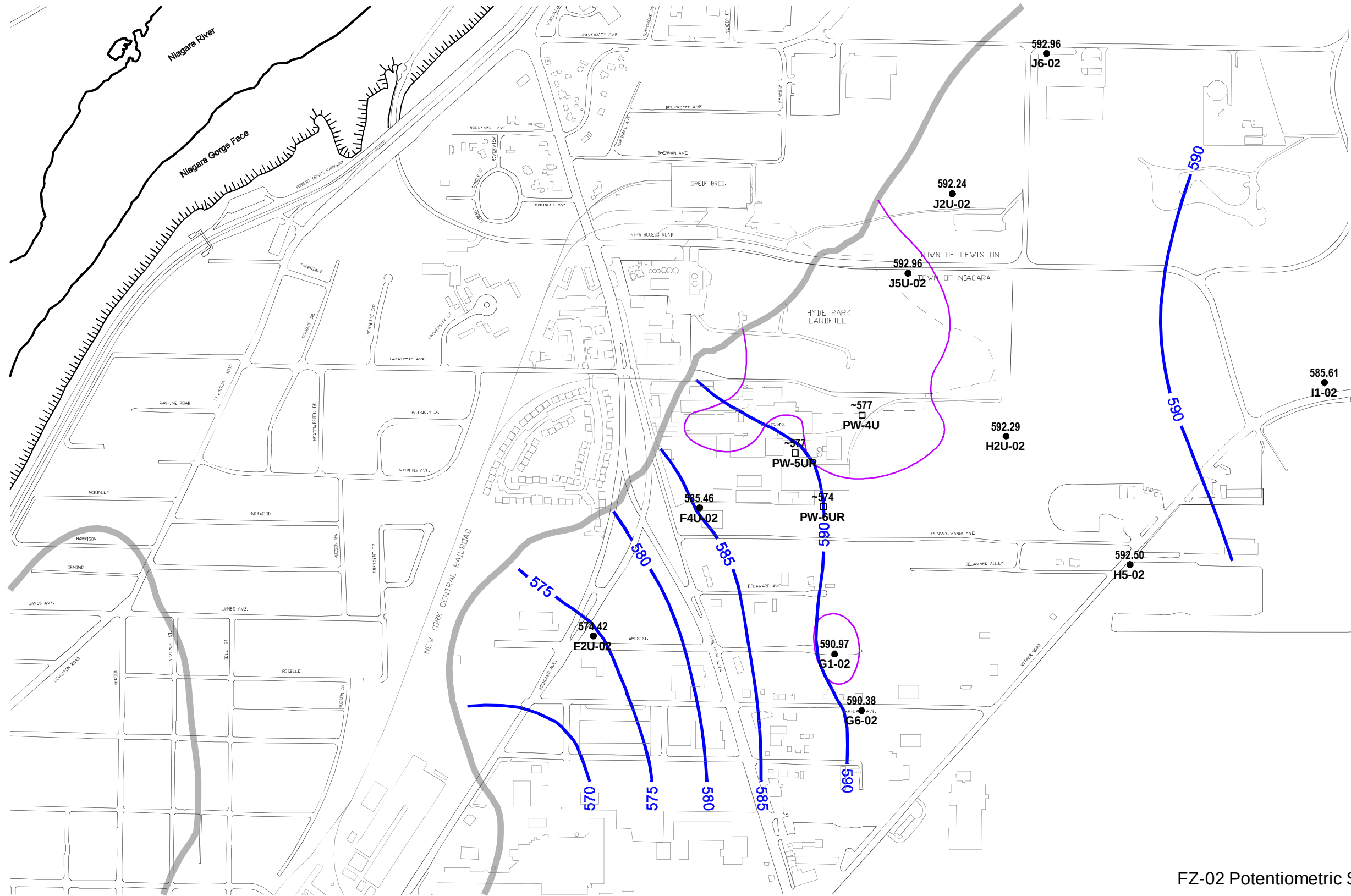
JB/adh/17
Encl.

c.c.: M. Anderson, GSH (1)
C. Babcock, GSH (1)
M. Forcucci, NYSDOH (1*)
J. Pentilchuk, CRA (email)

B. Sadowski, NYSDEC (CD Only)
G. Sosa, USEPA (4*)
J. Polovich, CRA (email)

*Includes one copy on CD





Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

Tilde at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

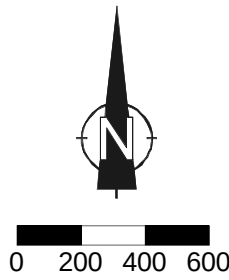
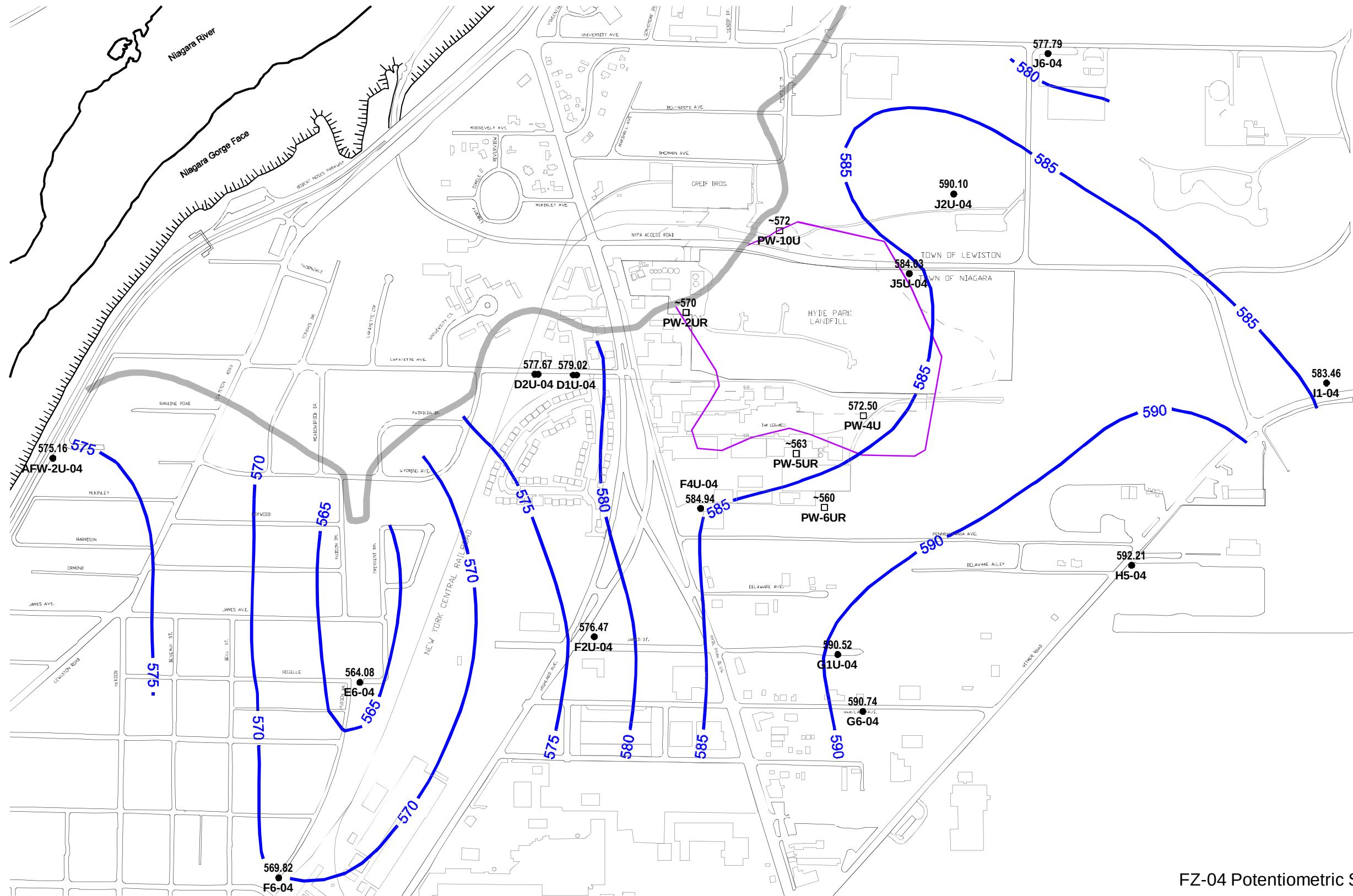


figure 2
 FZ-02 Potentiometric Surface September 2014
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

Tilde at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

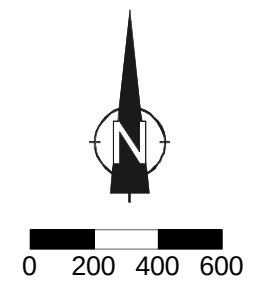
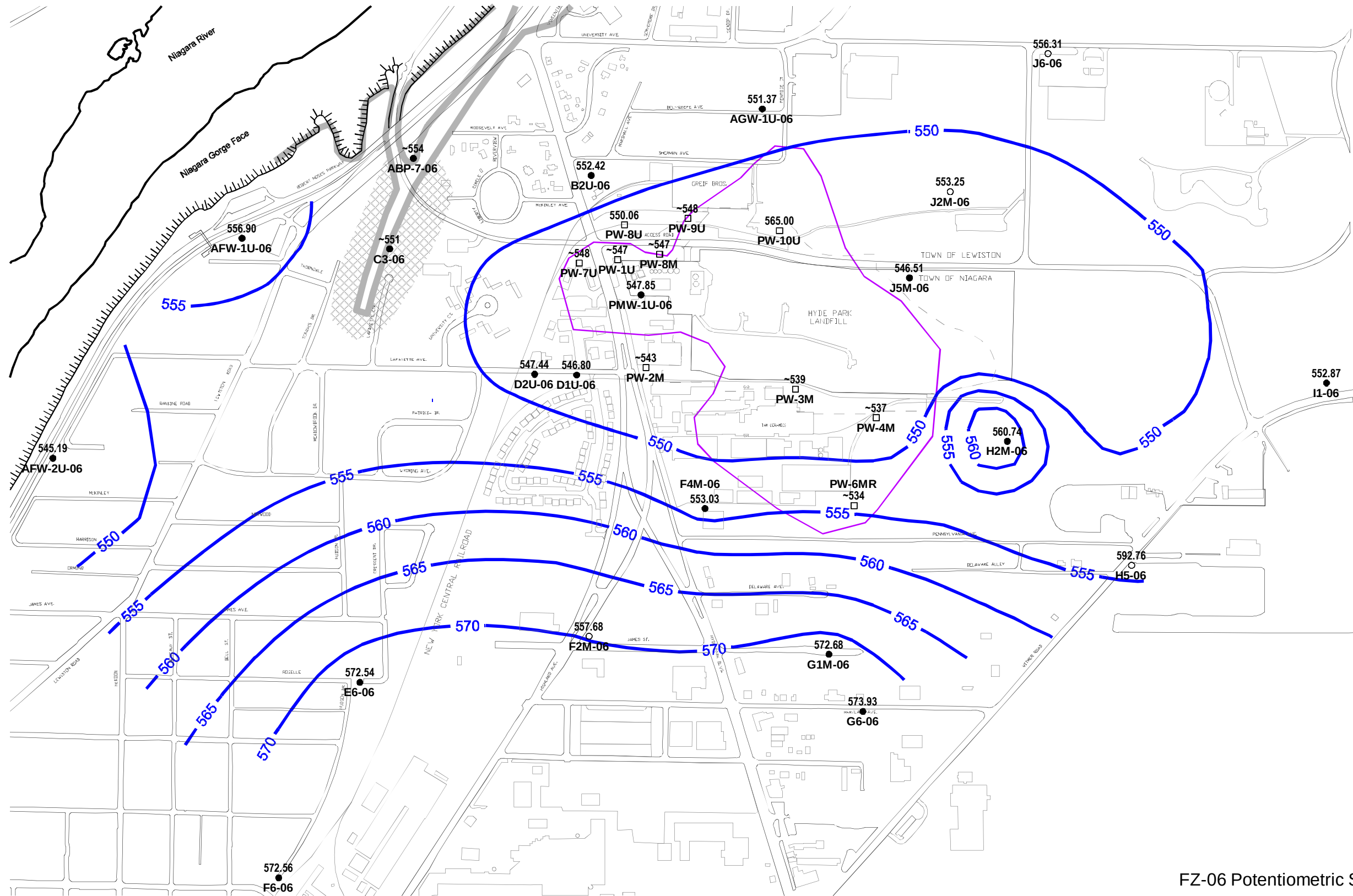


figure 3
 FZ-04 Potentiometric Surface September 2014
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

