

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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Enclosure 2

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #56 dated June 1, 2012

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

601 Heritage Drive, Suite 110
Jupiter, Florida 33458
Phone: 561-891-0763
Fax: 561-623-5469

June 1, 2012

MHCDEP-12-0225

Mr. Joseph May, P.G.
Florida Department of Environmental Protection
400 N. Congress Ave, Suite 200
West Palm Beach, FL 33401

**RE: Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well
Project; Permit #0293962-001-UC
Weekly Construction Summary #56**

Dear Mr. May:

This is the fifty-sixth weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, May 24, 2012 and ended at 7:00 AM, Thursday, May 31, 2012. There were no construction activities at the site this reporting period, therefore, the drilling contractor did not prepare daily reports for this reporting period. Consultant daily reports were prepared for this reporting period. Copies of the consultant daily construction logs are attached.

During the previous reporting period the drilling contractor performed geophysical logging, performed an off-bottom single packer test over the interval from 1,860 to 1,905 feet below pad level (bpl), and performed a straddle packer test over the interval from 1,288 to 1,317 feet bpl. There were no activities at EW-1 during the previous reporting period.

There were no drilling activities during this reporting period. The drilling contractor awaited selection of recommended monitoring zones for DZMW-1. There were no activities at EW-1 during this reporting period.

There was no casing installation, cementing, well development or construction related issues at EW-1 and DZMW-1 during this reporting period.

During the next reporting period, it is anticipated that the drilling contractor will backplug the DZMW-1 pilot hole with gravel (through proposed monitor zones) and cement between the proposed monitor zones and above the upper monitor zone. They will then begin reaming the backplugged hole. In addition, sampling of the pad monitor wells around EW-1 and DZMW-1 began on April 21, 2011 and March 20, 2012, respectively, and has been taking place on a weekly basis since the initial samplings. The EW-1 pad monitor wells were most recently sampled on May 31, 2012. The DZMW-1 pad monitor wells were most

recently sampled on June 1, 2012. The most recent set of EW-1 pad monitoring well sample results available are for samples collected on May 24, 2012. The most recent set of DZMW-1 pad monitoring well sample results available are for samples collected on May 25, 2012. Copies of the EW-1 and DZMW-1 pad monitor well water quality data summary sheets are attached.

Should you have any questions regarding the above weekly construction summary, please contact David McNabb at (561) 891-0763.

Sincerely,

McNabb Hydrogeologic Consulting, Inc.

David McNabb, P.G.

Attachments: Consultant Daily Construction Log
EW-1 Pad Monitor Well Water Quality Data Summary Sheets
DZMW-1 Pad Monitor Well Water Quality Data Summary Sheets

Cc: George Heuler/FDEP-Tallahassee
Emily Richardson/SFWMD
Matthew Raffenberg/FPL
David Holtz/HCE

Joe Haberland/FDEP-Tallahassee
Ron Reese/USGS
David Paul/FGS



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 24, 2012	FDEP UIC Permit #: 0293962-001-UC
Project: FPL Turkey Point EW	Well No.: DZMW-1 and EW-1
Contractor: Layne Christensen Company	Bit Diameter: NA
Starting Depth: 1,905 feet bpl	Ending Depth: 1,905 feet bpl
Weather Day: NA	Recorded By: David McNabb
Weather Night: NA	
Activity: Safety Meetings – No Construction Activity	

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 25, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: Safety Meetings – No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 26, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 27, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 28, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 29, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 30, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



**EW-1 Pad Monitoring Well Water Quality Data
Northeast Pad Monitoring Well
(NE-EW PMW)**

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1108	10.49	-1.61	78,700	32,200	57,000	29.8	Background Sampling
4/29/2011	1157	10.68	-1.80	80,400	29,900	53,800	30.4	
5/5/2011	1157	11.40	-2.52	81,400	27,500	52,350	31.2	
5/11/2011	1309	11.00	-2.12	76,800	31,600	51,200	29.7	
5/19/2011	0958	10.48	-1.60	72,600	35,600	51,200	29.5	
5/26/2011	1050	10.76	-1.88	71,360	29,500	52,900	29.7	
6/2/2011	1134	10.78	-1.90	71,700	29,000	55,700	29.6	
6/9/2011	1128	10.61	-1.73	69,700	32,300	50,650	29.3	
6/16/2011	0958	10.35	-1.47	69,300	33,000	53,450	29.5	
6/23/2011	1028	10.41	-1.53	69,400	30,600	55,600	29.5	
6/30/2011	0928	10.15	-1.27	70,300	27,600	51,950	29.2	
7/8/2011	1210	9.00	-0.12	72,570	30,100	54,150	29.9	
7/14/2011	1338	9.75	-0.87	76,400	27,200	54,550	29.9	
7/21/2011	1039	9.35	-0.47	72,200	32,600	49,760	29.7	
7/28/2011	1119	9.51	-0.63	71,600	30,200	54,250	29.7	
8/4/2011	1249	9.70	-0.82	64,400	31,500	53,850	27.5	
8/11/2011	1059	9.25	-0.37	73,900	29,500	57,150	29.6	
8/18/2011	1039	9.45	-0.57	71,900	29,400	54,850	30.0	
8/25/2011	1039	9.45	-0.57	69,800	31,300	55,550	29.7	
9/1/2011	1109	9.15	-0.27	71,700	29,500	56,300	29.9	
9/8/2011	1049	9.15	-0.27	70,700	31,400	49,800	30.3	
9/16/2011	1233	9.30	-0.42	5320*	1260*	2668*	27.8	
9/23/2011	1129	9.10	-0.22	72,900	31,200	52,750	30.1	
9/29/2011	1330	9.16	-0.28	11,500*	3,200*	7,010*	27.8	
10/6/2011	1119	9.30	-0.42	72,600	30,000	56,200	30.1	
10/13/2011	1058	10.15	-1.27	75,200	32,500	51,600	30.1	
10/20/2011	1049	8.40	0.48	68,400	29,100	57,450	29.9	
10/27/2011	1109	8.95	-0.07	80,200	27,700	54,950	30.0	
11/3/2011	1049	8.91	-0.03	80,200	31,100	55,700	29.9	
11/10/2011	0958	9.67	-0.79	75,500	28,700	59,600	30.0	
11/17/2011	1058	10.81	-1.93	68,400	34,900	57,500	30.1	
11/25/2011	0939	9.51	-0.63	69,300	26,500	52,750	30.0	
12/1/2011	1138	9.67	-0.79	66,000	29,800	55,200	29.8	
12/8/2011	1058	10.31	-1.43	63,800	30,100	57,050	27.5	
12/15/2011	1109	9.61	-0.73	75,400	28,300	53,700	30.0	
12/22/2011	1038	9.67	-0.79	69,300	29,500	51,800	30.7	
12/29/2011	0918	9.87	-0.99	76,900	30,800	51,300	29.7	
1/5/2012	1118	10.41	-1.53	70,400	28,100	52,200	29.5	
1/12/2012	1058	10.21	-1.33	75,200	28,200	50,900	29.9	
1/19/2012	0958	10.30	-1.42	75,200	27,700	49,300	29.8	
1/26/2012	1048	10.22	-1.34	72,300	29,400	55,300	30.0	
2/2/2012	1048	10.21	-1.33	71,300	28,400	50,700	29.9	
2/10/2012	1029	9.15	-0.27	71,400	30,400	52,400	30.0	
2/16/2012	1219	9.47	-0.59	72,300	27,000	53,300	29.9	
2/23/2012	1049	9.57	-0.69	72,300	29,600	55,100	30.1	
3/1/2012	1038	9.74	-0.86	72,300	31,500	50,100	30.0	
3/8/2012	1058	9.76	-0.88	72,200	31,600	53,100	29.3	
3/16/2012	1038	9.65	-0.77	72,100	34,900	53,100	29.9	
3/22/2012	1108	9.90	-1.02	72,400	30,800	48,700	29.8	
3/29/2012	0911	9.87	-0.99	72,500	29,100	48,600	29.2	
4/5/2012	1208	10.25	-1.37	71,600	29,200	50,800	30.0	
4/12/2012	1118	10.15	-1.27	71,500	32,000	52,700	30.1	
4/19/2012	1143	9.85	-0.97	72,000	34,000	54,500	30.3	
4/26/2012	1009	9.50	-0.62	72,100	36,000	54,200	29.7	
5/3/2012	1144	8.85	0.03	72,400	36,500	50,900	29.6	
5/10/2012	1109	9.42	-0.54	72,800	32,000	51,700	29.7	
5/17/2012	0959	9.05	-0.17	73,200	29,500	53,200	29.7	
5/24/2012	1229	8.65	0.23	72,200	28,900	51,900	29.6	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius

*Results appear to be anomalous and are suspected to be related to a sampling error. Countermeasures to prevent reoccurrence have been implemented.

Note: TOC elevation is: 8.88 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



**EW-1 Pad Monitoring Well Water Quality Data
Southeast Pad Monitoring Well
(SE-EW PMW)**

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1311	10.10	-1.51	81,600	30,200	57,800	29.9	Background Sampling
4/29/2011	1349	10.40	-1.81	86,700	33,100	55,000	30.4	
5/5/2011	1008	11.10	-2.51	83,000	29,500	54,700	29.9	
5/11/2011	1228	10.65	-2.06	78,200	30,100	52,600	30.1	
5/19/2011	1039	10.12	-1.53	75,200	30,000	51,100	29.8	
5/26/2011	1235	10.47	-1.88	73,890	31,200	53,800	29.9	
6/2/2011	1056	10.50	-1.91	74,200	29,400	57,400	29.6	
6/9/2011	1210	10.32	-1.73	72,200	32,100	51,000	29.6	
6/16/2011	1035	10.00	-1.41	71,300	32,200	54,000	29.8	
6/23/2011	1109	10.10	-1.51	71,900	31,600	55,650	29.8	
6/30/2011	1009	9.85	-1.26	72,800	27,600	53,050	29.5	
7/8/2011	1138	9.12	-0.53	73,150	29,800	54,450	29.9	
7/14/2011	1414	9.48	-0.89	79,700	29,000	55,350	29.8	
7/21/2011	1119	9.36	-0.77	74,100	34,000	54,100	30.0	
7/28/2011	1229	9.55	-0.96	74,300	30,200	56,300	29.8	
8/4/2011	1224	9.50	-0.91	72,700	31,500	53,000	27.7	
8/11/2011	1209	9.37	-0.78	77,400	30,000	56,800	29.7	
8/18/2011	1149	9.45	-0.86	74,100	30,100	55,500	30.0	
8/25/2011	1149	9.38	-0.79	73,300	31,200	57,450	29.6	
9/1/2011	1224	9.10	-0.51	72,700	30,700	57,300	29.8	
9/8/2011	1159	9.21	-0.62	73,200	32,200	51,800	30.1	
9/16/2011	1303	9.40	-0.81	70,280	29,600	50,550	27.7	
9/23/2011	1239	9.20	-0.61	75,200	29,000	55,550	29.8	
9/29/2011	1300	9.10	-0.51	68,500	30,700	53,600	27.4	
10/6/2011	1229	9.25	-0.66	79,100	31,300	54,050	30.0	
10/13/2011	1209	9.95	-1.36	76,900	30,200	52,250	30.1	
10/20/2011	1200	8.60	-0.01	69,900	28,000	57,150	29.8	
10/27/2011	1218	8.81	-0.22	82,400	28,000	56,500	30.0	
11/3/2011	1159	9.56	-0.97	82,900	31,000	56,400	30.1	
11/10/2011	1109	9.96	-1.37	78,300	27,900	60,500	30.1	
11/17/2011	1208	10.90	-2.31	69,700	34,000	57,800	30.2	
11/25/2011	1049	9.36	-0.77	69,900	26,900	53,600	30.0	
12/1/2011	1248	10.85	-2.26	71,800	33,900	57,000	30.2	
12/8/2011	1209	9.87	-1.28	68,900	29,500	61,500	27.0	
12/15/2011	1219	9.53	-0.94	76,600	28,000	55,100	30.1	
12/22/2011	1149	9.65	-1.06	72,300	29,000	52,400	30.0	
12/29/2011	1029	9.96	-1.37	77,600	29,800	52,200	30.1	
1/5/2012	1229	10.31	-1.72	72,800	27,700	53,400	30.1	
1/12/2012	1204	10.10	-1.51	76,000	30,800	52,900	30.1	
1/19/2012	1139	10.38	-1.79	76,500	28,100	50,800	30.0	
1/26/2012	1229	10.18	-1.59	73,200	29,900	56,300	30.1	
2/2/2012	1229	10.23	-1.64	72,400	27,900	52,000	30.1	
2/10/2012	1209	9.21	-0.62	72,000	29,800	55,400	30.2	
2/16/2012	1359	9.45	-0.86	72,700	27,700	57,200	30.2	
2/23/2012	1229	9.48	-0.89	72,800	32,100	57,000	30.2	
3/1/2012	1219	9.61	-1.02	72,800	31,000	51,700	30.2	
3/8/2012	1244	9.81	-1.22	72,500	32,500	52,500	29.9	
3/16/2012	1219	9.61	-1.02	72,900	34,300	53,100	30.3	
3/22/2012	1249	9.87	-1.28	72,600	31,000	51,100	30.2	
3/29/2012	1054	9.97	-1.38	72,900	29,500	51,200	29.9	
4/5/2012	1341	10.05	-1.46	72,300	29,500	52,200	30.2	
4/12/2012	1259	9.98	-1.39	72,200	31,200	53,800	30.5	
4/19/2012	1244	9.90	-1.31	71,800	33,500	54,500	30.4	
4/26/2012	1144	9.61	-1.02	72,200	35,500	54,500	30.0	
5/3/2012	1249	8.97	-0.38	73,100	37,400	51,700	30.2	
5/10/2012	1242	9.32	-0.73	73,300	32,100	53,100	30.2	
5/17/2012	1134	9.10	-0.51	73,300	27,700	54,100	30.1	
5/24/2012	1404	8.75	-0.16	73,400	30,600	54,100	30.3	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.59 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



