



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

January 22, 2015

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 – Fourth 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 October 1, 2014 through December 31, 2014. A total of 5.3 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 this 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 Fourth Quarter 2014:

- The pump in APW-2 shut down repeatedly due to leak detection alarms. The leak was found and repaired on December 1. Other than a large precipitation event from December 16 to December 17 (0.63 inch of rain and 0.5 inch of snow), the water level in APW-2 remained at setpoint for the rest of the quarter.
- The pump in PW-2M was periodically shutting off overnight due to problems with its variable speed drive. The pump would function properly after being manually reset in the morning, and would quickly draw the water level down to within setpoint range. On December 11, the pump would no longer function upon manual reset. A new drive was installed on December 29, and the pump itself replaced on December 30. The pump functioned properly after restarting on December 30, and the water level in PW-2M returned to setpoint before the end of Fourth Quarter 2014.
- As described in the Third Quarter 2014 report, scaling issues with the level transducer installed in PW-3L in the Second Quarter of 2014 necessitated adjustments to setpoint to achieve the desired water levels without the pump running dry. After reprogramming for proper scaling, the setpoint was lowered to 500 feet above mean sea level (AMSL) on October 19, 2014. This setpoint was maintained for the remainder of the quarter.
- Repeated electrical faults in PW-6MR required manual resets of the pump every few days. The faults were diagnosed and corrected on November 16, and the pump operated at setpoint for the remainder of the quarter.
- A circuit breaker for PW-7U tripped causing the pump to shut down on October 12. The breaker was reset on October 13, and the water level in PW-7U returned to setpoint on October 15. The pump operated within setpoint range for the remainder of Fourth Quarter 2014.

January 22, 2015

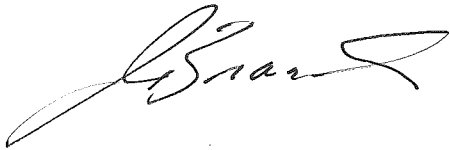
Reference No. 001069

- 3 -

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, appearing to read "Branch", with a stylized flourish at the end.

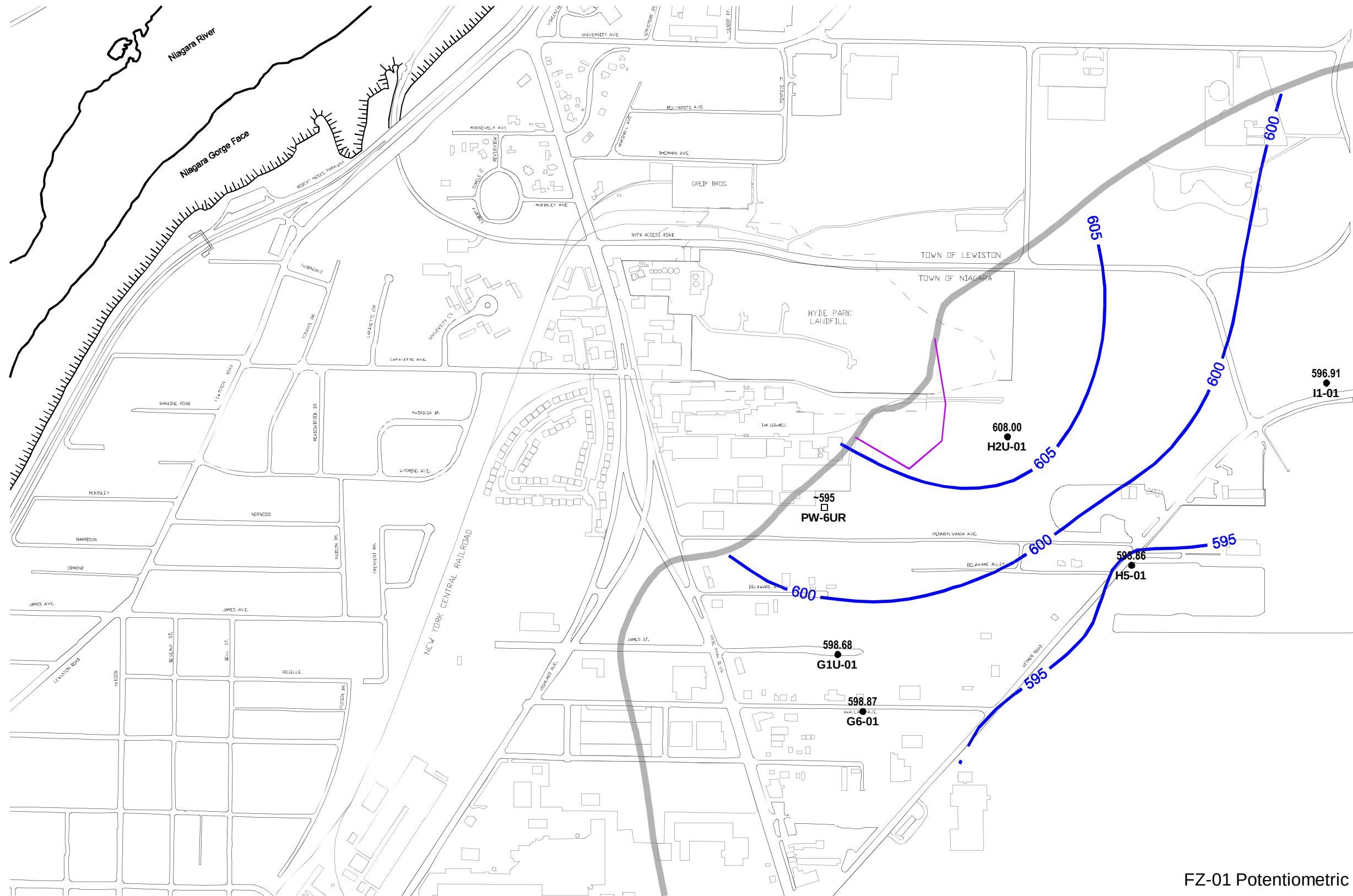
Joe Branch
Site Manager
231-670-6809 Cell

JB/adh/18
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.

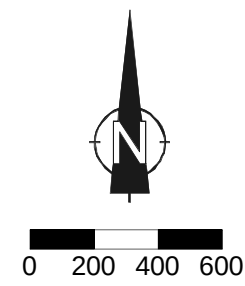


figure 1
 FZ-01 Potentiometric Surface December 2014
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York

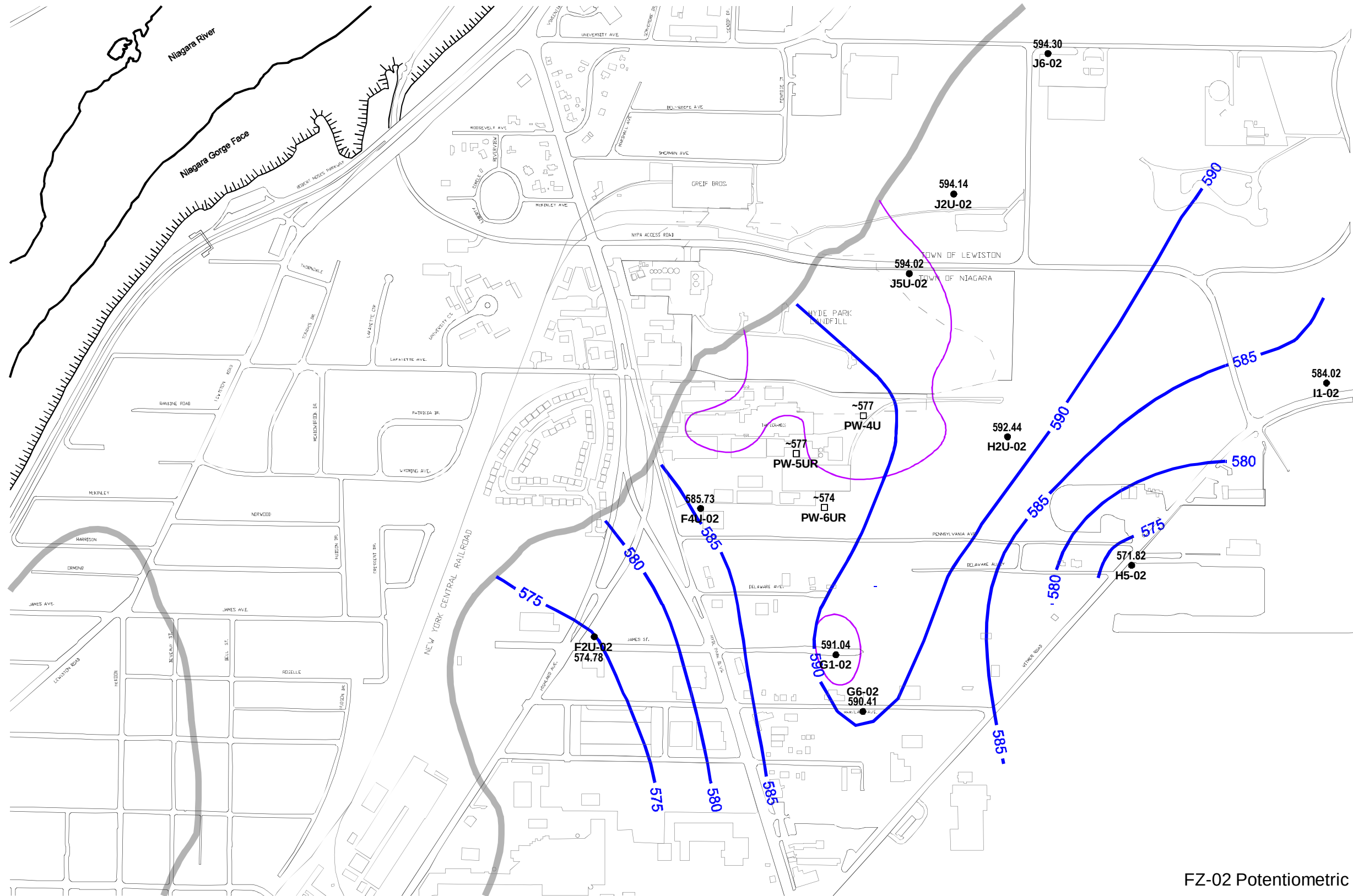
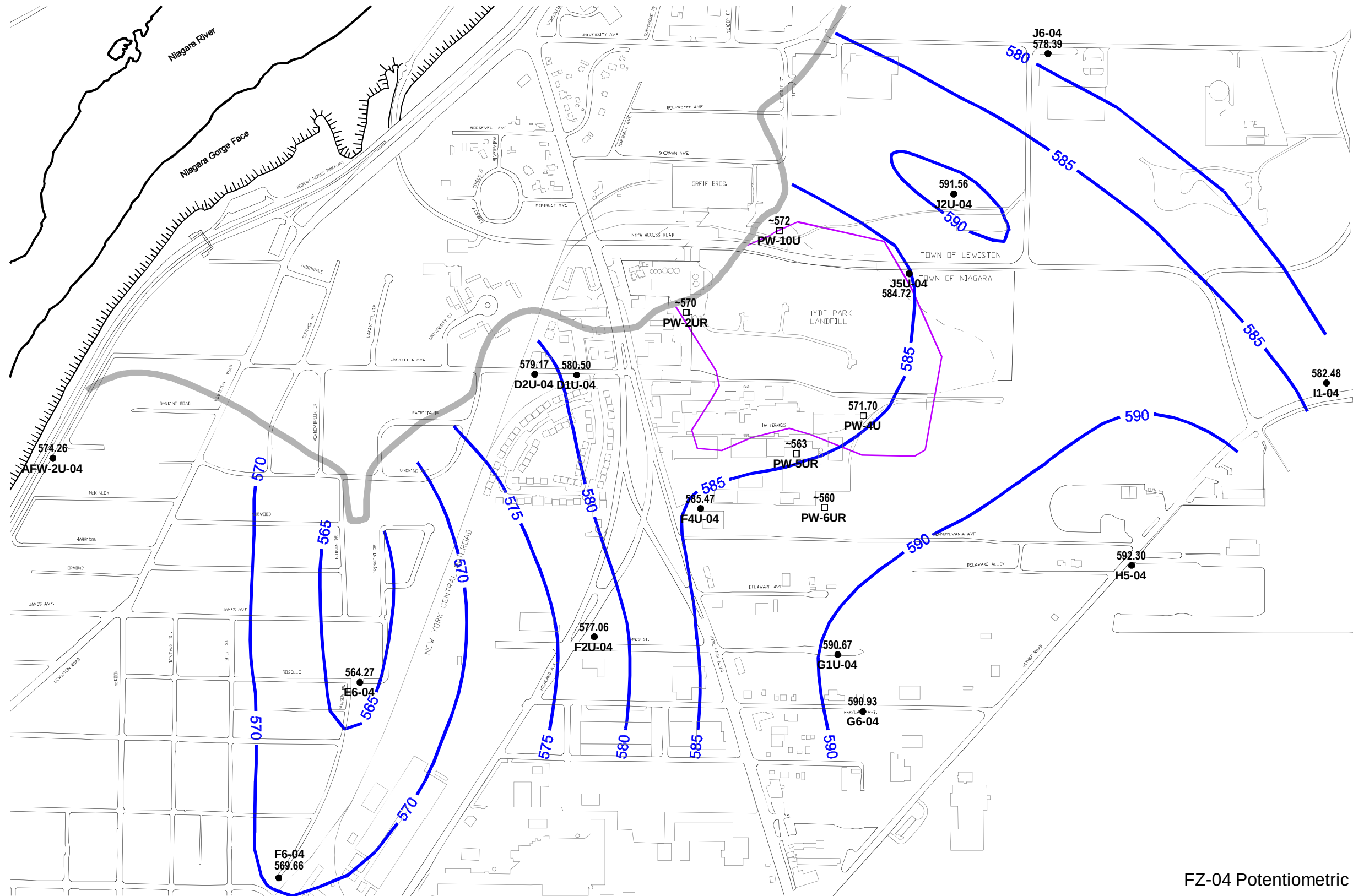