Tilde at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

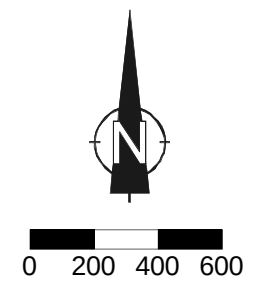
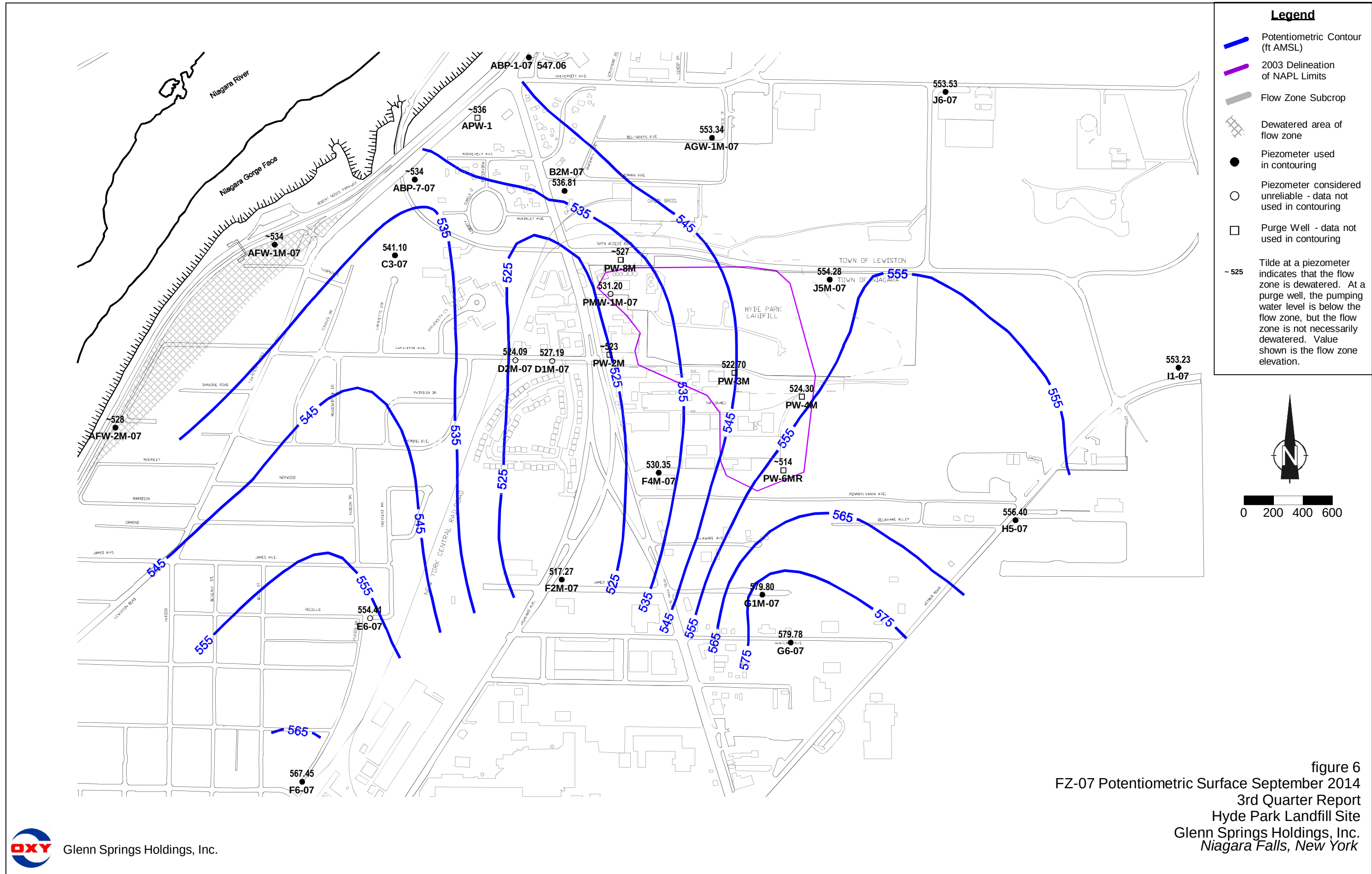
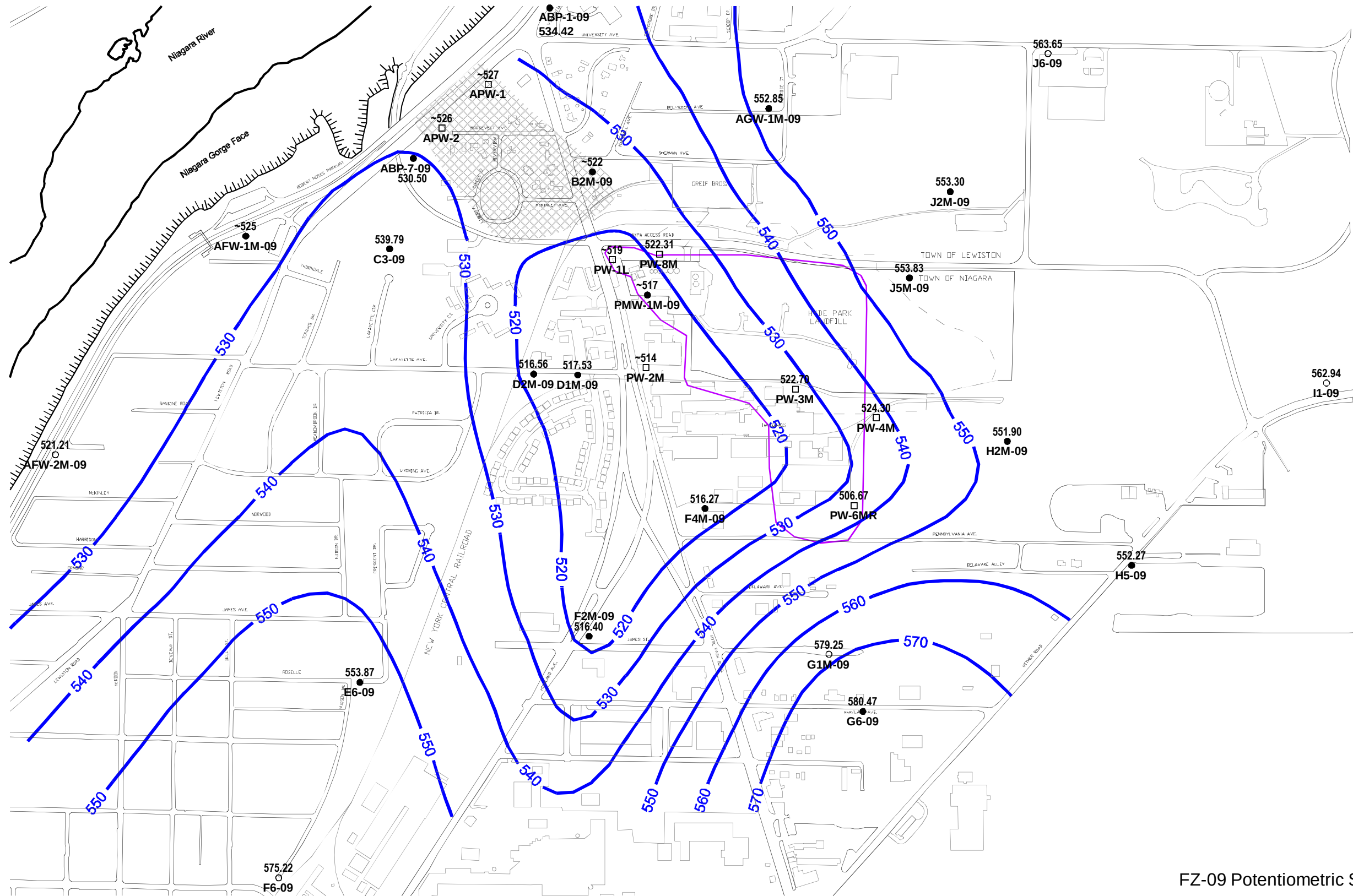


figure 5
 FZ-06 Potentiometric Surface September 2014
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York





Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

Tilde at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

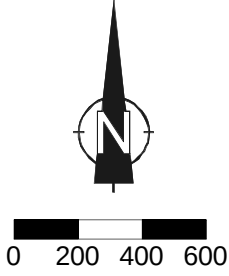
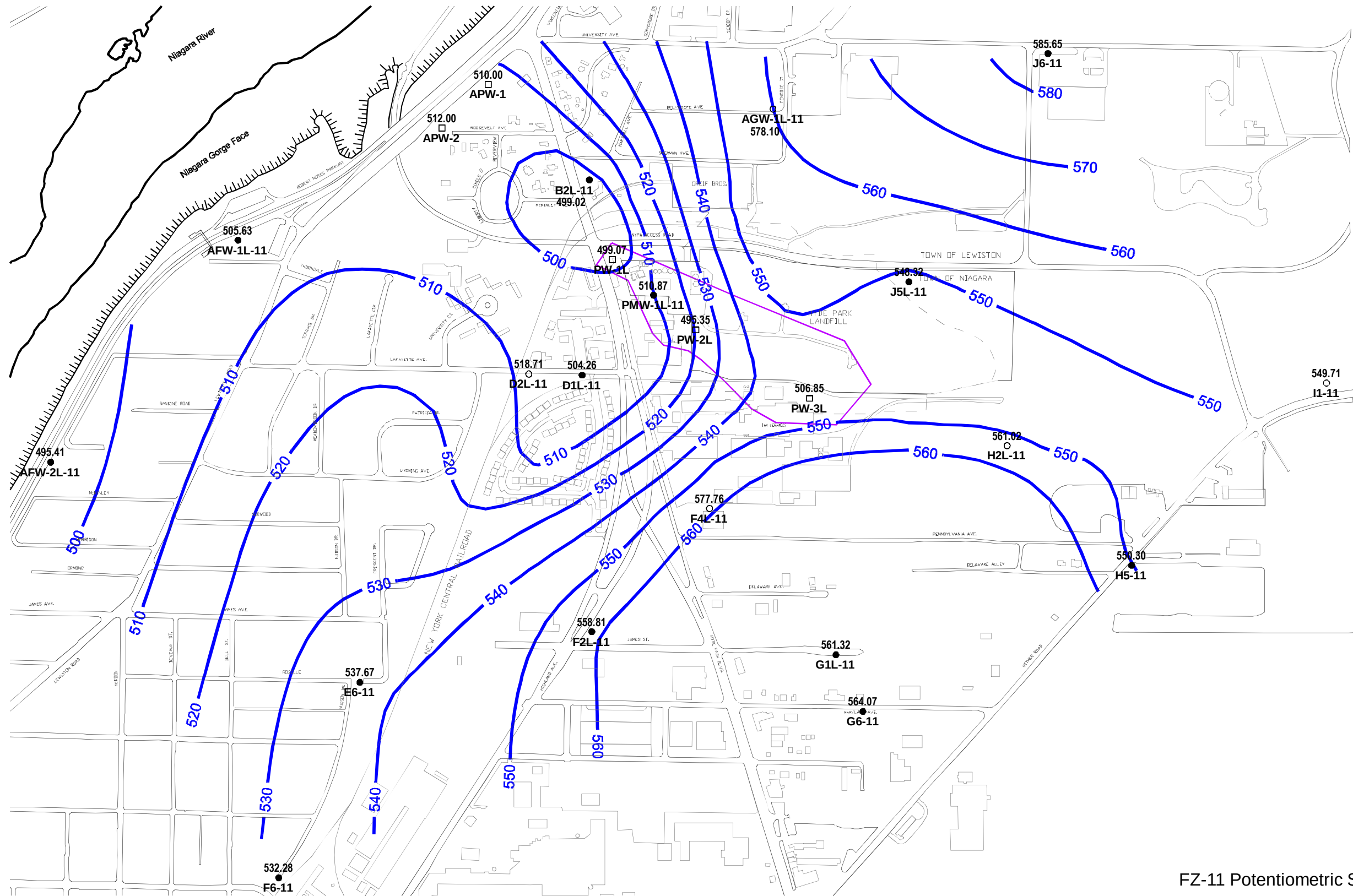


figure 7
FZ-09 Potentiometric Surface September 2014
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

