



L-2011-428
10 CFR 52.3

October 11, 2011

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Re: Florida Power & Light Company
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
Submittal of Underground Injection Control Exploratory
Well Weekly Construction Summaries – #19, #20, and #21

Reference:

1. FPL Letter to NRC, L-2009-265 dated November 24, 2009, Revised Hydrology Response to NRC Information Requests in COL Application Acceptance Review Letter

This letter provides the Underground Injection Control (UIC) weekly construction summaries #19 dated September 16, 2011, #20 dated September 23, 2011, and #21 dated September 30, 2011, submitted to the Florida Department of Environmental Protection (FDEP) as required by Permit #0293962-001-UC, and discussed in FPL's Revised Response to NRC Information Requests in COL Application Acceptance Review Letter (Reference 1).

If you have any questions, or need additional information, please contact me at 561-691-7490.

Sincerely,

A handwritten signature in black ink, appearing to read 'W. Maher', is written over a horizontal line.

William Maher
Senior Licensing Director – New Nuclear Projects

WDM/RFB

Enclosures:

1. Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well Project; Permit #0293962-001-UC Weekly Construction Summary #19 dated September 16, 2011
2. Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well Project; Permit #0293962-001-UC Weekly Construction Summary #20 dated September 23, 2011

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HLO

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3. Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well Project;
Permit #0293962-001-UC Weekly Construction Summary #21 dated
September 30, 2011

cc:

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

Proposed Turkey Point Units 6 and 7
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Enclosure 1

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #19 dated September 16, 2011

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

September 16, 2011

MHCDEP-11-0420

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 #19**

Dear Mr. May:

This is the nineteenth weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, September 8, 2011 and ended at 7:00 AM, Thursday, September 15, 2011. Consultant and drilling contractor daily reports were prepared for this reporting period. Copies of the consultant and drilling contractor daily construction logs are attached.

During the previous reporting period the drilling contractor drilled a pilot hole over the interval from 2,652 feet below pad level (bpl) to 3,205 feet and cored the intervals from 2,652 feet bpl to 2,666 feet bpl and 2,666 feet bpl to 2,679 feet bpl.

During this reporting period, the drilling contractor drilled a pilot hole over the interval from 3,205 feet bpl to 3,219 feet bpl. Most of the reporting period was spent dredging over the interval from 3,205 to 3,211 feet bpl. The dredge material consists primarily of limestone gravel with some dolomite gravel. The dredge zone appears to begin at a depth of approximately 3,202 feet bpl, however, most of the material appears to be coming from a depth of 3,205 feet bpl.

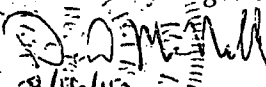
The laboratory data for the pilot hole water samples collected during the previous reporting period are included in the attached pilot hole water quality table. Lithologic samples were collected at 5-foot intervals during pilot hole drilling. A description of the lithologic samples collected during this reporting period is attached. A daily kill material log providing a summary of daily kill material and kill volume is attached.

There was no casing installation, cementing, packer testing, or exploratory well development during this reporting period. There were no construction related issues during this reporting period.

During the next reporting period, it is anticipated that the drilling contractor will complete pilot hole drilling to a depth of 3,500 feet bpl, perform geophysical logging of the pilot hole and begin packer testing of the pilot hole.

In addition, sampling of the pad monitor wells began on April 21, 2011 and has been taking place on a weekly basis since the initial sampling. The pad monitor wells were most recently sampled on September 15, 2011. The most recent set of pad monitoring well sample results available is for samples collected on September 8, 2011. Sampling of the pad monitor wells around EW-1 will continue until drilling and testing of EW-1 has been completed. Copies of the pad monitor well water quality data summary sheets are attached.

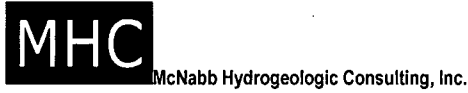
Should you have any questions regarding the above weekly construction summary, please contact David McNabb at (561) 891-0763.

Sincerely,
McNabb Hydrogeologic Consulting, Inc.

9/16/11
David McNabb, P.G.

Attachments: Consultant Daily Construction Log
Layne Christensen Company-Drilling Shift Report
Pad Monitor Well Water Quality Data Summary Sheets
Lithologic Description
Pilot Hole Water Quality
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



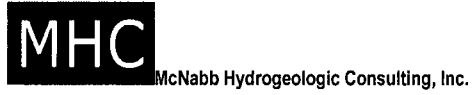
Daily Construction Log

Date: September 8, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,205 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Clear, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,205 feet bpl
Recorded By: Eric Meyer/Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues drilling the pilot hole. The pilot hole depth is 3,205 feet below pad level (bpl) and dredging is occurring.
- 0845 The drilling contractor is dredging the pilot hole at a depth of 3,205 feet bpl.
- 1000 The drilling contractor continues to dredge the pilot hole and has been unable to progress the pilot hole deeper than 3,205 feet bpl. The rock that is being dredged appears to be limestone consisting of near-white, sparry-cemented pellets (few benthic foraminifera), with grain size varying from fine to medium. The rock cuttings/dredge material fills the corner of slurry pit to the water level where the reverse-air discharge (football) is located. Florida Spectrum Environmental Services, Inc. is on site to sample the pad monitoring wells.
- 1115 Dredging the pilot hole at the depth of 3,205 feet bpl continues. The drilling contractor is reworking the bottom three to five feet of the pilot hole.
- 1150 Representatives from the Florida Department of Environmental Protection Underground Injection Control (Joe May, Len Fishkin, and Jeff Vasconcellos) visited the site to check drilling progress.
- 1330 The drilling contractor is dredging the pilot hole at a depth of 3,206 feet bpl.
- 1500 The drilling contractor continues to dredge the pilot hole at a depth of 3,206 feet bpl.
- 1730 The pilot hole is at the depth of 3,210 feet bpl. The formation continues to dredge and the drilling contractor must periodically rework the bottom of the pilot hole to remove rock material.
- 1900 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,209 feet bpl.
- 2245 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,209 feet bpl.
- 0030 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,210 feet bpl.
- 0215 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled back in to a depth of 3,206 feet bpl.



- 0440 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled back in to a depth of 3,205 feet bpl.
- 0530 The drilling contractor continues to dredge the pilot hole.
- 0645 The drilling contractor continues to dredge the pilot hole at a depth of 3,205 feet bpl.



Daily Construction Log

Date: September 9, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,205 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Clear, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,211 feet bpl
Recorded By: Mark McNeal/Sally Durall

CONSTRUCTION ACTIVITIES

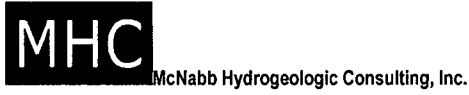
- 0700 The drilling contractor continues drilling the pilot hole. The pilot hole depth is 3,205 feet below pad level (bpl) and dredging is occurring. The primary dredging material appears to be limestone.
- 0845 The drilling contractor is currently dredging at a depth of 3,204 feet bpl.
- 1100 The drilling contractor continues to dredge the pilot hole at a depth of 3,204 feet bpl.
- 1200 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,204 feet bpl.
- 1300 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,205 feet bpl.
- 1400 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,206 feet bpl.
- 1500 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,206 feet bpl.
- 1645 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,206 feet bpl. The pilot hole has been drilled as deep as 3,210 feet bpl today but each time the drilling contractor picks the bit up off bottom the hole fills in approximately four feet.
- 1745 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,206 feet bpl.
- 1900 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of at 3,206 feet bpl.
- 2200 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of at 3,204 feet bpl.
- 0100 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of at 3,206 feet bpl.
- 0230 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of at 3,207 feet bpl.
- 0400 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of at 3,207 feet bpl.



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- 0545 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of at 3,210 feet bpl.
- 0645 Hole depth of the pilot hole has advanced to 3,211 feet bpl. The drilling contractor is currently circulating the borehole above the dredging zone at the depth of 3,178 feet bpl.



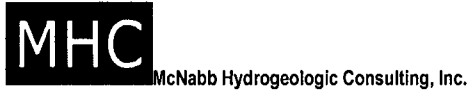
Daily Construction Log

Date: September 10, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,211 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Clear to Partly Cloudy, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,210 feet bpl
Recorded By: Mark McNeal/Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues drilling the pilot hole. The pilot hole depth is 3,211 feet below pad level (bpl) and dredging is occurring. The primary dredging material continues to be limestone.
- 0800 The drilling contractor is dredging the pilot hole. The pilot hole is at the depth of 3,214 feet bpl.
- 1000 The drilling contractor has advanced the pilot hole to a depth of 3,218 feet bpl. Dredging is still occurring but some progress has been made.
- 1100 The drilling contractor is having problems with the bit plugging up. They are attempting to clear the bit to allow reverse-air drilling to proceed. The hole has filled in to 3,210 feet bpl.
- 1200 The drilling contractor is still attempting to re-establish reverse-air circulation.
- 1300 The bit is still plugging up, so the drilling contractor elects to begin tripping out of the well. The drilling contractors plan is to modify the bit to reduce the size of the dredging material that is causing the bit to plug off.
- 1600 Still waiting to trip out of the well. The welder is onsite to make the modifications to the drill bit.
- 1800 The drilling contractor begins to trip out of the borehole with the drill bit.
- 2100 The drilling contractor continues to trip out of the borehole with the drill bit.
- 0000 The drilling contractor continues to trip out of the borehole with the drill bit.
- 0150 The drilling contractor is in the process of killing the well.
- 0315 The drill bit is on the rig floor. The drilling contractor is attempting to clear the drilled cuttings from the drill collars and drill pipe which was plugging off the drill bit.
- 0530 The drilling contractor continues to clear the cuttings from the drill collars and bit.
- 0545 The drilling contractor is in the process of killing the well.
- 0700 The drilling contractor continues to work on cleaning out the drill collars and drill pipe.