**EW-1 Pad Monitoring Well Water Quality Data
Northwest Pad Monitoring Well
(NW-EW PMW)**

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1221	10.50	-1.66	84,300	33,500	59,900	30.8	Background Sampling
4/29/2011	1120	10.65	-1.81	86,300	33,700	56,400	30.0	
5/5/2011	1051	11.40	-2.56	87,400	31,300	57,650	31.1	
5/11/2011	1034	12.40	-3.56	79,100	33,500	55,650	30.4	
5/19/2011	1113	13.90	-5.06	80,000	36,000	53,700	30.4	
5/26/2011	1125	10.73	-1.89	75,130	32,300	55,450	30.4	
6/2/2011	1215	10.75	-1.91	75,900	30,700	59,500	30.3	
6/9/2011	1248	10.60	-1.76	72,500	32,200	51,950	29.9	
6/16/2011	1118	10.25	-1.41	72,500	31,500	54,550	30.0	
6/23/2011	1143	10.37	-1.53	73,300	31,600	57,750	30.3	
6/30/2011	1049	10.10	-1.26	75,700	27,400	54,300	30.0	
7/8/2011	1112	9.38	-0.54	74,100	30,700	53,950	30.3	
7/14/2011	1524	9.75	-0.91	79,900	27,600	56,350	30.3	
7/21/2011	1226	9.60	-0.76	76,200	32,600	54,500	29.7	
7/28/2011	1154	9.80	-0.96	74,900	32,200	57,050	30.5	
8/4/2011	1317	9.85	-1.01	78,000	30,500	59,300	28.7	
8/11/2011	1134	9.61	-0.77	77,600	31,100	58,150	30.4	
8/18/2011	1114	9.68	-0.84	73,100	30,000	55,350	30.6	
8/25/2011	1114	9.61	-0.77	72,300	31,800	56,950	30.0	
9/1/2011	1149	9.33	-0.49	71,900	29,300	56,000	30.4	
9/8/2011	1124	9.45	-0.61	73,800	30,100	52,300	30.5	
9/16/2011	1203	9.60	-0.76	67,200	23,400	51,650	28.2	
9/23/2011	1204	9.43	-0.59	73,800	30,800	54,450	30.4	
9/29/2011	1205	9.35	-0.51	68,700	27,500	50,800	27.6	
10/6/2011	1154	9.50	-0.66	78,400	30,000	56,550	30.2	
10/13/2011	1133	10.21	-1.37	75,800	29,300	50,500	30.2	
10/20/2011	1124	8.81	0.03	70,200	27,500	56,850	30.1	
10/27/2011	1143	10.39	-1.55	81,500	28,800	54,600	30.2	
11/3/2011	1123	10.50	-1.66	80,500	30,400	55,900	30.1	
11/10/2011	1033	10.37	-1.53	77,800	27,800	58,700	30.1	
11/17/2011	1133	10.71	-1.87	67,900	30,500	57,000	30.3	
11/25/2011	1014	9.58	-0.74	71,700	27,400	53,300	30.2	
12/1/2011	1214	9.80	-0.96	68,500	33,500	53,650	30.1	
12/8/2011	1133	10.37	-1.53	68,700	27,600	57,850	27.7	
12/15/2011	1144	9.75	-0.91	75,500	28,200	52,000	30.0	
12/22/2011	1114	9.87	-1.03	70,600	27,700	52,100	29.9	
12/29/2011	0954	9.97	-1.13	77,700	29,500	51,600	29.9	
1/5/2012	1153	10.52	-1.68	71,800	28,000	52,800	29.6	
1/12/2012	1133	10.35	-1.51	75,400	30,400	51,900	30.0	
1/19/2012	1033	10.42	-1.58	75,600	29,800	50,200	29.9	
1/26/2012	1123	10.35	-1.51	73,200	29,500	56,000	29.9	
2/2/2012	1123	10.35	-1.51	71,100	27,400	51,200	29.9	
2/10/2012	1104	9.38	-0.54	70,300	28,800	54,900	29.8	
2/16/2012	1254	9.67	-0.83	71,100	27,800	55,200	29.8	
2/23/2012	1124	9.67	-0.83	72,100	30,700	56,200	29.8	
3/1/2012	1114	9.91	-1.07	71,500	31,000	51,200	29.7	
3/8/2012	1139	9.62	-0.78	71,600	30,500	52,800	29.4	
3/16/2012	1114	9.85	-1.01	71,500	34,100	52,400	29.7	
3/22/2012	1144	10.10	-1.26	71,400	30,200	48,700	29.6	
3/29/2012	0949	9.93	-1.09	71,500	28,400	51,200	29.6	
4/5/2012	1241	10.09	-1.25	71,300	28,900	51,100	29.7	
4/12/2012	1154	10.00	-1.16	71,300	29,300	52,600	29.9	
4/19/2012	1109	9.97	-1.13	71,400	31,500	53,300	30.2	
4/26/2012	1042	9.68	-0.84	71,700	31,300	53,000	29.6	
5/3/2012	1109	9.00	-0.16	72,200	34,200	49,500	29.5	
5/10/2012	1142	9.35	-0.51	72,500	31,400	52,000	29.5	
5/17/2012	1032	9.10	-0.26	72,700	30,200	52,300	29.6	
5/24/2012	1302	8.75	0.09	72,600	30,300	52,800	29.5	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.84 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



**EW-1 Pad Monitoring Well Water Quality Data
Southwest Pad Monitoring Well
(SW-EW PMW)**

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1414	10.50	-1.62	72,500	26,400	51,500	30.6	Background Sampling
4/29/2011	1025	10.60	-1.72	77,400	28,300	51,600	29.8	
5/5/2011	0930	11.85	-2.97	75,200	29,000	49,400	28.7	
5/11/2011	1124	16.40	-7.52	78,100	28,300	51,050	31.6	
5/19/2011	1202	15.95	-7.07	73,100	29,700	48,450	32.6	
5/26/2011	1155	11.20	-2.32	66,630	27,800	48,350	29.4	
6/2/2011	1035	11.25	-2.37	68,500	26,000	52,600	29.4	
6/9/2011	1319	11.05	-2.17	65,400	26,300	44,150	29.5	
6/16/2011	1154	10.75	-1.87	64,900	27,000	48,450	29.5	
6/23/2011	1214	10.85	-1.97	65,500	30,400	50,800	29.6	
6/30/2011	1119	10.60	-1.72	68,500	24,300	46,650	29.4	
7/8/2011	1045	9.85	-0.97	64,950	25,600	47,650	29.6	
7/14/2011	1445	10.22	-1.34	69,900	24,800	48,300	29.6	
7/21/2011	1154	10.10	-1.22	67,800	27,400	47,900	29.6	
7/28/2011	1259	10.26	-1.38	67,000	26,600	48,650	27.7	
8/4/2011	1157	10.30	-1.42	68,420	25,600	51,350	27.5	
8/11/2011	1243	9.21	-0.33	67,800	26,400	51,150	29.7	
8/18/2011	1219	10.15	-1.27	66,300	25,400	47,500	29.8	
8/25/2011	1219	10.31	-1.43	66,000	26,900	50,150	29.4	
9/1/2011	1254	9.87	-0.99	65,400	25,700	49,450	29.8	
9/8/2011	1229	9.97	-1.09	66,800	26,300	46,500	29.9	
9/16/2011	1329	10.10	-1.22	64,000	25,700	46,800	28.0	
9/23/2011	1309	9.95	-1.07	66,200	25,800	47,500	29.6	
9/29/2011	1230	9.80	-0.92	64,100	25,400	46,150	27.7	
10/6/2011	1259	9.97	-1.09	76,200	25,800	45,800	29.7	
10/13/2011	1239	10.67	-1.79	69,100	26,100	46,700	29.8	
10/20/2011	1229	9.31	-0.43	64,700	23,800	51,100	29.6	
10/27/2011	1249	10.87	-1.99	75,600	26,500	50,000	29.7	
11/3/2011	1229	10.93	-2.05	75,600	27,700	49,750	29.7	
11/10/2011	1139	10.91	-2.03	73,500	25,500	53,300	29.7	
11/17/2011	1238	11.41	-2.53	63,800	26,900	50,400	29.7	
11/25/2011	1119	10.05	-1.17	65,800	24,900	48,950	29.7	
12/1/2011	1323	11.42	-2.54	65,900	29,600	51,100	29.6	
12/8/2011	1239	10.98	-2.10	64,900	24,800	52,450	27.3	
12/15/2011	1247	10.27	-1.39	70,100	24,800	49,700	29.4	
12/22/2011	1219	10.27	-1.39	66,800	24,900	45,600	29.7	
12/29/2011	1059	10.67	-1.79	71,100	26,400	46,300	29.5	
1/5/2012	1259	11.03	-2.15	64,800	24,900	47,600	29.3	
1/12/2012	1234	10.87	-1.99	69,000	25,700	47,000	29.6	
1/19/2012	1104	11.00	-2.12	69,100	24,900	44,200	29.4	
1/26/2012	1154	10.85	-1.97	67,500	25,900	50,100	29.4	
2/2/2012	1154	10.97	-2.09	65,300	25,200	46,200	29.5	
2/10/2012	1134	9.91	-1.03	65,300	25,400	48,900	29.6	
2/16/2012	1324	10.15	-1.27	64,600	24,100	50,500	29.4	
2/23/2012	1154	10.24	-1.36	65,300	24,100	50,500	29.5	
3/1/2012	1144	10.27	-1.39	65,300	26,900	45,900	29.4	
3/8/2012	1209	10.31	-1.43	65,300	27,400	47,700	30.0	
3/16/2012	1144	10.35	-1.47	65,300	29,800	47,200	29.3	
3/22/2012	1214	10.61	-1.73	65,500	27,100	44,600	29.3	
3/29/2012	1019	10.18	-1.30	65,500	26,100	45,900	29.5	
4/5/2012	1309	10.72	-1.84	65,300	25,600	48,200	29.4	
4/12/2012	1224	10.60	-1.72	65,000	27,000	49,700	30.5	
4/19/2012	1211	10.65	-1.77	65,400	28,200	50,800	30.6	
4/26/2012	1109	10.32	-1.44	66,000	30,900	49,800	29.2	
5/3/2012	1214	9.70	-0.82	67,200	30,800	47,700	29.2	
5/10/2012	1209	10.02	-1.14	68,700	30,200	49,600	29.2	
5/17/2012	1100	9.85	-0.97	68,700	27,800	49,200	28.9	
5/24/2012	1330	9.47	-0.59	68,700	28,000	49,600	29.2	



ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius

Note: TOC elevation is: 8.88 feet NAVD 88

DZMW-1 Pad Monitoring Well Water Quality Data
Northeast Pad Monitoring Well
(NE-DZMW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	0958	8.15	-1.08	73,100	33,300	52,200	30.1	Background Sampling
3/29/2012	1128	8.23	-1.16	73,000	29,600	51,400	30.1	
4/6/2012	0858	8.30	-1.23	72,200	28,800	51,200	30.1	
4/13/2012	1128	8.25	-1.18	72,300	33,900	53,100	30.2	
4/20/2012	1038	8.20	-1.13	72,000	34,700	54,500	30.1	
4/27/2012	0958	7.95	-0.88	72,100	37,300	55,100	29.8	
5/4/2012	1009	7.22	-0.15	72,400	29,900	51,100	29.8	
5/11/2012	1229	7.65	-0.58	72,300	34,700	53,000	30.0	
5/18/2012	1109	7.43	-0.36	73,500	37,600	51,100	30.3	
5/25/2012	1239	7.33	-0.26	73,900	34,300	54,100	30.1	

ft. btoc:	feet below top of casing
TOC:	Top of Casing
ft. NAVD 88:	North American Vertical Datum of 1988
umhos/cm:	micromhos per centimeter
mg/L:	milligrams per liter
C:	Celsius
Top of Casing Elevation:	7.07 feet NAVD 88

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Southeast Pad Monitoring Well (SE-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1033	8.25	-1.08	72,700	33,900	50,500	30.1	Background Sampling	
3/29/2012	1303	8.33	-1.16	72,800	29,200	50,400	30.2		
4/6/2012	1028	8.30	-1.13	72,300	29,300	53,300	30.2		
4/13/2012	1303	8.32	-1.15	72,400	33,800	54,600	30.2		
4/20/2012	1213	8.28	-1.11	72,300	31,700	55,400	30.2		
4/27/2012	1133	8.10	-0.93	72,600	34,600	53,900	29.5		
5/4/2012	1141	7.40	-0.23	73,300	29,700	52,700	30.0		
5/11/2012	1403	7.67	-0.50	72,700	34,100	52,000	30.1		
5/18/2012	1240	7.58	-0.41	74,000	33,100	52,000	30.7		
5/25/2012	1415	7.43	-0.26	73,900	32,400	52,600	29.7		
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.17 feet NAVD 88									

DZMW-1 Pad Monitoring Well Water Quality Data
Southwest Pad Monitoring Well
(SW-DZMW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1137	8.34	-0.97	73,300	32,900	50,300	30.1	Background Sampling
3/29/2012	1229	8.38	-1.01	73,100	29,900	50,700	30.2	
4/6/2012	0954	8.50	-1.13	72,000	28,800	52,500	29.9	
4/13/2012	1227	8.52	-1.15	72,000	32,300	54,400	29.9	
4/20/2012	1139	8.45	-1.08	72,100	31,800	53,700	29.9	
4/27/2012	1101	8.25	-0.88	72,600	31,800	55,300	29.9	
5/4/2012	1108	7.60	-0.23	73,200	30,500	52,600	29.6	
5/11/2012	1331	7.95	-0.58	71,500	35,400	53,800	29.5	
5/18/2012	1208	7.82	-0.45	73,800	32,600	51,200	29.9	
5/25/2012	1343	7.68	-0.31	73,900	33,500	53,600	29.8	

ft. btoc:	feet below top of casing
TOC:	Top of Casing
ft. NAVD 88:	North American Vertical Datum of 1988
umhos/cm:	micromhos per centimeter
mg/L:	milligrams per liter
C:	Celsius
Top of Casing Elevation:	7.37 feet NAVD 88



DZMW-1 Pad Monitoring Well Water Quality Data
Northwest Pad Monitoring Well
(NW-DZMW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1103	8.27	-1.08	73,600	29,500	53,100	29.9	Background Sampling
3/29/2012	1158	8.31	-1.12	73,400	30,100	48,400	30.0	
4/6/2012	0926	8.35	-1.16	72,100	29,200	51,400	29.8	
4/13/2012	1157	8.41	-1.22	72,200	34,600	55,000	30.4	
4/20/2012	1108	8.35	-1.16	72,000	31,400	55,500	29.9	
4/27/2012	1027	8.05	-0.86	72,200	32,200	53,900	29.8	
5/4/2012	1037	7.12	0.07	72,800	30,800	52,400	29.6	
5/11/2012	1258	8.45	-1.26	72,300	33,700	53,000	29.8	
5/18/2012	1137	7.30	-0.11	73,600	35,100	51,800	29.8	
5/25/2012	1309	7.10	0.09	73,400	32,200	53,300	29.7	

ft. btoc:	feet below top of casing
TOC:	Top of Casing
ft. NAVD 88:	North American Vertical Datum of 1988
umhos/cm:	micromhos per centimeter
mg/L:	milligrams per liter
C:	Celsius
Top of Casing Elevation:	7.19 feet NAVD 88

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-255 Enclosure 3 Page 1 of 35

Enclosure 3

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #57 dated June 8, 2012

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

601 Heritage Drive, Suite 110
Jupiter, Florida 33458
Phone: 561-891-0763
Fax: 561-623-5469

June 8, 2012

MHCDEP-12-0229

Mr. Joseph May, P.G.
Florida Department of Environmental Protection
400 N. Congress Ave, Suite 200
West Palm Beach, FL 33401

**RE: Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well
Project; Permit #0293962-001-UC
Weekly Construction Summary #57**

Dear Mr. May:

This is the fifty-seventh weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, May 31, 2012 and ended at 7:00 AM, Thursday, June 7, 2012. Consultant and drilling contractor daily reports were prepared for this reporting period. Copies of the consultant and drilling contractor daily construction logs are attached.

There were no construction activities at DZMW-1 or EW-1 during the previous reporting period.

During this reporting period the drilling contractor used the 12¼-inch diameter drill bit to remove barite kill material that had settled to the bottom of the hole. The drilling contractor then backfilled the pilot hole over the interval from 1,854 to 1,905 feet below pad level (bpl) using 66 five-gallon buckets of gravel. They then backplugged the interval from 1,504 to 1,854 feet bpl in three cement stages using a total of 146 barrels of 12% bentonite blend cement. The drilling contractor then backfilled the interval from 1,443 to 1,504 feet bpl using 208 five-gallon buckets of gravel. The drilling contractor then resumed backplugging the pilot hole with cement and was waiting on the fourth cement stage of 140 barrels of 12% bentonite blend cement to set at the end of the reporting period. The well was killed with barite during the reporting period. A pilot hole backplug summary sheet and daily kill material log is attached. There were no activities at EW-1 during the previous reporting period.

There was no casing installation, cementing, packer testing, well development or construction related issues at EW-1 and DZMW-1 during this reporting period.

During the next reporting period, it is anticipated that the drilling contractor will complete backplugging the DZMW-1 pilot hole with cement and then begin reaming the backplugged

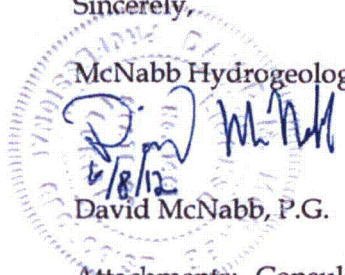
hole. It is also anticipated that the drilling contractor will pump a mixture of bentonite and lost circulation material into the base of the annulus of EW-1 in accordance with the previously submitted plan to seal the EW-1 packer.

In addition, sampling of the pad monitor wells around EW-1 and DZMW-1 began on April 21, 2011 and March 20, 2012, respectively, and has been taking place on a weekly basis since the initial samplings. The EW-1 pad monitor wells were most recently sampled on June 7, 2012. The DZMW-1 pad monitor wells were most recently sampled on June 8, 2012. The most recent set of EW-1 pad monitoring well sample results available are for samples collected on May 31, 2012. The most recent set of DZMW-1 pad monitoring well sample results available are for samples collected on June 1, 2012. Copies of the EW-1 and DZMW-1 pad monitor well water quality data summary sheets are attached.

Should you have any questions regarding the above weekly construction summary, please contact David McNabb at (561) 891-0763.

Sincerely,

McNabb Hydrogeologic Consulting, Inc.



6/8/12
David McNabb, P.G.

Attachments: Consultant Daily Construction Log
Layne Christensen Company-Drilling Shift Report
EW-1 Pad Monitor Well Water Quality Data Summary Sheets
DZMW-1 Pad Monitor Well Water Quality Data Summary Sheets
DZMW-1 Pilot Hole Backplug Summary Sheet
DZMW-1 Daily Kill Material Log

Cc: George Heuler/FDEP-Tallahassee
Emily Richardson/SFWMD
Matthew Raffenberg/FPL
David Holtz/HCE

Joe Haberfeld/FDEP-Tallahassee
Ron Reese/USGS
David Paul/FGS



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: May 31, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: 1,905 feet bpl

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1 and EW-1

Bit Diameter: NA

Ending Depth: 1,905 feet bpl

Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

There were no construction activities on site. The drilling contractor is waiting on selection of the DZMW-1 monitoring zones.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 1, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,905 feet bpl
Weather Day: Cloudy, Rain, Warm
Weather Night: NA
Activity: Preparing for Backplugging DZMW-1 Pilot Hole

FDEP UIC Permit #: 0293962-001-UC
Well No.: DZMW-1
Bit Diameter: NA
Ending Depth: 1,905 feet bpl
Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

- 1130 The drilling contractor was notified that an upper monitor zone of 1,450 to 1,500 feet below pad level (bpl) and a lower monitor zone of 1,860 to 1,905 feet bpl have been selected. The drilling contractor is beginning to prepare to install gravel over the interval from approximately 1,860 to 1,905 feet bpl.
- 1530 The drilling contractor is in the process of tripping into the hole with tremie pipe to begin gravel installation.
- 1620 The drilling contractor continues tripping into the hole with tremie pipe to begin gravel installation.
- 1745 The drilling contractor continues tripping into the hole with tremie pipe to begin gravel installation.
- 1835 The drilling contractor continues tripping into the hole with tremie pipe to begin gravel installation.
- 1920 The tremie pipe has been installed to a depth of 1,895 feet bpl and the well has been killed with barite.
- 2200 The drilling contractor is unable to pump gravel through the tremie pipe. It appears that kill material that had previously been used to kill the well has fallen to the bottom of the hole. It will need to be removed before the gravel can be installed. They will trip out of hole with the tremie pipe and then trip into the hole with the drill bit to remove the material.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 2, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,905 feet bpl
Weather Day: Partly Cloudy, Warm
Weather Night: NA
Activity: Preparing for Backplugging DZMW-1 Pilot Hole