figure 2
FZ-02 Potentiometric Surface December 2014
4th Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



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.

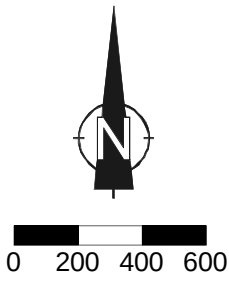
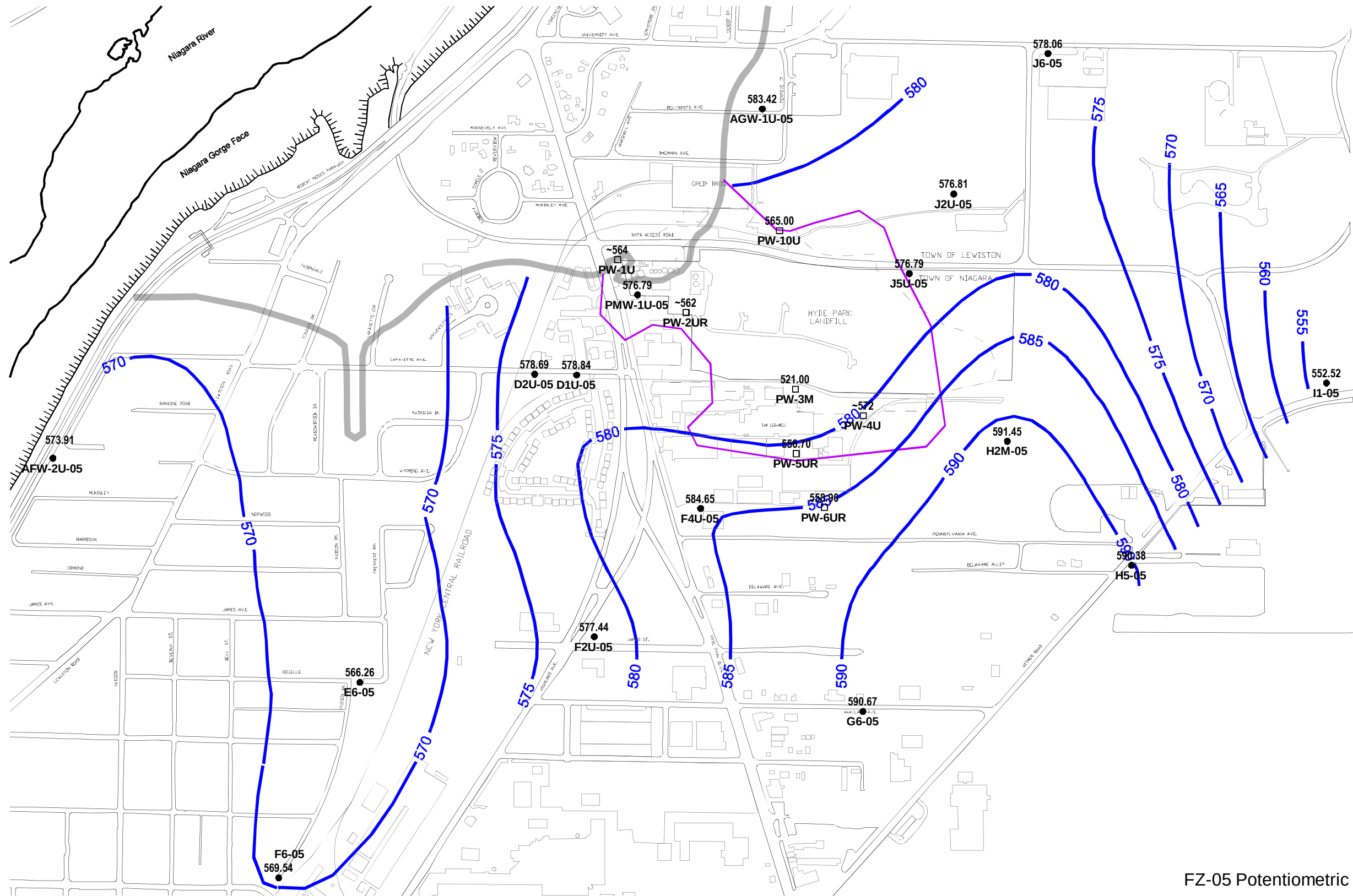


figure 3
FZ-04 Potentiometric Surface December 2014
4th Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



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.

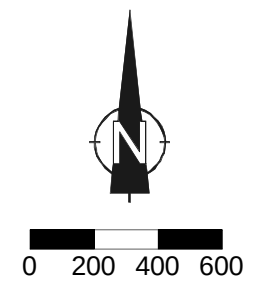
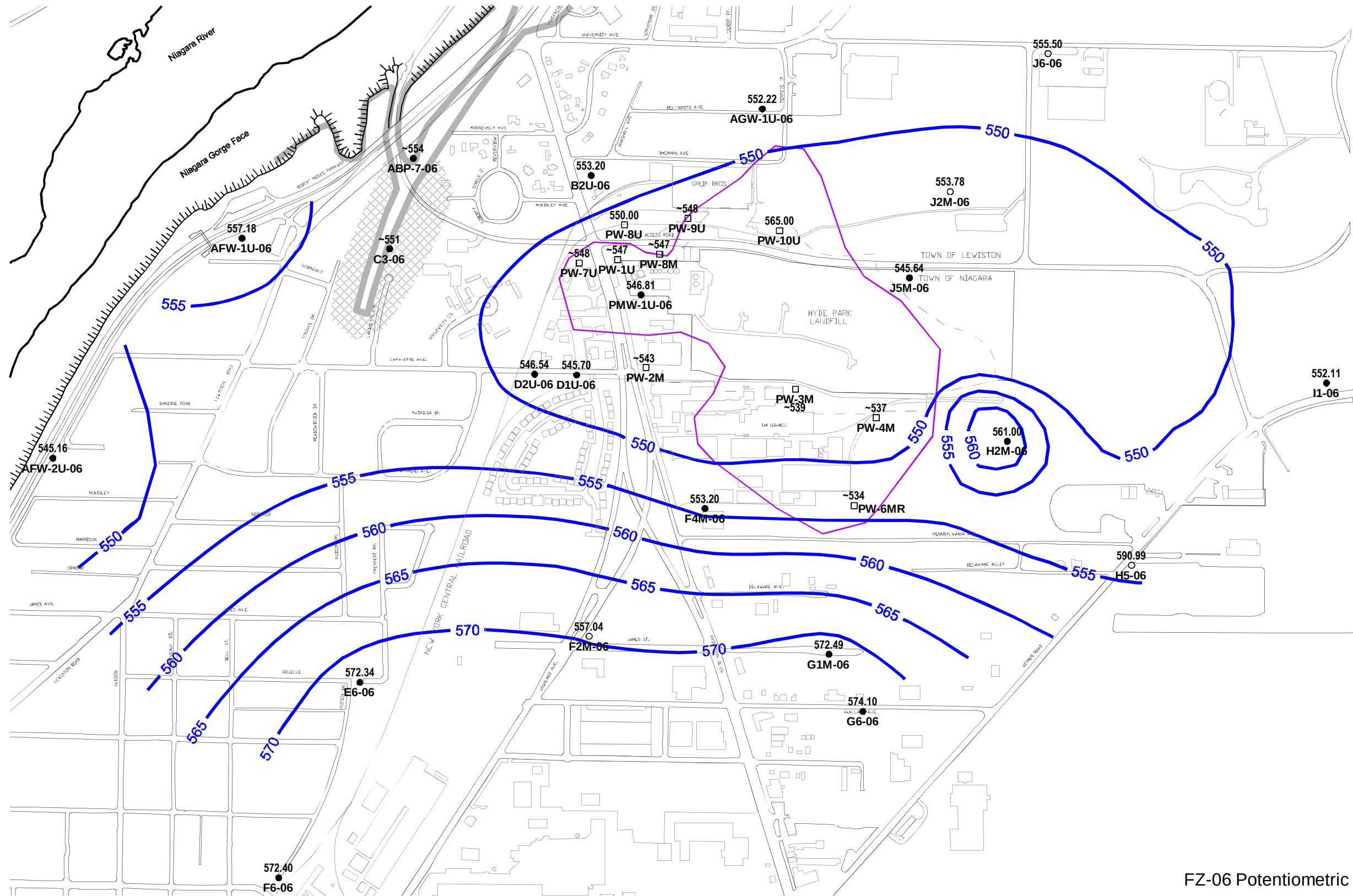


figure 4
 FZ-05 Potentiometric Surface December 2014
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



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.