Daily Construction Log

Date: September 11, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,210 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Clear, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,211 feet bpl
Recorded By: Mark McNeal/Sally Durall

CONSTRUCTION ACTIVITIES

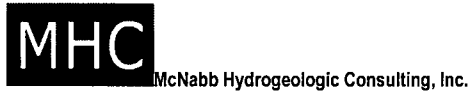
- 0700 The drilling contractor has removed the drill pipe from the hole. The drill collars and drill pipe remains plugged with hard limestone from the dredging zone and they will continue to attempt to break apart the collar to clean the drilled cuttings out.
- 0800 The drilling contractor continues to work on cleaning out the drill collars and drill pipe.
- 1100 The drill pipe and collars are all now cleared of cuttings. Approximately 180 feet of drill pipe was full of cuttings in total. The drilling contractor is preparing to trip back in the hole to bottom with the modified bit to resume drilling the 12 1/4-inch diameter pilot hole.
- 1400 The drilling contractor continues to trip drill pipe and bit into borehole.
- 1600 The drilling contractor continues to trip drill pipe and bit into borehole.
- 1730 The drilling contractor has tripped all but one drill pipe stand into the borehole and currently circulating.
- 2030 The drilling contractor has tagged the bottom of the borehole at a depth of 3,210 feet below pad level (bpl) and immediately had a loss of air line pressure while attempting to resume drilling the pilot hole. The drilling contractor continues dredging the pilot hole.
- 2130 The drilling contractor is in the process of killing the well to replace the rubber seal on the rotating head.
- 0130 The drilling contractor resumes dredging the pilot hole. The pilot hole is at the depth of 3,209 feet bpl.
- 0240 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,209 feet bpl.
- 0350 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,209 feet bpl.
- 0500 The drilling contractor has drilled the pilot hole to the depth of 3,211 feet bpl.
- 0535 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,211 feet bpl.



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0700 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.



Daily Construction Log

Date: September 12, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,211 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Clear to Partly Cloudy, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,201 feet bpl
Recorded By: David McNabb/Sally Durall

CONSTRUCTION ACTIVITIES

0700 The drilling contractor is dredging the pilot hole at a depth of 3,211 feet below pad level (bpl).

0810 The drilling contractor continues to dredge the pilot hole.

1000 The drilling contractor continues to dredge the pilot hole.

1120 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.

1200 The drilling contractor continues to dredge the pilot hole.

1320 The drilling contractor continues to dredge the pilot hole.

1350 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,206 feet bpl.

1440 The drilling contractor continues to dredge the pilot hole.

1530 The drilling contractor continues to dredge the pilot hole.

1620 The drilling contractor continues to dredge the pilot hole.

1710 The drilling contractor continues to dredge the pilot hole.

1830 The drilling contractor continues to dredge the pilot hole.

1945 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,206 feet bpl.

2200 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled back in to the depth of 3,203 feet bpl.

2345 The drilling contractor continues to dredge the pilot hole.

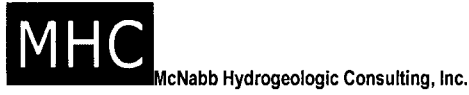
0125 The drilling contractor continues to dredge the pilot hole.

0245 The drilling contractor continues to dredge the pilot hole.

0400 The drilling contractor continues to dredge the pilot hole.

0520 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,204 feet bpl.

0700 The drilling contractor is dredging at a depth of 3,201 feet bpl. They lost a few feet of hole in the last hour.



Daily Construction Log

Date: September 13, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,201 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,205 feet bpl
Recorded By: David McNabb/Sally Durall

CONSTRUCTION ACTIVITIES

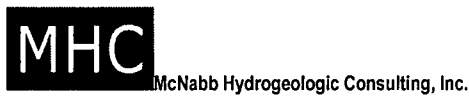
- 0700 The drilling contractor is dredging the pilot hole at a depth of 3,201 feet below pad level (bpl).
- 0800 The drilling contractor continues to dredge the pilot hole.
- 0910 The drilling contractor continues to dredge the pilot hole. They are still at a depth of 3,202 feet bpl.
- 1100 The drilling contractor continues to dredge the pilot hole. They are still at a depth of 3,202 feet bpl.
- 1200 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,204 feet bpl.
- 1305 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,202 feet bpl.
- 1400 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,204 feet bpl.
- 1525 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 1635 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,208 feet bpl.
- 1730 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 1830 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 2030 The drilling contractor continues to dredge the pilot hole. The pilot hole is at the depth of 3,205 feet bpl.
- 2245 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled in to the depth of 3,204 feet bpl.
- 0030 The drilling contractor continues to dredge the pilot hole.
- 0150 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled in to the depth of 3,204 feet bpl.
- 0325 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled in to the depth of 3,204 feet bpl.



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- 0500 The drilling contractor continues to dredge the pilot hole. The pilot hole has filled in to the depth of 3,204 feet bpl.
- 0700 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.



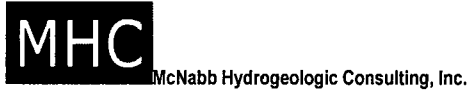
Daily Construction Log

Date: September 14, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,205 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,219 feet bpl
Recorded By: David McNabb/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is dredging the pilot hole at a depth of 3,205 feet below pad level (bpl). The pilot hole depth has been drilled to a depth of 3,218 feet bpl but dredging was occurring, filling the hole back in to approximately 3,205 feet bpl.
- 0900 The drilling contractor continues to dredge the pilot hole. They are still at a depth of 3,203 feet bpl.
- 1040 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 1155 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 1340 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 1430 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,204 feet bpl.
- 1505 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 1630 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,210 feet bpl.
- 1730 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,208 feet bpl.
- 1900 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 2200 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,207 feet bpl.
- 0200 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,205 feet bpl.
- 0400 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,207 feet bpl.
- 0500 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,208 feet bpl.



- 0530 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,211 feet bpl.
- 0630 The drilling contractor continues to dredge the pilot hole but the dredging is decreasing considerably. They are at a depth of 3,218 feet bpl.
- 0700 They are at a depth of 3,219 feet bpl. The hole above a depth of 3,210 feet bpl appears to be cleaned out. The interval from 3,210 to 3,219 feet bpl is dredging.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: FPL Proposed Turkey Point Units 6 and 7 DATE: 9/10/11 JOB #: 11771
JOB SITE NAME: FW1 Docket Nos. 52-040 and 52-041 L-2011-428 Enclosure 1 Page 21 of 36 SET Night-Shift JOB SITE LOCATION: Turkey Point

PERSONNEL EMPLOYED TODAY

Table with columns: Crew Assignment, Employee - Full Name, Per Diem? (X), Onsite Hours, Offsite Hours, Total Hours. Includes entries for George Haga, Mike Ramirez, Andrew Popov, and Marko Perez Cesar.

FULLTIME EMPLOYED TODAY

Table with columns: Description, Unit #, Status. Includes sub-tables for Working (WK), Standby (SB), Down-in Shop (DS), Down on Site (DN), Mobilization (MB), Demobilization (DM), Available in Yard (AY), and Available on Job (AV).

DAILY ACQUISITION OF ACTIVITIES BY ITEM #

Large table with columns: Item #, Cost Code, Labor Activity, Hours. Lists activities from 1 to 45, including items like 'Short Duration Job', 'Ditch Mob/Demob', 'Safety Meeting', 'Drilling - Overhead', etc.

MATERIALS USED TODAY

Table with columns: Quantity, Description. Includes handwritten entries: '1st Safety Meeting Visual hazard ID.' and '2nd Safety Meeting Hira Thinking Process'.

TIME OF ACTIVITY BY ITEM #

Table with columns: From, To, Code One, Item #. Shows time slots for various activities.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Trip (35) Stands and one collar out of (2) stands and (1) collar completely full of cuttings. Clean out (2) stands. break 1 1/4 bit start to plug collar have to break collar down and work it with water hose. Used 2 bags of salt after pulling saw west side of the well and move bags.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT FPL Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
JOB SITE NAME EWZ L-2011-428 Enclosure 1 Page 28 of 36

DATE 9-14-11
WED. DAYS

JOB # 11771
JOB SITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

| Crew Assignment | Employee - Full Name | Per Diem? (X) | Onsite Hours | Offsite Hours | Total Hours |
|-----------------|-----------------------|---------------|--------------|---------------|-------------|
| <u>Office</u> | <u>Danny Keeley</u> | <u>X</u> | <u>12</u> | | <u>12</u> |
| <u>JP</u> | <u>James Payne</u> | <u>X</u> | <u>12</u> | | <u>12</u> |
| <u>R/E</u> | <u>Bob Feetham</u> | <u>X</u> | <u>12</u> | | <u>12</u> |
| <u>W/P</u> | <u>Billy Crawford</u> | <u>X</u> | <u>12</u> | | <u>12</u> |