FDEP UIC Permit #: 0293962-001-UC
Well No.: DZMW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 1,905 feet bpl
Recorded By: David McNabb

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor spent the night tripping out of hole with the tremie pipe. They are now preparing to trip into the hole with the drill bit to clean out barite that has fallen to the bottom of the hole.
- 0900 The drilling contractor is tripping into the hole with the bit.
- 1000 The drilling contractor continues tripping into the hole with the bit.
- 1020 The drilling contractor will spend the rest of the day tripping into the hole with the drill bit and cleaning out the bottom of the borehole. They will then trip out of the hole and trip back into the hole with the tremie pipe in preparation for installing gravel from approximately 1,860 to 1,905 feet below pad level (bpl). This is anticipated to take until sometime tomorrow to be ready to begin installing the gravel.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 3, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: NA
Weather Night: Partly Cloudy, Warm
Activity: Backplugging DZMW-1 Pilot Hole

FDEP UIC Permit #: 0293962-001-UC
Well No.: DZMW-1
Bit Diameter: NA
Ending Depth: NA
Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

- 0400 The drilling contractor tripped into the hole with the drill bit and removed the barite from the bottom of the pilot hole, tripped out of the pilot hole with the bit, and tripped back in the pilot hole with the 2 ³/₈-inch diameter tremie pipe yesterday. They also killed the well with barite last night. They are preparing to begin backplugging the pilot hole with gravel (through the monitoring zones) and cement.
- 0615 The drilling contractor begins to install the gravel from the base of the pilot hole beginning at the depth of 1,905 feet below pad level (bpl). The volume of gravel installed is being measured with 5-gallon buckets.
- 0700 The drilling contractor continues to back plug the base of the pilot hole (lower monitor zone) with gravel. Approximately six 5-gallon buckets have been installed so far.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 4, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Warm
Activity: Backplugging DZMW-1 Pilot Hole

FDEP UIC Permit #: 0293962-001-UC
Well No.: DZMW-1
Bit Diameter: NA
Ending Depth: NA
Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor began backplugging the base of the pilot hole (lower monitor zone) with gravel earlier this morning. Barite was used to kill the well during the June 3, 2012 night shift. The gravel is being installed through 2 ³/₈-inch diameter tremie pipe which is set near the base of the pilot hole. The gravel is being measured in 5-gallon buckets. Approximately six 5-gallon buckets have been installed so far.
- 0815 Fourteen 5-gallon buckets of gravel have been installed.
- 0930 Nineteen 5-gallon buckets of gravel have been installed and the drilling contractor is preparing to tag the top of the gravel.
- 0945 The top of the gravel is tagged at the depth of 1,885 feet bpl. The drilling contractor removes one 30 foot section of tremie pipe.
- 1005 The drilling contractor resumes the installation of gravel.
- 1110 Twenty-four 5-gallon buckets of gravel have been installed.
- 1245 Thirty-six 5-gallon buckets of gravel have been installed.
- 1345 Forty-four 5-gallon buckets of gravel have been installed.
- 1500 Sixty 5-gallon buckets of gravel have been installed.
- 1550 The drilling contractor has installed sixty-six 5-gallon buckets of gravel. The drilling contractor will wait approximately half hour for the gravel to settle before tagging the top of the gravel with the tremie pipe.
- 1645 The drilling contractor tags the top of gravel placed within the lower monitor zone at the depth of 1,854 feet bpl.
- 1840 The drilling contractor pumps a small spot of cement using 3 barrels of neat cement.
- 2050 The drilling contractor tags the top of the cement spot at the depth of 1,827 feet bpl. The cement plan for cement stage 1 is to pump 80 barrels of 12% bentonite blend cement.
- 2130 Begin cement stage 1.
- 2155 Complete cement stage 1 using 80 barrels of 12% bentonite blend cement.



McNabb Hydrogeologic Consulting, Inc.



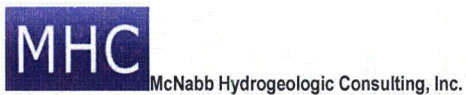
Daily Construction Log

Date: June 5, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 1,905 feet bpl
Weather Day: Cloudy, Hot
Weather Night: Cloudy, Warm
Activity: Backplugging DZMW-1 Pilot Hole

FDEP UIC Permit #: 0293962-001-UC
Well No.: DZMW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 1,905 feet bpl
Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor installed gravel over the interval from 1,854 to 1,905 feet below pad level (bpl) and pumped the first stage of cement to start backplugging the DZMW-1 pilot hole yesterday. The drilling contractor is currently preparing to tag the top of the stage 1 cement using the cement tremie tubing.
- 0745 The top of stage 1 cement is tagged at the depth of 1,634 feet bpl. The cement plan for stage 2 cementing is to pump 55 barrels of 12% bentonite blend cement.
- 0840 Begin pumping stage 2 cement.
- 0900 Complete pumping stage 2 cement using 55 barrels of 12% bentonite blend cement.
- 1100 The drilling contractor is performing general site maintenance while waiting for the cement to cure.
- 0230 The drilling contractor is preparing to tag the top of stage 2 cement.
- 0330 The top of stage 2 cement is tagged at the depth of 1,533 feet bpl. The cement plan for stage 3 is to pump 11 barrels of neat cement. The theoretical lift of cement is to the depth of 1,505 feet bpl.
- 1635 Begin pumping stage 3 cement.
- 1645 Complete pumping stage 3 cement using 11 barrels of 12% bentonite blend cement.
- 1800 The drilling contractor is performing general site maintenance while waiting on the cement to cure.
- 2000 The drilling contractor continues performing general site maintenance.
- 2120 The drilling contractor tags the top of stage 3 cement at the depth of 1,504 feet bpl.
- 2130 The drilling contractor prepares to begin installing gravel within the upper monitor zone which is between the approximate depths of 1,450 feet to 1,500 feet bpl.
- 2210 The drilling contractor begins to tremie gravel within the upper monitor zone. The gravel is being pumped through 2 3/8-inch diameter tremie pipe. The gravel is being measured in 5-gallon buckets.
- 0015 Forty 5-gallon buckets of gravel have been installed.
- 0200 Eighty-five 5-gallon buckets of gravel have been installed.
- 0315 One hundred and twenty three (123) 5-gallon buckets of gravel have been installed. The drilling contractor is going to wait approximately 1 hour for the gravel to settle and then tag the top of the gravel using the tremie pipe.



- 0410 The top of the gravel is tagged at the depth of 1,450 feet bpl. The drilling contractor resumes installing the gravel within the upper monitor zone.
- 0600 One hundred and thirty eight (138) 5-gallon buckets of gravel have been installed. The drilling contractor will wait approximately 1 hour for the gravel to settle and then tag the top of the gravel using the tremie pipe.
- 0700 The drilling contractor is preparing to tag the top of the gravel.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 6, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Cloudy, Storms, Hot
Weather Night: NA
Activity: Backplugging DZMW-1 Pilot Hole

FDEP UIC Permit #: 0293962-001-UC
Well No.: DZMW-1
Bit Diameter: NA
Ending Depth: NA
Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues backplugging the DZMW-1 pilot hole with cement and gravel (within the monitoring zones). Gravel is currently being installed within the upper monitor zone between the depths of 1,450 and 1,500 feet below pad level (bpl). One hundred and thirty eight 5-gallon buckets of gravel were installed during the night shift and the drilling contractor is current preparing to tag the top of the gravel using the 2 ³/₈-inch diameter tremie pipe.
- 0720 The top of the gravel is tagged at the depth of 1,450 feet bpl and the drilling contractor prepares to resume installation of gravel.
- 0730 The drilling contractor is currently shut down due to lightning.
- 0855 The drilling contractor resumes to tremie gravel within the upper monitor zone.
- 1000 An additional ten 5-gallon buckets of gravel have been installed (total of 148 buckets).
- 1100 One hundred seventy six 5-gallon buckets of gravel have been installed.
- 1230 One hundred eighty nine 5-gallon buckets of gravel have been installed
- 1315 Two hundred and eight 5-gallon buckets of gravel have been installed within the upper monitor zone. The drilling contractor will wait approximately 1 hour to allow the gravel to settle and then tag the top of the gravel using the tremie pipe.
- 1410 The top of the gravel is tagged at the depth of 1,443 feet bpl.
- 1430 The drilling contractor prepares to pump a small spot of cement. The cementing plan is to pump 3 barrels of neat cement. The theoretical lift is to the depth of 1,438 feet bpl.
- 1945 The drilling contractor tags the top of the spot cement with the tremie pipe at the depth of 1,439 feet bpl. The drilling contractor is preparing to pump cement stage 4 to continue to backplug the pilot hole above the monitor zones. The cement plan is to pump 140 barrels of 12% bentonite blend cement. The theoretical lift is to the depth of 1,107 feet bpl.
- 2000 Begin pumping cement stage 4.
- 2040 Complete stage 4 cement using 140 barrels of 12% bentonite blend cement.
- 2115 The drilling contractor will be performing general site maintenance while waiting on the cement to cure.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-255 Enclosure 3 Page 12 of 35

DATE 5-31-12
THUR DAYS

JOB# 11771-1405-10000

JOB SITE NAME mw-1

JOB SITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	BOSIT GULOMOV	45	12		12
A.P.	ANDRY DOPOV	45	10		10
V.I.	VICAD ISHIMOV	45	10		10
V.M.	VICTOR MOISYEV	45	10		10

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
EDW-200	28605	W/K
1989 MACK	28000	
Dump TRUCK		S/B
CEMENT	28145	S/B
UNIT		
Working	WB	Mobilization MB
Standby	SB	Demobilization DM
Down in Shop	DS	Available in Yard AY
Down on Site	DB	Available on Job AV

ONLY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Ons to Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Ditch Pad	
14	11550	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	13000	Orchard Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Well Bore Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Orchard Abandonment / Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack the Well	
29	13600	Install Annular Seal	
30	13650	Well Washing	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furthest Install Tool Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Drilling and Drilling	
37	19050	Off to Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Waiting for Load/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
TOTAL HOURS			

MATERIALS USED TODAY

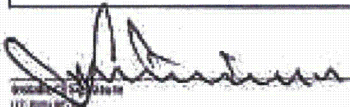
Quantity	Description
	SAFETY MTE:
	LOCK OUT TAGOUT:
	PPE: H.E.R.A. LOADER SAFETY:
	SLIPS - TRIPS - FALLS:
	CR. Ellis 7:00 AM - 9:00 PM +
	1:00 PM TO - 5 PM

TIME OF ACTIVITY BY ITEM

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COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

HOUSE KEEPING: HELPING ELLIS:

 5-31-12
Date

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL
JOB SITE NAME mwl

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-255 Enclosure 3 Page 13 of 35

DATE 5/31/12
Thurs night shift

JOB # 11776.1405.10000
JOB SITE LOCATION Turkey Point

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
	George Hoga	45	12		12
	Juan Nieto	45	12		12
	Paul Vaughn	45	12		12
	Bob Feetham	45	12		12
	Josh Ashley	-	1		1

EQUIPMENT EMPLOYED TODAY

Description	Unit #	Status
FDW 200	2865	4/12
1989 MAC	28005	5/12
Dump truck		
Cement Unit	28145	5/12

DAILY ASSIGNMENTS OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Luach	
TOTAL HOURS			

MATERIALS USED TODAY

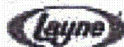
Quantity	Description
	Safety Meeting
	① Pressure washer
	② Insect Bites
	Safety topic
	PPE, slips, trips, & falls, Insect bites, Ladder Safety, Hand Signals

TIME OF ACTIVITY BY ITEM

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COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Pressure washer rig and can-rig also Engineer
for & Layne for. Clean back section of Rig pad
Move Pup & Subs into bit box organized
area in front of Rig. hook up and Service
Cementation



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT

FPC

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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DATE

6-1-12

JOB #

11771-1405-10000

JOBSITE NAME

T.P.