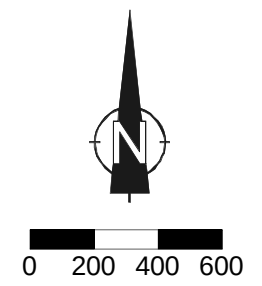
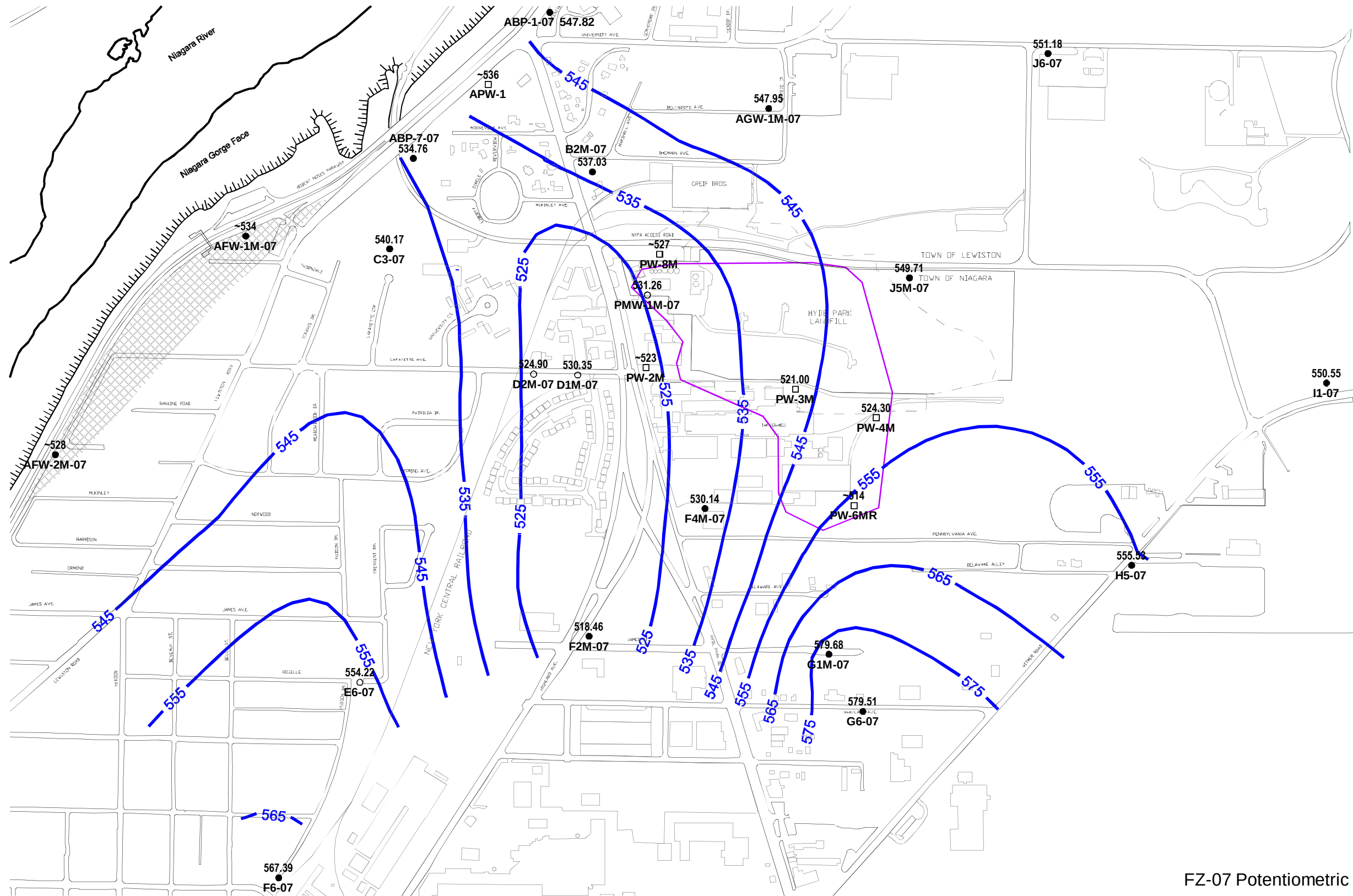


figure 5
 FZ-06 Potentiometric Surface December 2014
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



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.

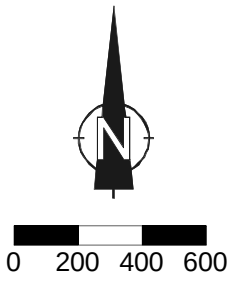
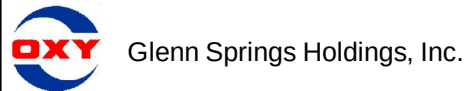


figure 6
FZ-07 Potentiometric Surface December 2014
4th Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



PMW-1M-09 4th Quarter 2014 - Hourly Water Level Elevation

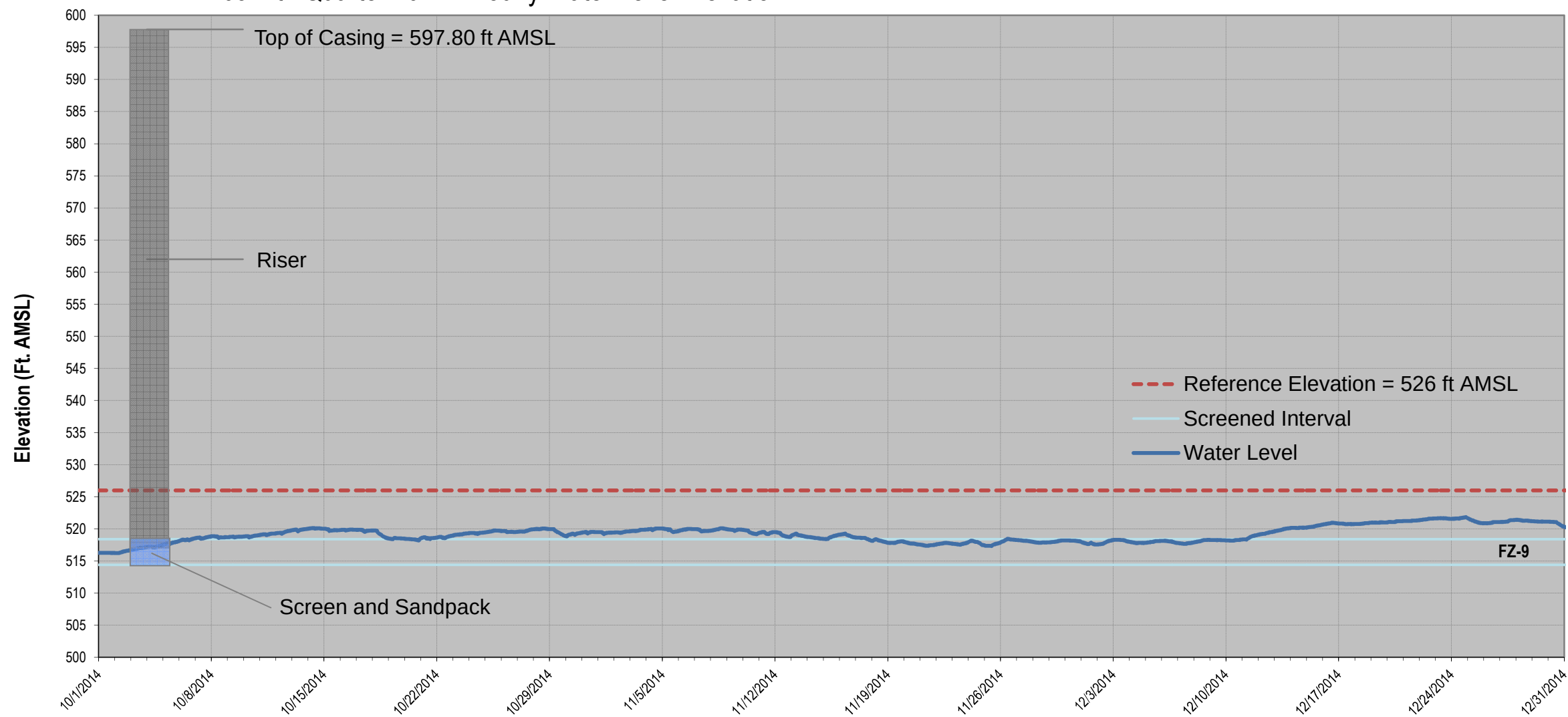


figure 10

**WATER LEVEL ELEVATION SUMMARY
FOURTH 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	6.57	584.22
CMW-3OB	582.13	10.06	572.07
CMW-4OB	574.28	Surcharged	≥ 574.28
CMW-5OB	583.43	0.28	583.15
CMW-6OB	571.89	0.28	571.61
CMW-7OB	611.00	Dry	-
CMW-8OB	616.11	Dry	-
CMW-9OB	571.76	2.44	569.32
CMW-10B	576.80	4.44	572.36
CMW-11OB	572.85	3.61	569.24
CMW-12OB	594.74	21.45	573.29
OMW-1	605.28	5.37	599.91
OMW-2	605.99	3.04	602.95
OMW-3	598.63	12.49	586.14
OMW-4R	601.17	12.65	588.52
OMW-5R	591.31	5.52	585.79
OMW-6	587.62	2.17	585.45
OMW-7	592.74	7.63	585.11
OMW-8R2	594.67	9.21	585.46
OMW-9	595.52	7.86	587.66
OMW-10R	595.13	8.80	586.33
OMW-11R	597.52	5.93	591.59
OMW-12R	597.20	5.31	591.89
OMW-13R	601.50	9.23	592.27
OMW-14R	599.64	6.90	592.74
OMW-15	607.48	6.29	601.19
OMW-16R	607.62	4.11	603.51
SC-2	625.61	28.18	597.43
SC-3	638.72	40.48	598.24
SC-4	639.35	38.57	600.78
SC-5	634.07	> 28.00 ⁽¹⁾	< 606.07
SC-6	631.15	25.75	605.40
Shallow Bedrock			
CMW-1SH	576.11	12.83	563.28
CMW-2SH	590.51	19.22	571.29
CMW-3SH	581.91	33.52	548.39
CMW-4SH	574.16	7.76	566.40
CMW-5SH	583.36	7.32	576.04
CMW-6SH	572.05	10.52	561.53
CMW-7SH	610.58	12.35	598.23
CMW-8SH	615.95	10.25	605.70
CMW-9SH	571.96	12.07	559.89
CMW-11SH	573.21	8.22	564.99
CMW-12SH	597.02	27.88	569.14

**WATER LEVEL ELEVATION SUMMARY
FOURTH 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	18.40	598.68
G6-01	609.24	10.37	598.87
H2U-01	620.92	12.92	608.00
H5-01	617.61	23.75	593.86
I1-01	625.58	28.67	596.91
Flow Zone 2			
F2U-02	599.89	25.11	574.78
F4U-02	602.32	16.59	585.73
G1-02	616.86	25.82	591.04
G6-02	608.65	18.24	590.41
H2U-02	620.88	28.44	592.44
H5-02	617.47	45.65	571.82
I1-02	625.47	41.45	584.02
J2U-02	609.66	15.52	594.14
J5U-02	606.21	12.19	594.02
J6-02	609.23	14.93	594.30
Flow Zone 4			
AFW-2U-04	593.48	19.22	574.26
D1U-04	593.77	13.27	580.50
D2U-04	590.65	11.48	579.17
E6-04	578.23	13.96	564.27
F2U-04	599.76	22.70	577.06
F4U-04	602.19	16.72	585.47
F6-04	588.06	18.40	569.66
G1U-04	616.96	26.29	590.67
G6-04	609.15	18.22	590.93
H5-04	617.40	25.10	592.30
I1-04	625.30	42.82	582.48
J2U-04	609.42	17.86	591.56
J5U-04	606.05	21.33	584.72
J6-04	609.12	30.73	578.39
Flow Zone 5			
AFW-2U-05	593.33	19.42	573.91
AGW-1U-05	591.80	8.38	583.42
D1U-05	593.51	14.67	578.84
D2U-05	590.56	11.87	578.69
E6-05	578.04	11.78	566.26
F2U-05	599.64	22.20	577.44
F4U-05	602.06	17.41	584.65
F6-05	587.85	18.31	569.54
G6-05	609.13	18.46	590.67
H2M-05	621.59	30.14	591.45
H5-05	617.31	26.93	590.38
I1-05	625.25	72.73	552.52
J2U-05	609.30	32.49	576.81
J5U-05	605.87	29.08	576.79
J6-05	609.02	30.96	578.06
PMW-1U-05	598.00	21.21	576.79

**WATER LEVEL ELEVATION SUMMARY
FOURTH 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	14.65	557.18
AFW-2U-06	593.22	48.06	545.16
AGW-1U-06	591.66	39.44	552.22
B2U-06	589.29	36.09	553.20
C3-06	585.78	Dry	-
D1U-06	593.25	47.55	545.70
D2U-06	590.38	43.84	546.54
E6-06	577.99	5.65	572.34
F2M-06	599.06	42.02	557.04
F4M-06	602.05	48.85	553.20
F6-06	587.84	15.44	572.40
G1M-06	616.75	44.26	572.49
G6-06	609.09	34.99	574.10
H2M-06	621.42	60.42	561.00
H5-06	617.17	26.18	590.99
I1-06	625.15	73.04	552.11
J2M-06	608.94	55.16	553.78
J5M-06	606.22	60.58	545.64
J6-06	608.93	53.43	555.50
PMW-1U-06	597.92	51.11	546.81
Flow Zone 7			
ABP-1-07	576.44	28.62	547.82
ABP-7-07	575.73	40.97	534.76
AFW-1M-07	571.41	Dry	-
AFW-2M-07	593.44	66.84	526.60
AGW-1M-07	592.91	44.96	547.95
B2M-07	589.52	52.49	537.03
C3-07	585.62	45.45	540.17
D1M-07	594.15	63.80	530.35
D2M-07	590.77	65.87	524.90
E6-07	577.91	23.69	554.22
F2M-07	598.91	80.45	518.46
F4M-07	601.91	71.77	530.14
F6-07	587.68	20.29	567.39
G1M-07	616.68	37.00	579.68
G6-07	609.06	29.55	579.51
H5-07	617.05	61.52	555.53
I1-07	625.14	74.59	550.55
J5M-07	606.07	56.36	549.71
J6-07	608.85	57.67	551.18
PMW-1M-07	598.50	67.24	531.26

