



L-2012-300
10 CFR 52.3

August 2, 2012

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 – #61, #62, and 63

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 #61 dated July 6, 2012, #62 dated July 13, 2012, and #63 dated July 20, 2012 submitted to the Florida Department of Environmental Protection (FDEP) as required by Permit #0293962-001-UC, and discussed in FPL's Revised Hydrology 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,

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 #61 dated July 6, 2012
2. Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well Project; Permit #0293962-001-UC Weekly Construction Summary #62 dated July 13, 2012
3. Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well Project; Permit #0293962-001-UC Weekly Construction Summary #63 dated July 20, 2012

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

DO97
NRD

Proposed Turkey Point Units 6 and 7
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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 #61 dated July 6, 2012

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

July 6, 2012

MHCDEP-12-0267

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 #61**

Dear Mr. May:

This is the sixty-first weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, June 28, 2012 and ended at 7:00 AM, Thursday, July 5, 2012. Consultant and drilling contractor daily reports were prepared for this reporting period. Copies of the consultant and drilling contractor daily construction logs are attached.

During the previous reporting period the drilling contractor installed the 6½-inch diameter casing of DZMW-1 to a depth of 1,860 feet below pad level (bpl) and cemented the casing over the interval from 1,860 to 1,490 feet bpl in three stages using a total of 114.5 barrels of neat cement. The 6½-inch diameter casing then underwent cement bond logging and was then successfully pressure tested. Successful preliminary and final annular pressure testing took place at EW-1. The final annular pressure test was performed in the presence of a Florida Department of Environmental Protection (FDEP) witness.

During this reporting period the drilling contractor installed the DZMW-1 wellhead, performed development of the upper and lower monitor zones and continued demobilizing from the site. Water samples were collected for laboratory analysis from the upper monitor zone after the zone was fully developed. Development of the lower monitor zone was not yet completed by the end of the reporting period.

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

During the next reporting period, it is anticipated that the drilling contractor will continue development of the lower monitor zone, collected background water samples for laboratory analysis from the lower monitor zone, perform a video log of the completed well and continue demobilization from the site.

In addition, sampling of the pad monitor wells around EW-1 and DZMW-1 began on April 21, 2011 and March 20, 2012, respectively, and has been taking place on a weekly basis since the initial samplings. The most recent sampling of the EW-1 pad monitor wells was on July 5, 2012. The DZMW-1 pad monitor wells were most recently sampled on July 6, 2012. The most recent set of EW-1 pad monitoring well sample results are for samples collected on June 28, 2012. The most recent set of DZMW-1 pad monitoring well sample results available are for samples collected on June 29, 2012. Copies of the EW-1 and DZMW-1 pad monitor well water quality data summary sheets are attached.

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

Sincerely,

McNabb Hydrogeologic Consulting, Inc.



David McNabb, P.G.

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

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

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



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 28, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Partly Cloudy, Hot
Weather Night: NA
Activity: Demobilization and DZMW-1 Wellhead Completion

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

CONSTRUCTION ACTIVITIES

- 0730 The drilling contractor completed cement bond logging (CBL) and performed a successful pressure test on the 6 5/8-inch diameter fiberglass reinforced pipe (FRP) casing yesterday. A final video of DZMW-1 was attempted but the turbidity was too high to get a successful video. The video will be completed after development of the upper and lower monitor zones. The drilling contractor is preparing to begin development of the upper and lower monitor zones. The drilling contractor will also be demobilizing equipment from the site.
- 0800 The drilling contractor begins to trip the inflatable packer that was used for the pressure test of the 6 5/8-inch diameter casing out of the well.
- 0950 The drilling contractor has completed tripping out the inflatable packer out of the well and begins work on completing the wellhead.
- 1030 Florida Spectrum Environmental Services, Inc. is on site to sample the pad monitor wells located around EW-1.
- 1415 The drilling contractor continues to work to complete the wellhead and demobilize equipment.
- 1600 The drilling contractor continues to work to complete the wellhead and demobilize equipment. The drilling contractor will not be ready for development of the upper and lower monitor zones by the end of the day. There will be no construction activity on site during the night shift.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 29, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Partly Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Upper and Lower Zone Development and Demobilization