EQUIPMENT USED TODAY

| Description | Unit # | Status |
|--------------|--------|-------------------|
| 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 # | Code | Description | Hours |
|--------|-------|--------------------------------|-------|
| 1 | 10000 | Start Drucker Job | |
| 2 | 11000 | Check hole, records | |
| 3 | 11100 | Set Pumps etc | |
| 4 | 11200 | Set up, May Day | |
| 5 | 11300 | Trailing - Overhead | |
| 6 | 11400 | Setup, Combs etc | |
| 7 | 11500 | Preparation - Overhead | |
| 8 | 11600 | Prep - 2000 ft hole | |
| 9 | 11700 | Start Circulation | |
| 10 | 11800 | Install Sump Hole | |
| 11 | 11900 | Install Driller Pad | |
| 12 | 12000 | Install Hydraulic Casing | |
| 13 | 12100 | Install Roadway & Drill Pad | |
| 14 | 12200 | Test (log) Drilling | |
| 15 | 12300 | Monitor Drilling & Circulation | |
| 16 | 12400 | Apply Jetting | |
| 17 | 12500 | Monitor Circulation | |
| 18 | 12600 | Prep for Well Installation | |
| 19 | 12700 | Install Circulation Pump | |
| 20 | 12800 | Drill Pilot Hole | |
| 21 | 12900 | Preparation for Drilling | |
| 22 | 13000 | Prep for Drilling | |
| 23 | 13100 | Monitor Circulation | |
| 24 | 13200 | Prep for Drilling | |
| 25 | 13300 | Install Casing | |
| 26 | 13400 | Monitor Circulation | |
| 27 | 13500 | Prep for Drilling | |
| 28 | 13600 | Monitor Circulation | |
| 29 | 13700 | Monitor Circulation | |
| 30 | 13800 | Monitor Circulation | |
| 31 | 13900 | Monitor Circulation | |
| 32 | 14000 | Monitor Circulation | |
| 33 | 14100 | Monitor Circulation | |
| 34 | 14200 | Monitor Circulation | |
| 35 | 14300 | Monitor Circulation | |
| 36 | 14400 | Monitor Circulation | |
| 37 | 14500 | Monitor Circulation | |
| 38 | 14600 | Monitor Circulation | |
| 39 | 14700 | Monitor Circulation | |
| 40 | 14800 | Monitor Circulation | |
| 41 | 14900 | Monitor Circulation | |
| 42 | 15000 | Monitor Circulation | |
| 43 | 15100 | Monitor Circulation | |
| 44 | 15200 | Monitor Circulation | |
| 45 | 15300 | Monitor Circulation | |
| 46 | 15400 | Monitor Circulation | |
| 47 | 15500 | Monitor Circulation | |
| 48 | 15600 | Monitor Circulation | |
| 49 | 15700 | Monitor Circulation | |
| 50 | 15800 | Monitor Circulation | |
| 51 | 15900 | Monitor Circulation | |
| 52 | 16000 | Monitor Circulation | |
| 53 | 16100 | Monitor Circulation | |
| 54 | 16200 | Monitor Circulation | |
| 55 | 16300 | Monitor Circulation | |
| 56 | 16400 | Monitor Circulation | |
| 57 | 16500 | Monitor Circulation | |
| 58 | 16600 | Monitor Circulation | |
| 59 | 16700 | Monitor Circulation | |
| 60 | 16800 | Monitor Circulation | |
| 61 | 16900 | Monitor Circulation | |
| 62 | 17000 | Monitor Circulation | |
| 63 | 17100 | Monitor Circulation | |
| 64 | 17200 | Monitor Circulation | |
| 65 | 17300 | Monitor Circulation | |
| 66 | 17400 | Monitor Circulation | |
| 67 | 17500 | Monitor Circulation | |
| 68 | 17600 | Monitor Circulation | |
| 69 | 17700 | Monitor Circulation | |
| 70 | 17800 | Monitor Circulation | |
| 71 | 17900 | Monitor Circulation | |
| 72 | 18000 | Monitor Circulation | |
| 73 | 18100 | Monitor Circulation | |
| 74 | 18200 | Monitor Circulation | |
| 75 | 18300 | Monitor Circulation | |
| 76 | 18400 | Monitor Circulation | |
| 77 | 18500 | Monitor Circulation | |
| 78 | 18600 | Monitor Circulation | |
| 79 | 18700 | Monitor Circulation | |
| 80 | 18800 | Monitor Circulation | |
| 81 | 18900 | Monitor Circulation | |
| 82 | 19000 | Monitor Circulation | |
| 83 | 19100 | Monitor Circulation | |
| 84 | 19200 | Monitor Circulation | |
| 85 | 19300 | Monitor Circulation | |
| 86 | 19400 | Monitor Circulation | |
| 87 | 19500 | Monitor Circulation | |
| 88 | 19600 | Monitor Circulation | |
| 89 | 19700 | Monitor Circulation | |
| 90 | 19800 | Monitor Circulation | |
| 91 | 19900 | Monitor Circulation | |
| 92 | 20000 | Monitor Circulation | |
| 93 | 20100 | Monitor Circulation | |
| 94 | 20200 | Monitor Circulation | |
| 95 | 20300 | Monitor Circulation | |
| 96 | 20400 | Monitor Circulation | |
| 97 | 20500 | Monitor Circulation | |
| 98 | 20600 | Monitor Circulation | |
| 99 | 20700 | Monitor Circulation | |
| 100 | 20800 | Monitor Circulation | |
| 101 | 20900 | Monitor Circulation | |
| 102 | 21000 | Monitor Circulation | |
| 103 | 21100 | Monitor Circulation | |
| 104 | 21200 | Monitor Circulation | |
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| 106 | 21400 | Monitor Circulation | |
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| 109 | 21700 | Monitor Circulation | |
| 110 | 21800 | Monitor Circulation | |
| 111 | 21900 | Monitor Circulation | |
| 112 | 22000 | Monitor Circulation | |
| 113 | 22100 | Monitor Circulation | |
| 114 | 22200 | Monitor Circulation | |
| 115 | 22300 | Monitor Circulation | |
| 116 | 22400 | Monitor Circulation | |
| 117 | 22500 | Monitor Circulation | |
| 118 | 22600 | Monitor Circulation | |
| 119 | 22700 | Monitor Circulation | |
| 120 | 22800 | Monitor Circulation | |
| 121 | 22900 | Monitor Circulation | |
| 122 | 23000 | Monitor Circulation | |
| 123 | 23100 | Monitor Circulation | |
| 124 | 23200 | Monitor Circulation | |
| 125 | 23300 | Monitor Circulation | |
| 126 | 23400 | Monitor Circulation | |
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| 129 | 23700 | Monitor Circulation | |
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| 131 | 23900 | Monitor Circulation | |
| 132 | 24000 | Monitor Circulation | |
| 133 | 24100 | Monitor Circulation | |
| 134 | 24200 | Monitor Circulation | |
| 135 | 24300 | Monitor Circulation | |
| 136 | 24400 | Monitor Circulation | |
| 137 | 24500 | Monitor Circulation | |
| 138 | 24600 | Monitor Circulation | |
| 139 | 24700 | Monitor Circulation | |
| 140 | 24800 | Monitor Circulation | |
| 141 | 24900 | Monitor Circulation | |
| 142 | 25000 | Monitor Circulation | |
| 143 | 25100 | Monitor Circulation | |
| 144 | 25200 | Monitor Circulation | |
| 145 | 25300 | Monitor Circulation | |
| 146 | 25400 | Monitor Circulation | |
| 147 | 25500 | Monitor Circulation | |
| 148 | 25600 | Monitor Circulation | |
| 149 | 25700 | Monitor Circulation | |
| 150 | 25800 | Monitor Circulation | |
| 151 | 25900 | Monitor Circulation | |
| 152 | 26000 | Monitor Circulation | |
| 153 | 26100 | Monitor Circulation | |
| 154 | 26200 | Monitor Circulation | |
| 155 | 26300 | Monitor Circulation | |
| 156 | 26400 | Monitor Circulation | |
| 157 | 26500 | Monitor Circulation | |
| 158 | 26600 | Monitor Circulation | |
| 159 | 26700 | Monitor Circulation | |
| 160 | 26800 | Monitor Circulation | |
| 161 | 26900 | Monitor Circulation | |
| 162 | 27000 | Monitor Circulation | |
| 163 | 27100 | Monitor Circulation | |
| 164 | 27200 | Monitor Circulation | |
| 165 | 27300 | Monitor Circulation | |
| 166 | 27400 | Monitor Circulation | |
| 167 | 27500 | Monitor Circulation | |
| 168 | 27600 | Monitor Circulation | |
| 169 | 27700 | Monitor Circulation | |
| 170 | 27800 | Monitor Circulation | |
| 171 | 27900 | Monitor Circulation | |
| 172 | 28000 | Monitor Circulation | |
| 173 | 28100 | Monitor Circulation | |
| 174 | 28200 | Monitor Circulation | |
| 175 | 28300 | Monitor Circulation | |
| 176 | 28400 | Monitor Circulation | |
| 177 | 28500 | Monitor Circulation | |
| 178 | 28600 | Monitor Circulation | |
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| 180 | 28800 | Monitor Circulation | |
| 181 | 28900 | Monitor Circulation | |
| 182 | 29000 | Monitor Circulation | |
| 183 | 29100 | Monitor Circulation | |
| 184 | 29200 | Monitor Circulation | |
| 185 | 29300 | Monitor Circulation | |
| 186 | 29400 | Monitor Circulation | |
| 187 | 29500 | Monitor Circulation | |
| 188 | 29600 | Monitor Circulation | |
| 189 | 29700 | Monitor Circulation | |
| 190 | 29800 | Monitor Circulation | |
| 191 | 29900 | Monitor Circulation | |
| 192 | 30000 | Monitor Circulation | |
| 193 | 30100 | Monitor Circulation | |
| 194 | 30200 | Monitor Circulation | |
| 195 | 30300 | Monitor Circulation | |
| 196 | 30400 | Monitor Circulation | |
| 197 | 30500 | Monitor Circulation | |
| 198 | 30600 | Monitor Circulation | |
| 199 | 30700 | Monitor Circulation | |
| 200 | 30800 | Monitor Circulation | |
| 201 | 30900 | Monitor Circulation | |
| 202 | 31000 | Monitor Circulation | |
| 203 | 31100 | Monitor Circulation | |
| 204 | 31200 | Monitor Circulation | |
| 205 | 31300 | Monitor Circulation | |
| 206 | 31400 | Monitor Circulation | |
| 207 | 31500 | Monitor Circulation | |
| 208 | 31600 | Monitor Circulation | |
| 209 | 31700 | Monitor Circulation | |
| 210 | 31800 | Monitor Circulation | |
| 211 | 31900 | Monitor Circulation | |
| 212 | 32000 | Monitor Circulation | |
| 213 | 32100 | Monitor Circulation | |
| 214 | 32200 | Monitor Circulation | |
| 215 | 32300 | Monitor Circulation | |
| 216 | 32400 | Monitor Circulation | |
| 217 | 32500 | Monitor Circulation | |
| 218 | 32600 | Monitor Circulation | |
| 219 | 32700 | Monitor Circulation | |
| 220 | 32800 | Monitor Circulation | |
| 221 | 32900 | Monitor Circulation | |
| 222 | 33000 | Monitor Circulation | |
| 223 | 33100 | Monitor Circulation | |
| 224 | 33200 | Monitor Circulation | |
| 225 | 33300 | Monitor Circulation | |
| 226 | 33400 | Monitor Circulation | |
| 227 | 33500 | Monitor Circulation | |
| 228 | 33600 | Monitor Circulation | |
| 229 | 33700 | Monitor Circulation | |
| 230 | 33800 | Monitor Circulation | |
| 231 | 33900 | Monitor Circulation | |
| 232 | 34000 | Monitor Circulation | |
| 233 | 34100 | Monitor Circulation | |
| 234 | 34200 | Monitor Circulation | |
| 235 | 34300 | Monitor Circulation | |
| 236 | 34400 | Monitor Circulation | |
| 237 | 34500 | Monitor Circulation | |
| 238 | 34600 | Monitor Circulation | |
| 239 | 34700 | Monitor Circulation | |
| 240 | 34800 | Monitor Circulation | |
| 241 | 34900 | Monitor Circulation | |
| 242 | 35000 | Monitor Circulation | |
| 243 | 35100 | Monitor Circulation | |
| 244 | 35200 | Monitor Circulation | |
| 245 | 35300 | Monitor Circulation | |
| 246 | 35400 | Monitor Circulation | |
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| 248 | 35600 | Monitor Circulation | |
| 249 | 35700 | Monitor Circulation | |
| 250 | 35800 | Monitor Circulation | |
| 251 | 35900 | Monitor Circulation | |
| 252 | 36000 | Monitor Circulation | |
| 253 | 36100 | Monitor Circulation | |
| 254 | 36200 | Monitor Circulation | |
| 255 | 36300 | Monitor Circulation | |
| 256 | 36400 | Monitor Circulation | |
| 257 | 36500 | Monitor Circulation | |
| 258 | 36600 | Monitor Circulation | |
| 259 | 36700 | Monitor Circulation | |
| 260 | 36800 | Monitor Circulation | |
| 261 | 36900 | Monitor Circulation | |
| 262 | 37000 | Monitor Circulation | |
| 263 | 37100 | Monitor Circulation | |
| 264 | 37200 | Monitor Circulation | |
| 265 | 37300 | Monitor Circulation | |
| 266 | 37400 | Monitor Circulation | |
| 267 | 37500 | Monitor Circulation | |
| 268 | 37600 | Monitor Circulation | |
| 269 | 37700 | Monitor Circulation | |
| 270 | 37800 | Monitor Circulation | |
| 271 | 37900 | Monitor Circulation | |
| 272 | 38000 | Monitor Circulation | |
| 273 | 38100 | Monitor Circulation | |
| 274 | 38200 | Monitor Circulation | |
| 275 | 38300 | Monitor Circulation | |
| 276 | 38400 | Monitor Circulation | |
| 277 | 38500 | Monitor Circulation | |
| 278 | 38600 | Monitor Circulation | |
| 279 | 38700 | Monitor Circulation | |
| 280 | 38800 | Monitor Circulation | |
| 281 | 38900 | Monitor Circulation | |
| 282 | 39000 | Monitor Circulation | |
| 283 | 39100 | Monitor Circulation | |
| 284 | 39200 | Monitor Circulation | |
| 285 | 39300 | Monitor Circulation | |
| 286 | 39400 | Monitor Circulation | |
| 287 | 39500 | Monitor Circulation | |
| 288 | 39600 | Monitor Circulation | |
| 289 | 39700 | Monitor Circulation | |
| 290 | 39800 | Monitor Circulation | |
| 291 | 39900 | Monitor Circulation | |
| 292 | 40000 | Monitor Circulation | |
| 293 | 40100 | Monitor Circulation | |
| 294 | 40200 | Monitor Circulation | |
| 295 | 40300 | Monitor Circulation | |
| 296 | 40400 | Monitor Circulation | |
| 297 | 40500 | Monitor Circulation | |
| 298 | 40600 | Monitor Circulation | |
| 299 | 40700 | Monitor Circulation | |
| 300 | 40800 | Monitor Circulation | |
| 301 | 40900 | Monitor Circulation | |
| 302 | 41000 | Monitor Circulation | |
| 303 | 41100 | Monitor Circulation | |
| 304 | 41200 | Monitor Circulation | |
| 305 | 41300 | Monitor Circulation | |
| 306 | 41400 | Monitor Circulation | |
| 307 | 41500 | Monitor Circulation | |
| 308 | 41600 | Monitor Circulation | |
| 309 | 41700 | Monitor Circulation | |
| 310 | 41800 | Monitor Circulation | |
| 311 | 41900 | Monitor Circulation | |
| 312 | 42000 | Monitor Circulation | |
| 313 | 42100 | Monitor Circulation | |
| 314 | 42200 | Monitor Circulation | |
| 315 | 42300 | Monitor Circulation | |
| 316 | 42400 | Monitor Circulation | |
| 317 | 42500 | Monitor Circulation | |
| 318 | 42600 | Monitor Circulation | |
| 319 | 42700 | Monitor Circulation | |
| 320 | 42800 | Monitor Circulation | |
| 321 | 42900 | Monitor Circulation | |
| 322 | 43000 | Monitor Circulation | |
| 323 | 43100 | Monitor Circulation | |
| 324 | 43200 | Monitor Circulation | |
| | | | |