JOBSITE LOCATION

T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	BOSIT GULOMOV	45	12		12
A.P.	ANDREY POPOV	45	12		12
V.M.	VICTOR MOISYEV	45	12		12
V.T.	VLAD TSHIMOV	45	8		8

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
FDW-200	28605	w/K
1989 MACIL	18002	S/B
DUMP TRUCK		
CEMENTIT	28145	S/B
UNIT		
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0000	Training - Overhead	
6	0005	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Insta Sound Walls	
11	11400	Insta Decon Pad	
12	11450	Insta Surface Casing	
13	11500	Insta Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Abandonment/Cement Plugs	
24	13350	Roaming	
25	13400	Under Roaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG:
	WATER HAZARDS:
	PPE, HIRA, LOADER SAFETY:
	HAND SAFETY: PINCH POINT!

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
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COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

RIG UP MIX pump: 1989 MACIL 18002 S/B
T.I.H CEMENT TUBING: HELPING ELITS:
KILL HOLE 2'4" - LIGHTNING:

6-1-12

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT

FPL

Proposed Turkey Point Units 6 and 7
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DATE

6-2-12
SAT DAYS

JOB #

11771-1405-10000

JOBSITE NAME

MW-1

JOBSITE LOCATION

T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	BOSIT GULOMOV	45	12		12
A.P.	ANDREY POPOV	45	12		12
N.M.	VICTOR MOISEY	45	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
FDW-200	28605	W/K
1989 MACK	18000	S/B
DUMP TRUCK		
CEMENT	28145	S/B
UNIT		
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development: Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	28000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
TOTAL HOURS			

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG:
	T.I.H. HAND SAFETY: PPE:
	PINCH POINT: SLIPS - TRIPS - FALLS:

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
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COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

T.O.H. CEMENT TUBING: T.I.H. D.P. @ -1905 BPL:

Signature
6-2-12
Date

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-255 Enclosure 3 Page 17 of 35

DATE 6/2/12
SAT Night Shift

JOB # 11771.1405.10000
PROPERTY LOCATION Turkey Point

CLIENT FPL
OWNER NAME MW

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Hagg	45	12		12
JW	Justin Wieto	45	12		12
PV	Paul Vaughn	45	12		12
IP	Igor Popov	45	12		12

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
FDW 200		
1989 Mack		
Pump truck		
Cement Unit		
Working	WB	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DM	Available on Job

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Dural on Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Fracking - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Fracking - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Driv Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Wellsite Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Well Abandonment / Cement Plug	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development / Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Urinal & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Off to Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Waiting for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
TOTAL HOURS			

MATERIALS USED TODAY

Quantity	Description
	Safety Meeting
①	Hub & Keyping
③	Tripin Drill pipe
	Safety Tripin C.
	Slips, Tripin, & Falls, Tripping
	Pipe, Hand Safety, PPE, Effluents

TIME OF ACTIVITY BY ITEM

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		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Slips Tripin Collar w/12 1/4 bit and 15 STD Start circulating down clear up hole. Surge bottom OF hole for one hour. mix kill. pump 2" inch OF Kill in Drill pipe.

Installer's Signature
LCC 0001 002 000

Date

Client's Signature

PAYROLL

Date

Supervisor's Signature

Date

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7

Docket Nos. 52-040 and 52-041

~~L-2012-255 Enclosure 3 Page 18 of 35~~

DATE 6/3/12
Sunday Days

11771.405.10000
Turkey Point

Account Lockout

TABLE ACCOUNTING OF ACTIVITIES IN ITEM 6

CLIENT

JOB SITE NAME

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EQUIPMENT DEPLOYED TODAY

Crew Assignment#	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Drill MR	Michael A. Ramirez	45	12		12
VI	Vlad Ishimov	45	12		12
BF	Bob Feet Ham	45	12		12
JM	James McDonnell	45	12		12

MATERIALS USED TODAY

Quantity	SAFETY MEETINGS	Description
	①	Levine Safety, Health, & Sustainability handout Dress for Success & Cigarette Smoking
	②	Levine Safety, Health, & Sustainability handout Shoreline Safety & What not to wear
		PPE, ladder safety, pinch/crush points, inhalation hazards, slip-trip-fall, Heat stress safety, Stay hydrated...

TIME OF ACTIVITY BY ITEM

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Tripout of HOLE, 20 STD drillpipe. Mix/condition Kill / Build volume
pump off slurry pit to canal. Cont. Mix Kill.

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Drillhole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Install Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Drillhole Abandonment/Concrete Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

[Signature]
 Director, Security

6/3/12

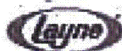
Client's Signature

PAYROLL

Curriculum

Supervisor's Signature

• Dystonia



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-255 Enclosure 3 Page 20 of 35

CLIENT FPL

DATE 06-04-2012
MONDAY DAYS

JOB# 11771-MOS-10.000
T.P.

JOB SITE NAME MW-1

JOB SITE LOCATION

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER MR	Michael A. Ramirez	45	12		12
VI	Vlad Ishimov	45	12		12
BF	Bob Featherham	45	12		12
JM	James McDonnell	45	12		12

EQUIPMENT EMPLOYED TODAY

Description	Unit #	Status
FDW-200	28605	W/R
1983 MACK	18000	S/B
DUMP TRUCK		
CEMENT	28145	S/B
UNIT		
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job

DAILY ACCOUNTING OF ACTIVITIES BY HOUR

Hour #	Card Code	Job Activity	Hours
1	10000	Sheet Pile Installation	
2	11000	Grout/Ready to Use	
3	11100	Grout/Ready to Use	
4	11200	Grout/Ready to Use	
5	0000	Training - Overhead	
6	1000	Shop - Overhead	
7	0000	Warehouse - Overhead	
8	10200	Training - Job Changeover	
9	10300	Job Changeover	
10	10300	Install Inert Wash	
11	10400	Install Inert Wash	
12	10400	Install Inert Wash	
13	10400	Install Inert Wash	
14	10400	Install Inert Wash	
15	02100	Geophysical Logging & Other Testing	
16	02100	Acquifer Zone Testing	
17	02100	Borehole Abandonment	
18	03000	Production Well Installation	
19	03100	Install Completion Plug	
20	03150	Install Inert Wash	
21	03100	Geophysical Logging & Other Testing	
22	03200	Acquifer Zone Testing	
23	13100	Refractory Abandonment/Completion Plug	
24	03200	Grouting	
25	13400	Underflowing	
26	13400	Install Casing	
27	13500	Install Inert Wash	
28	13500	Grout Pack The Well	
29	13600	Install Annular Seal	
30	13600	Water Washing	
31	14000	Well Development Air Lift and Swab	
32	14200	Geophysical Logging & Casing	
33	14250	Install & Install Test Pump and Discharge	
34	14250	Development Pumping	
35	14250	Test Pumping	
36	14300	Production and Completion	
37	14300	Water Washing/Grout/Ready to Use	
38	10100	Shop	
39	10100	Warehouse	
40	20000	Other Activities	
41	20000	Grout/Ready to Use/Grout/Ready to Use	
42	20000	Change Order Activities	
43	20000	Equipment Repairs	
44	20100	Management	
45	20200	Job Supervision	
		Hours	
		TOTAL HOURS	

LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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DATE 6/4/12
Monday Night Shift

JOB # 11771.1405.10000
LOCATION Turkey Point

CLIENT

JOB SITE NAME

PERSONNEL EMPLOYED TODAY

Crew Assignment	Emp byee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Driller	George Hage	45	12		12
SW	Juan Nieto	45	12		12
PR	Paul Varghw	45	12		12

MATERIALS USED TODAY

[illegible]

ACQUISITION OF PLANNING-FOCUS

Description		Unit #	Status
Fuel 201 25605			Y/C
1989 MAC 10505			S/B
Dump truck			
Cement Unit 28/45			Y/C
Working	WK	Mobilization	MB
Sunday	SD	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

TIME OF ACTIVITY BY ITEM A

[illegible]

DAILY ACCOUNTING OF ACTIVITIES BY INDIVIDUAL

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/ Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development/ Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Start to mix Kill. tag @ 1827 bbl pump 80 bbls
OF 12% Cement pill & double s. Clean out tubing
Rig. PSE Gauge to Read header pressure, pump
Slurry Pit to Canal. Catch Turbidity Sample Every 30 min

Intervista a Stefano

Client's Signature

PAYROLL

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Subscriber's Library

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LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Proposed Turkey Point Units 6 and 7

Docket Nos. 52-040 and 52-041

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DATE 6/5/12

Tues. Days

JOB # 1171.1405.10000

JOBSITE LOCATION Turkey Point

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

CLIENT **FPL**

JOB SITE NAME NW-1

PERSONNEL EMPLOYED TODAY

EQUIPMENT DEPLOYED TODAY

Crew Assignment	Employee- Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
MR BRI	Michael A. Ramirez	45	12		12
VI	Vlad Ishimov	45	12		12
JM	James McDonnell	45	12		12
BF	Bob Feetham	45	12		12

MATERIALS USED TODAY

Quantity	SAFETY MEETINGS	Description
	① Pumping Cement	
	② Hand Safety	
	HIRA, High pressure lines, loader safety, welding torch overhead dangers,	

TIME OF ACTIVITY BY ITEM

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Tag Cement & prep for cement pump. Pump Cement + pull 5 stands and wait on Cement. Moved core pump. Help welder, Housekeeping, pump off slurry pit water. Moved 3 spottal Frack Tanks (x2). Clean/organize Parts Houses & Jobsite. Tag Cement & prep for another cement pump. Pump Cement, pulled 3 stands of cement tubing. Prep for gravel.

M. Reij
Installer's Signature
11-01281-00000

6/6/12
Date

Client's Signature

PAYROLL

Data

Supervisor's Signature _____

Date _____

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decent Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13050	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Stuncky	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	08000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS,	



LAYNE CHRISTENSEN COMPANY - NON-DRILLING/SERVICE SHIFT REPORT

Proposed Turkey Point Units 6 and 7

Docket Nos. 52-040 and 52-041

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CLIENT FPLDATE 6-5-12JOB # 11771.1405.10000JOBSITE NAME NW-1TUE NIGHTJOBSITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRIVER	BOBIT GILMONOV	45	12		12
AP	ANDREY POPOV	45	12		12
PV	PAUL VAUGHN	45	12		12
VM	VICTOR MOISEYEV	45	12		12

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG:
	PUMPING CEMENT
	HAND SAFETY
	PPE, HIRA, LOADER SAFETY,
	PINCH POINTS.