CONSTRUCTION ACTIVITIES

- 0730 The drilling contractor completed the wellhead at DZMW-1 and performed demobilization activities yesterday. The drilling contractor is continuing demobilizing equipment from the site and is preparing to begin development of the upper and lower monitor zones at DZMW-1.
- 0900 The drilling contractor continues preparing for development for the upper and lower monitor zones.
- 1115 Florida Spectrum Environmental Services, Inc. is on site to sample the pad monitor wells located around DZMW-1.
- 1140 The drilling contractor begins to develop the upper zone using a surface pump.
- 1315 The drilling contractor switches to air-lift development on the upper monitor zone. Kill material continues to be purged from the well.
- 1440 The flow is beginning to increase from the upper zone as the kill is being developed out. The flow is estimated at approximately 30 to 40 gallons per minute (gpm).
- 1700 The purge rate for the upper monitor zone continues to increase. The rate is estimated at approximately 60 gpm.
- 1730 The drilling contractor has stopped air-lift development and has installed a flowmeter on the purge line. The upper zone is currently flowing at a rate of 55 gpm on its own and the current static head level is approximately 13 feet above pad level.
- 1900 The drilling contractor will continue development of the upper zone during the night shift by surging with a surface pump for 15 minutes every hour. The pumping rate is approximately 125 gpm. The well is currently flowing at approximately 65 gpm on its own.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: June 30, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Partly Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Upper and Lower Zone Development

CONSTRUCTION ACTIVITIES

- 0730 The drilling contractor began development of the upper monitor zone yesterday. The drilling contractor continues to develop the upper monitor zone and is preparing to begin the lower monitor zone development.
- 0750 The drilling contractor begins air-lift development of the lower monitor zone.
- 0900 The drilling contractor continues development of the upper and lower monitor zones.
- 1100 The drilling contractor continues development of the upper and lower monitor zones. The upper zone flows at the rate of 65 gallons per minute (gpm) and the drilling contractor is using a surface pump to surge the zone once an hour for 15 minutes. The rate with the pump is 125 gpm. The drilling contractor continues air-lift development on the lower monitor zone.
- 1300 The drilling contractor continues development of the upper and lower monitor zones.
- 1500 The drilling contractor continues development of the upper and lower monitor zones. The upper zone flowrate remains at the rate of 65 gpm and the drilling contractor continues using a surface pump to surge the zone once an hour for 15 minutes. The drilling contractor continues air-lift development on the lower monitor zone. The flow appears to be increasing at approximately 15 to 20 gpm. The drilling contractor will continue development throughout the night shift.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 1, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Partly Cloudy, Hot
Weather Night: NA
Activity: Upper and Lower Zone Development

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

CONSTRUCTION ACTIVITIES

- 0800 Yesterday, the drilling contractor continued development of the upper and lower monitor zones at DZMW-1. The upper monitor zone flow has increased from 65 to 76 gallons per minute (gpm) during the night and the drilling contractor continues using a surface pump to surge the upper zone once an hour for 15 minutes. The drilling contractor stopped air-lift development last night and began using a surface pump to purge the lower monitor zone. The pumping rate for the lower monitor zone is approximately 9 gpm.
- 1030 The drilling contractor increased the pumping rate for the lower monitor zone to approximately 12 gpm. The water level drawdown is approximately 25 feet below the flange or 21 feet below pad level (bpl).
- 1230 The drilling contractor continues to develop the upper and lower monitor zones.
- 1400 The drilling contractor continues to develop the upper and lower monitor zones.
- 1600 The drilling contractor continues to develop the upper and lower monitor zones. The upper zone is flowing at a rate of 78 gpm and lower zone is being pumped at a rate of 12 gpm.
- 1800 The drilling contractor will continue to develop the upper and lower monitor zones throughout the night shift.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 2, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Partly Cloudy, Hot
Weather Night: NA
Activity: Upper and Lower Zone Development and Demobilization