**WATER LEVEL ELEVATION SUMMARY
FOURTH 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	40.98	534.51
ABP-7-09	575.67	41.22	534.45
AFW-1M-09	571.12	46.53	524.59
AFW-2M-09	593.32	72.19	521.13
AGW-1M-09	592.75	43.71	549.04
B2M-09	589.34	68.71	520.63
C3-09	585.00	46.28	538.72
D1M-09	594.02	75.85	518.17
D2M-09	590.66	72.81	517.85
E6-09	577.82	24.77	553.05
F2M-09	598.71	81.22	517.49
F4M-09	601.79	84.41	517.38
F6-09	587.53	13.58	573.95
G1M-09	616.58	38.59	577.99
G6-09	608.98	28.62	580.36
H2M-09	621.32	73.69	547.63
H5-09	616.93	66.74	550.19
I1-09	624.91	62.09	562.82
J2M-09	608.77	57.08	551.69
J5M-09	605.82	55.19	550.63
J6-09	608.76	44.56	564.20
PMW-1M-09	598.34	80.67	517.67
Flow Zone 11			
AFW-1L-11	572.10	65.26	506.84
AFW-2L-11	593.43	98.46	494.97
AGW-1L-11	592.71	14.57	578.14
B2L-11	589.65	91.08	498.57
D1L-11	593.80	90.32	503.48
D2L-11	590.21	72.09	518.12
E6-11	577.72	42.11	535.61
F2L-11	598.94	40.10	558.84
F4L-11	602.22	24.21	578.01
F6-11	587.40	57.38	530.02
G1L-11	616.84	58.72	558.12
G6-11	608.89	48.30	560.59
H2L-11	620.73	60.80	559.93
H5-11	616.81	69.63	547.18
I1-11	624.75	75.32	549.43
J5L-11	607.20	61.44	545.76
J6-11	608.68	23.77	584.91
PMW-1L-11	598.84	87.94	510.90

**WATER LEVEL ELEVATION SUMMARY
FOURTH 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	93.76	499.40
PW-1U	593.16	47.86	545.30
PW-2L	597.29	101.29	496.00
PW-2M	596.61	81.81	514.80
PW-2UR	594.75	35.45	559.30
PW-3L	599.05	97.45	501.60
PW-3M	597.79	76.79	521.00
PW-4M	606.93	82.63	524.30
PW-4U	604.85	33.15	571.70
PW-5UR	601.31	44.61	556.70
PW-6UMR	609.31	102.41	506.90
PW-6UR	608.47	49.57	558.90
PW-7U	592.47	52.67	539.80
PW-8M	592.67	70.67	522.00
PW-8U	589.27	39.27	550.00
PW-9U	587.47	47.97	539.50
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
Surcharged	Well full of water to top of casing
-	Not available/not applicable
(1)	Well obstructed, could not get measurement tape past 28.00 feet

**LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FOURTH 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>	
10/01/14	0.010 U	7.0	87,000	
10/02/14	-	-	0	
10/03/14	-	7.0	68,000	
10/04/14	-	-	0	
10/05/14	-	-	0	
10/06/14	-	7.0	126,000	
10/07/14	-	-	0	
10/08/14	0.014	7.1	122,000	
10/09/14	-	-	0	
10/10/14	-	7.0	87,000	
10/11/14	-	-	0	
10/12/14	-	-	0	
10/13/14	-	7.0	100,000	
10/14/14	-	-	0	
10/15/14	0.010 U	7.0	95,000	
10/16/14	-	-	0	
10/17/14	-	7.1	66,000	
10/18/14	-	-	0	
10/19/14	-	-	0	
10/20/14	-	7.1	125,000	
10/21/14	-	7.1	67,000	
10/22/14	0.0044 J	7.1	79,000	
10/23/14	-	-	0	
10/24/14	-	7.0	98,000	
10/25/14	-	-	0	
10/26/14	-	-	0	
10/27/14	-	7.0	111,000	
10/28/14	-	-	0	
10/29/14	0.0091 J	7.0	61,000	
10/30/14	-	-	0	
10/31/14	-	7.1	120,000	

**LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FOURTH 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>	
11/01/14	-	-	0	
11/02/14	-	-	0	
11/03/14	-	7.0	129,000	
11/04/14	-	-	0	
11/05/14	0.010 U	7.0	70,000	
11/06/14	-	-	0	
11/07/14	-	7.0	65,000	
11/08/14	-	-	0	
11/09/14	-	-	0	
11/10/14	-	7.1	132,000	
11/11/14	-	7.0	112,000	
11/12/14	0.016	7.0	16,000	
11/13/14	-	-	0	
11/14/14	-	7.0	80,000	
11/15/14	-	-	0	
11/16/14	-	-	0	
11/17/14	-	7.0	123,000	
11/18/14	-	7.1	114,000	
11/19/14	-	-	0	
11/20/14	0.0080 J	7.0	130,000	
11/21/14	-	-	0	
11/22/14	-	-	0	
11/23/14	-	-	0	
11/24/14	-	7.0	101,000	
11/25/14	0.010 U	7.0	125,000	
11/26/14	-	7.0	68,000	
11/27/14	-	-	0	
11/28/14	-	-	0	
11/29/14	-	-	0	
11/30/14	-	-	0	

**LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FOURTH 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>	
12/01/14	-	7.1	142,000	
12/02/14	-	7.0	163,000	
12/03/14	0.0056 J	7.0	133,000	
12/04/14	-	7.0	92,000	
12/05/14	-	-	0	
12/06/14	-	-	0	
12/07/14	-	-	0	
12/08/14	-	7.0	131,000	
12/09/14	-	7.0	90,000	
12/10/14	0.028	7.0	93,000	
12/11/14	-	-	0	
12/12/14	-	6.9	89,000	
12/13/14	-	-	0	
12/14/14	-	-	0	
12/15/14	-	7.0	113,000	
12/16/14	-	7.0	122,000	
12/17/14	0.029	7.0	49,000	
12/18/14	-	7.0	234,000	
12/19/14	-	7.0	189,000	
12/20/14	-	-	0	
12/21/14	-	7.0	110,000	
12/22/14	-	7.0	171,000	
12/23/14	0.026	7.1	111,000	
12/24/14	-	7.1	64,000	
12/25/14	-	-	0	
12/26/14	-	-	0	
12/27/14	-	7.1	97,000	
12/28/14	-	7.1	127,000	
12/29/14	-	7.0	110,000	
12/30/14	0.020	7.0	101,000	
12/31/14	-	7.1	61,000	

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
FOURTH QUARTER - 2014
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<u>10/01/14</u>	<u>10/08/14</u>	<u>10/15/14</u>	<u>10/22/14</u>	<u>10/29/14</u>	<u>11/05/14</u>	<u>11/12/14</u>	<u>11/20/14</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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 U
Carbon disulfide	µg/L	0.28 J	1.0 U	0.65 J	1.0 U	0.37 J	0.52 J	0.44 J	10 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	10 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	10 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	10 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	10 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U
cis-1,2-Dichloroethene	µg/L	0.53 J	0.56 J	0.59 J	0.51 J	0.69 J	0.64 J	0.56 J	10 U
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	10 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	10 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	10 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 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	10 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	0.29 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 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	10 U
Vinyl chloride	µg/L	180	240	250	280	320	310	260	280
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	30 U

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

Effluent

<i>Parameter</i>	<i>Units</i>	<u>11/25/14</u>	<u>12/03/14</u>	<u>12/10/14</u>	<u>12/17/14</u>	<u>12/23/14</u>	<u>12/31/14</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
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichlorobenzene	µg/L	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
1,2-Dichloropropane	µg/L	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
1,4-Dichlorobenzene	µg/L	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
3-Chlorotoluene	µg/L	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
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	0.47 J	0.44 J	0.45 J	0.52 J	0.36 J	0.41 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
Dichlorodifluoromethane (CFC-12)	µg/L	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
Methylene chloride	µg/L	1.0 U	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
o-Monochlorobenzotrifluoride	µg/L	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
Styrene	µg/L	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
Toluene	µg/L	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
trans-1,3-Dichloropropene	µg/L	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
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J
Vinyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	260	340	260	230	240	270
Xylenes (total)	µg/L	3.0 U	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
FOURTH QUARTER - 2014
HYDE PARK RRT PROGRAM**

<i>Sample Location:</i>		<i>EFFLUENT</i>	<i>EFFLUENT</i>
<i>Sample ID:</i>		<i>HP92914 EFF A B C D</i>	<i>HP93014 EFF</i>
<i>Sample Date:</i>		<i>12/10/2014</i>	<i>12/10/2014</i>
<i>Parameters</i>	<i>Units</i>		
<i>Volatile Organic Compounds</i>			
Vinyl chloride	µg/L	280	-
<i>General Chemistry</i>			
Phosphorus	mg/L	-	0.24

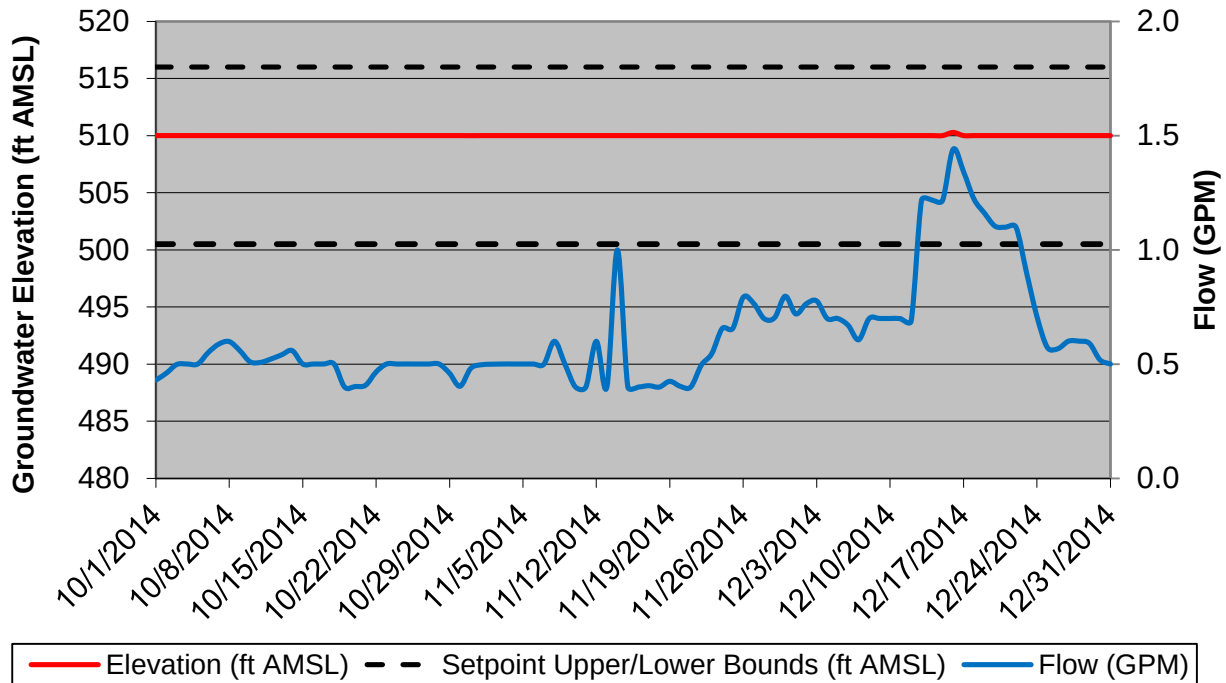
Notes:

- Not analyzed

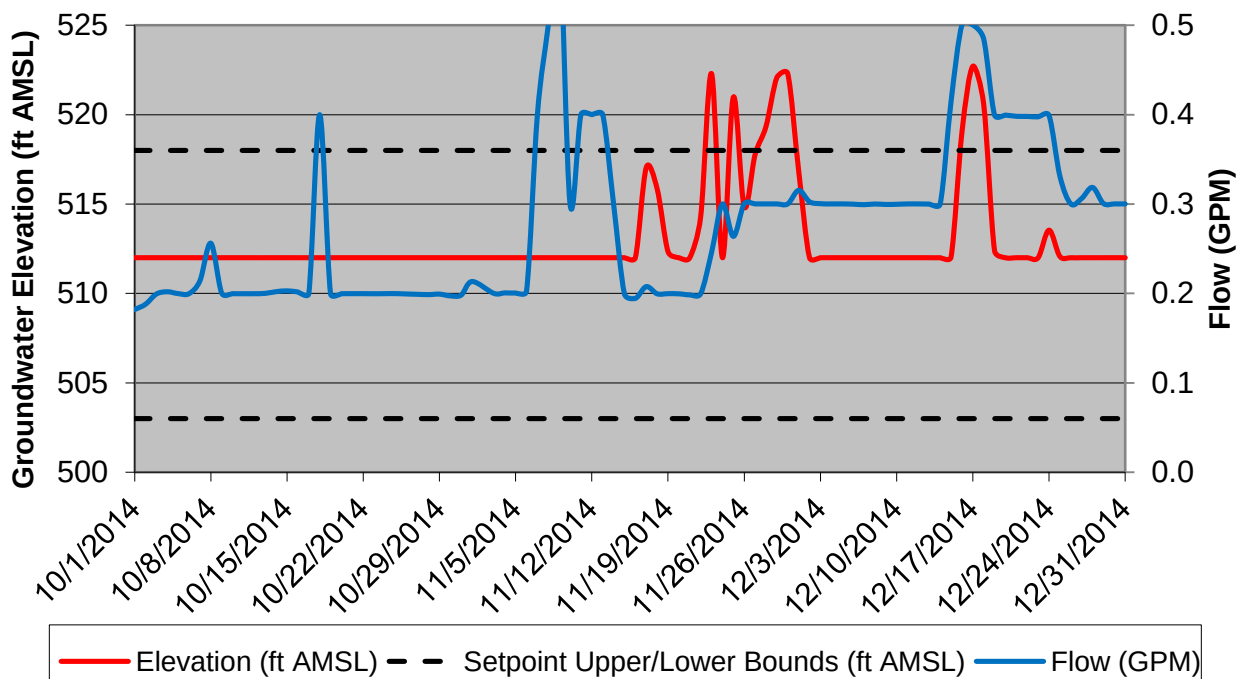
Attachment A

FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well APW-1

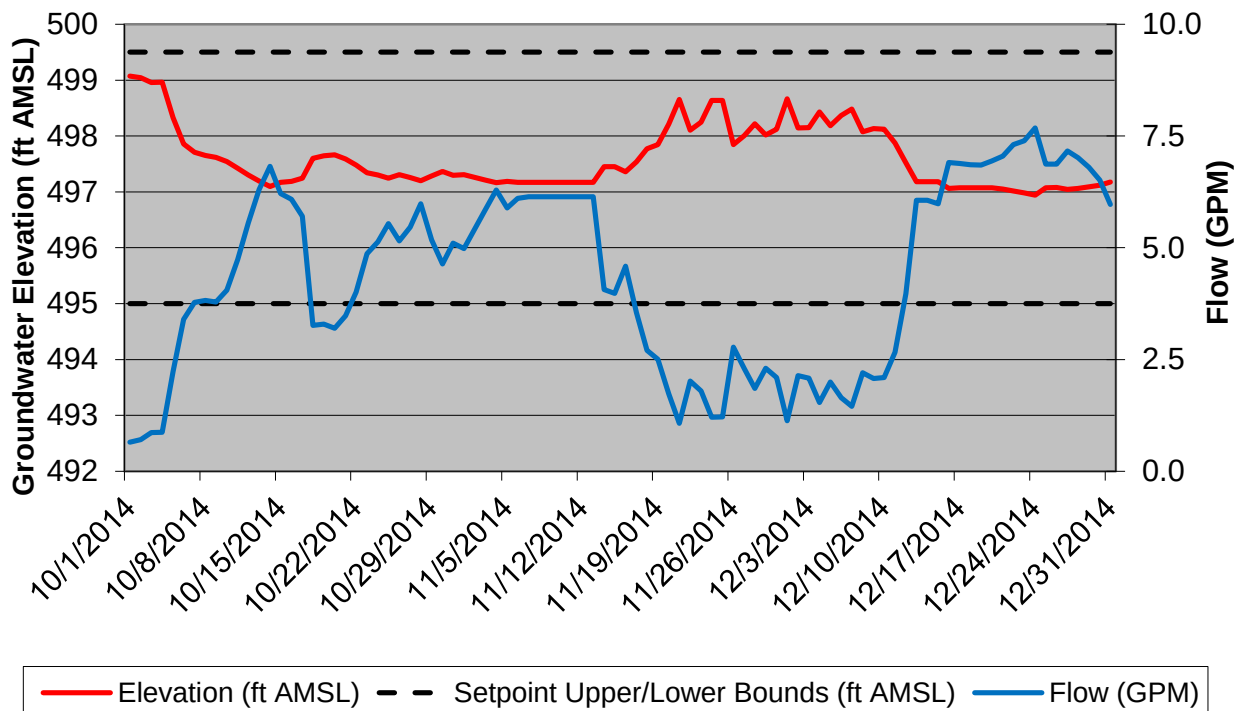


Well APW-2

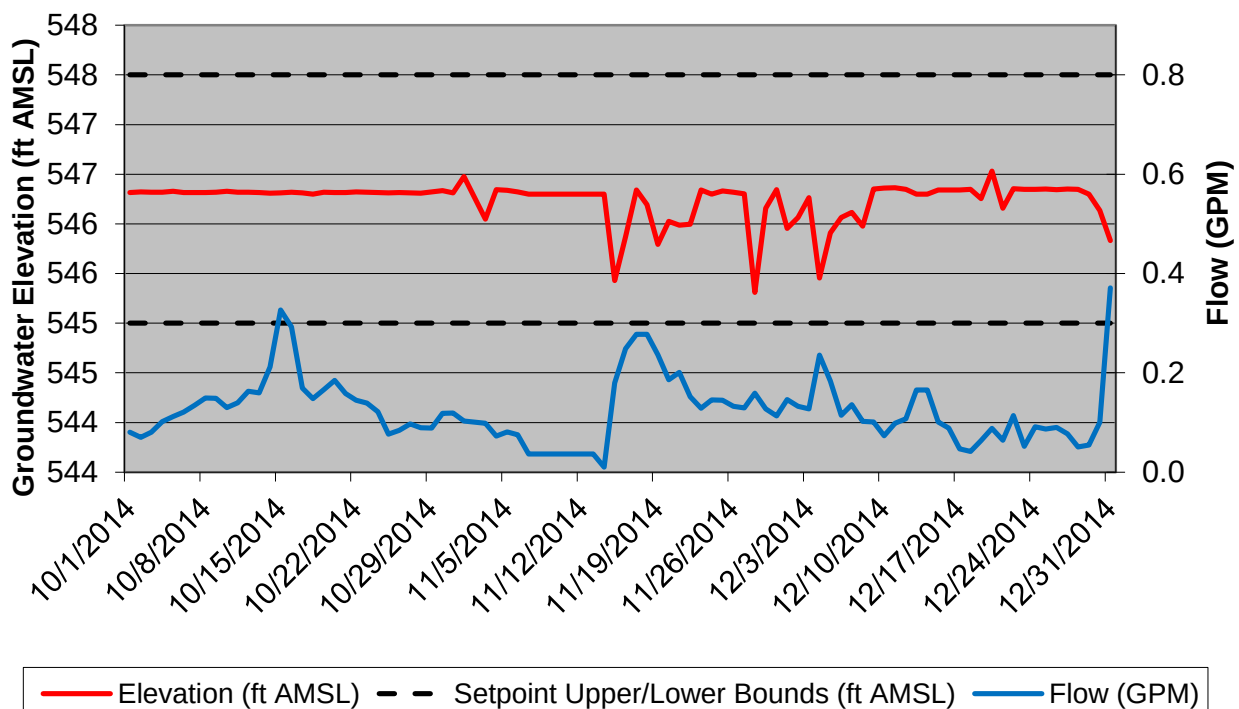


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-1L

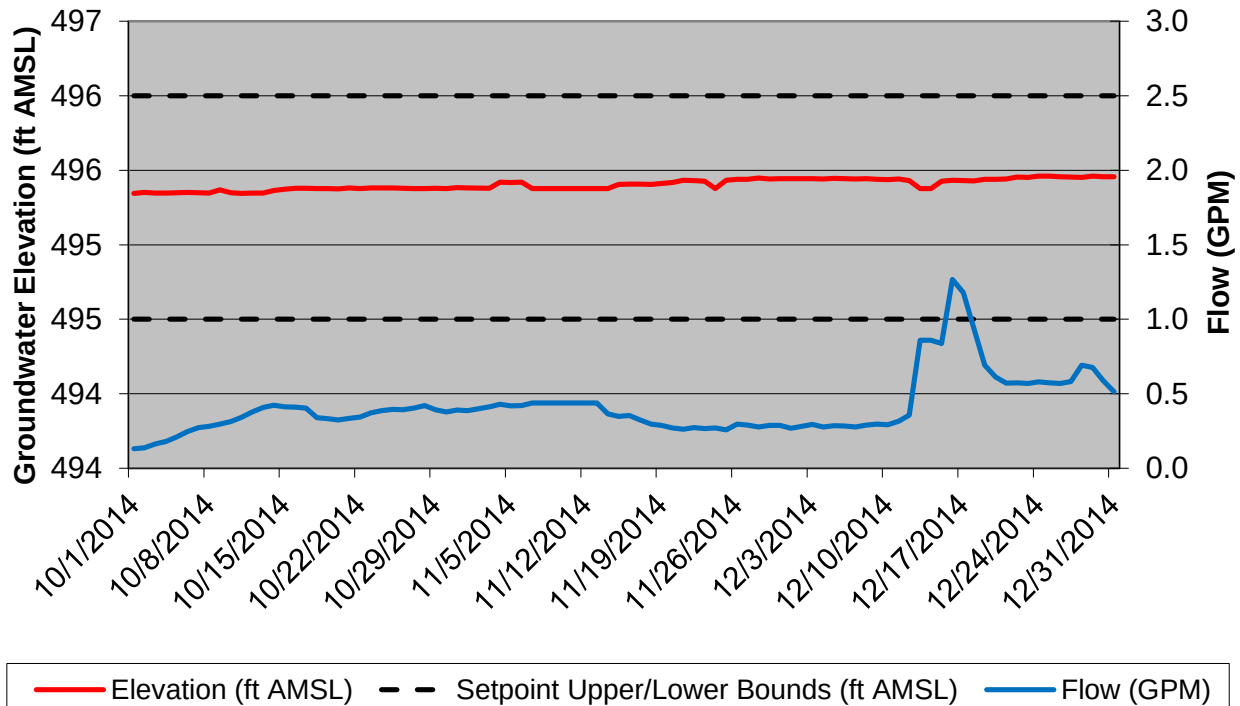


Well PW-1U

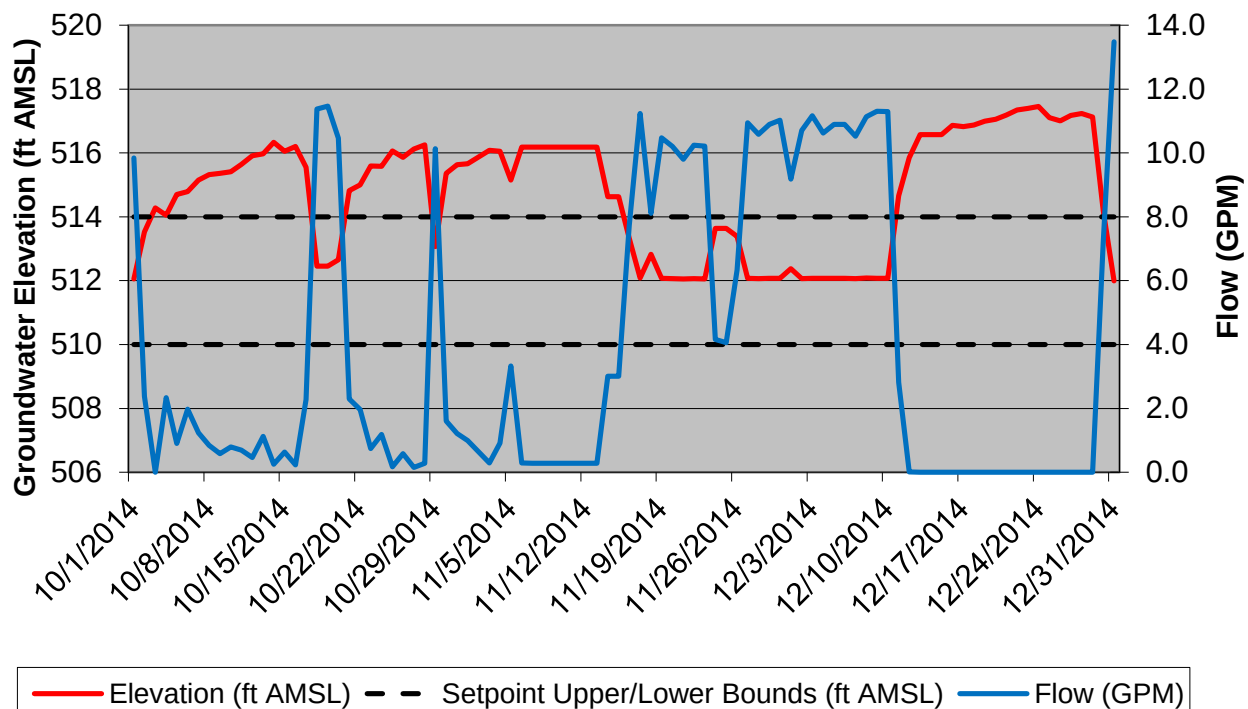