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: F.P.L. Proposed Turkey Point Units 6 and 7
Bucket Nos. 52-040 and 52-041
JOB SITE NAME: Enza L-2011-428 Enclosure 1 Page 29 of 36

DATE: 9-14-2011
WED NIGHT

JOB # 11771

JOB SITE LOCATION: T.P.
LOCAL DISTRICT: (blank)

EQUIPMENT DEPLOYED TODAY

Table with columns: Crew Assignment, Employee - Full Name, Per Diem? (X), Onsite Hours, Offsite Hours, Total Hours. Includes names: BOBIT GULOMOV, VIAD ISHIMOV, JOAN LOPEZ, IGOR POPOV.

Table with columns: Description, Unit#, Status. Includes sub-tables for Working, Standby, Down in Shop, Down on Site, Mobilization, Demobilization, Available in Yard, Available on Job.

Main activity log table with columns: Item #, Unit Code, Description, Hours. Lists various activities like 'Install Down Rod', 'Geophysical Logging', 'Install Roadway & Drift Pad'.

MATERIALS USED TODAY

Table with columns: Quantity, Description. Includes handwritten entries: SAFETY MTG, CHOKING, RESCUE BREATHING AND CPR, CONSCIOUS CHOKING.

TIME OF ACTIVITY BY ITEM #

Table with columns: From, To, Circle One (AM/PM), Item #. Shows time intervals for various items.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Drill 12 1/4 Bit, Dredging, keep loosening air pressure 3205' BPL to 3211' BPL keep working in that depth. Serviced the wash pipe. Training how to control the trackhoe 3205' to 3211' is clean. 3211' to 3219' working this depth, dredging loosening air pressure

Signature and date 9-14-11

9-14-11

Client's Signature

PAYROLL

Date

Signature and date 9-14-11

9-14-11


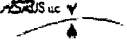
Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1





**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 | |

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

| 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 | |
| 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 | |
| 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 | |

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

| MHC | | | Florida Power & Light Company |  |
|-------------------------------|-----------------|-------|--|---|
| Turkey Point | | | | |
| Exploratory Well EW-1 | | | | |
| Lithologic Description | | | | |
| Date | Depth (ft. bpl) | | Observer's Description | |
| | From | To | | |
| 9/8/2011 | 3,200 | 3,205 | Limestone: 100%, very pale orange (10YR 8/2) to white (N9), fine to medium grained, poorly indurated, low to moderate porosity, low to moderate permeability, mostly pellets with few benthic foraminifera. sparry calcite cement. | |
| 9/9/2011 | 3,205 | 3,210 | Limestone: same as above. | |
| 9/10/2011 | 3,210 | 3,215 | Limestone: same as above. | |
| | | | | |

ft. bpl = feet below pad level

Florida Power & Light Company
Turkey Point
Exploratory Well EW-1
Pilot Hole Water Quality

| Sample Date | Depth (ft bpl) | Conductivity (umhos/cm) | Total Dissolved Solids (mg/L) | Chlorides (mg/L) | Ammonia (mg/L) | Total Kjeldahl Nitrogen (mg/L) |
|-------------|----------------|-------------------------|-------------------------------|------------------|----------------|--------------------------------|
| 6/30/2011 | 1,100 | 1,228 | 610 | 61.3 | 0.04 | 0.55 |
| 7/1/2011 | 1,190 | 1,177 | 768 | 85.5 | 0.06 | 0.59 |
| 7/1/2011 | 1,255 | 1,167 | 776 | 97.3 | 0.03 | 0.56 |
| 7/1/2011 | 1,345 | 2,420 | 1,428 | 551 | 0.06 | 0.42 |
| 7/1/2011 | 1,435 | 2,900 | 1,736 | 640 | 0.08 | 0.44 |
| 7/2/2011 | 1,525 | 6,760 | 4,168 | 2,045 | 0.09 | 0.35 |
| 7/3/2011 | 1,615 | 5,660 | 3,548 | 1,670 | 0.08 | 0.45 |
| 8/13/2011 | 1,704 | 9,500 | 5,688 | 3,120 | U | 0.56 |
| 8/15/2011 | 1,794 | 14,670 | 9,260 | 5,010 | U | 0.57 |
| 8/16/2011 | 1,884 | 20,400 | 13,520 | 7,180 | U | 0.38 |
| 8/17/2011 | 1,974 | 25,190 | 16,910 | 9,160 | U | 0.22 |
| 8/19/2011 | 2,064 | 37,000 | 24,280 | 14,400 | U | 0.71(I) |
| 8/21/2011 | 2,154 | 30,000 | 18,525 | 11,000 | U | 0.32 |
| 8/21/2011 | 2,244 | 32,100 | 16,967 | 11,500 | U | 0.17 |
| 8/23/2011 | 2,334 | 60,100 | 40,400 | 26,000 | U | 0.44 |
| 8/25/2011 | 2,424 | 38,200 | 23,200 | 14,200 | U | 0.17 |
| 8/26/2011 | 2,514 | 39,130 | 26,867 | 14,200 | U | 0.18 |
| 8/29/2011 | 2,604 | 48,400 | 32,767 | 17,400 | U | 0.13 |
| 9/4/2011 | 2,694 | 63,800 | 41,500 | 27,200 | U | 0.12 |
| 9/4/2011 | 2,784 | 59,600 | 40,400 | 25,800 | U | 0.12 |
| 9/5/2011 | 2,874 | 52,200 | 34,000 | 25,600 | U | 0.25 |
| 9/5/2011 | 2,964 | 47,240 | 31,200 | 17,900 | U | 0.28 |
| 9/6/2011 | 3,054 | 50,000 | 32,000 | 19,500 | U | 0.25 |
| 9/6/2011 | 3,144 | 49,900 | 33,100 | 19,500 | U | 0.47 |

ft bpl = feet below pad level
umhos/cm - micromhos per centimeter
mg/L = milligrams per liter
I= Value is between MDL and PQL
U = undetected
Note: Pilot hole water quality may be influenced by salt used to control artesian head.

**Florida Power & Light Company
Turkey Point
Exploratory Well EW-1
Daily Kill Material Log**

| Date | Depth (feet bpl) | Kill Used | Approximate Volume (gallons) | Approximate Quantity (pounds) |
|-----------|---------------------|----------------------------|---------------------------------|----------------------------------|
| 7/7/2011 | 1655 | Bentonite /Barite | 569 | |
| 7/8/2011 | 1655 | Bentonite /Barite | 6,064 | |
| 7/9/2011 | 1655 | Bentonite /Barite | 2,085 | |
| 7/10/2011 | 1655 | Bentonite /Barite | 1,137 | |
| 7/11/2011 | 1655 | Bentonite /Barite | 9,475 | |
| 7/12/2011 | 1655 | Bentonite /Barite | 759 | |
| 7/13/2011 | 1655 | Bentonite /Barite | 4,548 | |
| 7/15/2011 | 1655 | Bentonite /Barite | 1,925 | |
| 7/16/2011 | 1655 | Bentonite /Barite | 2,200 | |
| 7/17/2011 | 1655 | Bentonite /Barite | 284 | |
| 7/18/2011 | 1655 | Bentonite /Barite | 275 | |
| 7/19/2011 | 1655 | Bentonite /Barite | 275 | |
| 7/31/2011 | 1542 | Bentonite /Barite | 18,950 | |
| 8/1/2011 | 1542 | Bentonite /Barite | 4,548 | |
| 8/2/2011 | 1542 | Bentonite /Barite | 284 | |
| 8/5/2011 | 1542 | Bentonite /Barite | 4,548 | |
| 8/6/2011 | 1542 | Bentonite /Barite | 2,274 | |
| 8/10/2011 | 1542 | Bentonite /Barite | 6,443 | |
| 8/10/2011 | 1542 | Salt | | 2,000 |
| 8/13/2011 | 1722 | Bentonite /Barite | 6,250 | |
| 8/14/2011 | 1722 | Bentonite /Barite | 379 | |
| 8/17/2011 | 2026 | Salt | | 2,000 |
| 8/18/2011 | 2026 | Bentonite /Barite | 379 | 2,000 |
| 8/19/2011 | 2110 | Bentonite/Barite and Salt | 570 | 2,000 |
| 8/20/2011 | 2110 | Bentonite /Barite and Salt | 189 | 4,000 |
| 8/21/2011 | 2288 | Salt | | 6,000 |
| 8/22/2011 | 2288 | Salt | | 4,000 |
| 8/24/2011 | 2396 | Bentonite /Barite and Salt | 379 | 2,000 |
| 8/25/2011 | 2396 | Salt | | 4,000 |
| 8/26/2011 | 2576 | Bentonite /Barite and Salt | 379 | 2,000 |
| 8/28/2011 | 2580 | Bentonite /Barite and Salt | 379 | 6,000 |
| 8/30/2011 | 2638 | Salt | | 4,000 |
| 8/31/2011 | 2638 | Bentonite /Barite/Salt | 569 | 2,000 |
| 9/1/2011 | 2652 | Bentonite /Barite | 379 | |
| 9/2/2011 | 2666 | Salt | | 2,000 |
| 9/3/2011 | 2666 | Bentonite /Barite | 569 | |
| 9/10/2011 | 3214 | Salt | | 6,000 |
| 9/11/2011 | 3210 | Salt | | 4,000 |
| | | | | |
| | | | | |