Tilde at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

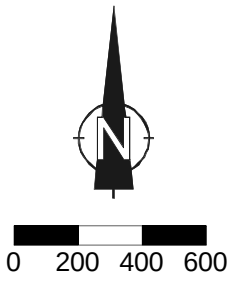
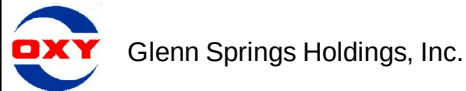


figure 8
FZ-11 Potentiometric Surface September 2014
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



PMW-1M-09 3rd Quarter 2014 - Hourly Water Level Elevation

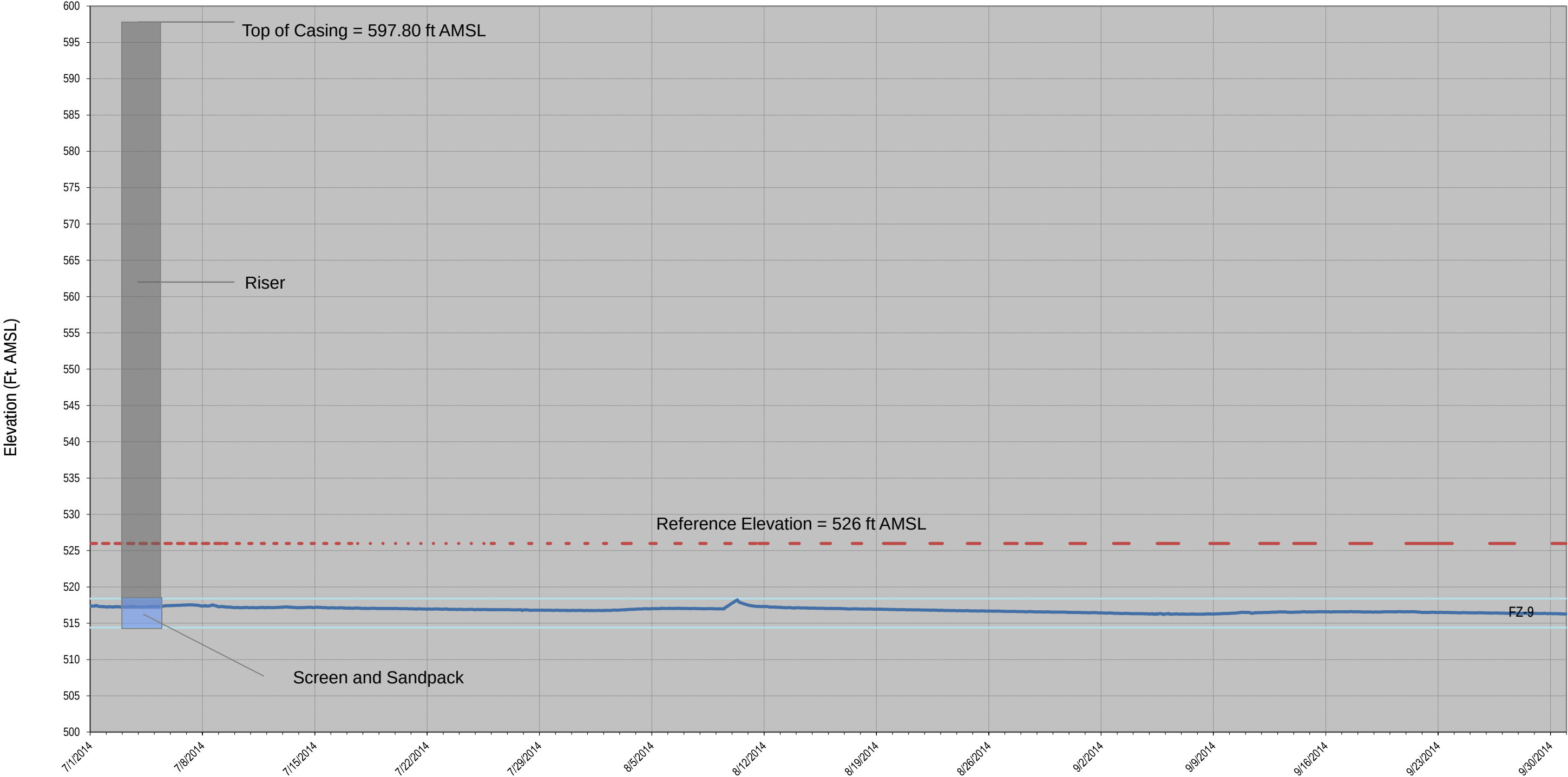


figure 10

**WATER LEVEL ELEVATION SUMMARY
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Overburden			
CMW-2OB	590.79	6.51	584.28
CMW-3OB	582.13	8.39	573.74
CMW-4OB	574.28	0.55	573.73
CMW-5OB	583.43	1.69	581.74
CMW-6OB	571.89	0.14	571.75
CMW-7OB	611.00	Dry	-
CMW-8OB	616.11	Dry	-
CMW-9OB	571.76	Dry	-
CMW-10B	576.80	5.40	571.40
CMW-11OB	572.85	3.87	568.98
CMW-12OB	594.74	19.88	574.86
OMW-1	605.28	6.93	598.35
OMW-2	605.99	5.95	600.04
OMW-3	598.63	11.21	587.42
OMW-4R	601.17	12.08	589.09
OMW-5R	591.31	7.17	584.14
OMW-6	587.62	2.42	585.20
OMW-7	592.74	8.45	584.29
OMW-8R2	594.67	9.82	584.85
OMW-9	595.52	8.72	586.80
OMW-10R	595.13	9.10	586.03
OMW-11R	597.52	6.95	590.57
OMW-12R	597.20	6.16	591.04
OMW-13R	601.50	9.18	592.32
OMW-14R	599.64	7.02	592.62
OMW-15	607.48	6.29	601.19
OMW-16R	607.62	8.34	599.28
SC-2	625.61	36.91	588.70
SC-3	638.72	41.02	597.70
SC-4	639.35	30.65	608.70
SC-5	634.07	28.37	605.70
SC-6	631.15	52.95	578.20
Shallow Bedrock			
CMW-1SH	576.11	13.03	563.08
CMW-2SH	590.51	19.58	570.93
CMW-3SH	581.91	33.49	548.42
CMW-4SH	574.16	8.08	566.08
CMW-5SH	583.36	8.86	574.50
CMW-6SH	572.05	10.34	561.71
CMW-7SH	610.58	Dry	598.65
CMW-8SH	615.95	10.03	605.92
CMW-9SH	571.96	12.20	559.76
CMW-11SH	573.21	8.23	564.98
CMW-12SH	597.02	28.21	568.81

**WATER LEVEL ELEVATION SUMMARY
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 1			
G1U-01	617.08	16.96	600.12
G6-01	609.24	8.96	600.28
H2U-01	620.92	13.00	607.92
H5-01	617.61	23.55	594.06
I1-01	625.58	27.85	597.73
Flow Zone 2			
F2U-02	599.89	25.47	574.42
F4U-02	602.32	16.86	585.46
G1-02	616.86	25.89	590.97
G6-02	608.65	18.27	590.38
H2U-02	620.88	28.59	592.29
H5-02	617.47	24.97	592.50
I1-02	625.47	39.86	585.61
J2U-02	609.66	17.42	592.24
J5U-02	606.21	13.25	592.96
J6-02	609.23	16.27	592.96
Flow Zone 4			
AFW-2U-04	593.48	18.32	575.16
D1U-04	593.77	14.75	579.02
D2U-04	590.65	12.98	577.67
E6-04	578.23	14.15	564.08
F2U-04	599.76	23.29	576.47
F4U-04	602.19	17.25	584.94
F6-04	588.06	18.24	569.82
G1U-04	616.96	26.44	590.52
G6-04	609.15	18.41	590.74
H5-04	617.40	25.19	592.21
I1-04	625.30	41.84	583.46
J2U-04	609.42	19.32	590.10
J5U-04	606.05	22.02	584.03
J6-04	609.12	31.33	577.79
Flow Zone 5			
AFW-2U-05	593.33	18.43	574.90
AGW-1U-05	591.80	9.58	582.22
D1U-05	593.51	15.64	577.87
D2U-05	590.56	12.86	577.70
E6-05	578.04	12.26	565.78
F2U-05	599.64	22.88	576.76
F4U-05	602.06	18.30	583.76
F6-05	587.85	18.13	569.72
G6-05	609.13	18.65	590.48
H2M-05	621.59	29.78	591.81
H5-05	617.31	26.73	590.58
I1-05	625.25	71.55	553.70
J2U-05	609.30	33.11	576.19
J5U-05	605.87	29.69	576.18
J6-05	609.02	31.57	577.45
PMW-1U-05	598.00	21.66	576.34

**WATER LEVEL ELEVATION SUMMARY
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 6			
ABP-7-06	575.78	Dry	-
AFW-1U-06	571.83	14.93	556.90
AFW-2U-06	593.22	48.03	545.19
AGW-1U-06	591.66	40.29	551.37
B2U-06	589.29	36.87	552.42
C3-06	585.78	Dry	-
D1U-06	593.25	46.45	546.80
D2U-06	590.38	42.94	547.44
E6-06	577.99	5.45	572.54
F2M-06	599.06	41.38	557.68
F4M-06	602.05	49.02	553.03
F6-06	587.84	15.28	572.56
G1M-06	616.75	44.07	572.68
G6-06	609.09	35.16	573.93
H2M-06	621.42	60.68	560.74
H5-06	617.17	24.41	592.76
I1-06	625.15	72.28	552.87
J2M-06	608.94	55.69	553.25
J5M-06	606.22	59.71	546.51
J6-06	608.93	52.62	556.31
PMW-1U-06	597.92	50.07	547.85
Flow Zone 7			
ABP-1-07	576.44	29.38	547.06
ABP-7-07	575.73	42.55	533.18
AFW-1M-07	571.41	Dry	-
AFW-2M-07	593.44	66.79	526.65
AGW-1M-07	592.91	39.57	553.34
B2M-07	589.52	52.71	536.81
C3-07	585.62	44.52	541.10
D1M-07	594.15	66.96	527.19
D2M-07	590.77	66.68	524.09
E6-07	577.91	23.50	554.41
F2M-07	598.91	81.64	517.27
F4M-07	601.91	71.56	530.35
F6-07	587.68	20.23	567.45
G1M-07	616.68	36.88	579.80
G6-07	609.06	29.28	579.78
H5-07	617.05	60.65	556.40
I1-07	625.14	71.91	553.23
J5M-07	606.07	51.79	554.28
J6-07	608.85	55.32	553.53
PMW-1M-07	598.50	67.30	531.20