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-2L

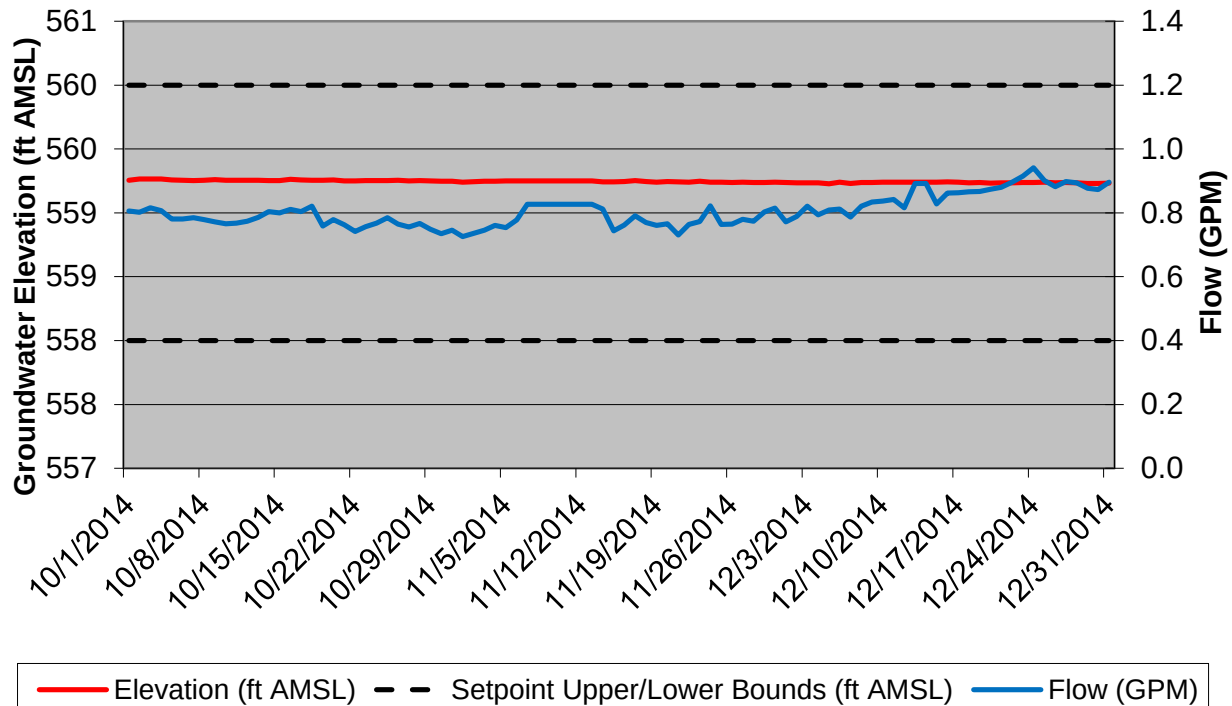


Well PW-2M

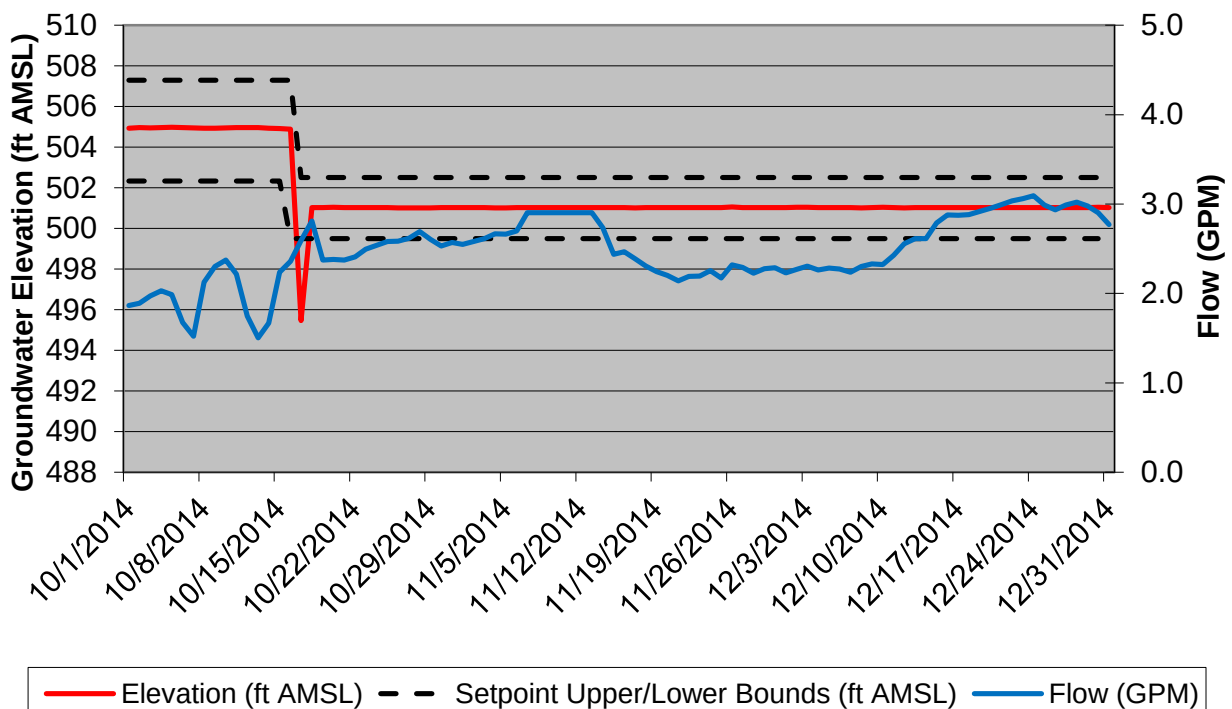


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-2UR

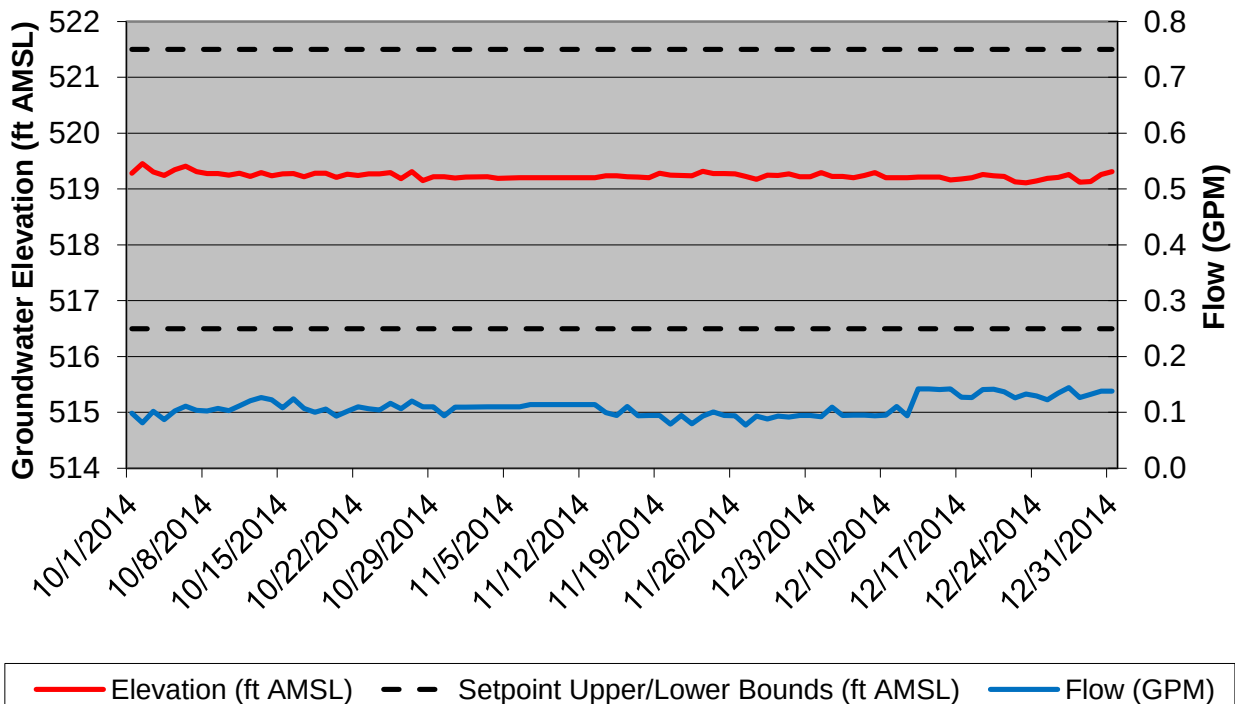


Well PW-3L

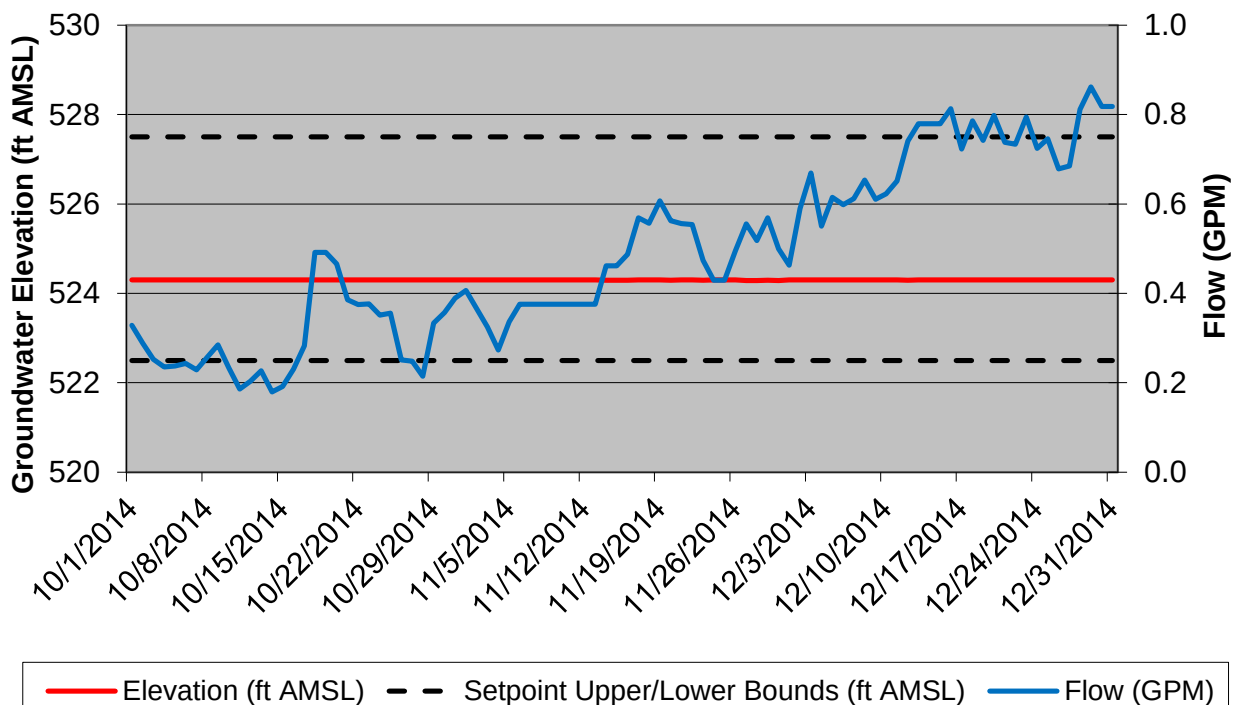


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-3M