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

CONSTRUCTION ACTIVITIES

- 0700 Yesterday, the drilling contractor continues development of the upper and lower monitor zones at DZMW-1. The upper monitor zone water quality has stabilized and is scheduled for the collection of background water quality collection to be performed by Florida Spectrum Environmental Services, Inc. at 0900 this morning. The pumping rate on the lower monitor zone is approximately 12 gallons per minute (gpm) and the parameters have not stabilized yet for background water quality collection.
- 0905 Florida Spectrum Environmental Services, Inc. is on site and begins to collect the background water quality sample for the upper monitor zone. The background water quality collection includes the list of primary and secondary drinking water standards and municipal wastewater minimum criteria groundwater monitoring parameters.
- 0935 The sample collection for the upper monitor zone is complete. The drilling contractor begins to demobilize the drilling rig. The lower zone development has been stopped until the drilling rig has been moved off DZMW-1. The drilling contractor plans to resume lower zone development tomorrow when the rig has been moved.
- 1130 The drilling contractor will be performing demobilization activities all day and there will not be any demobilizing activities during the night shift.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 3, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Partly Cloudy, Hot
Weather Night: NA
Activity: Demobilization

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

CONSTRUCTION ACTIVITIES

- 0830 Yesterday, the drilling contractor continued demobilizing the drilling rig from the site. Today, the drilling contractor will continue demobilizing the drilling rig and various equipment.
- 1030 The drilling contractor continues demobilizing equipment.
- 1230 The drilling contractor will continue to demobilization for the remainder of the day. No work will be performed during the night shift and no work will be performed tomorrow due to observance of the July 4th holiday.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 4, 2012

FDEP UIC Permit #:0293962-001-UC

Project: FPL Turkey Point EW

Well No.: DZMW-1

Contractor: Layne Christensen Company

Bit Diameter: NA

Starting Depth: NA

Ending Depth: NA

Weather Day: Partly Cloudy, Hot

Recorded By: David McNabb

Weather Night: NA

Activity: No construction activity

CONSTRUCTION ACTIVITIES

There was no construction activity at the site.

CLIENT

FPL

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

DATE 6 - 28 - 12

JOB 1

11771-1405-10000

JOB SITE NAME

mw-1

EQUIPMENT DEPLOYED TODAY

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
DRILLER	BOSIR GUCOMOV	45	12		12
B.C	BILL CROSSLEY	45	12		12
V.I	VLADISHEV	45	12		12
A.P	ANDREY POPOV	45	12		12
J.N	JUAN NINTO	45	12		12
P.V	PAUL VAUGHT	45	8		8
J.M	JAMES MCDONNELL	45	8		8

Description		Unit #	Status
FDW-700		23605	W/K
1489 MACK		18000	W/K
Dump Truck			
C-24			
Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Initial Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Risk Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drift Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Shorehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Civil Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Shorehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Purchase & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19350	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	88000	Job Superintendent	
		Lunch	
		TOTAL HOURS	

Quantity	Description
	SAFETY MTG:
	LADDER AND STAIRWAY SAFETY:
	PINCH POINT: HAND SAFETY:
	PPE: H. I. R. A.

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

T.O.H. PACKER-CEMENT LINE: Tap out Pack, cut 16"
Casing out and install well head, break down cont pipe.
HOUSEKEEPING + SITE CLEAN UP:

[Signature] 6-28-12

6-28-12 K. P. 

CLIENT FPL Proposed Turkey Point Units 6 and 7
 Docket Nos. 52-040 and 52-041
 JOBSITE NAME mwi-1 L-2012-300 Enclosure 1 Page 12 of 29

DATE 6-28-12
THUR DAYS

JOB# 11771-1405-15000

JOB SITE LOCATION: T. 12

PERSONNEL EMPLOYED TODAY

Row Assignment	Employee - Skills	Per Day? (H)	Group Hours	Other Hours	Total Hours
V. M	VICTOR MEISEYEV	45	8		8
K. I	KHUSAN ISMATULLAYEV	45	8		8
B. F	BOB FEETHAM.	45	12		12

EQUIPMENT DEPLOYED TODAY

Description		Unit #	Status
FDW-200		28605	w/110
1979 MACK		18000	w/110
Dump TRUCK			
Working	WK	Mobilization	MD
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