EQUIPMENT DEPLOYED TODAY

Description	Unit #	Status
FDW-200 28605 WK		
1989 MACK 18000 SB		
DUMP TRUCK		
CEMENT 28145 WK		
UNIT		
Working	WK	Mobilization MB
Standby	SB	Demobilization DM
Down in Shop	DS	Available in Yard AY
Down on Site	DN	Available on Job AV

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	
		AM PM	
		AM PM	

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meetings	
5	18005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Cleanup	
10	14300	Disinfection and Chlorination	
11	15050	Permeant Pump Install Well Head/Fitless	
12	15100	Furnish & Install Pump, Motor, Appurtenances	
13	15150	Furnish & Install Vault	
14	15200	Furnish & Install Discharge Piping	
15	15250	Furnish & Install Well Head Platform/Pad	
16	16050	Build & Treat Equipment Construct/Install Layout Bldg	
17	16100	Install Building	
18	16150	Concrete Work	
19	16200	Install Treatment Equipment	
20	16250	Install Misc. Equipment	
21	16300	Painting	
22	16350	Install Piping	
23	19050	Offsite Activities Mob/Demob	
24	19100	Shop	
25	19150	Administration	
26	19550	Other Activities Standby	
27	19600	Fishing for Lost/Broken Tooling	
28	19650	Change Order Activities	
29	89000	Equipment Repairs	
30	90170	Demopos	
31	90200	Job Superintendent	
32	90210	Assistant Job Superintendent	
33	90220	Project Manager	
34	90230	Assistant Project Manager	
35	90240	Jobsite Admin Assistant	
36	90250	Project Engineer	
37	90260	Foreman	
		Lunch	
		TOTAL HOURS	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

WAIT ON CEMENT TO DRY 7:00 pm - 9:00 pm; TAG CEMENT @ 1504' BPL;
START GRAVELING 13B 5gal. BUCKETS; TAG @ 1450' BPL

Installer's Signature
LCC 0582 06229

Date

Client's Signature

Date

Supervisor's Signature

Date

PAYROLL



LAYNE CHRISTENSEN COMPANY - NON-DRILLING/SERVICE SHIFT REPORT

CLIENT FPL

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-255 Enclosure 3 Page 25 of 35

DATE 6-5-2012
WED NIGHT

JOB # 11771-1405-10000

JOB SITE NAME MW-1

JOB SITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

Emp Signature	Employee - Full Name	Per Diem ID	GRADE Hours	DETAILS Hours	Total Hours
<i>[Signature]</i>	Miller Boris Gulamov	45	12		12
<i>[Signature]</i>	A.P. ANDREY POPOV	45	12		12
<i>[Signature]</i>	V.M. VICTOR MOISEYEV	45	12		12

EQUIPMENT EMPLOYED TODAY

Description	Unit #	Status
KDW-200	28605	W/K
1989 MACK	18000	S/B
DUMP TRUCK		
CEMENT	28145	W/K
UNIT		
Working	WK	Mobilization
Standby	SB	Demobilization
Down in Shop	DS	Available in Yard
Down on Site	DN	Available on Job

DAILY ACCOUNTING OF ACTIVITIES BY ITEM

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob-Demob	
3	11150	Job Preparation	
4	11200	Safety Meetings	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Cleanup	
10	14300	Disinfection and Chlorination	
11	15050	Permanent Pump Inside Well Head/Pileless	
12	15400	Furnish & Install Pump, Motor, Appurtenances	
13	15150	Furnish & Install Vault	
14	15200	Furnish & Install Discharge Piping	
15	15250	Furnish & Install Well Head Platform/Pad	
16	16050	Build & Treat Equipment Construct/Install Layout Bldg	
17	16100	Install Building	
18	16150	Concrete Work	
19	16200	Install Treatment Equipment	
20	16250	Install Misc Equipment	
21	16300	Painting	
22	16350	Install Piping	
23	19050	Offsite Activities Mob/Demob	
24	19100	Shop	
25	19150	Administration	
26	19550	Other Activities Standby	
27	19600	Fishing for Lost/Broken Tooling	
28	19650	Change Order Activities	
29	88000	Equipment Repairs	
30	90170	Damages	
31	90200	Job Superintendent	
32	90210	Assistant Job Superintendent	
33	90220	Project Manager	
34	90230	Assistant Project Manager	
35	90240	Jobsite Admin Assistant	
36	90250	Project Engineer	
37	90260	Foreman	
		Lunch	
		TOTAL HOURS	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTG:
	ELECTRICAL SAFETY:
	HAND SAFETY: HIGH PRESS LINE
	LOADER SAFETY: SLIP-TRIP-FALL

TIME OF ACTIVITY BY ITEM

From	To	Circle One	Item #
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
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		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	
		AM PM	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

TAG CEMENT @ 1439 BPL. PUMP CEMENT 140 BBL 12"
RIG DOWN GRAVEL BUCKET; HOUSEKEEPING SITE CLEAN UP;

[Signature]
Client's Signature

6-5-12

Date

PAYROLL

Date

Supervisor's Signature

[Signature]
Date

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



EW-1 Pad Monitoring Well Water Quality Data
Northeast Pad Monitoring Well
(NE-EW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1108	10.49	-1.61	78,700	32,200	57,000	29.8	Background Sampling
4/29/2011	1157	10.68	-1.80	80,400	29,900	53,800	30.4	
5/5/2011	1157	11.40	-2.52	81,400	27,500	52,350	31.2	
5/11/2011	1309	11.00	-2.12	76,800	31,600	51,200	29.7	
5/19/2011	0958	10.48	-1.60	72,600	35,600	51,200	29.5	
5/26/2011	1050	10.76	-1.88	71,360	29,500	52,900	29.7	
6/2/2011	1134	10.78	-1.90	71,700	29,000	55,700	29.6	
6/9/2011	1128	10.61	-1.73	69,700	32,300	50,650	29.3	
6/16/2011	0958	10.35	-1.47	69,300	33,000	53,450	29.5	
6/23/2011	1028	10.41	-1.53	69,400	30,600	55,600	29.5	
6/30/2011	0928	10.15	-1.27	70,300	27,600	51,950	29.2	
7/8/2011	1210	9.00	-0.12	72,570	30,100	54,150	29.9	
7/14/2011	1338	9.75	-0.87	76,400	27,200	54,550	29.9	
7/21/2011	1039	9.35	-0.47	72,200	32,600	49,760	29.7	
7/28/2011	1119	9.51	-0.63	71,600	30,200	54,250	29.7	
8/4/2011	1249	9.70	-0.82	64,400	31,500	53,850	27.5	
8/11/2011	1059	9.25	-0.37	73,900	29,500	57,150	29.6	
8/18/2011	1039	9.45	-0.57	71,900	29,400	54,850	30.0	
8/25/2011	1039	9.45	-0.57	69,800	31,300	55,550	29.7	
9/1/2011	1109	9.15	-0.27	71,700	29,500	56,300	29.9	
9/8/2011	1049	9.15	-0.27	70,700	31,400	49,800	30.3	
9/16/2011	1233	9.30	-0.42	5320*	1260*	2668*	27.8	
9/23/2011	1129	9.10	-0.22	72,900	31,200	52,750	30.1	
9/29/2011	1330	9.16	-0.28	11,500*	3,200*	7,010*	27.8	
10/6/2011	1119	9.30	-0.42	72,600	30,000	56,200	30.1	
10/13/2011	1058	10.15	-1.27	75,200	32,500	51,600	30.1	
10/20/2011	1049	8.40	0.48	68,400	29,100	57,450	29.9	
10/27/2011	1109	8.95	-0.07	80,200	27,700	54,950	30.0	
11/3/2011	1049	8.91	-0.03	80,200	31,100	55,700	29.9	
11/10/2011	0958	9.67	-0.79	75,500	28,700	59,600	30.0	
11/17/2011	1058	10.81	-1.93	68,400	34,900	57,500	30.1	
11/25/2011	0939	9.51	-0.63	69,300	26,500	52,750	30.0	
12/1/2011	1138	9.67	-0.79	66,000	29,800	55,200	29.8	
12/8/2011	1058	10.31	-1.43	63,800	30,100	57,050	27.5	
12/15/2011	1109	9.61	-0.73	75,400	28,300	53,700	30.0	
12/22/2011	1038	9.67	-0.79	69,300	29,500	51,800	30.7	
12/29/2011	0918	9.87	-0.99	76,900	30,800	51,300	29.7	
1/5/2012	1118	10.41	-1.53	70,400	28,100	52,200	29.5	
1/12/2012	1058	10.21	-1.33	75,200	28,200	50,900	29.9	
1/19/2012	0958	10.30	-1.42	75,200	27,700	49,300	29.8	
1/26/2012	1048	10.22	-1.34	72,300	29,400	55,300	30.0	
2/2/2012	1048	10.21	-1.33	71,300	28,400	50,700	29.9	
2/10/2012	1029	9.15	-0.27	71,400	30,400	52,400	30.0	
2/16/2012	1219	9.47	-0.59	72,300	27,000	53,300	29.9	
2/23/2012	1049	9.57	-0.69	72,300	29,600	55,100	30.1	
3/1/2012	1038	9.74	-0.86	72,300	31,500	50,100	30.0	
3/8/2012	1058	9.76	-0.88	72,200	31,600	53,100	29.3	
3/16/2012	1038	9.65	-0.77	72,100	34,900	53,100	29.9	
3/22/2012	1108	9.90	-1.02	72,400	30,800	48,700	29.8	
3/29/2012	0911	9.87	-0.99	72,500	29,100	48,600	29.2	
4/5/2012	1208	10.25	-1.37	71,600	29,200	50,800	30.0	
4/12/2012	1118	10.15	-1.27	71,500	32,000	52,700	30.1	
4/19/2012	1143	9.85	-0.97	72,000	34,000	54,500	30.3	
4/26/2012	1009	9.50	-0.62	72,100	36,000	54,200	29.7	
5/3/2012	1144	8.85	0.03	72,400	36,500	50,900	29.6	
5/10/2012	1109	9.42	-0.54	72,800	32,000	51,700	29.7	
5/17/2012	0959	9.05	-0.17	73,200	29,500	53,200	29.7	
5/24/2012	1229	8.65	0.23	72,200	28,900	51,900	29.6	
5/31/2012	1214	9.04	-0.16	72,800	30,900	51,200	29.9	

ft. btoc: feet below top of casing

TOC: Top of Casing

ft. NAVD 88: North American Vertical Datum of 1988

umhos/cm: micromhos per centimeter

mg/L: milligrams per liter

C: Celsius

*Results appear to be anomalous and are suspected to be related to a sampling error. Countermeasures to prevent recurrence have been implemented.