**WATER LEVEL ELEVATION SUMMARY
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 9			
ABP-1-09	575.49	41.07	534.42
ABP-7-09	575.67	45.17	530.50
AFW-1M-09	571.12	46.25	524.87
AFW-2M-09	593.32	72.11	521.21
AGW-1M-09	592.75	39.90	552.85
B2M-09	589.34	68.72	520.62
C3-09	585.00	45.21	539.79
D1M-09	594.02	76.49	517.53
D2M-09	590.66	74.10	516.56
E6-09	577.82	23.95	553.87
F2M-09	598.71	82.31	516.40
F4M-09	601.79	85.52	516.27
F6-09	587.53	12.31	575.22
G1M-09	616.58	37.33	579.25
G6-09	608.98	28.51	580.47
H2M-09	621.32	69.42	551.90
H5-09	616.93	64.66	552.27
I1-09	624.91	61.97	562.94
J2M-09	608.77	55.47	553.30
J5M-09	605.82	51.99	553.83
J6-09	608.76	45.11	563.65
PMW-1M-09	598.34	81.86	516.48
Flow Zone 11			
AFW-1L-11	572.10	66.47	505.63
AFW-2L-11	593.43	98.02	495.41
AGW-1L-11	592.71	14.61	578.10
B2L-11	589.65	90.63	499.02
D1L-11	593.80	89.54	504.26
D2L-11	590.21	71.50	518.71
E6-11	577.72	40.05	537.67
F2L-11	598.94	40.13	558.81
F4L-11	602.22	24.46	577.76
F6-11	587.40	55.12	532.28
G1L-11	616.84	55.52	561.32
G6-11	608.89	44.82	564.07
H2L-11	620.73	59.71	561.02
H5-11	616.81	66.51	550.30
I1-11	624.75	75.04	549.71
J5L-11	607.20	58.88	548.32
J6-11	608.68	23.03	585.65
PMW-1L-11	598.84	87.97	510.87

**WATER LEVEL ELEVATION SUMMARY
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Purge Wells			
APW-1	564.98	54.98	510.00
APW-2	569.89	57.89	512.00
PW-1L	593.16	94.06	499.10
PW-1U	593.16	46.86	546.30
PW-2L	597.29	101.99	495.30
PW-2M	596.61	84.51	512.10
PW-2UR	594.75	35.45	559.30
PW-3L	599.05	92.15	506.90
PW-3M	597.79	75.09	522.70
PW-4M	606.93	82.63	524.30
PW-4U	604.85	32.35	572.50
PW-5UR	601.31	43.31	558.00
PW-6UMR	609.31	102.61	506.70
PW-6UR	608.47	50.47	558.00
PW-7U	592.47	51.67	540.80
PW-8M	592.67	70.37	522.30
PW-8U	589.27	39.17	550.10
PW-9U	587.47	48.07	539.40
PW-10U	593.54	28.54	565.00

Notes:

ft AMSL Feet above mean sea level

Dry No water present at the time of measurement

- Not available/not applicable

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Effluent</i>	<i>Comments</i>
			<i>Flow (gal)</i>	
07/01/14	-	-	0	
07/02/14	0.0062 J	7.1	175,000	
07/03/14	-	7.1	48,000	
07/04/14	-	-	0	
07/05/14	-	-	0	
07/06/14	-	-	0	
07/07/14	-	7	131,000	
07/08/14	-	7.1	132,000	
07/09/14	0.0039 J	7.1	130,000	
07/10/14	-	7	103,000	
07/11/14	-	-	0	
07/12/14	-	-	0	
07/13/14	-	-	0	
07/14/14	-	6.8	153,000	
07/15/14	-	6.8	128,000	
07/16/14	0.0072 J	6.8	109,000	
07/17/14	-	6.9	80,000	
07/18/14	-	-	0	
07/19/14	-	-	0	
07/20/14	-	-	0	
07/21/14	-	6.8	133,000	
07/22/14	-	6.8	105,000	
07/23/14	0.0069 J	-	0	
07/24/14	-	6.9	97,000	
07/25/14	-	6.9	76,000	
07/26/14	-	-	0	
07/27/14	-	-	0	
07/28/14	-	6.9	141,000	
07/29/14	-	6.9	111,000	
07/30/14	0.010 U	7.1	93,000	
07/31/14	-	7	124,000	

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Effluent</i>	<i>Comments</i>
			<i>Flow (gal)</i>	
08/01/14	-	7	89,000	
08/02/14	-	-	0	
08/03/14	-	-	0	
08/04/14	-	7	127,000	
08/05/14	-	7.1	131,000	
08/06/14	0.010 U	7	121,000	
08/07/14	-	7.1	107,000	
08/08/14	-	7.1	71,000	
08/09/14	-	-	0	
08/10/14	-	-	0	
08/11/14	-	7.1	123,000	
08/12/14	-	7.1	100,000	
08/13/14	0.0048 J	7.1	57,000	
08/14/14	-	-	0	
08/15/14	-	7.1	88,000	
08/16/14	-	-	0	
08/17/14	-	-	0	
08/18/14	0.010 U	7.1	108,000	
08/19/14	-	7.1	127,000	
08/20/14	-	-	0	
08/21/14	-	7.1	92,000	
08/22/14	-	-	0	
08/23/14	-	-	0	
08/24/14	-	-	0	
08/25/14	-	7.1	67,000	
08/26/14	-	7	128,000	
08/27/14	0.010 U	7	116,000	
08/28/14	-	-	0	
08/29/14	-	6.9	52,000	
08/30/14	-	-	0	
08/31/14	-	-	0	

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Effluent</i>	<i>Comments</i>
			<i>Flow (gal)</i>	
09/01/14	-	-	0	
09/02/14	-	1.8	126,000	
09/03/14	-	1.2	123,000	
09/04/14	0.010	1.8	84,000	
09/05/14	-	-	0	
09/06/14	-	-	0	
09/07/14	-	-	0	
09/08/14	-	1.8	124,000	
09/09/14	-	2.6	162,000	
09/10/14	-	2.8	131,000	
09/11/14	0.022	2.6	146,000	
09/12/14	-	-	0	
09/13/14	-	-	0	
09/14/14	-	-	0	
09/15/14	-	2.8	105,000	
09/16/14	0.013	3	110,000	
09/17/14	-	3.4	91,000	
09/18/14	-	-	0	
09/19/14	-	-	0	
09/20/14	-	-	0	
09/21/14	-	-	0	
09/22/14	-	3.4	112,000	
09/23/14	-	3.4	121,000	
09/24/14	0.010	3	83,000	
09/25/14	-	-	0	
09/26/14	-	3	91,000	
09/27/14	-	-	0	
09/28/14	-	-	0	
09/29/14	-	3.2	121,000	
09/30/14	-	3	35,000	

Notes:

mg/L Milligram per liter
 su Standard unit
 gal Gallons
 - Not available
 U Non-detect at associated value
 J Estimated concentration

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<u>07/02/14</u>	<u>07/09/14</u>	<u>07/16/14</u>	<u>07/23/14</u>	<u>07/30/14</u>	<u>08/06/14</u>	<u>08/13/14</u>	<u>08/18/14</u>
Volatiles									
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	0.64 J	0.38 J	0.23 J	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	1.0 U
cis-1,2-Dichloroethene	µg/L	0.41 J	0.70 J	0.53 J	0.68 J	0.51 J	0.59 J	0.46 J	0.44 J
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	0.14 J	0.15 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	160	160	190	200	200	220	140	150
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<u>08/27/14</u>	<u>09/04/14</u>	<u>09/11/14</u>	<u>09/16/14</u>	<u>09/24/14</u>
Volatiles						
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	0.27 J	1.0 U	0.34 J	0.38 J	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.58 J	0.60 J	0.66 J	0.56 J	0.47 J
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	200	260	230	240	240
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

Notes:

J Estimated at associated value
U Non-detect at associated value
µg/L Microgram per liter

**ANALYTICAL RESULTS SUMMARY
QUARTERLY SAMPLING - LEACHATE TREATMENT SYSTEM
THIRD QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Sample Location:</i>	<i>EFFLUENT</i>
<i>Sample ID:</i>	<i>HP93014EFF</i>
<i>Sample Date:</i>	<i>09/30/14</i>

Volatile Organic Compounds

Vinyl chloride	µg/L	210
----------------	------	-----

General Chemistry

Phosphorus	mg/L	0.19
------------	------	------

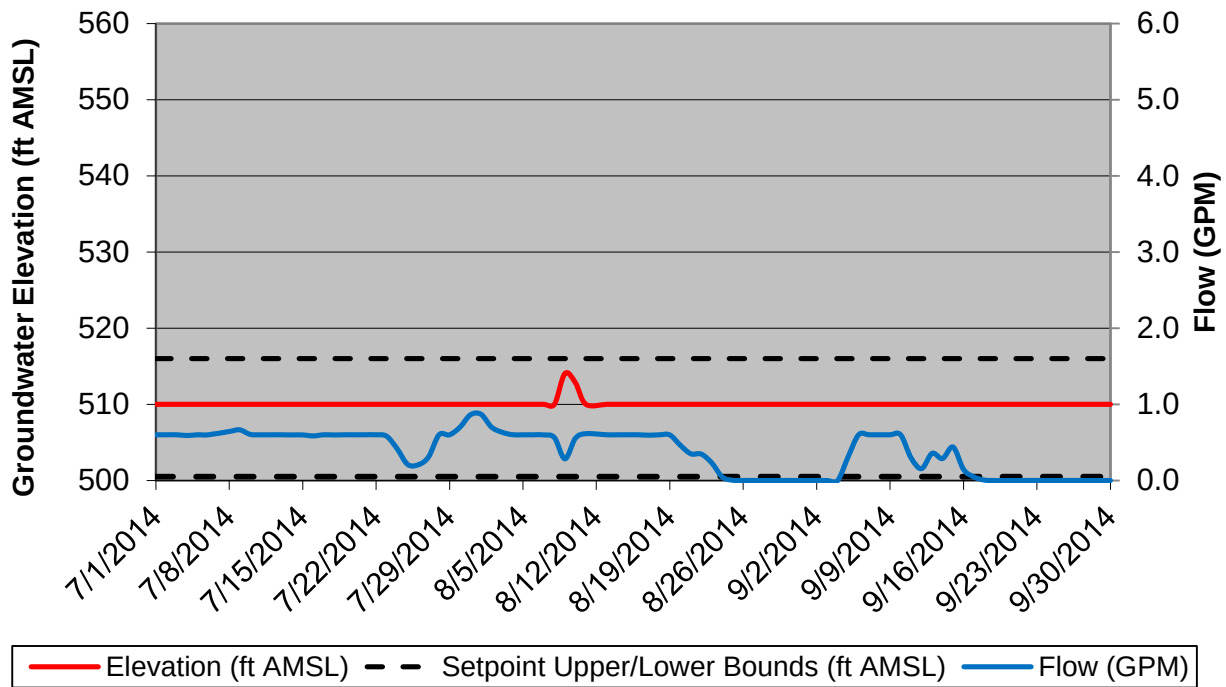
Notes:

mg/L	Milligrams per liter
µg/L	Micrograms per liter

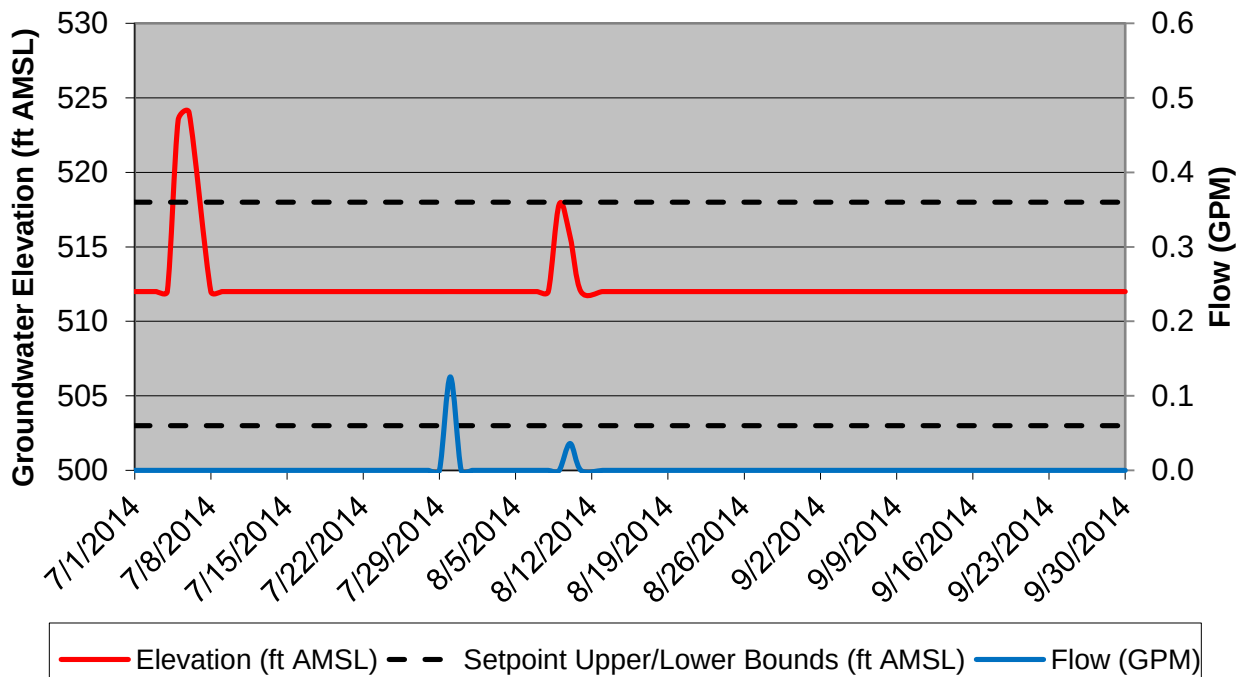
Attachment A

THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well APW-1

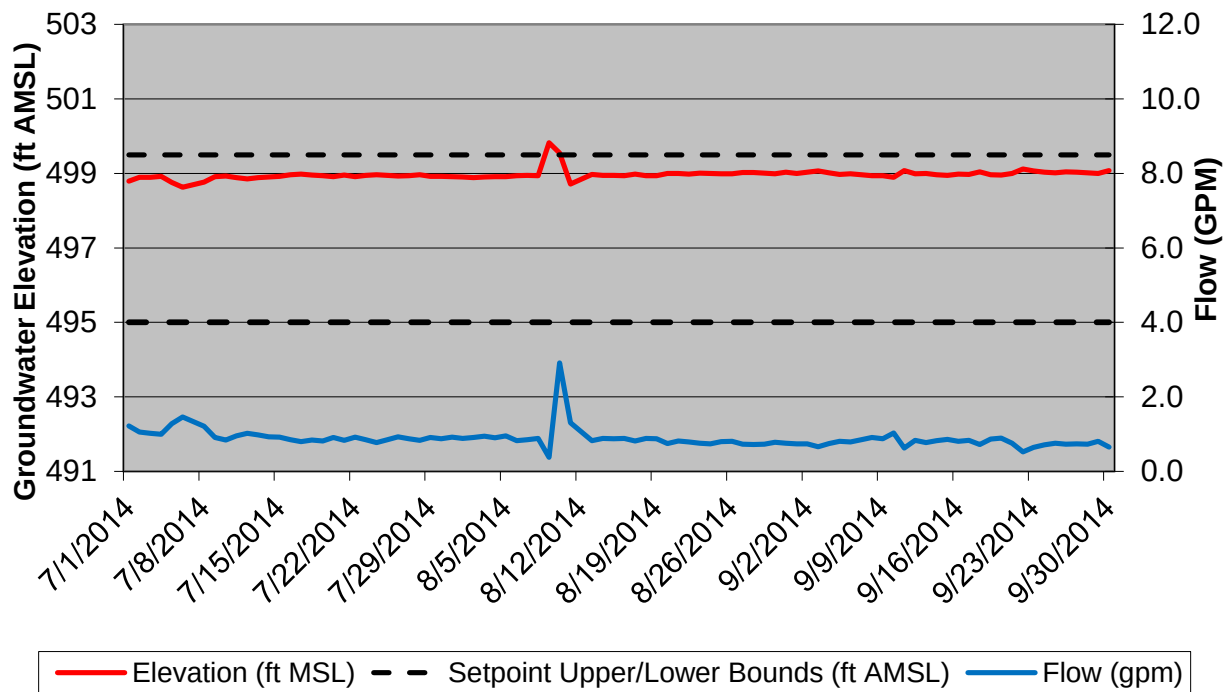


Well APW-2

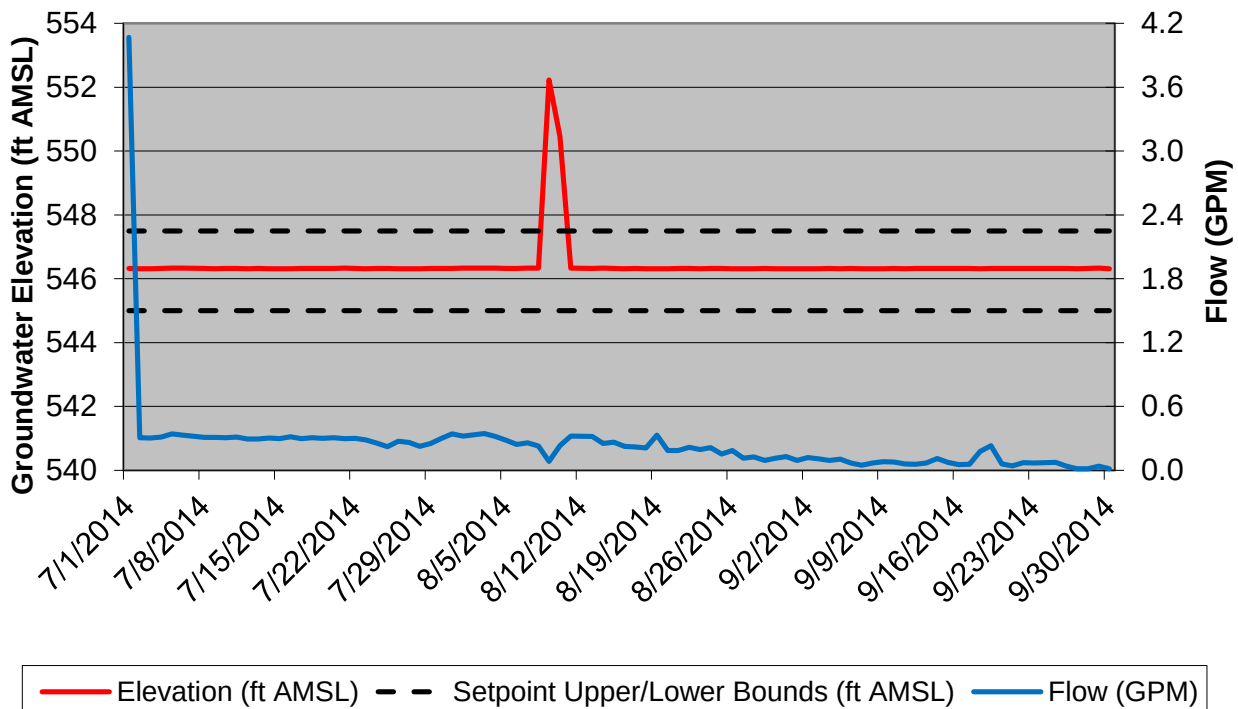


THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-1L



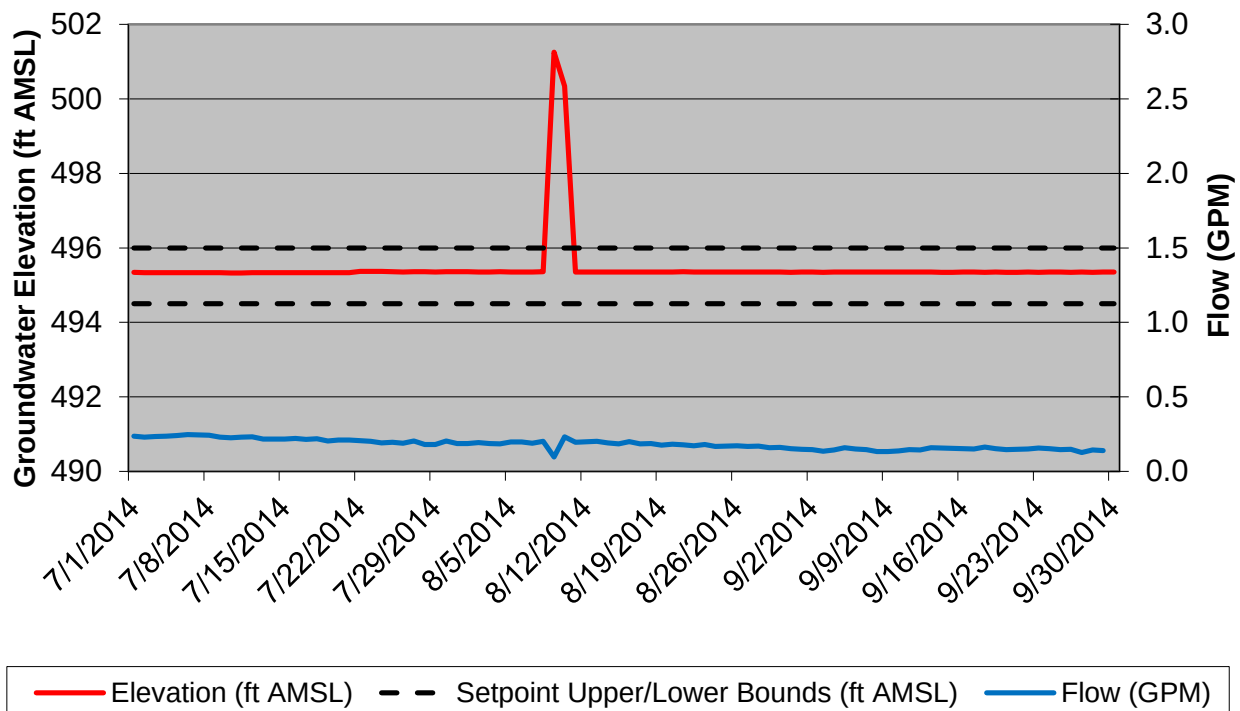
Well PW-1U



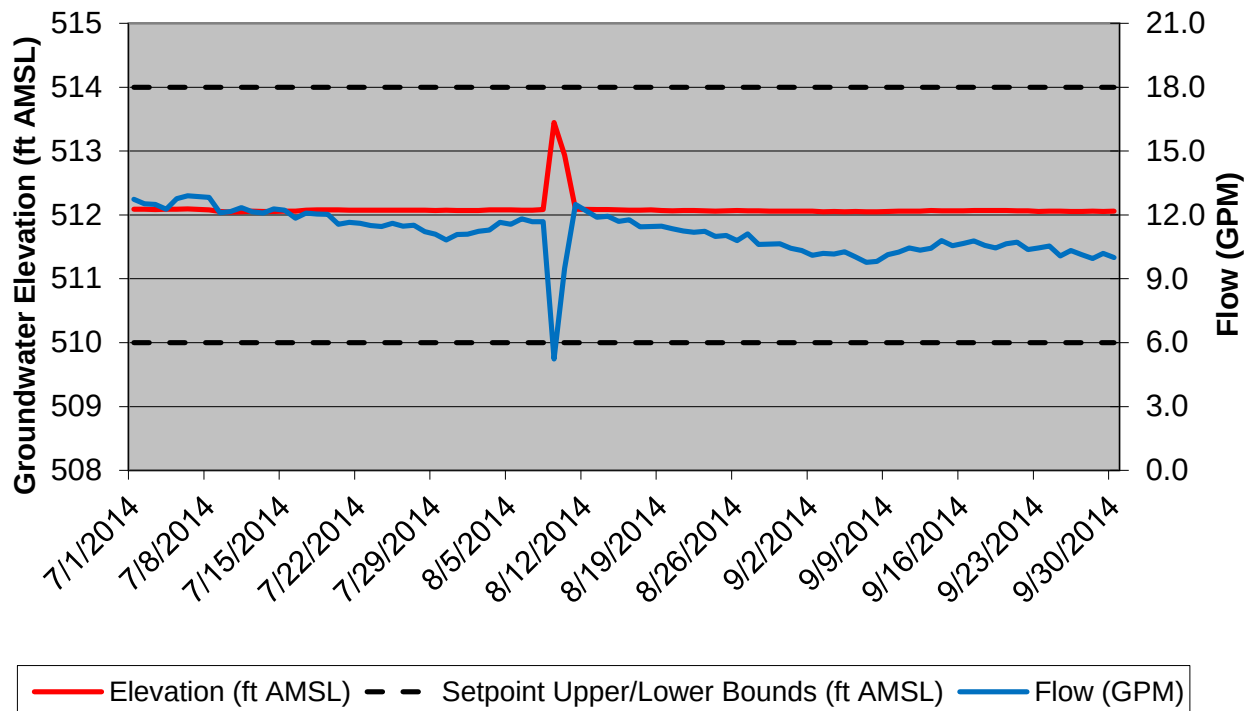
THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS

HYDE PARK

Well PW-2L



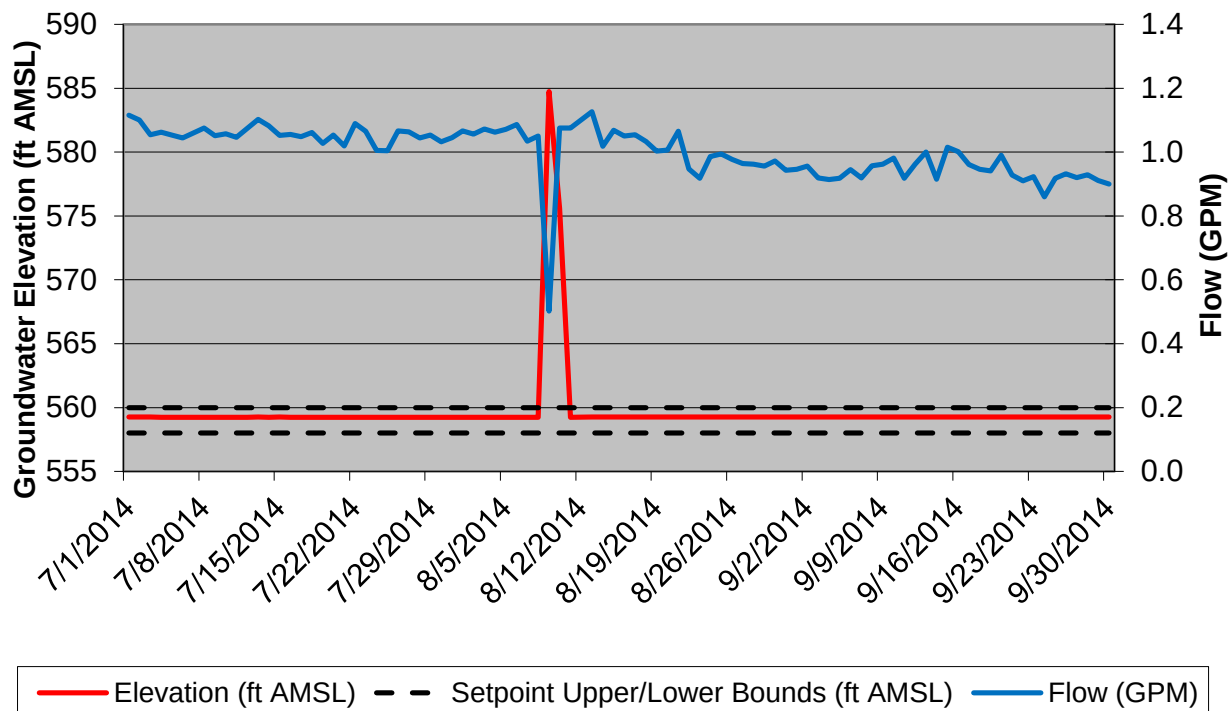
Well PW-2M



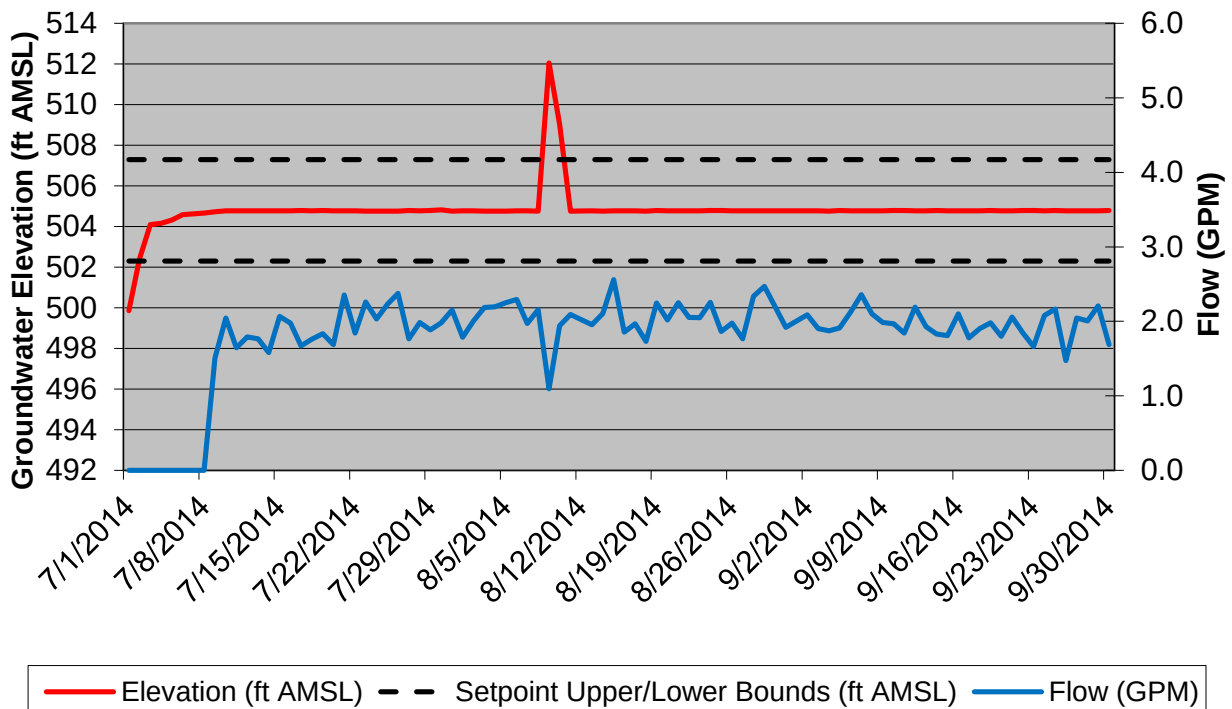
THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS

HYDE PARK

Well PW-2UR

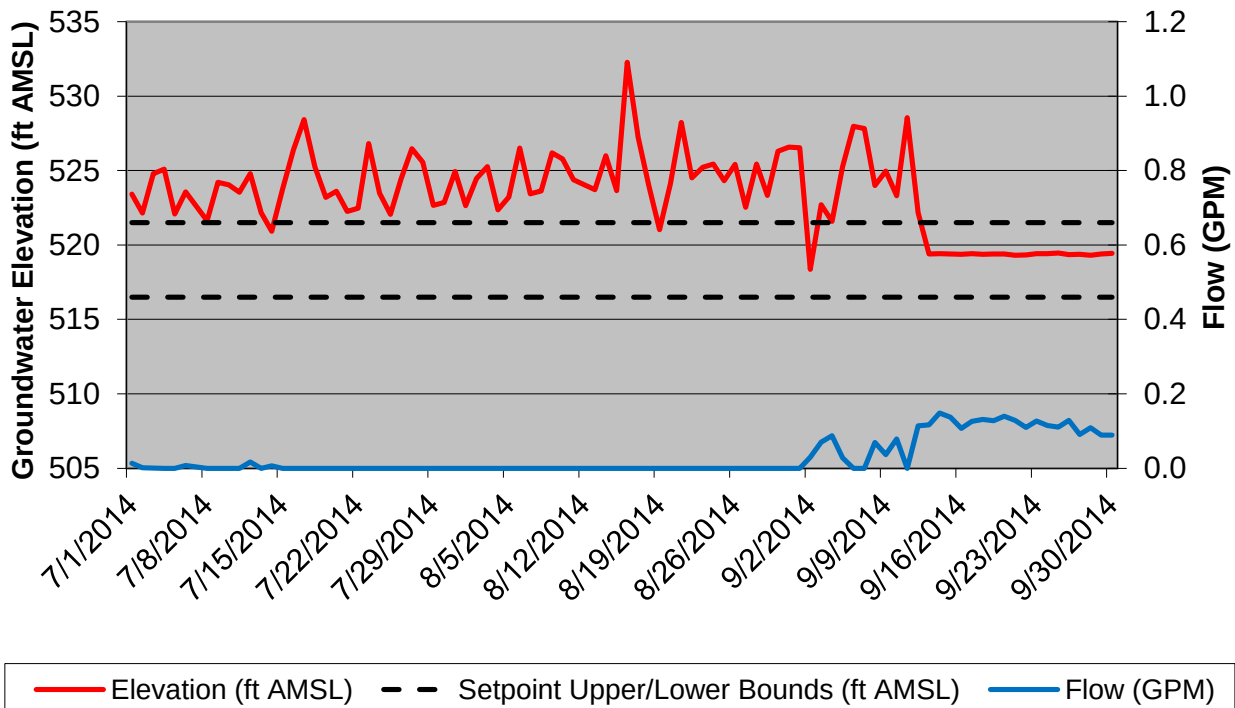


Well PW-3L

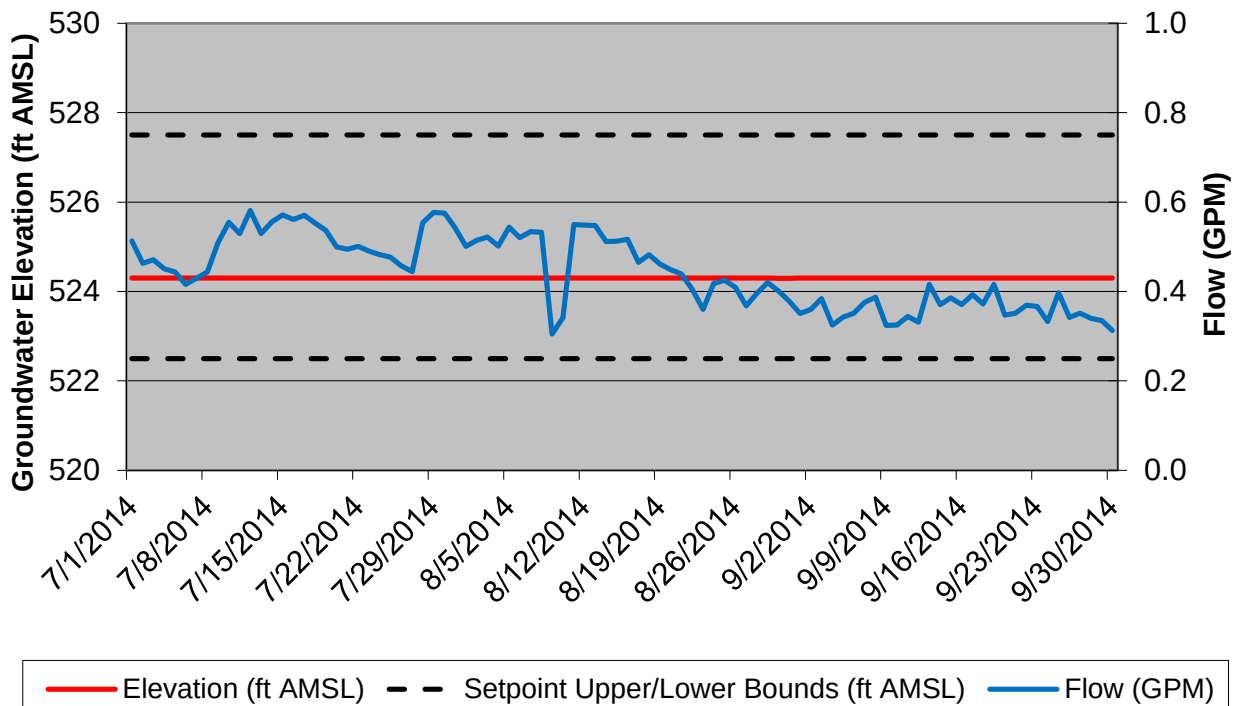


THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-3M

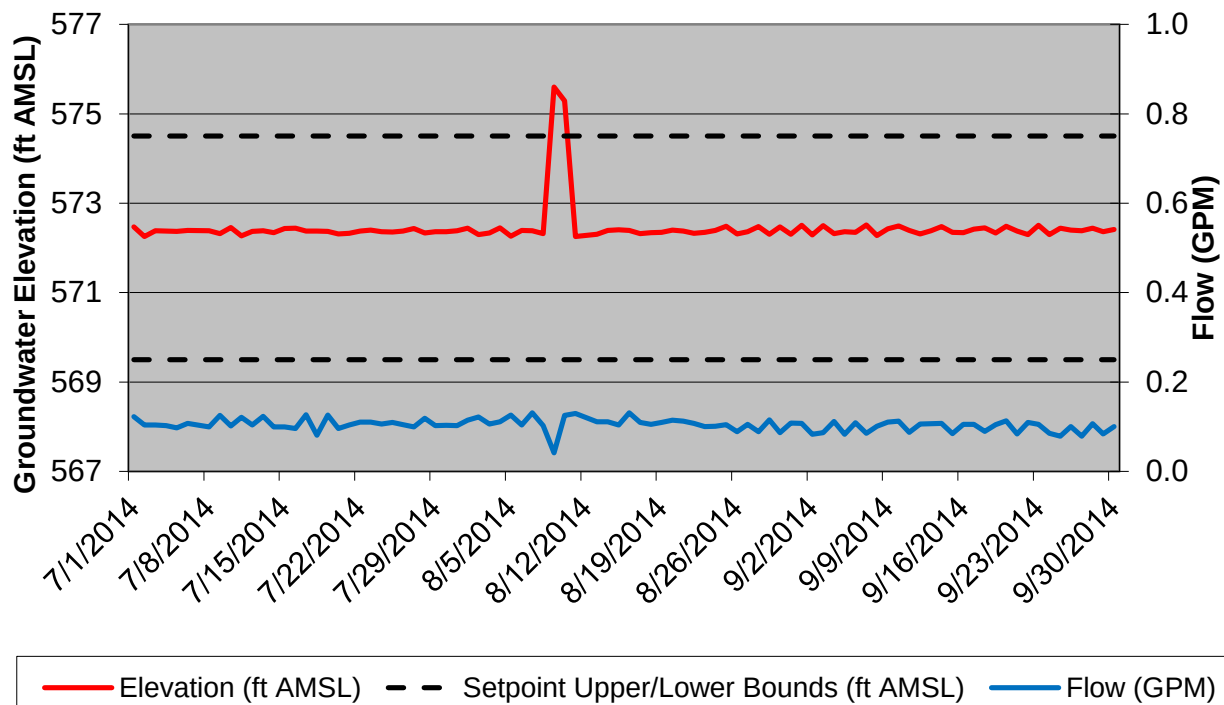


Well PW-4M

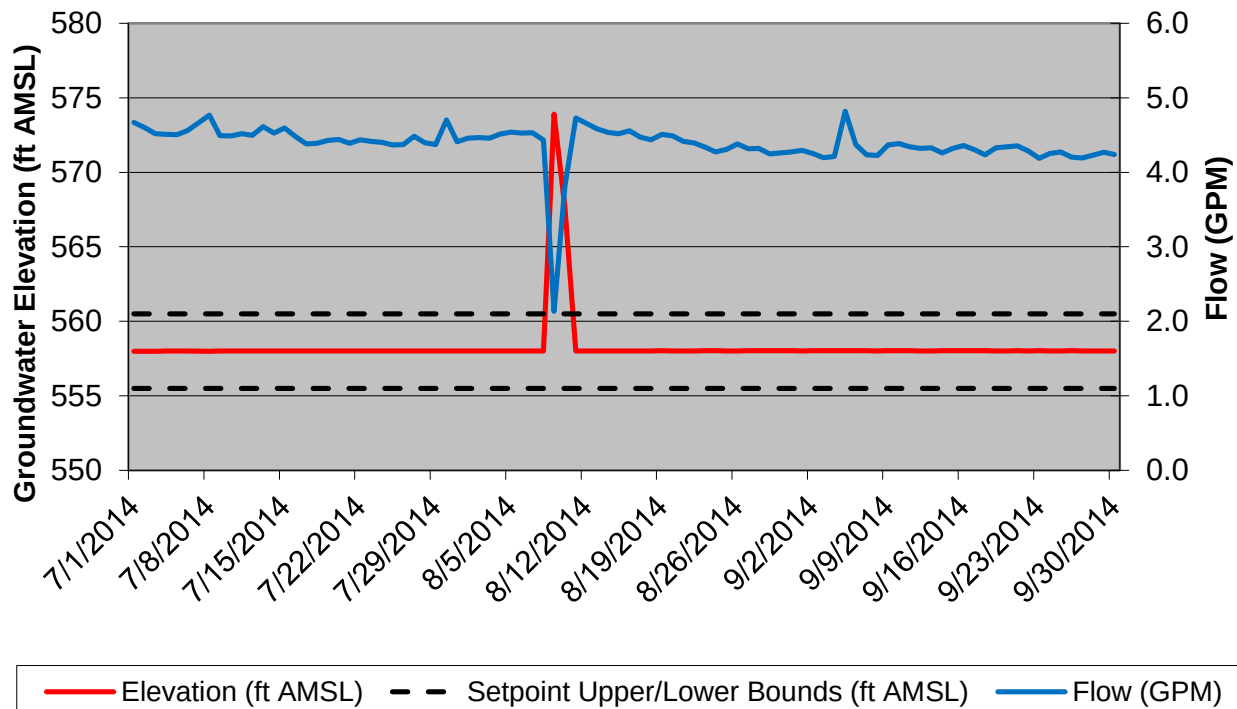


THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-4U

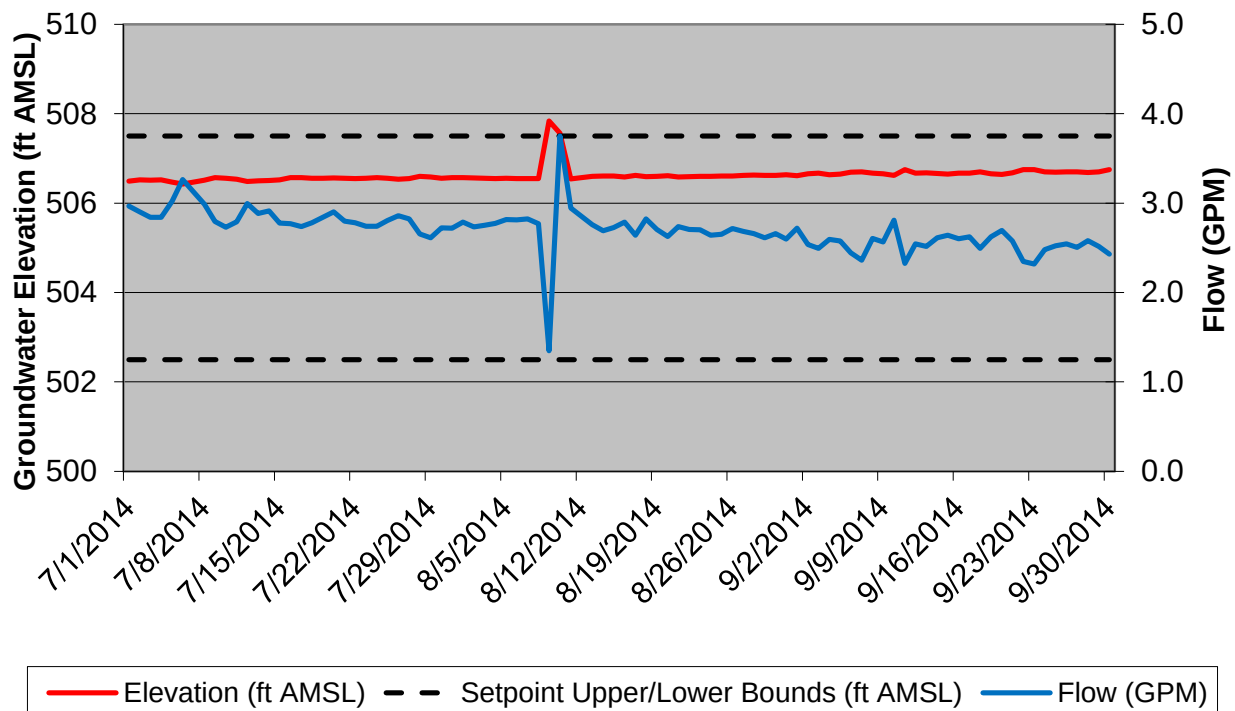


Well PW-5UR

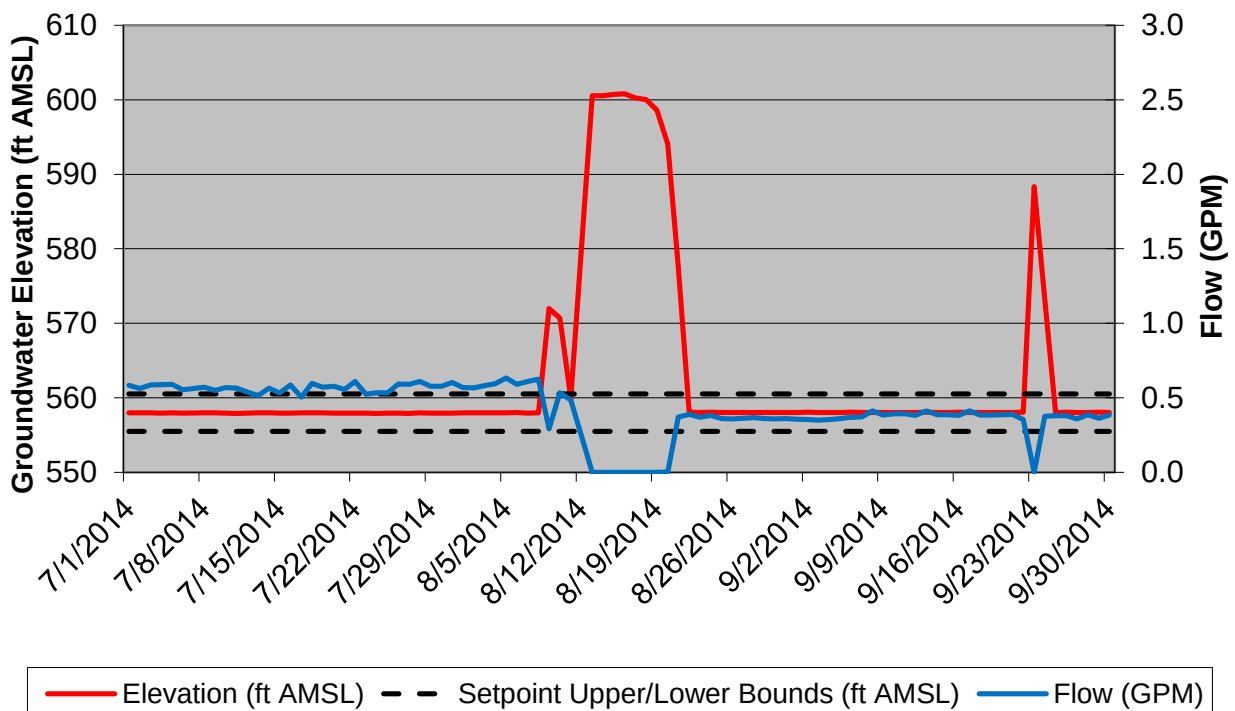


THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-6MR

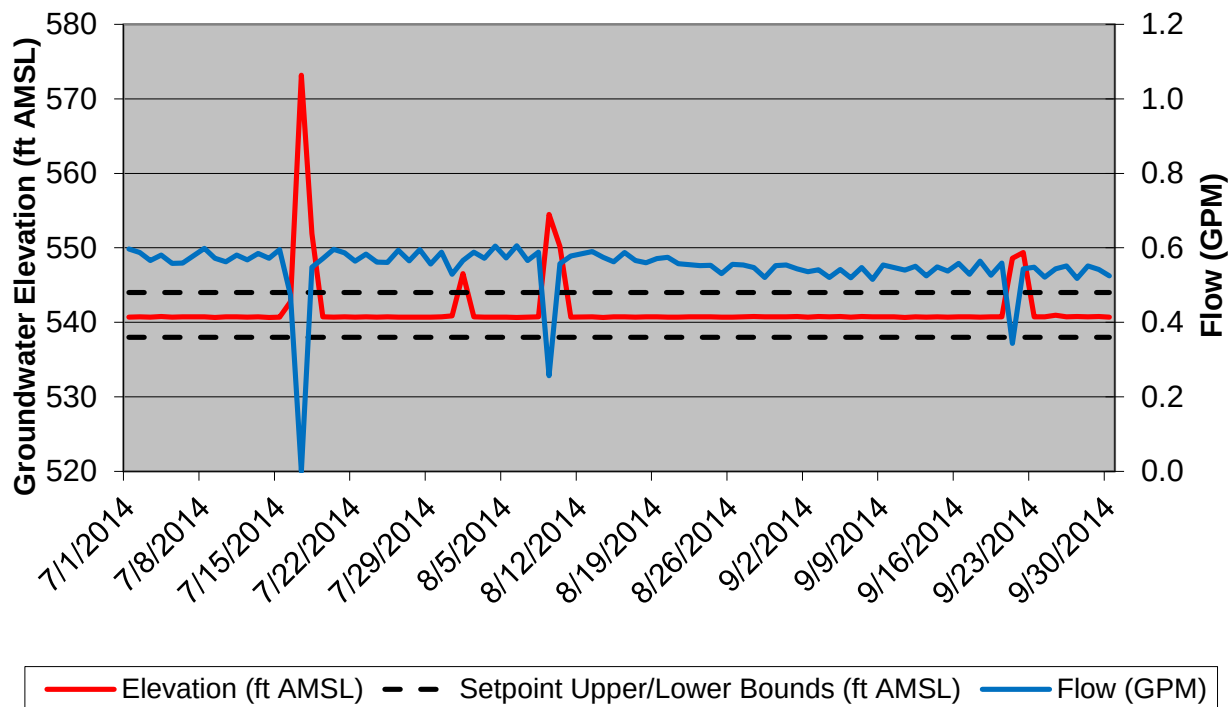


Well PW-6UR

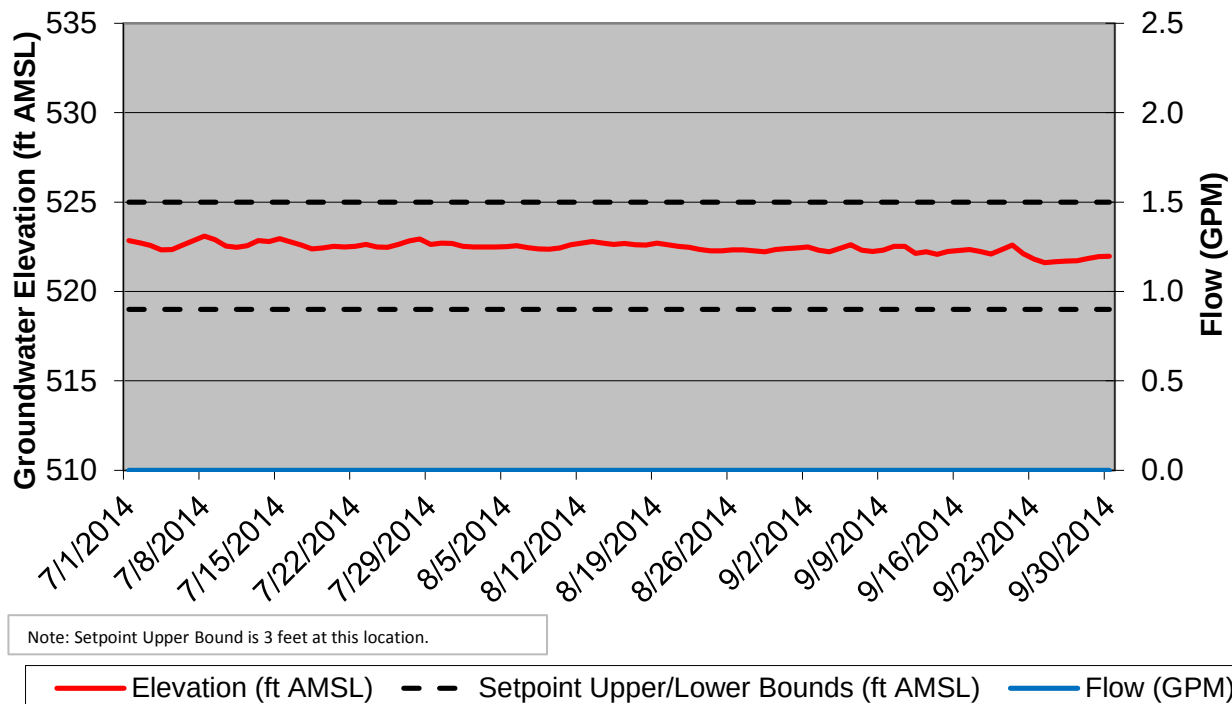


THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-7U

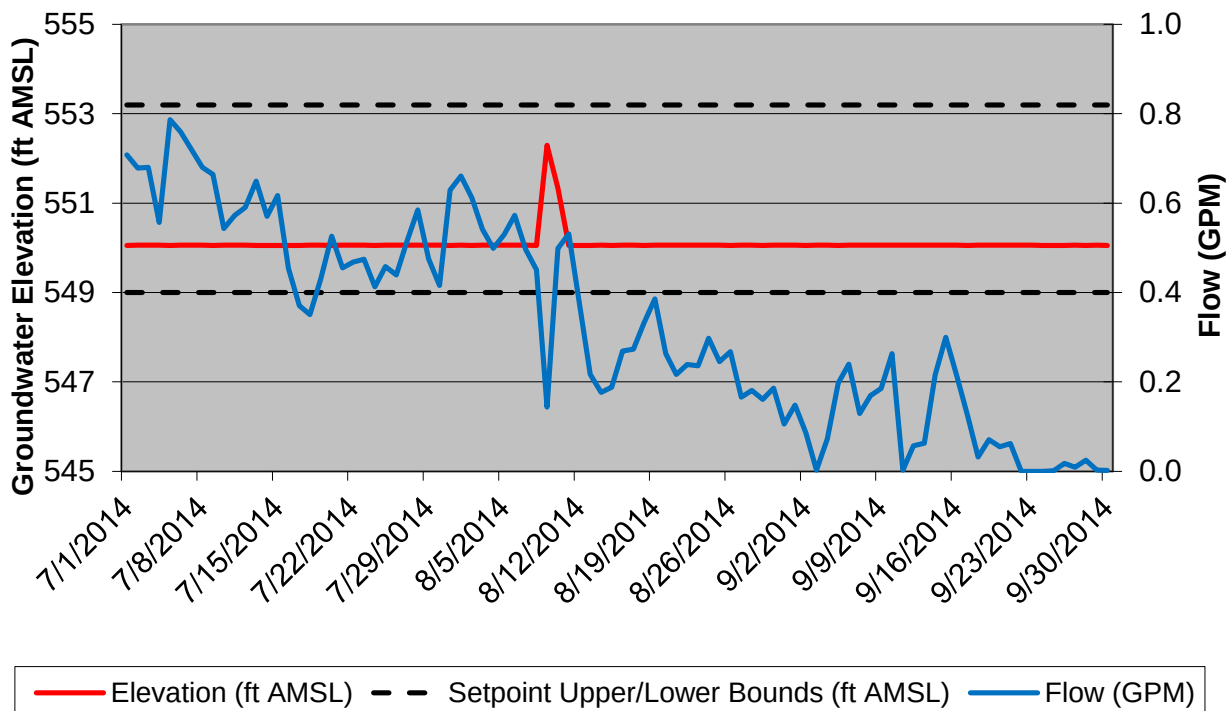


Well PW-8M

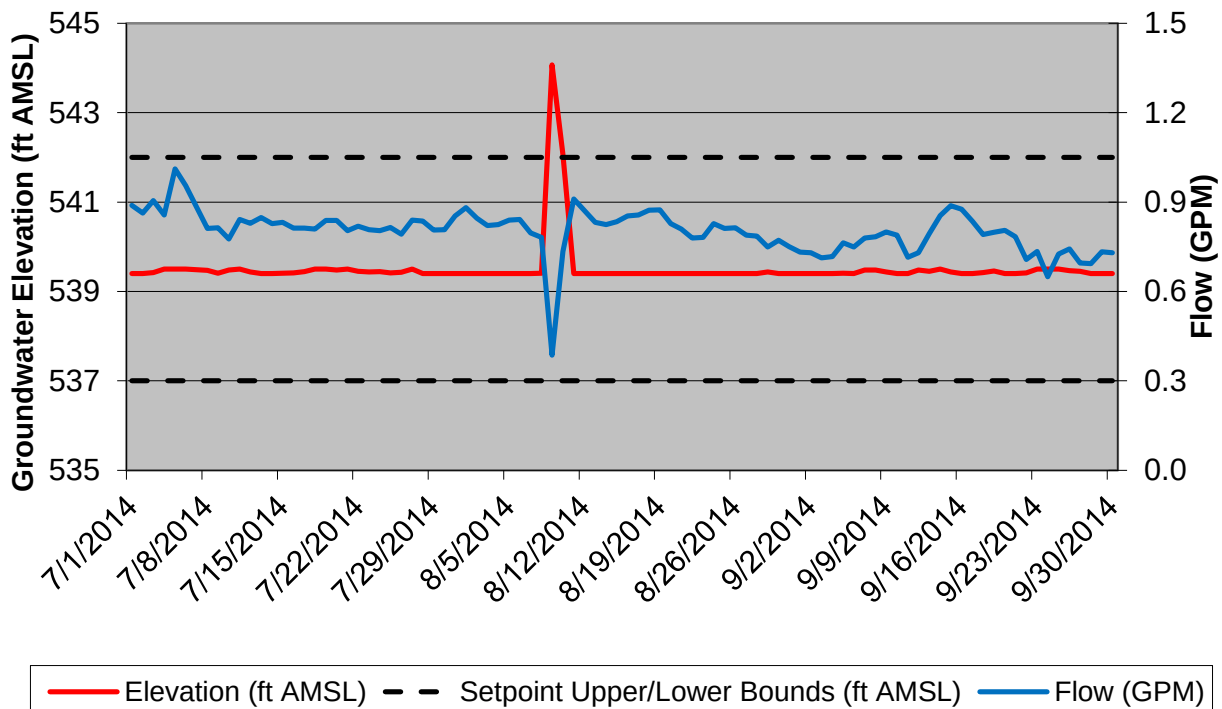


THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-8U



Well PW-9U



THIRD QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