ONLINE ACQUISITION OF ACTIVITIES BY DEAF

Item #	Cost Code	Author Agency	Status
1	10000	Basic Control for JEP	
2	11100	Control Model Development	
3	11110	Test Programming	
4	11100	Library Maintenance	
5	0000	Software Development	
6	0000	Shop - Development	
7	0000	Maintenance - Development	
8	11200	Training - Software	
9	11300	Shop Control Unit	
10	11300	Control System Unit	
11	11400	Control System Unit	
12	11400	Control System Unit	
13	11400	Control System Unit	
14	11400	Control System Unit	
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97	11400	Control System Unit	
98	11400	Control System Unit	
99	11400	Control System Unit	
100	11400	Control System Unit	

MATERIALS USED TODAY

Quantity	Description
	SAFETY MTC!
	LANDER AND STAIRWAY SAFETY
	PINCH POINT - HAND SAFETY!
	PPE: H. I. R. A. LENDER AND
	TRACK PPE - SAFETY!

TIME OF ACTIVITY BY ITEM

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

6-28-12

6-28-12

K. D. [Signature]

LATNE LINDSEY COMPANY - UNILLING SHIP / REPAIR

CLIENT

FPL

Proposed Turkey Point Units 6 and 7
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6-29-13

FRIDAYS

1064

11271-1405-10000.

JOB SITE LOCATION

7.2

Environmental Science & Technology


EQUIPMENT COMPLIANCE REPORT

BASE ACCOUNTING OF ATLANTIC OYSTERS

Emp Assignment	Employee - Full Name	Per Day 01	Group Hours	Office Hours	Total Hours
D.D.	BOSIT GULOMEN	45	12		12
B.C.	BILL CROSSLEY	45	6		6
M.R.	MICHAEL RAMIREZ	45	6		6
V.I.	VLAD ISHIMOV	45	12		12
A.P.	ANDREY POPOV	45	12		12
V.M.	VICTOR MOISEYEV	45	12		12
B.F.	BOB FEETHAM	45	12		12
K.I.	KUSAN ISMAYILOV	45	12		12

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Description		Unit #	Status
EDW-200		26805	W/A
1989 MFCU		18000	W/A
Dump Truck			
Working		Mobilization	MB
Standby	SB	Demobilization	DM
Downen Shop	DS	Available in Yard	AY
Down on Site	DS	Available on Job	AV

TIME OF ACTIVITY BY ITEM

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11300	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11000	Safety Meeting	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Ocean Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Dr# Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Borehole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Install Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Concrete Plug	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	15650	Water Watching	
31	14050	Well Development for Lift and Swab	
32	14100	Disposal of Flashes & Cuttings	
33	14150	Purchase & Install Test Pump and Discharge	
34	14200	Development Pumping	
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42	15650	Change Order Activities	
43	85000	Equipment Repairs	
44	90170	Damages	
45	80000	Field Superintendent	
		Lunch	
		TOTAL HOURS	

DEVELOPMENT

6-29-12

6-29-12

QUEST

JOB SITE NAME **NW-1**

Proposed Turkey Point Units 6 and 7

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1405

6-29-12

Fr: NISN /

IOB H

11771.1405.10000

JOB SITE LOCATION

TOY Turkey Point

RESEARCH AND COMMUNITY OUTREACH: A CHALLENGE FOR THE FUTURE

[illegible]

MATERIALS USED TODAY

Category	Description
	(1) Nighttime Operations
	(2) Local wild life
	PPE, Buddy system, loader safety, proper communication

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Description		Unit #	Status
ADW-200		28605	W/K
'89 Mack Dump		18000	SB
Cement Vm't		28145	SB
Working	WK	Mobile call on	MD
Standby	SB	Demobilized call on	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

TIME OF ACTIVITY BY ITEM IN

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Drill & Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	11205	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hdc Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Install Prod Hdc	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annul or Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cullings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Offsite Activities Standby	
41	19600	Fishing for Lost/Broken Tools	
42	19650	Change Order Activities	
43	88000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