feet bpl = feet below pad level

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-428 Enclosure 2 Page 1 of 33

Enclosure 2

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #20 dated September 23, 2011

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

September 23, 2011

MHCDEP-11-0434

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 #20**

Dear Mr. May:

This is the twentieth weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, September 15, 2011 and ended at 7:00 AM, Thursday, September 22, 2011. Consultant and drilling contractor daily reports were prepared for this reporting period. Copies of the consultant and drilling contractor daily construction logs are attached.

During the previous reporting period the drilling contractor drilled a pilot hole over the interval from 3,205 feet to 3,219 feet below pad level (bpl) and dredged the pilot hole over the interval from 3,205 to 3,211 feet bpl.

During this reporting period, the drilling contractor drilled a pilot hole over the interval from 3,219 feet bpl to 3,227 feet bpl. Most of the reporting period was spent dredging over the interval primarily from approximately 3,205 to 3,220 feet bpl. The dredge material consists primarily of limestone gravel with some dolomite gravel. The dredge zone appears to begin at a depth of approximately 3,205 feet bpl.

Lithologic samples were collected at 5-foot intervals during pilot hole drilling. A description of the lithologic samples collected during this reporting period is attached. A daily kill material log providing a summary of daily kill material and kill volume is also attached.

There was no casing installation, pilot hole water sample collection, cementing, packer testing, or exploratory well development during this reporting period. There were no construction related issues during this reporting period.

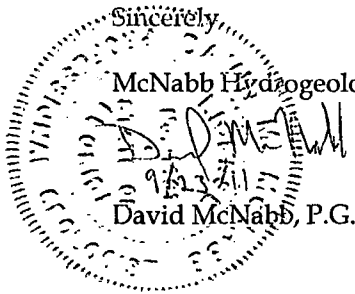
During the next reporting period, it is anticipated that the drilling contractor will complete pilot hole drilling to a depth of 3,500 feet bpl, perform geophysical logging of the pilot hole and begin packer testing of the pilot hole unless dredging of the pilot hole continues.

In addition, sampling of the pad monitor wells began on April 21, 2011 and has been taking place on a weekly basis since the initial sampling. The pad monitor wells were most recently sampled on September 22, 2011. The most recent set of pad monitoring well sample results available is for samples collected on September 16, 2011. Sampling of the pad monitor wells around EW-1 will continue until drilling and testing of EW-1 has been completed. Copies of the 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.

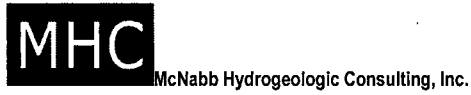


David McNabb, P.G.

Attachments: Consultant Daily Construction Log
Layne Christensen Company-Drilling Shift Report
Pad Monitor Well Water Quality Data Summary Sheets
Lithologic Description
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



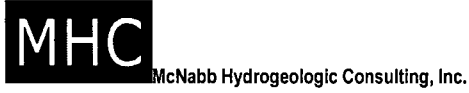
Daily Construction Log

Date: September 15, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,219 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,212 feet bpl
Recorded By: David McNabb/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is dredging the pilot hole at a depth of 3,219 feet below pad level (bpl). The hole above a depth of 3,210 feet bpl appears to be cleaned out. The interval from 3,210 to 3,219 feet bpl is dredging.
- 0800 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,211 feet bpl.
- 0940 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,213 feet bpl.
- 1025 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,215 feet bpl.
- 1130 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,220 feet bpl. The drill bit is currently plugged and the drilling contractor is working to unplug it.
- 1225 The drilling contractor has been unsuccessful at unplugging the bit so far.
- 1405 The drilling contractor has been unsuccessful at unplugging the bit. They are beginning to trip the drill bit to surface.
- 1520 The drilling contractor is tripping the drill bit to surface.
- 1640 The drilling contractor is tripping the drill bit to surface.
- 1715 The drilling contractor is tripping the drill bit to surface.
- 2000 The drilling contractor has tripped the drill bit up and restored circulation. The drilling contractor will begin tripping back in to the hole.
- 2300 The drilling contractor begins dredging the pilot hole at a depth of 3,205 feet bpl.
- 0200 The drilling contractor begins dredging the pilot hole at a depth of 3,209 feet bpl.
- 0430 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,212 feet bpl.
- 0530 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,212 feet bpl.
- 0700 The drilling contractor continues to dredge the pilot hole. They are at a depth of 3,212 feet bpl. The drilling contractor will shut down the rig for maintenance.



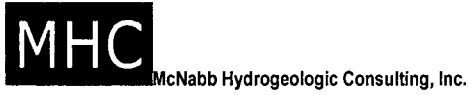
Daily Construction Log

Date: September 16, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,212 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,207 feet bpl
Recorded By: David McNabb/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor spent the night dredging the pilot hole over the interval from 3,205 to 3,212 feet below pad level (bpl). They are shutting down the rig to perform maintenance on the rig. One of the sensors on the rig appears to be malfunctioning. The drilling contractor's electrician will come to the site to look at the sensor.
- 1100 The drilling contractor is waiting on their electrician to arrive on site.
- 1300 The drilling contractor is waiting on their electrician to arrive on site. He is expected to arrive in about one hour.
- 1535 The drilling contractor's electrician has arrived on site and is beginning to work on the rig.
- 1830 The drilling contractor has repaired the electrical problem on the rig and is preparing to resume drilling of the pilot hole.
- 1840 The drilling contractor resumes dredging the pilot hole at a depth of 3,205 feet bpl.
- 2100 The drilling contractor is dredging the pilot hole at a depth of 3,207 feet bpl.
- 2200 The drilling contractor is dredging the pilot hole at a depth of 3,210 feet bpl.
- 0100 The drilling contractor is dredging the pilot hole at a depth of 3,213 feet bpl.
- 0300 The drilling contractor is dredging the pilot hole at a depth of 3,216 feet bpl.
- 0500 The drilling contractor is dredging the pilot hole at a depth of 3,212 feet bpl.
- 0600 The drilling contractor is dredging the pilot hole at a depth of 3,207 feet bpl.
- 0700 The drilling contractor is dredging the pilot hole at a depth of 3,207 feet bpl.



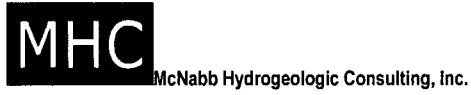
Daily Construction Log

Date: September 17, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,207 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,213 feet bpl
Recorded By: Sally Durall/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor spent the night dredging the pilot hole over the interval from 3,205 to 3,216 feet below pad level (bpl). The pilot hole is currently at a depth of 3,207 feet bpl.
- 0800 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 1020 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,209 feet bpl.
- 1215 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,209 feet bpl.
- 1400 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 1530 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,215 feet bpl.
- 1700 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 1900 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,205 feet bpl.
- 2200 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,210 feet bpl.
- 2300 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,210 feet bpl.
- 0200 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,210 feet bpl.
- 0430 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,217 feet bpl.
- 0530 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 0700 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.



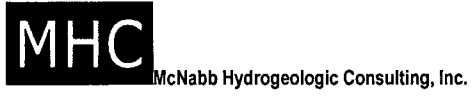
Daily Construction Log

Date: September 18, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,213 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,227 feet bpl
Recorded By: Sally Durail/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor spent the night dredging the pilot hole over the interval from 3,205 to 3,217 feet below pad level (bpl). The pilot hole is currently at a depth of 3,213 feet bpl.
- 0800 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 0940 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 1115 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,220 feet bpl.
- 1350 The drilling contractor has drilled the pilot hole to a depth of 3,220 feet bpl but the pilot hole continues to back fill. The pilot hole is currently at a depth of 3,210 feet bpl.
- 1500 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.
- 1640 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.
- 1740 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 2000 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,215 feet bpl.
- 2330 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,220 feet bpl.
- 0200 The drilling contractor is drilling the pilot hole at a depth of 3,225 feet bpl.
- 0315 The drilling contractor has lost circulation at a depth of 3,227 feet bpl and is working to restore circulation.
- 0400 The drilling contractor has pulled one stand of drill pipe in an effort to restore circulation.
- 0500 The drilling contractor will pull an additional ten stands of drill pipe in an effort to restore circulation.
- 0545 The drilling contractor trips the air line out of the drill pipe.



0640 The drilling contractor resumes tripping the drill pipe out of the borehole.



McNabb Hydrogeologic Consulting, Inc.