Note: TOC elevation is: 8.88 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



**EW-1 Pad Monitoring Well Water Quality Data
Southeast Pad Monitoring Well
(SE-EW PMW)**

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1311	10.10	-1.51	81,600	30,200	57,800	29.9	Background Sampling
4/29/2011	1349	10.40	-1.81	86,700	33,100	55,000	30.4	
5/5/2011	1008	11.10	-2.51	83,000	29,500	54,700	29.9	
5/11/2011	1228	10.65	-2.06	78,200	30,100	52,600	30.1	
5/19/2011	1039	10.12	-1.53	75,200	30,000	51,100	29.8	
5/26/2011	1235	10.47	-1.88	73,890	31,200	53,800	29.9	
6/2/2011	1056	10.50	-1.91	74,200	29,400	57,400	29.6	
6/9/2011	1210	10.32	-1.73	72,200	32,100	51,000	29.6	
6/16/2011	1035	10.00	-1.41	71,300	32,200	54,000	29.8	
6/23/2011	1109	10.10	-1.51	71,900	31,600	55,650	29.8	
6/30/2011	1009	9.85	-1.26	72,800	27,600	53,050	29.5	
7/8/2011	1138	9.12	-0.53	73,150	29,800	54,450	29.9	
7/14/2011	1414	9.48	-0.89	79,700	29,000	55,350	29.8	
7/21/2011	1119	9.36	-0.77	74,100	34,000	54,100	30.0	
7/28/2011	1229	9.55	-0.96	74,300	30,200	56,300	29.8	
8/4/2011	1224	9.50	-0.91	72,700	31,500	53,000	27.7	
8/11/2011	1209	9.37	-0.78	77,400	30,000	56,800	29.7	
8/18/2011	1149	9.45	-0.86	74,100	30,100	55,500	30.0	
8/25/2011	1149	9.38	-0.79	73,300	31,200	57,450	29.6	
9/1/2011	1224	9.10	-0.51	72,700	30,700	57,300	29.8	
9/8/2011	1159	9.21	-0.62	73,200	32,200	51,800	30.1	
9/16/2011	1303	9.40	-0.81	70,280	29,600	50,550	27.7	
9/23/2011	1239	9.20	-0.61	75,200	29,000	55,550	29.8	
9/29/2011	1300	9.10	-0.51	68,500	30,700	53,600	27.4	
10/6/2011	1229	9.25	-0.66	79,100	31,300	54,050	30.0	
10/13/2011	1209	9.95	-1.36	76,900	30,200	52,250	30.1	
10/20/2011	1200	8.60	-0.01	69,900	28,000	57,150	29.8	
10/27/2011	1218	8.81	-0.22	82,400	28,000	56,500	30.0	
11/3/2011	1159	9.56	-0.97	82,900	31,000	56,400	30.1	
11/10/2011	1109	9.96	-1.37	78,300	27,900	60,500	30.1	
11/17/2011	1208	10.90	-2.31	69,700	34,000	57,800	30.2	
11/25/2011	1049	9.36	-0.77	69,900	26,900	53,600	30.0	
12/1/2011	1248	10.85	-2.26	71,800	33,900	57,000	30.2	
12/8/2011	1209	9.87	-1.28	68,900	29,500	61,500	27.0	
12/15/2011	1219	9.53	-0.94	76,600	28,000	55,100	30.1	
12/22/2011	1149	9.65	-1.06	72,300	29,000	52,400	30.0	
12/29/2011	1029	9.96	-1.37	77,600	29,800	52,200	30.1	
1/5/2012	1229	10.31	-1.72	72,800	27,700	53,400	30.1	
1/12/2012	1204	10.10	-1.51	76,000	30,800	52,900	30.1	
1/19/2012	1139	10.38	-1.79	76,500	28,100	50,800	30.0	
1/26/2012	1229	10.18	-1.59	73,200	29,900	56,300	30.1	
2/2/2012	1229	10.23	-1.64	72,400	27,900	52,000	30.1	
2/10/2012	1209	9.21	-0.62	72,000	29,800	55,400	30.2	
2/16/2012	1359	9.45	-0.86	72,700	27,700	57,200	30.2	
2/23/2012	1229	9.48	-0.89	72,800	32,100	57,000	30.2	
3/1/2012	1219	9.61	-1.02	72,800	31,000	51,700	30.2	
3/8/2012	1244	9.81	-1.22	72,500	32,500	52,500	29.9	
3/16/2012	1219	9.61	-1.02	72,900	34,300	53,100	30.3	
3/22/2012	1249	9.87	-1.28	72,600	31,000	51,100	30.2	
3/29/2012	1054	9.97	-1.38	72,900	29,500	51,200	29.9	
4/5/2012	1341	10.05	-1.46	72,300	29,500	52,200	30.2	
4/12/2012	1259	9.98	-1.39	72,200	31,200	53,800	30.5	
4/19/2012	1244	9.90	-1.31	71,800	33,500	54,500	30.4	
4/26/2012	1144	9.61	-1.02	72,200	35,500	54,500	30.0	
5/3/2012	1249	8.97	-0.38	73,100	37,400	51,700	30.2	
5/10/2012	1242	9.32	-0.73	73,300	32,100	53,100	30.2	
5/17/2012	1134	9.10	-0.51	73,300	27,700	54,100	30.1	
5/24/2012	1404	8.75	-0.16	73,400	30,600	54,100	30.3	
5/31/2012	1343	9.10	-0.51	73,900	31,000	50,500	30.1	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.59 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



**EW-1 Pad Monitoring Well Water Quality Data
Northwest Pad Monitoring Well
(NW-EW PMW)**

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1221	10.50	-1.66	84,300	33,500	59,900	30.8	Background Sampling
4/29/2011	1120	10.65	-1.81	86,300	33,700	56,400	30.0	
5/5/2011	1051	11.40	-2.56	87,400	31,300	57,650	31.1	
5/11/2011	1034	12.40	-3.56	79,100	33,500	55,650	30.4	
5/19/2011	1113	13.90	-5.06	80,000	36,000	53,700	30.4	
5/26/2011	1125	10.73	-1.89	75,130	32,300	55,450	30.4	
6/2/2011	1215	10.75	-1.91	75,900	30,700	59,500	30.3	
6/9/2011	1248	10.60	-1.76	72,500	32,200	51,950	29.9	
6/16/2011	1118	10.25	-1.41	72,500	31,500	54,550	30.0	
6/23/2011	1143	10.37	-1.53	73,300	31,600	57,750	30.3	
6/30/2011	1049	10.10	-1.26	75,700	27,400	54,300	30.0	
7/8/2011	1112	9.38	-0.54	74,100	30,700	53,950	30.3	
7/14/2011	1524	9.75	-0.91	79,900	27,600	56,350	30.3	
7/21/2011	1226	9.60	-0.76	76,200	32,600	54,500	29.7	
7/28/2011	1154	9.80	-0.96	74,900	32,200	57,050	30.5	
8/4/2011	1317	9.85	-1.01	78,000	30,500	59,300	28.7	
8/11/2011	1134	9.61	-0.77	77,600	31,100	58,150	30.4	
8/18/2011	1114	9.68	-0.84	73,100	30,000	55,350	30.6	
8/25/2011	1114	9.61	-0.77	72,300	31,800	56,950	30.0	
9/1/2011	1149	9.33	-0.49	71,900	29,300	56,000	30.4	
9/8/2011	1124	9.45	-0.61	73,800	30,100	52,300	30.5	
9/16/2011	1203	9.60	-0.76	67,200	23,400	51,650	28.2	
9/23/2011	1204	9.43	-0.59	73,800	30,800	54,450	30.4	
9/29/2011	1205	9.35	-0.51	68,700	27,500	50,800	27.6	
10/6/2011	1154	9.50	-0.66	78,400	30,000	56,550	30.2	
10/13/2011	1133	10.21	-1.37	75,800	29,300	50,500	30.2	
10/20/2011	1124	8.81	0.03	70,200	27,500	56,850	30.1	
10/27/2011	1143	10.39	-1.55	81,500	28,800	54,600	30.2	
11/3/2011	1123	10.50	-1.66	80,500	30,400	55,900	30.1	
11/10/2011	1033	10.37	-1.53	77,800	27,800	58,700	30.1	
11/17/2011	1133	10.71	-1.87	67,900	30,500	57,000	30.3	
11/25/2011	1014	9.58	-0.74	71,700	27,400	53,300	30.2	
12/1/2011	1214	9.80	-0.96	68,500	33,500	53,650	30.1	
12/8/2011	1133	10.37	-1.53	68,700	27,600	57,850	27.7	
12/15/2011	1144	9.75	-0.91	75,500	28,200	52,000	30.0	
12/22/2011	1114	9.87	-1.03	70,600	27,700	52,100	29.9	
12/29/2011	0954	9.97	-1.13	77,700	29,500	51,600	29.9	
1/5/2012	1153	10.52	-1.68	71,800	28,000	52,800	29.6	
1/12/2012	1133	10.35	-1.51	75,400	30,400	51,900	30.0	
1/19/2012	1033	10.42	-1.58	75,600	29,800	50,200	29.9	
1/26/2012	1123	10.35	-1.51	73,200	29,500	56,000	29.9	
2/2/2012	1123	10.35	-1.51	71,100	27,400	51,200	29.9	
2/10/2012	1104	9.38	-0.54	70,300	28,800	54,900	29.8	
2/16/2012	1254	9.67	-0.83	71,100	27,800	55,200	29.8	
2/23/2012	1124	9.67	-0.83	72,100	30,700	56,200	29.8	
3/1/2012	1114	9.91	-1.07	71,500	31,000	51,200	29.7	
3/8/2012	1139	9.62	-0.78	71,600	30,500	52,800	29.4	
3/16/2012	1114	9.85	-1.01	71,500	34,100	52,400	29.7	
3/22/2012	1144	10.10	-1.26	71,400	30,200	48,700	29.6	
3/29/2012	0949	9.93	-1.09	71,500	28,400	51,200	29.6	
4/5/2012	1241	10.09	-1.25	71,300	28,900	51,100	29.7	
4/12/2012	1154	10.00	-1.16	71,300	29,300	52,600	29.9	
4/19/2012	1109	9.97	-1.13	71,400	31,500	53,300	30.2	
4/26/2012	1042	9.68	-0.84	71,700	31,300	53,000	29.6	
5/3/2012	1109	9.00	-0.16	72,200	34,200	49,500	29.5	
5/10/2012	1142	9.35	-0.51	72,500	31,400	52,000	29.5	
5/17/2012	1032	9.10	-0.26	72,700	30,200	52,300	29.6	
5/24/2012	1302	8.75	0.09	72,600	30,300	52,800	29.5	
5/31/2012	1247	9.07	-0.23	73,100	32,100	48,800	29.6	

ft. btoc: feet below top of casing
TOC: Top of Casing
ft. NAVD 88: North American Vertical Datum of 1988
umhos/cm: micromhos per centimeter
mg/L: milligrams per liter
C: Celsius
Note: TOC elevation is: 8.84 feet NAVD 88

Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1



EW-1 Pad Monitoring Well Water Quality Data
Southwest Pad Monitoring Well
(SW-EW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1414	10.50	-1.62	72,500	26,400	51,500	30.6	Background Sampling
4/29/2011	1025	10.60	-1.72	77,400	28,300	51,600	29.8	
5/5/2011	0930	11.85	-2.97	75,200	29,000	49,400	28.7	
5/11/2011	1124	16.40	-7.52	78,100	28,300	51,050	31.6	
5/19/2011	1202	15.95	-7.07	73,100	29,700	48,450	32.6	
5/26/2011	1155	11.20	-2.32	66,630	27,800	48,350	29.4	
6/2/2011	1035	11.25	-2.37	68,500	26,000	52,600	29.4	
6/9/2011	1319	11.05	-2.17	65,400	26,300	44,150	29.5	
6/16/2011	1154	10.75	-1.87	64,900	27,000	48,450	29.5	
6/23/2011	1214	10.85	-1.97	65,500	30,400	50,800	29.6	
6/30/2011	1119	10.60	-1.72	68,500	24,300	46,650	29.4	
7/8/2011	1045	9.85	-0.97	64,950	25,600	47,650	29.6	
7/14/2011	1445	10.22	-1.34	69,900	24,800	48,300	29.6	
7/21/2011	1154	10.10	-1.22	67,800	27,400	47,900	29.6	
7/28/2011	1259	10.26	-1.38	67,000	26,600	48,650	27.7	
8/4/2011	1157	10.30	-1.42	68,420	25,600	51,350	27.5	
8/11/2011	1243	9.21	-0.33	67,800	26,400	51,150	29.7	
8/18/2011	1219	10.15	-1.27	66,300	25,400	47,500	29.8	
8/25/2011	1219	10.31	-1.43	66,000	26,900	50,150	29.4	
9/1/2011	1254	9.87	-0.99	65,400	25,700	49,450	29.8	
9/8/2011	1229	9.97	-1.09	66,800	26,300	46,500	29.9	
9/16/2011	1329	10.10	-1.22	64,000	25,700	46,800	28.0	
9/23/2011	1309	9.95	-1.07	66,200	25,800	47,500	29.6	
9/29/2011	1230	9.80	-0.92	64,100	25,400	46,150	27.7	
10/6/2011	1259	9.97	-1.09	76,200	25,800	45,800	29.7	
10/13/2011	1239	10.67	-1.79	69,100	26,100	46,700	29.8	
10/20/2011	1229	9.31	-0.43	64,700	23,800	51,100	29.6	
10/27/2011	1249	10.87	-1.99	75,600	26,500	50,000	29.7	
11/3/2011	1229	10.93	-2.05	75,600	27,700	49,750	29.7	
11/10/2011	1139	10.91	-2.03	73,500	25,500	53,300	29.7	
11/17/2011	1238	11.41	-2.53	63,800	26,900	50,400	29.7	
11/25/2011	1119	10.05	-1.17	65,800	24,900	48,950	29.7	
12/1/2011	1323	11.42	-2.54	65,900	29,600	51,100	29.6	
12/8/2011	1239	10.98	-2.10	64,900	24,800	52,450	27.3	
12/15/2011	1247	10.27	-1.39	70,100	24,800	49,700	29.4	
12/22/2011	1219	10.27	-1.39	66,800	24,900	45,600	29.7	
12/29/2011	1059	10.67	-1.79	71,100	26,400	46,300	29.5	
1/5/2012	1259	11.03	-2.15	64,800	24,900	47,600	29.3	
1/12/2012	1234	10.87	-1.99	69,000	25,700	47,000	29.6	
1/19/2012	1104	11.00	-2.12	69,100	24,900	44,200	29.4	
1/26/2012	1154	10.85	-1.97	67,500	25,900	50,100	29.4	
2/2/2012	1154	10.97	-2.09	65,300	25,200	46,200	29.5	
2/10/2012	1134	9.91	-1.03	65,300	25,400	48,900	29.6	
2/16/2012	1324	10.15	-1.27	64,600	24,100	50,500	29.4	
2/23/2012	1154	10.24	-1.36	65,300	24,100	50,500	29.5	
3/1/2012	1144	10.27	-1.39	65,300	26,900	45,900	29.4	
3/8/2012	1209	10.31	-1.43	65,300	27,400	47,700	30.0	
3/16/2012	1144	10.35	-1.47	65,300	29,800	47,200	29.3	
3/22/2012	1214	10.61	-1.73	65,500	27,100	44,600	29.3	
3/29/2012	1019	10.18	-1.30	65,500	26,100	45,900	29.5	
4/5/2012	1309	10.72	-1.84	65,300	25,600	48,200	29.4	
4/12/2012	1224	10.60	-1.72	65,000	27,000	49,700	30.5	
4/19/2012	1211	10.65	-1.77	65,400	28,200	50,800	30.6	
4/26/2012	1109	10.32	-1.44	66,000	30,900	49,800	29.2	
5/3/2012	1214	9.70	-0.82	67,200	30,800	47,700	29.2	
5/10/2012	1209	10.02	-1.14	68,700	30,200	49,600	29.2	
5/17/2012	1100	9.85	-0.97	68,700	27,800	49,200	28.9	
5/24/2012	1330	9.47	-0.59	68,700	28,000	49,600	29.2	
5/31/2012	1314	9.91	-1.03	68,400	28,900	49,400	29.3	

ft. btoc: feet below top of casing

TOC: Top of Casing

ft. NAVD 88: North American Vertical Datum of 1988

umhos/cm: micromhos per centimeter

mg/L: milligrams per liter

C: Celsius

Note: TOC elevation is: 8.88 feet NAVD 88



DZMW-1 Pad Monitoring Well Water Quality Data
Northeast Pad Monitoring Well
(NE-DZMW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	0958	8.15	-1.08	73,100	33,300	52,200	30.1	Background Sampling
3/29/2012	1128	8.23	-1.16	73,000	29,600	51,400	30.1	
4/6/2012	0858	8.30	-1.23	72,200	28,800	51,200	30.1	
4/13/2012	1128	8.25	-1.18	72,300	33,900	53,100	30.2	
4/20/2012	1038	8.20	-1.13	72,000	34,700	54,500	30.1	
4/27/2012	0958	7.95	-0.88	72,100	37,300	55,100	29.8	
5/4/2012	1009	7.22	-0.15	72,400	29,900	51,100	29.8	
5/11/2012	1229	7.65	-0.58	72,300	34,700	53,000	30.0	
5/18/2012	1109	7.43	-0.36	73,500	37,600	51,100	30.3	
5/25/2012	1239	7.33	-0.26	73,900	34,300	54,100	30.1	
6/1/2012	1259	7.45	-0.38	74,000	33,300	51,300	29.9	



ft. btoc:	feet below top of casing
TOC:	Top of Casing
ft. NAVD 88:	North American Vertical Datum of 1988
umhos/cm:	micromhos per centimeter
mg/L:	milligrams per liter
C:	Celsius
Top of Casing Elevation:	7.07 feet NAVD 88



DZMW-1 Pad Monitoring Well Water Quality Data
Southeast Pad Monitoring Well
(SE-DZMW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1033	8.25	-1.08	72,700	33,900	50,500	30.1	Background Sampling
3/29/2012	1303	8.33	-1.16	72,800	29,200	50,400	30.2	
4/6/2012	1028	8.30	-1.13	72,300	29,300	53,300	30.2	
4/13/2012	1303	8.32	-1.15	72,400	33,800	54,600	30.2	
4/20/2012	1213	8.28	-1.11	72,300	31,700	55,400	30.2	
4/27/2012	1133	8.10	-0.93	72,600	34,600	53,900	29.5	
5/4/2012	1141	7.40	-0.23	73,300	29,700	52,700	30.0	
5/11/2012	1403	7.67	-0.50	72,700	34,100	52,000	30.1	
5/18/2012	1240	7.58	-0.41	74,000	33,100	52,000	30.7	
5/25/2012	1415	7.43	-0.26	73,900	32,400	52,600	29.7	
6/1/2012	1119	7.50	-0.33	73,900	32,100	51,300	29.8	

ft. btoc:	feet below top of casing
TOC:	Top of Casing
ft. NAVD 88:	North American Vertical Datum of 1988
umhos/cm:	micromhos per centimeter
mg/L:	milligrams per liter
C:	Celsius
Top of Casing Elevation:	7.17 feet NAVD 88

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1		 				
DZMW-1 Pad Monitoring Well Water Quality Data Southwest Pad Monitoring Well (SW-DZMW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1137	8.34	-0.97	73,300	32,900	50,300	30.1	Background Sampling
3/29/2012	1229	8.38	-1.01	73,100	29,900	50,700	30.2	
4/6/2012	0954	8.50	-1.13	72,000	28,800	52,500	29.9	
4/13/2012	1227	8.52	-1.15	72,000	32,300	54,400	29.9	
4/20/2012	1139	8.45	-1.08	72,100	31,800	53,700	29.9	
4/27/2012	1101	8.25	-0.88	72,600	31,800	55,300	29.9	
5/4/2012	1108	7.60	-0.23	73,200	30,500	52,600	29.6	
5/11/2012	1331	7.95	-0.58	71,500	35,400	53,800	29.5	
5/18/2012	1208	7.82	-0.45	73,800	32,600	51,200	29.9	
5/25/2012	1343	7.68	-0.31	73,900	33,500	53,600	29.8	
6/1/2012	1151	7.71	-0.34	74,100	30,700	51,500	29.5	
<div>ft. btoc: feet below top of casing</div> <div>TOC: Top of Casing</div> <div>ft. NAVD 88: North American Vertical Datum of 1988</div> <div>umhos/cm: micromhos per centimeter</div> <div>mg/L: milligrams per liter</div> <div>C: Celsius</div> <div>Top of Casing Elevation: 7.37 feet NAVD 88</div>								



DZMW-1 Pad Monitoring Well Water Quality Data
Northwest Pad Monitoring Well
(NW-DZMW PMW)

Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1103	8.27	-1.08	73,600	29,500	53,100	29.9	Background Sampling
3/29/2012	1158	8.31	-1.12	73,400	30,100	48,400	30.0	
4/6/2012	0926	8.35	-1.16	72,100	29,200	51,400	29.8	
4/13/2012	1157	8.41	-1.22	72,200	34,600	55,000	30.4	
4/20/2012	1108	8.35	-1.16	72,000	31,400	55,500	29.9	
4/27/2012	1027	8.05	-0.86	72,200	32,200	53,900	29.8	
5/4/2012	1037	7.12	0.07	72,800	30,800	52,400	29.6	
5/11/2012	1258	8.45	-1.26	72,300	33,700	53,000	29.8	
5/18/2012	1137	7.30	-0.11	73,600	35,100	51,800	29.8	
5/25/2012	1309	7.10	0.09	73,400	32,200	53,300	29.7	
6/1/2012	1219	7.25	-0.06	73,800	31,900	52,700	29.6	

ft. btoc:	feet below top of casing
TOC:	Top of Casing
ft. NAVD 88:	North American Vertical Datum of 1988
umhos/cm:	micromhos per centimeter
mg/L:	milligrams per liter
C:	Celsius
Top of Casing Elevation:	7.19 feet NAVD 88

Pilot Hole Cement and Gravel Summary



Cementing Stage	Date	Base of the Cemented Interval (feet bpl)	Volume			Theoretical		Actual Interval Filled (feet)	Actual / Theoretical Filled Interval (percent)	Type of Material (including additives)
			Planned (barrels)	Actual Pumped (barrels)	(cubic feet)	Depth (feet bpl)	Fill (feet)			
Gravel (LZ)	6/4/2012	1905			44.0	1862	43	51	118.6	Gravel (66 5-gallon buckets)
Spot	6/4/2012	1854	3	3	16.8	1835	19	27	142.1	Neat
Stage #1	6/4/2012	1827	80	80	448.8	1553	274	193	70.4	12%
Stage #2	6/5/2012	1634	55	55	308.6	1510	124	101	81.5	12%
Stage #3	6/5/2012	1533	11	11	61.7	1505	28	29	103.6	12%
Gravel (UZ)	6/6/2012	1504			139.0	1445	59	61	103.4	Gravel (208 5-gallon buckets)
Spot	6/6/2012	1443	3	3	16.8	1438	5	4	80.0	Neat
Stage #4	6/6/2012	1439	140	140	785.4	1107	332	198	59.6	12%
	Final tag:	0								
		Total:	292	292	1,821.1					

"Theoretical Fill" is the theoretical linear feet of cement fill based on the volume of cement pumped for that stage (calculated using XY caliper log).

"Actual Interval Filled" refers to the difference between "Tagged Bottom" depths.

"Actual/Theoretical Filled Interval" refers to the "Actual Interval Cemented" divided by the "Theoretical Interval Cemented" as a percentage.

"bpl" denotes below pad level.

Florida Power & Light Company Turkey Point Dual-Zone Monitor Well DZMW-1 Daily Kill Material Log			
Date	Depth (feet bpl)	Kill Used	Approximate Volume (gallons)
5/8/2012	1105	Bentonite /Barite	379
5/11/2012	1344	Bentonite /Barite	379
5/11/2012	1389	Bentonite /Barite	379
5/12/2012	1479	Bentonite /Barite	379
5/12/2012	1524	Bentonite /Barite	379
5/13/2012	1614	Bentonite /Barite	379
5/13/2012	1659	Bentonite /Barite	190
5/13/2012	1704	Bentonite /Barite	284
5/17/2012	1905	Bentonite /Barite	2,842
5/18/2012	1905	Bentonite /Barite	4,548
5/22/2012	1905	Bentonite /Barite	569
6/1/2012	1905	Bentonite /Barite	2,653
6/2/2012	1905	Bentonite /Barite	190
6/3/2012	1905	Bentonite /Barite	3600
feet bpl = feet below pad level			