M. T. De

6-29-12

OK bowl

6-29-72

CLIENT **FPL**

JOB SITE NAME Mw-1

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

PERSONNEL EMPLOYED TODAY

L-2012-300 Enclosure 1 Page 15 of 29

DATE _____

6-30-12

Sat. Days

JOB

11571-1405.10000

JOB SITE LOCATION

Turkey Point

DAILY ACCOUNTING OF ACTIVITIES BY ITEM R

Days Assignment	Employee / Job Name	Exp (Days) EQ	Costs (\$/hr)	Cost (\$) Hours	Total Hours
Drill	Bosir + Gulonov	45	12		12
✓ I	Mad Ischimov	45	12		12
✓ II	Kersan Ismatullayev	45	12		12
BSF	Bob Feetham	45	12		12

MATERIALS USED TODAY

Quantity	Unit
① Electrical Safety	
② Proper lifting techniques	
PPE, overhead cranes, ladder safety, slip safety, hand signals.	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

~~Not developing...~~

6-30-12

Description		Unit #	Scrub
FDW 200		28605	YK
'84 Mack Dump		18000	SB
Corent unit		28145	SB
Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	OS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

TIME OF ACTIVITY BY ITEM

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Mobile Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0005	Framing - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decon Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Driv Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Worchole Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Worchole Abandonment/Cement Plugs	
24	13350	Bearing	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Fluids & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Fishing for Lost/Broken Tooling	
42	19650	Change Order Activities	
43	28000	Equipment Repairs	
44	30170	Supplies	
45	00200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

FPL

JOB SITE NAME

Mw-f

Proposed Turkey Point Units 6 and 7

~~Docket Nos. 52-040 and 52-041~~

L-2012-300 Enclosure 1 Page 16 of 29

DATE _____

6-30-12

Sgt. Nigh + S

JOB #

119711405.10000

JOB SITE LOCATION

Turkey Point

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

[illegible]

MATERIALS USED TODAY

Quantity	Description
	① Eyes on Path
	② Prod. Hand signals
	PPE, Slip-trip-fall, Overhead dangers, Excavator safety, HIRA

EQUIPMENT DEPLOYED TODAY

Description		Unit #	Status
FDW-200			
189 Mack Dump			
Concrete Unit			

Working	WK	Mobilization	MB
Standby	ST	Demobilization	DM
Down in Shop	DS	Available in Yard	AV
Down on Site	DN	Available on Job	AV

TIME OF ACTIVITY BY ITEM #

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob/Demob	
3	11150	Job Preparation	
4	11200	Safety Meeting	
5	0008	Training - Overhead	
6	0004	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Clean up	
10	11350	Install Sound Walls	
11	11400	Install Decan Pad	
12	11450	Install Surface Casing	
13	11500	Install Roadway & Drill Pad	
14	12050	Test Hole Drilling	
15	12100	Geophysical Logging & Other Testing	
16	12150	Aquifer Zone Testing	
17	12200	Wellbore Abandonment	
18	13050	Production Well Installation	
19	13100	Install Conductor Pipe	
20	13150	Drill Pilot Hole	
21	13200	Geophysical Logging & Other Testing	
22	13250	Aquifer Zone Testing	
23	13300	Borehole Abandonment/Cement Plugs	
24	13350	Reaming	
25	13400	Under Reaming	
26	13450	Install Casing	
27	13500	Install Screen	
28	13550	Gravel Pack The Well	
29	13600	Install Annular Seal	
30	13650	Water Watching	
31	14050	Well Development Air Lift and Swab	
32	14100	Disposal of Rulks & Cuttings	
33	14150	Furnish & Install Test Pump and Discharge	
34	14200	Development Pumping	
35	14250	Test Pumping	
36	14300	Disinfection and Chlorination	
37	19050	Offsite Activities Mob/Demob	
38	19100	Shop	
39	19150	Administration	
40	19550	Other Activities Standby	
41	19600	Training for Lost/Broken Tooling	
42	19650	Exchange Order Activities	
43	68000	Equipment Repairs	
44	90170	Damages	
45	90200	Job Superintendent	
		Lunch	
		TOTAL HOURS	

COMPTON • EXACTS • COMPACT • CLIMAX • COMMUNICATION

Air Developing...