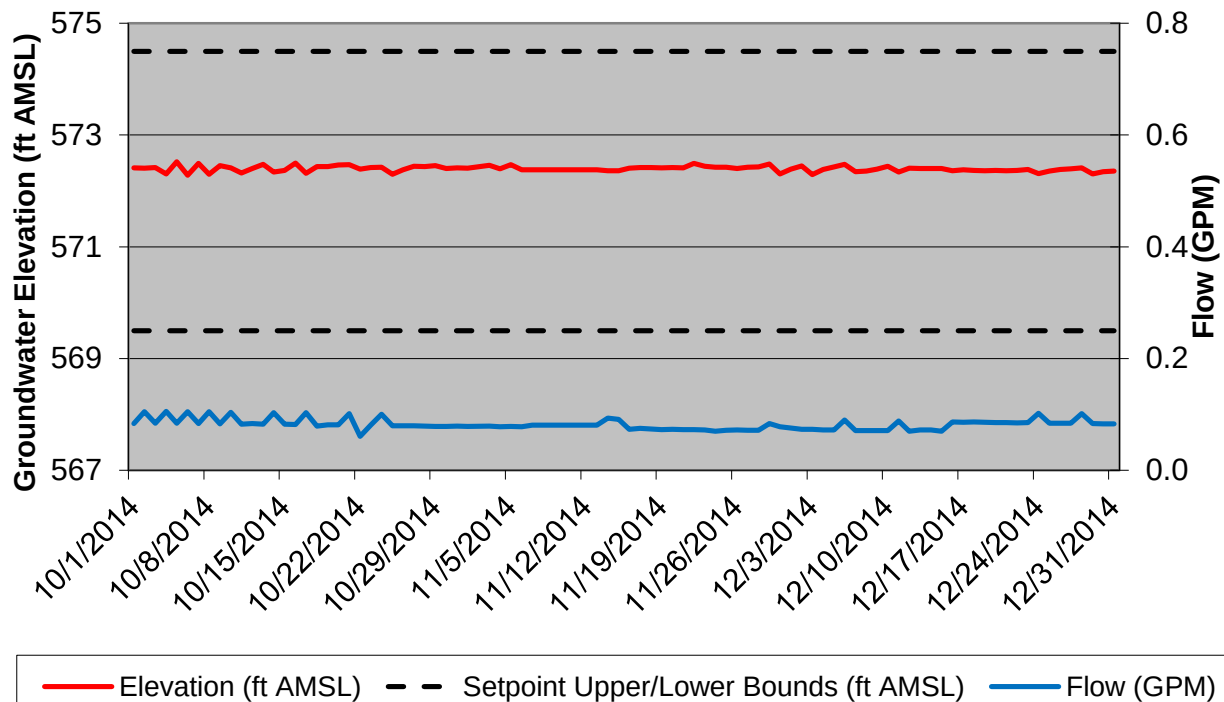


Well PW-4M

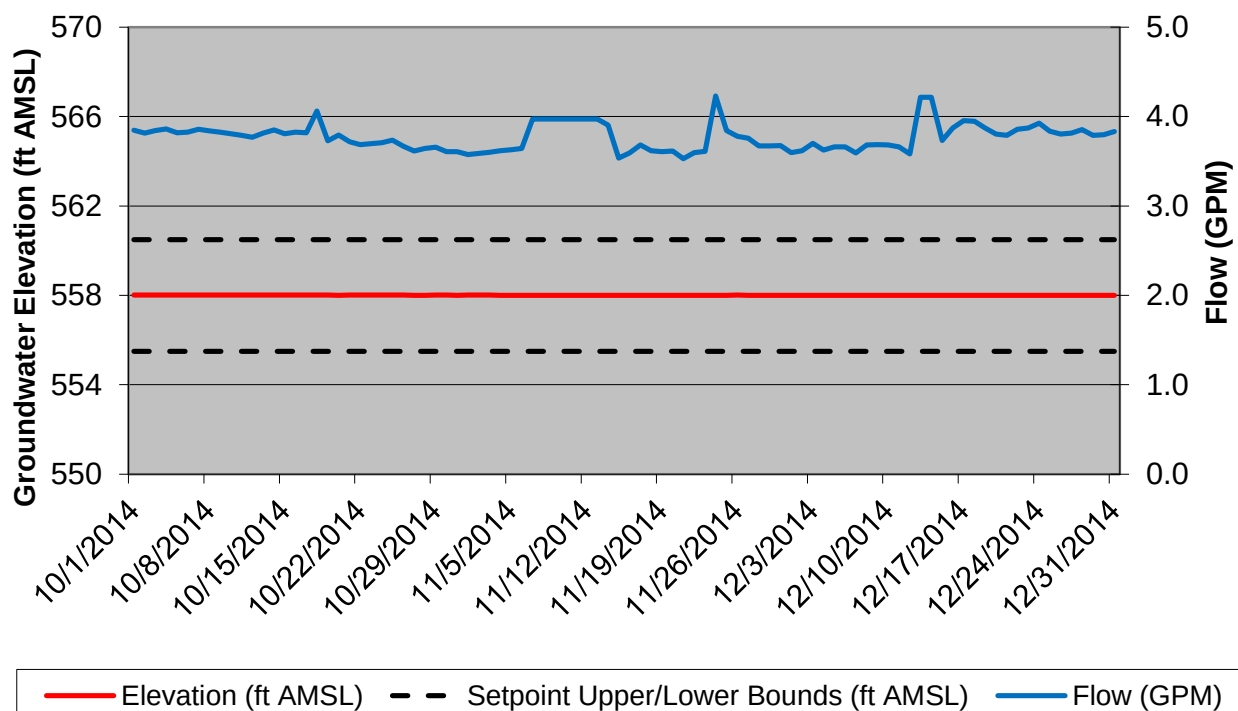


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-4U

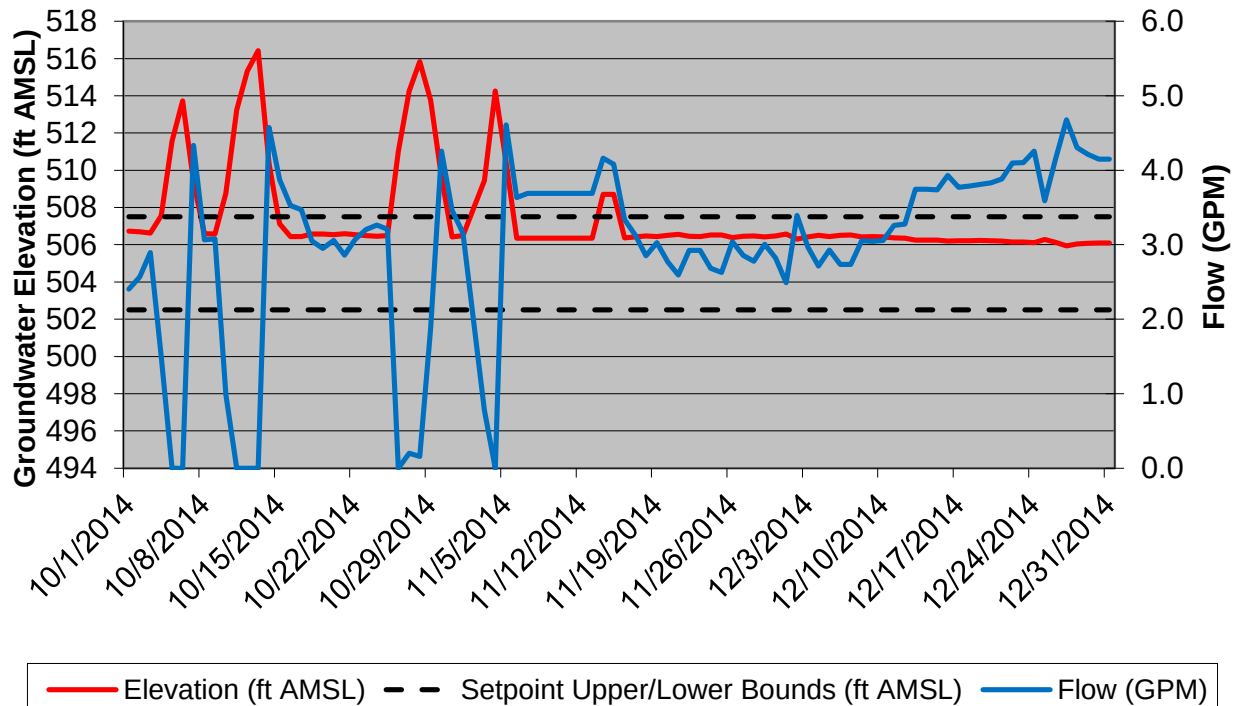


Well PW-5UR

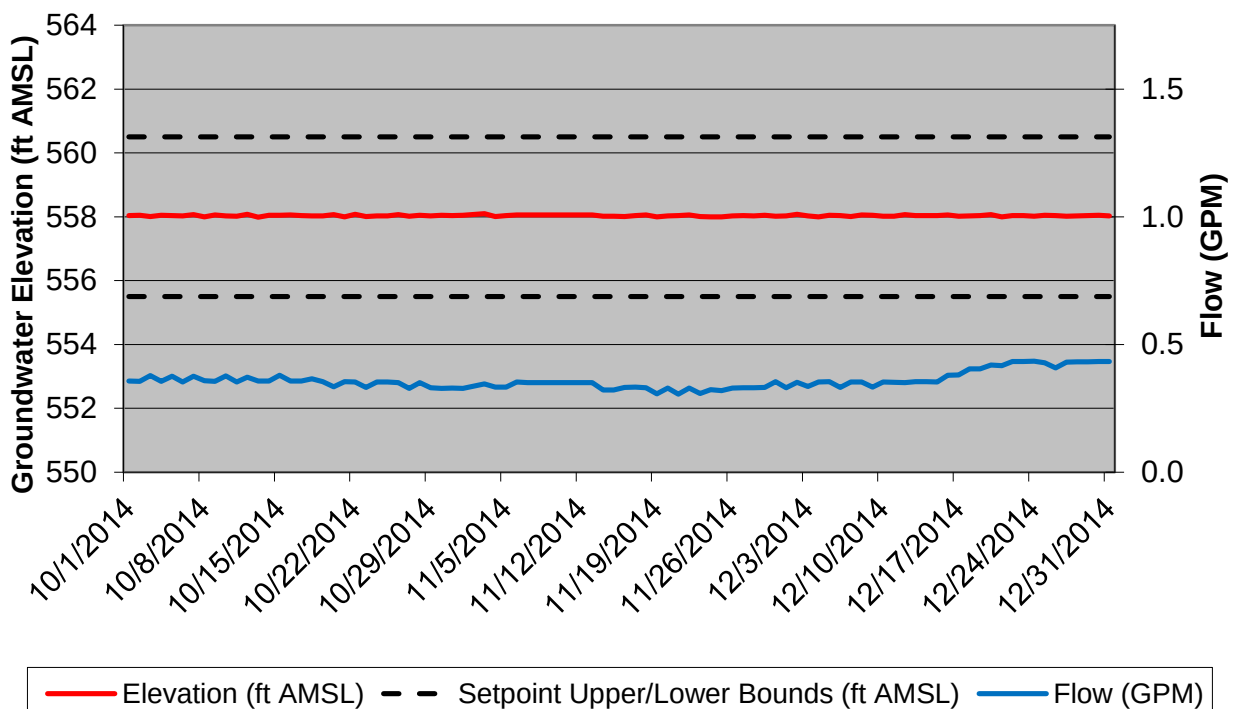


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-6MR

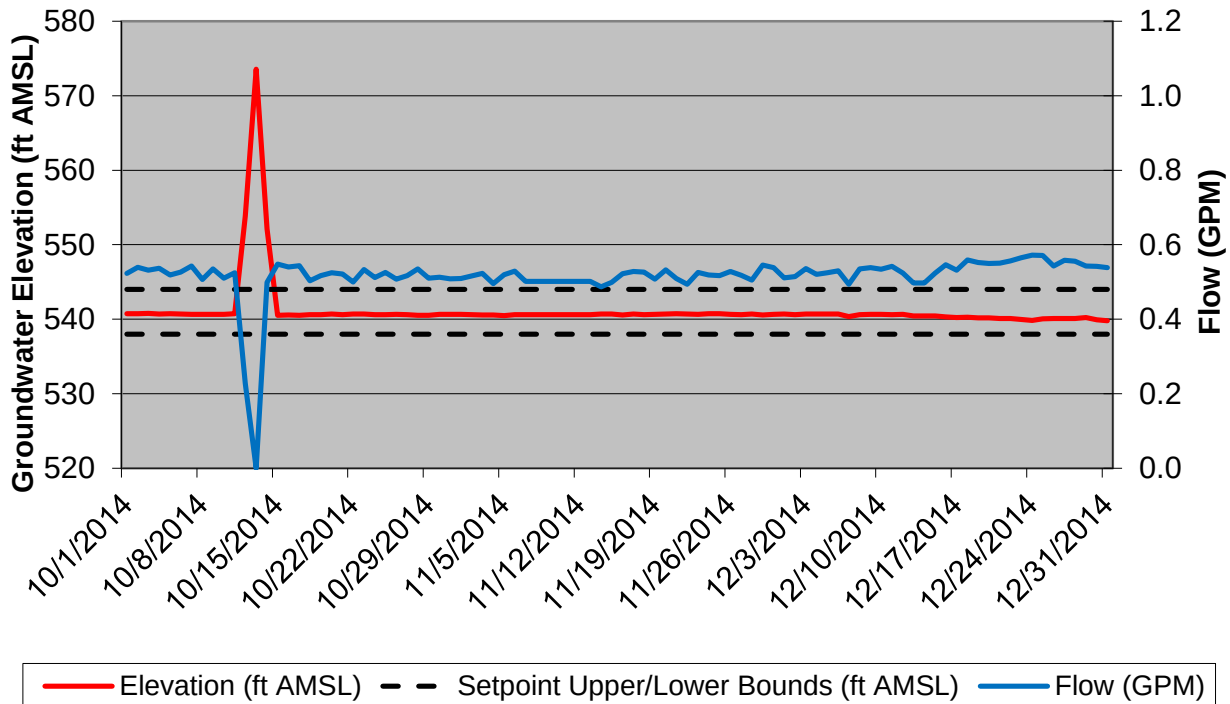