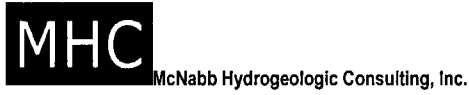
Daily Construction Log

Date: September 19, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,227 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Cloudy, Rain, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 ¼-inch
Ending Depth: 3,212 feet bpl
Recorded By: Sally Durall/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor spent the night dredging the pilot hole over the interval from 3,215 to 3,219 feet below pad level (bpl) and drilled the interval from 3,219 to 3,227 feet bpl. The bit has been plugged off and the drilling contractor is currently tripping out of the borehole with the bit.
- 0900 The drilling contractor continues to trip out of the borehole with the bit.
- 1010 The drilling contractor has tripped out of the borehole with 14 drill pipe stands and has installed the air line to attempt to release the plug.
- 1040 The drilling contractor is not successful in removing the plug and is preparing to resume tripping out of the drill pipe with the air line.
- 1135 Resume tripping out of the borehole with the bit.
- 1330 The drilling contractor continues to trip out of the borehole with the bit.
- 1530 The drilling contractor continues to trip out of the borehole with the bit.
- 1705 The drilling contractor is in the process of killing the well.
- 1945 The drilling contractor continues to trip out of the hole with the bit.
- 2030 The drill bit is on the rig floor. The drilling contractor is killing the well and preparing to trip back in with the bit.
- 2100 The drilling contractor will change out the drill bit due to hairline fractures in the current bit. The drilling contractor has called the welder to come to the site to weld skirts on the new bit to help prevent plugging.
- 0050 The drilling contractor has changed out the 12 ¼ inch bit and begins tripping in to the hole.
- 0200 The drilling contractor continues to trip in to the borehole with the bit.
- 0500 The drilling contractor continues to trip in to the borehole with the bit.
- 0510 The drilling contractor begins dredging the borehole at a depth of 3,212 feet bpl.
- 0700 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.



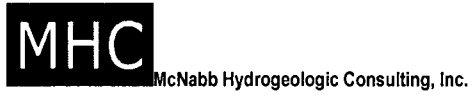
Daily Construction Log

Date: September 20, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,212 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

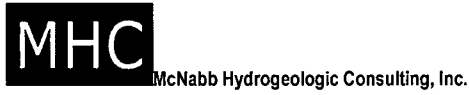
FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,207 feet bpl
Recorded By: Sally Durall/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor tripped in the borehole with the 12 1/4-inch diameter bit during the night shift and resumed dredging the pilot hole from a depth of 3,212 feet below pad level (bpl).
- 0900 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 1030 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,215 feet bpl.
- 1130 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,217 feet bpl.
- 1310 The drilling contractor continues to dredge the pilot hole. The pilot hole has been drilled as deep as 3,222 feet bpl, but it continues to fill back in to 3,213 feet bpl.
- 1355 The drilling contractor continues to dredge the pilot hole.
- 1530 The drilling contractor continues to dredge the pilot hole.
- 1720 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,220 feet bpl.
- 2000 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,222 feet bpl.
- 2130 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 2300 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 0200 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.
- 0430 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,209 feet bpl.
- 0540 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.
- 0625 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.



0700 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.



Daily Construction Log

Date: September 21, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,207 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,213 feet bpl
Recorded By: David McNabb/Deborah Daigle

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor spent the night dredging the pilot hole over the interval from 3,207 to 3,222 feet below pad level (bpl). They are currently dredging the pilot hole at a depth of 3,207 feet bpl.
- 0820 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.
- 1035 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,209 feet bpl.
- 1140 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 1215 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 1330 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 1420 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 1550 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 1740 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,209 feet bpl.
- 1930 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.
- 2200 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 2330 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,205 feet bpl.
- 0230 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,208 feet bpl.
- 0500 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,203 feet bpl.



McNabb Hydrogeologic Consulting, Inc.



- 0540 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,217 feet bpl.
- 0700 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT: F.P.L. Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
JOB SITE NAME: F.W.-1 L-2011-428 Enclosure 2 Page 15 of 33

DATE: 9-15-2011
THUR NIGHT

JOB #: 11771
LOCATION: T.P.

PERSONNEL EMPLOYED TODAY

Table with columns: Crew Assignment, Employee - Full Name, Per Diem? (X), Onsite Hours, Offsite Hours, Total Hours. Rows include Driller Boris Gulomov, V.I. Vlad Ishimov, J.L. Joan Lopez, and I.P. Igor Popov.

EQUIPMENT DISPLAY TODAY

Table with columns: Description, Unit #, Status. Includes sub-tables for Working (WK, Mobilization, MB), Standby (SB, Demobilization, DM), Down in Shop (DS, Available in Yard, AY), and Down on Site (DN, Available on Job, AV).

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Large table with columns: Item #, Cost Code, Labor Activity, Hours. Lists various activities from 1 to 45, including Mobilization, Safety Meeting, Training, and various drilling operations.

MATERIALS USED TODAY

Table with columns: Quantity, Description. Entries include SAFETY MTG., REVERSE CIRCULATION DRILLING METHOD., and RIG SAFETY EQUIPMENT.

TIME OF ACTIVITY BY ITEM #

Table with columns: From, To, Circle One (AM, PM), Item #. Shows time intervals for various items.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

T.I.H with airline, start the circulation to unclog the DP 1434' BPL circulate for 30 min to clean the DP. T.I.H-DP 3144' BPL start the circulation. Tag 3205' BPL. Dredging & keep losing air pressure keep working from 3205' BPL to 3212' BPL

Signature and date 9-15-11

Date: 9-15-11

PAYROLL

Signature and date 9-15-11

Date: 9-15-11



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

Client: F.P.L. Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-428 Enclosure 2 Page 17 of 33

DATE: 9-16-11
FRI NIGHT

JOB #: 11771
T.P.

JOBSITE NAME

JOBSITE LOCATION

PERSONNEL EMPLOYED TODAY

EMPLOYERS EMPLOYED TODAY

DAILY ACCUMULATION OF ACTIVITIES BY ITEM #

Table with columns: Crew Assignment, Employee - Full Name, Per Diem? (X), Onsite Hours, Offsite Hours, Total Hours. Includes names like BOSIT GULOMOV, VLAD. ISHIMOV, JOAN LOPEZ, IGOR POPEN.

Table with columns: Description, Unit #, Status. Includes sub-tables for Working, Standby, Down in Shop, Down on Site.

Large table with columns: Item #, Cost Code, Labor Activity, Hours. Lists various activities like Non Duration Job, Safety Meeting, Training, etc.

MATERIALS USED TODAY

TIME OF ACTIVITY BY ITEM #

Table with columns: Quantity, Description. Includes entries for SAFETY MTR, H.I.R.A., P.P.E.

Table with columns: From, To, Circle One, Item #. Grid for tracking activity times.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Drill 12 1/4 bit 3205' BPL to 3212' BPL working this depth to clean it up. Dredging & keep losing air pressure. 3205' to 3212' is clean out. Now working 3212' BPL to 3216' BPL Dredging & losing air pressure. Clean Slurry Pit Pack. Pressure wash mud pumps & mixing pump.

Signature: [Handwritten] Date: 9-16-11

Client's Signature

PAYROLL

Preparer's Signature

Signature: [Handwritten] Date: 9-16-11

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 | |

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 are under investigation and will be compared with the results of the 9/23/11 sampling event. Preliminary specific conductance results for the 9/23/11 sampling event are 72,900 umhos/cm.

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 | |


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 are under investigatic 8.59 feet NAVD 88

sampling event are 7,2900 umhos/cm.

| 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 | |
| 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 are under investigation 8.84 feet NAVD 88 sampling event are 7,2900 umhos/cm. | | | | | | | | |

| 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 | |
| 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 are under investigatic 8.88 feet NAVD 88 sampling event are 7,2900 umhos/cm. | | | | | | | | |

| MHC | | | Florida Power & Light Company |  |
|------------|-----------------|-------|--|---|
| | | | Turkey Point | |
| | | | Exploratory Well EW-1 | |
| | | | Lithologic Description | |
| Date | Depth (ft. bpl) | | Observer's Description | |
| | From | To | | |
| 9/15/2011 | 3,215 | 3,220 | Limestone: 90%, very pale orange (10YR 8/2) to white (N9), fine to medium grained, poorly to moderately indurated, low to moderate porosity, low to moderate permeability, mostly pellets with few benthic foraminifera, sparry calcite cement; Dolomite, light gray (N7) to medium gray (N4), fine crystalline, well indurated. | |
| 9/18/2011 | 3,220 | 3,225 | Limestone: 100%, very pale orange (10YR 8/2) to white (N9), fine grained, well to moderately indurated, low to moderate porosity, low to moderate permeability, mostly pellets with few benthic foraminifera, sparry calcite cement. | |
| | | | | |

ft. bpl = feet below pad level

**Florida Power & Light Company
Turkey Point
Exploratory Well EW-1
Daily Kill Material Log**

| Date | Depth (feet bpl) | Kill Used | Approximate Volume (gallons) | Approximate Quantity (pounds) |
|-----------|---------------------|----------------------------|---------------------------------|----------------------------------|
| 7/7/2011 | 1655 | Bentonite /Barite | 569 | |
| 7/8/2011 | 1655 | Bentonite /Barite | 6,064 | |
| 7/9/2011 | 1655 | Bentonite /Barite | 2,085 | |
| 7/10/2011 | 1655 | Bentonite /Barite | 1,137 | |
| 7/11/2011 | 1655 | Bentonite /Barite | 9,475 | |
| 7/12/2011 | 1655 | Bentonite /Barite | 759 | |
| 7/13/2011 | 1655 | Bentonite /Barite | 4,548 | |
| 7/15/2011 | 1655 | Bentonite /Barite | 1,925 | |
| 7/16/2011 | 1655 | Bentonite /Barite | 2,200 | |
| 7/17/2011 | 1655 | Bentonite /Barite | 284 | |
| 7/18/2011 | 1655 | Bentonite /Barite | 275 | |
| 7/19/2011 | 1655 | Bentonite /Barite | 275 | |
| 7/31/2011 | 1542 | Bentonite /Barite | 18,950 | |
| 8/1/2011 | 1542 | Bentonite /Barite | 4,548 | |
| 8/2/2011 | 1542 | Bentonite /Barite | 284 | |
| 8/5/2011 | 1542 | Bentonite /Barite | 4,548 | |
| 8/6/2011 | 1542 | Bentonite /Barite | 2,274 | |
| 8/10/2011 | 1542 | Bentonite /Barite | 6,443 | |
| 8/10/2011 | 1542 | Salt | | 2,000 |
| 8/13/2011 | 1722 | Bentonite /Barite | 6,250 | |
| 8/14/2011 | 1722 | Bentonite /Barite | 379 | |
| 8/17/2011 | 2026 | Salt | | 2,000 |
| 8/18/2011 | 2026 | Bentonite /Barite | 379 | 2,000 |
| 8/19/2011 | 2110 | Bentonite/Barite and Salt | 570 | 2,000 |
| 8/20/2011 | 2110 | Bentonite /Barite and Salt | 189 | 4,000 |
| 8/21/2011 | 2288 | Salt | | 6,000 |
| 8/22/2011 | 2288 | Salt | | 4,000 |
| 8/24/2011 | 2396 | Bentonite /Barite and Salt | 379 | 2,000 |
| 8/25/2011 | 2396 | Salt | | 4,000 |
| 8/26/2011 | 2576 | Bentonite /Barite and Salt | 379 | 2,000 |
| 8/28/2011 | 2580 | Bentonite /Barite and Salt | 379 | 6,000 |
| 8/30/2011 | 2638 | Salt | | 4,000 |
| 8/31/2011 | 2638 | Bentonite /Barite/Salt | 569 | 2,000 |
| 9/1/2011 | 2652 | Bentonite /Barite | 379 | |
| 9/2/2011 | 2666 | Salt | | 2,000 |
| 9/3/2011 | 2666 | Bentonite /Barite | 569 | |
| 9/10/2011 | 3214 | Salt | | 6,000 |
| 9/11/2011 | 3210 | Salt | | 4,000 |
| 9/19/2011 | 3227 | Salt | | 4,000 |
| | | | | |
| | | | | |

feet bpl = feet below pad level

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-428 Enclosure 3 Page 1 of 32

Enclosure 3

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #21 dated September 30, 2011

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

September 30, 2011

MHCDEP-11-0448

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 #21**

Dear Mr. May:

This is the twenty-first weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, September 22, 2011 and ended at 7:00 AM, Thursday, September 29, 2011. Consultant and drilling contractor daily reports were prepared for this reporting period. Copies of the consultant and drilling contractor daily construction logs are attached.

During the previous reporting period the drilling contractor drilled a pilot hole over the interval from 3,219 feet to 3,227 feet below pad level (bpl) and dredged the pilot hole over the interval from 3,205 to 3,220 feet bpl.

During this reporting period, the drilling contractor drilled a pilot hole over the interval from 3,227 feet bpl to 3,228 feet bpl. Most of the reporting period was spent dredging over the interval primarily from approximately 3,211 to 3,222 feet bpl. The dredge material consists primarily of limestone gravel with some dolomite gravel.

There were no lithologic or pilot hole water samples collected during this reporting period since the pilot hole advanced only one foot. Salt was used to kill the well once during the reporting period. A daily kill material log providing a summary of daily kill material and kill quantity is also attached.

There was no casing installation, cementing, packer testing, or exploratory well development during this reporting period. There were no construction related issues during this reporting period.

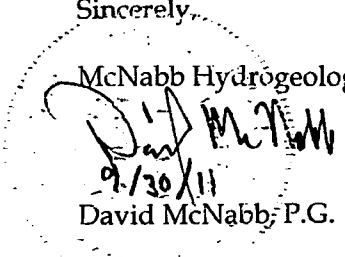
During the next reporting period, it is anticipated that the drilling contractor will complete pilot hole drilling to a depth of 3,500 feet bpl, perform geophysical logging of the pilot hole and begin packer testing of the pilot hole unless dredging of the pilot hole continues.

In addition, sampling of the pad monitor wells began on April 21, 2011 and has been taking place on a weekly basis since the initial sampling. The pad monitor wells were most recently sampled on September 29, 2011. The most recent set of pad monitoring well sample results available are for samples collected on September 23, 2011. Sampling of the pad monitor wells around EW-1 will continue until drilling and testing of EW-1 has been completed. Copies of the 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.

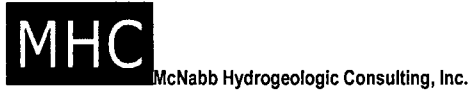


David McNabb, P.G.

Attachments: Consultant Daily Construction Log
Layne Christensen Company-Drilling Shift Report
Pad Monitor Well Water Quality Data Summary Sheets
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



Daily Construction Log

Date: September 22, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,213 feet bpl
Weather Day: Partly Cloudy, Hot
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,228 feet bpl
Recorded By: David McNabb/Mark McNeal

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,213 feet below pad level (bpl).
- 0750 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,222 feet bpl.
- 0815 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.
- 0845 The drilling contractor continues to dredge the pilot hole. They dredged down to a depth of 3,227 feet bpl and have drilled to a depth of 3,228 feet bpl.
- 0910 While drilling at a depth of 3,228 feet bpl, the bit became plugged. The drilling contractor is working to unplug the bit.
- 1000 The drilling contractor is unable to unplug the bit and is preparing to trip the bit out of the hole.
- 1030 The drilling contractor is beginning to remove the airline from the drill string.
- 1150 The drilling contractor has removed the airline from the drill string and is beginning to trip out of hole with the drill string.
- 1300 The drilling contractor continues tripping out of hole with the drill string.
- 1505 The drilling contractor continues tripping out of hole with the drill string.
- 1655 The bit is near surface and the drilling contractor is beginning to kill the well with salt.
- 1730 The well has been killed.
- 1930 One collar is out of the well which was partially full of dredge material.
- 2100 The drill pipe and bit have been cleared of dredge material. The drilling contractor begins tripping back into the well.
- 0000 The drilling contractor continues to trip into the well. Approximately 1,700 feet of drill pipe and collars are in the well.
- 0500 The drilling contractor is tripping the airline into the well to begin circulating at about 1,800 feet in depth.
- 0645 The drilling contractor is unable to circulate. It appears the drill bit may be plugged again. They begin removing the airline



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: September 23, 2011 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** EW-1
Contractor: Layne Christensen Company **Bit Diameter:** 12 ¼-inch
Starting Depth: 3,228 feet bpl **Ending Depth:** 3,219 feet bpl
Weather Day: Partly Cloudy, Rain, Hot **Recorded By:** David McNabb/Mark McNeal
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is in the process of removing the airline in preparation for tripping the drill bit to surface to unplug the drill bit. The drill bit became plugged last night while tripping it into the hole at a depth of approximately 1,800 feet below pad level (bpl).
- 0830 The rig is down for electrical maintenance.
- 1240 Rig electrical maintenance was completed approximately 30 minutes ago and the drilling contractor is preparing to resume tripping the drill bit out of hole to unplug the bit.
- 1345 The drilling contractor continues to trip out of the drill bit.
- 1430 The drill bit has been brought to surface and the drilling contractor is working to unplug it.
- 1510 The drill bit has been unplugged and the rig is undergoing maintenance.
- 1535 The drilling contractor has completed rig maintenance and has started tripping the drill bit into the hole.
- 2030 The drilling contractor has tripped in to 1,704 feet bpl and has circulated the borehole. All of the airline is in the hole to allow circulation prior to each drill rod connection.
- 2300 The borehole appears to be clear to 1,975 feet bpl and the drilling contractor is making another connection.
- 0100 The drilling contractor continues to trip in and circulate the well while doing so. The bit is currently down to 2,334 feet bpl and they just made another connection.
- 0400 The drilling contractor reaches 3,215 feet bpl, the point at which the hole has filled in. Dredging continues at this depth.
- 0430 Dredging continues at a depth of 3,218 feet bpl.
- 0650 Dredging continues at a depth of 3,219 feet bpl.



McNabb Hydrogeologic Consulting, Inc.

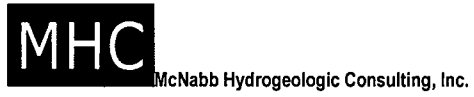


Daily Construction Log

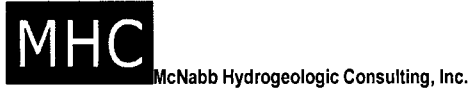
Date: September 24, 2011 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** EW-1
Contractor: Layne Christensen Company **Bit Diameter:** 12 ¼-inch
Starting Depth: 3,219 feet bpl **Ending Depth:** 3,211 feet bpl
Weather Day: Partly Cloudy, Rain, Hot **Recorded By:** David McNabb/Mark McNeal
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is in the process of dredging the pilot hole at a depth of 3,219 feet below pad level (bpl).
- 0830 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 1030 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 1155 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 1245 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 1405 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,210 feet bpl.
- 1500 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 1620 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 1710 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 2000 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl. Dredge material is filling in up to 3,211 feet when they pull up. The bit is coming close to plugging off so they are being cautious.
- 2230 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 0000 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 0230 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,215 feet bpl.
- 0445 The drilling contractor continues to dredge the pilot hole, which has been down to a depth of 3,216 feet bpl during this shift. Dredging is occurring between 3,211 and 3,216 feet bpl.



- 0540 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.
- 0645 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.

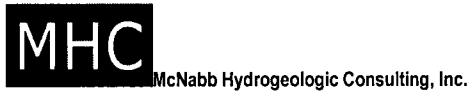


Daily Construction Log

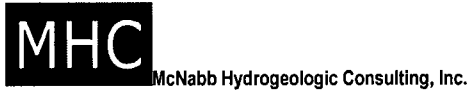
Date: September 25, 2011 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** EW-1
Contractor: Layne Christensen Company **Bit Diameter:** 12 1/4-inch
Starting Depth: 3,211 feet bpl **Ending Depth:** 3,219 feet bpl
Weather Day: Partly Cloudy, Rain, Hot **Recorded By:** David McNabb/Mark McNeal
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is in the process of dredging the pilot hole at a depth of 3,211 feet below pad level (bpl).
- 0730 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,207 feet bpl.
- 0830 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 0935 The drilling contractor has stopped work to perform maintenance on the rig.
- 1055 The drilling contractor continues to perform maintenance on the rig.
- 1120 Rig maintenance has been completed and the drilling contractor has resumed dredging the pilot hole.
- 1145 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 1335 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,217 feet bpl.
- 1425 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,218 feet bpl.
- 1530 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,222 feet bpl.
- 1630 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,217 feet bpl.
- 1700 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,218 feet bpl.
- 1915 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,222 feet bpl.
- 2115 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,222 feet bpl.
- 2330 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,219 feet bpl. The drilling contractor has progressed the pilot hole as deep as 3,224 feet bpl in the past hour, but the pilot hole is filling in again at 3,219 feet bpl.



- 0130 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,219 feet bpl.
- 0345 The drilling contractor continues to dredge the pilot hole. The pilot hole is at a depth of 3,219 feet bpl.
- 0600 The drilling contractor continues to dredge the pilot hole. Rock material is filling in the pilot hole to the depth of about 3,219 feet bpl; there is weight on the bit at this depth and the driller is cautiously reworking the pilot hole in roughly 5 foot intervals to prevent loss of reverse-air circulation.
- 0640 The drilling contractor continues to dredge the pilot hole at a depth of 3,219 feet bpl; there is weight on the bit at this depth as rock and cuttings fill in the pilot hole. The contractor has been unable to clear the cuttings and rock material from the pilot hole down to the previously established depth of 3,224 feet bpl.