Well PW-6UR

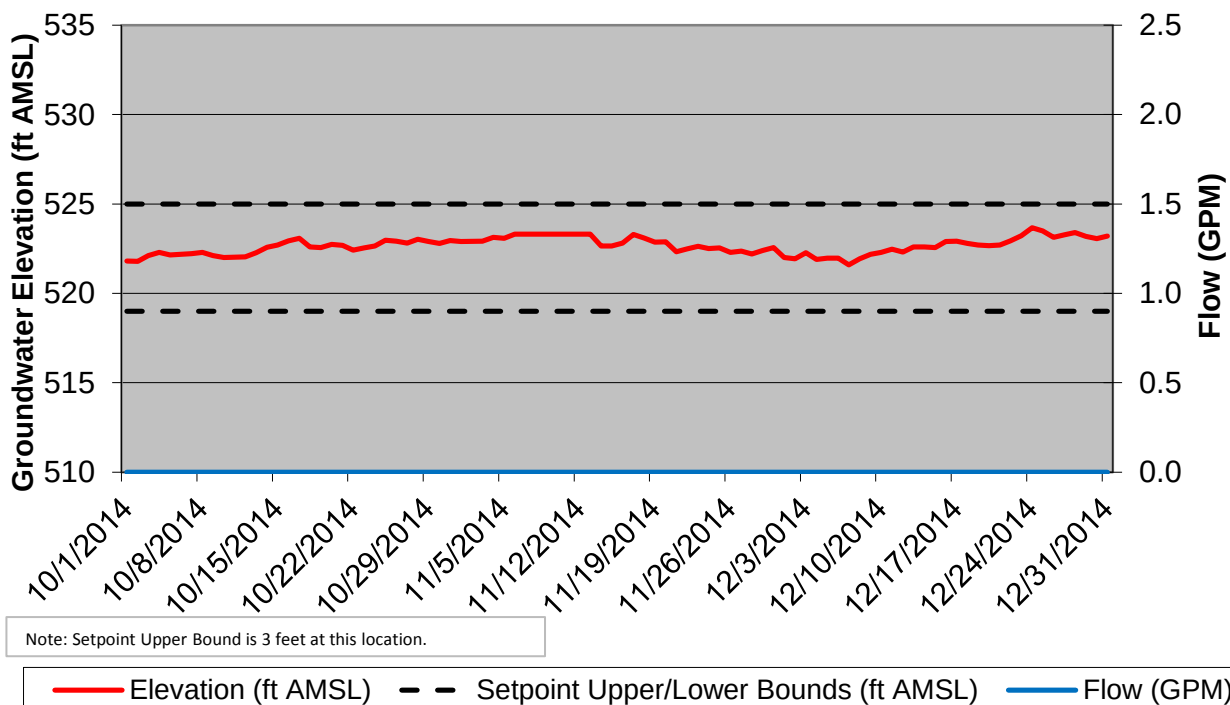


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-7U

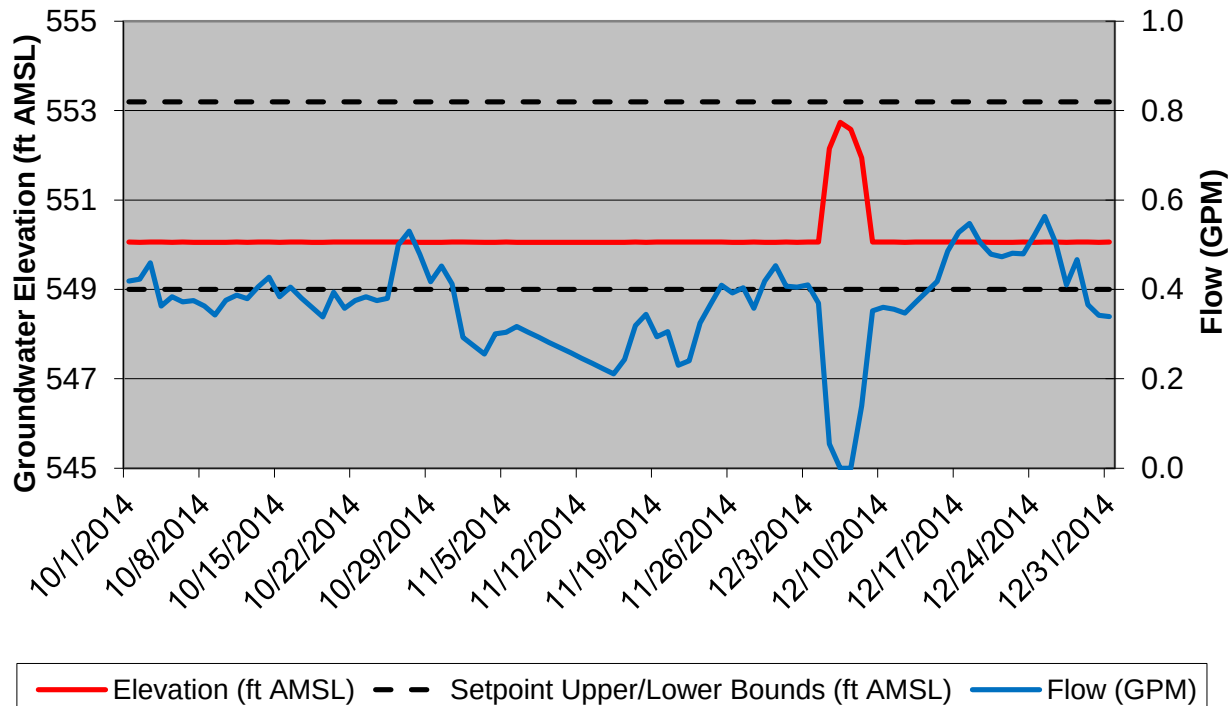


Well PW-8M

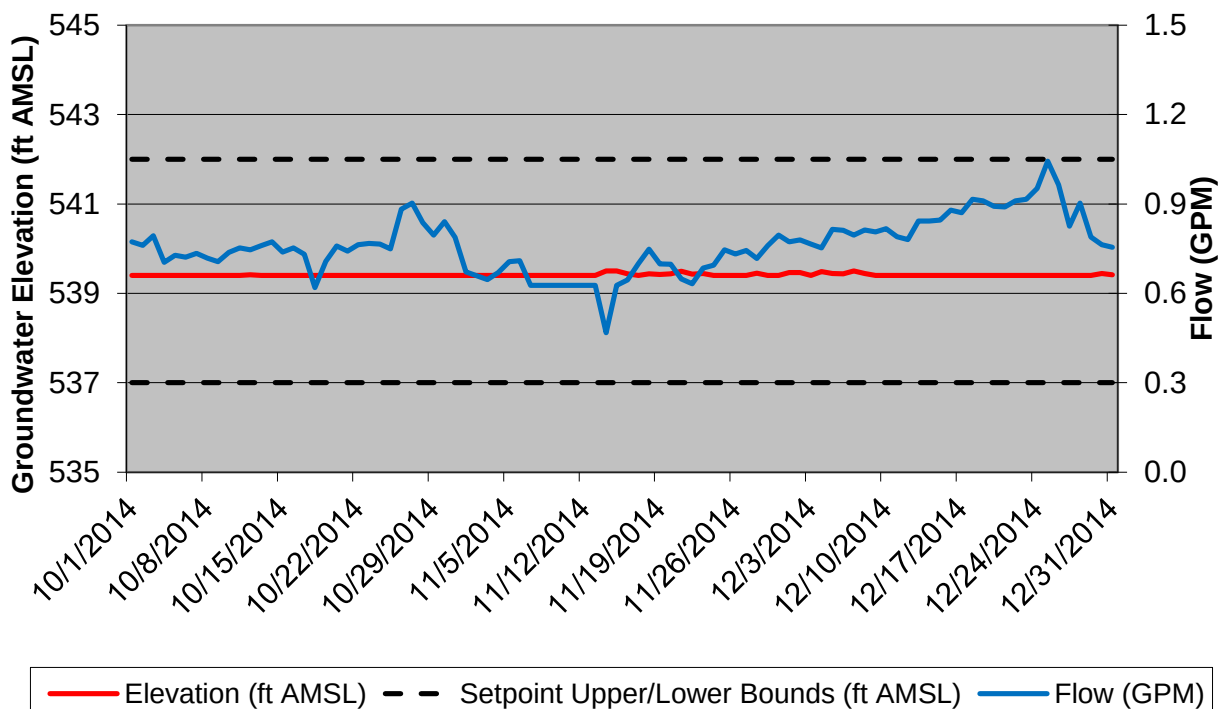


FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-8U



Well PW-9U



FOURTH QUARTER 2014 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