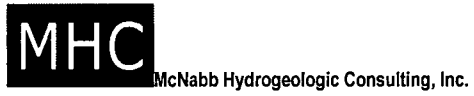
Daily Construction Log

Date: September 26, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,219 feet bpl
Weather Day: Cloudy and Warm
Weather Night: Cloudy, Rain, and Warm
Activity: Pilot Hole Drilling

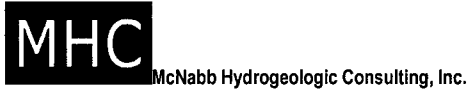
FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,220 feet bpl
Recorded By: Eric Meyer/Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues to dredge the pilot hole to a depth of approximately 3,219 feet below pad level (bpl).
- 0800 The drilling contractor continues to dredge the pilot hole to a depth of approximately 3,212 feet bpl.
- 0915 The drilling contractor continues to dredge the pilot hole; the driller is working the depth interval from approximately 3,209 feet to 3,214 feet bpl.
- 1100 Drilling progress is generally unchanged. The drilling contractor continues dredging the pilot hole between the depths of 3,210 feet and 3,215 feet bpl.
- 1310 The drilling contractor continues to work the bit up and down in the pilot hole between the depths of 3,209 feet and 3,215 feet bpl; dredging continues.
- 1430 Dredging the pilot hole continues at the depth of 3,209 feet bpl; the drilling contractor has not been able to clear the pilot hole below 3,215 feet bpl today.
- 1545 The drilling contractor reached the depth of approximately 3,218 feet bpl, but reverse-air circulation airline pressure fell off rapidly and the bit was subsequently pulled back to 3,209 feet bpl to restore flow.
- 1830 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 2100 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,215 feet bpl.
- 2230 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0045 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0230 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,215 feet bpl.
- 0345 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,213 feet bpl.
- 0505 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.



0700 The drilling contractor continues to dredge the pilot hole and has been unable to clear the pilot hole back to the drilled depth of 3,220 feet bpl.



Daily Construction Log

Date: September 27, 2011
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: 3,220 feet bpl
Weather Day: Pt. Cloudy, Rain, Warm
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

FDEP UIC Permit #: 0293962-001-UC
Well No.: EW-1
Bit Diameter: 12 1/4-inch
Ending Depth: 3,219 feet bpl
Recorded By: Eric Meyer/Sally Durall

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,220 feet below pad level (bpl).
- 0800 The drilling contractor continues to rework the pilot hole from about 3,211 feet to 3,224 feet bpl; rock and cuttings are being dredged from the interval.
- 1000 Drilling status remains unchanged; dredging continues.
- 1215 The drilling contractor continues to rework the pilot hole; rock and cuttings are being dredged from the depth of about 3,211 feet bpl.
- 1300 The drilling contractor is reworking the interval from 3,211 feet to 3,215 feet bpl.
- 1430 The drilling contractor is dredging the pilot hole; rock and cuttings continue to fill the pilot hole to a depth of 3,214 feet bpl.
- 1645 The drilling contractor continues dredging the pilot hole between the depths of 3,211 feet and 3,214 feet bpl; the driller is having difficulty maintaining air pressure for reverse-air circulation upon reaching the depth of 3,214 feet bpl.
- 1830 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,211 feet bpl.
- 2040 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 2225 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,212 feet bpl.
- 0100 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0240 The drilling contractor continues dredging the pilot hole. The pilot hole is at a depth of 3,218 feet bpl.
- 0515 The pilot hole is at a depth of 3,219 feet bpl. The drilling contractor begins to trip out with 2 drill pipe stands and the air line to service the wash pipe.
- 0600 The drilling contractor continues work on the wash pipe.



Daily Construction Log

Date: September 28, 2011 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** EW-1
Contractor: Layne Christensen Company **Bit Diameter:** 12 1/4-inch
Starting Depth: 3,219 feet bpl **Ending Depth:** 3,218 feet bpl
Weather Day: Pt. Cloudy, Rain, Warm **Recorded By:** Eric Meyer/Sally Durall
Weather Night: Partly Cloudy, Warm
Activity: Pilot Hole Drilling

CONSTRUCTION ACTIVITIES

- 0700 The pilot hole was dredged to 3,219 feet below pad level (bpl) when the drilling contractor decided to replace the wash pipe packing. Replacement of the wash pipe packing is currently underway.
- 1130 The replacing of the wash pipe packing continues.
- 1315 The drilling contractor has completed replacement of the wash pipe packing and is preparing to resume dredging the pilot hole.
- 1400 Drilling has resumed and rock and cuttings continue to be dredged from the pilot hole. The drilling contractor is reworking the interval from 3,210 feet to 3,217 feet bpl.
- 1530 The drilling contractor raises the bit to a depth of 3,152 feet bpl while the power tongs on the rig undergo maintenance.
- 1800 The drilling contractor continues to perform maintenance on the power tongs on the rig.
- 1845 The drilling contractor resumes dredging the pilot hole.
- 1930 The drilling contractor has stopped dredging the pilot hole to perform maintenance on the wash pipe. The drilling contractor is tripping the air line out of the drill pipe in preparation for performing the maintenance.
- 2200 The drilling contractor continues performing maintenance on the wash pipe.
- 2315 The drilling contractor resumes dredging the pilot hole. The pilot hole is at a depth of 3,214 feet bpl.
- 0120 The drilling contractor resumes dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0250 The drilling contractor resumes dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0410 The drilling contractor resumes dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0535 The drilling contractor resumes dredging the pilot hole. The pilot hole is at a depth of 3,216 feet bpl.
- 0700 The drilling contractor resumes dredging the pilot hole. The pilot hole is at a depth of 3,218 feet bpl.



LAYNE CHRISTENSEN COMPANY - DRILLING SHIFT REPORT

CLIENT F.P.L Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
JOBSITE NAME EW-1 I-2011-428 Enclosure 3 Page 27 of 32

DATE 9-28-11
WED NIGHT

JOB # 11271
JOBSITE LOCATION T.P.

PERSONNEL EMPLOYED TODAY

Table with columns: Crew Assignment, Employee - Full Name, Per Diem? (X), Onsite Hours, Offsite Hours, Total Hours. Rows include BOB GUAMOV, VLAD ISHIMOV, JOAN LOPEZ, IGOR POPOV.

EQUIPMENT DEPLOYED TODAY

Table with columns: Description, Unit #, Status. Includes sub-tables for Working, Standby, Down in Shop, Down on Site and Mobilization, Demobilization, Available in Yard, Available on Job.

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Large table with columns: Item #, Cost Code, Labor Activity, Hours. Lists activities from 1 to 45, including Short Duration Job, Onsite Mob/Demob, Safety Meeting, etc.

MATERIALS USED TODAY

Table with columns: Quantity, Description. Entries include SAFETY MTR, LIGHTNING, LOCKOUT AND TABBING.

TIME OF ACTIVITY BY ITEM #

Table with columns: From, To, Circle One (AM/PM), Item #. Grid for recording activity times.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

DRILL 12 1/2 BIT; FROM 3214' TO 3218' BPL
DREDGING LOSE AIR PRESS; WORK THIS AREA;
CHANGE WASH PIPE;

Inspector's Signature [Signature]

Date 9-28-11

Client's Signature

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 | |

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.
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 | |
| 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 are under investigatic 8.59 feet NAVD 88 sampling event are 7,2900 umhos/cm. | | | | | | | | |




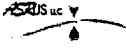
Project: Florida Power & Light Company
Miami-Dade County, Florida
Exploratory Well EW-1

**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 | |

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 are under investigation 8.84 feet NAVD 88
sampling event are 7,2900 umhos/cm.

| 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 | |
| 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 are under investigatic 8.88 feet NAVD 88 sampling event are 7.2900 umhos/cm. | | | | | | | | |

**Florida Power & Light Company
Turkey Point
Exploratory Well EW-1
Daily Kill Material Log**

| Date | Depth (feet bpl) | Kill Used | Approximate Volume (gallons) | Approximate Quantity (pounds) |
|-----------|---------------------|----------------------------|---------------------------------|----------------------------------|
| 7/7/2011 | 1655 | Bentonite /Barite | 569 | |
| 7/8/2011 | 1655 | Bentonite /Barite | 6,064 | |
| 7/9/2011 | 1655 | Bentonite /Barite | 2,085 | |
| 7/10/2011 | 1655 | Bentonite /Barite | 1,137 | |
| 7/11/2011 | 1655 | Bentonite /Barite | 9,475 | |
| 7/12/2011 | 1655 | Bentonite /Barite | 759 | |
| 7/13/2011 | 1655 | Bentonite /Barite | 4,548 | |
| 7/15/2011 | 1655 | Bentonite /Barite | 1,925 | |
| 7/16/2011 | 1655 | Bentonite /Barite | 2,200 | |
| 7/17/2011 | 1655 | Bentonite /Barite | 284 | |
| 7/18/2011 | 1655 | Bentonite /Barite | 275 | |
| 7/19/2011 | 1655 | Bentonite /Barite | 275 | |
| 7/31/2011 | 1542 | Bentonite /Barite | 18,950 | |
| 8/1/2011 | 1542 | Bentonite /Barite | 4,548 | |
| 8/2/2011 | 1542 | Bentonite /Barite | 284 | |
| 8/5/2011 | 1542 | Bentonite /Barite | 4,548 | |
| 8/6/2011 | 1542 | Bentonite /Barite | 2,274 | |
| 8/10/2011 | 1542 | Bentonite /Barite | 6,443 | |
| 8/10/2011 | 1542 | Salt | | 2,000 |
| 8/13/2011 | 1722 | Bentonite /Barite | 6,250 | |
| 8/14/2011 | 1722 | Bentonite /Barite | 379 | |
| 8/17/2011 | 2026 | Salt | | 2,000 |
| 8/18/2011 | 2026 | Bentonite /Barite | 379 | 2,000 |
| 8/19/2011 | 2110 | Bentonite/Barite and Salt | 570 | 2,000 |
| 8/20/2011 | 2110 | Bentonite /Barite and Salt | 189 | 4,000 |
| 8/21/2011 | 2288 | Salt | | 6,000 |
| 8/22/2011 | 2288 | Salt | | 4,000 |
| 8/24/2011 | 2396 | Bentonite /Barite and Salt | 379 | 2,000 |
| 8/25/2011 | 2396 | Salt | | 4,000 |
| 8/26/2011 | 2576 | Bentonite /Barite and Salt | 379 | 2,000 |
| 8/28/2011 | 2580 | Bentonite /Barite and Salt | 379 | 6,000 |
| 8/30/2011 | 2638 | Salt | | 4,000 |
| 8/31/2011 | 2638 | Bentonite /Barite/Salt | 569 | 2,000 |
| 9/1/2011 | 2652 | Bentonite /Barite | 379 | |
| 9/2/2011 | 2666 | Salt | | 2,000 |
| 9/3/2011 | 2666 | Bentonite /Barite | 569 | |
| 9/10/2011 | 3214 | Salt | | 6,000 |
| 9/11/2011 | 3210 | Salt | | 4,000 |
| 9/19/2011 | 3227 | Salt | | 4,000 |
| 9/22/2011 | 3228 | Salt | | 4,000 |

feet bpl = feet below pad level