MAR

6-30-12

H. Grind

C-30-12

CLIENT **FPL**

mu-1

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

L-2012-300 Enclosure 1 Page 17 of 29

DATE _____

7-1-12

Sun. Days

JOB #

11721-1405.10000

JOB SITE LOCATION

ON Turkey Point

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
Aril	Bosi + Eubank	45	12		12
VM	Victor Nestor	45	12		12
TN	Juan Nieto	45	12		12

MATERIALS USED TODAY

Quantity	Description
	① Flammable & Solvents
	② Slings Safety
	Good Communication, arch welding safety, Proper tool use,

EQUIPMENT DEPLOYED TODAY

Description		Unit #	Status
FDW200		28605	Y/L
'89 Mack A.M.D		18000	SB
Cement unit		28145	SB
Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

TIME OF ACTIVITY BY ITEM

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Air Developing...

8-1-12

OK. 6-20

2-1-12

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

CLIENT

JOB SITE NAME MW-1

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-300 Enclosure 1 Page 18 of 29

DATE _____

7-1-V2
Sunday Nights

JOB # 11721, 1405, 10000

JOB SITE LOCATION Turkey Point

PERSONNEL EMPLOYED TODAY

EQUIPMENT DEPLOYED TODAY

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

[illegible]

Description		Unit #	Status
FDW 200		26605	WK
'84 Mack Dump		180005	1/3
Cement unit		28145	1/3
Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

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

MATERIALS USED TODAY

Quantity	Description
	① Electrical Safety
	② 100% Tie off
	HIRA, watch water levels, gasoline safety,

TIME OF ACTIVITY BY ITEM

[illegible]

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Riv Developing.

W.D.

7-1-12

H. Gunt

7-1-12

LAYNE CHRISTENSEN COMPANY - NON-DRILLING/SERVICE SHIFT REPORT

CLIENT

FPL

DATE _____

7-2-12

IOR #

11771-1465-10000

JOB SITE NAME

MW-1

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-300 Enclosure 1 Page 19 of 29

JOB SITE LOCATION**PERSONNEL EMPLOYED TODAY**

EQUIPMENT DEPLOYED TODAY

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
	Bos. + Gulomon	45	12		12
	Vluch Isminon	45	12		12
	Sean Nieto	45	12		12
	Paul Vaught	45	12		12
	Bob FectHom	45	12		12
	Victor Masileu	45	12		12
	KHUSAN ISMAILI	45	12		12

MATERIALS USED TODAY

[illegible]

Description		Unit #	Status
FWW-200		2265	
1989 make		1800	
Dump Truck			
Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

TIME OF ACTIVITY BY ITEM #

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob-Demob	
3	11150	Job Preparation	
4	11200	Safety Meetings	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Cleanup	
10	14300	Disinfection and Chlorination	
11	15050	Permanent Pump Install Well Head/Pitless	
12	15100	Furnish & Install Pump, Motor, Appurtenances	
13	15150	Furnish & Install Vault	
14	15200	Furnish & Install Discharge Piping	
15	15250	Furnish & Install Well Head Platform/Pad	
16	16050	Build & Treat Equipment Construct/Install Layout Bldg	
17	16100	Install Building	
18	16150	Concrete Work	
19	16200	Install Treatment Equipment	
20	16250	Install Misc. Equipment	
21	16300	Painting	
22	16350	Install Piping	
23	19050	Offsite Activities Mob/Demob	
24	19100	Shop	
25	19150	Administration	
26	19550	Other Activities Standby	
27	19600	Fishing for Lost/Broken Tooling	
28	19650	Change Order Activities	
29	88000	Equipment Repairs	
30	90170	Damages	
31	90200	Job Superintendent	
32	90210	Assistant Job Superintendent	
33	90220	Project Manager	
34	90230	Assistant Project Manager	
35	90240	Jobsite Admin Assistant	
36	90250	Project Engineer	
37	90260	Foreman	
		Lunch	
		TOTAL HOURS	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

UNSTAMP BLOCK, took upper zone water sample
Ry 19 Down DENNEN

Installer's Signature
1CC DSB2 082203

Date _____

Client's Signature

Date _____

Supervisor's Signature _____

Date _____

PAYROLL

LAYNE CHRISTENSEN COMPANY - NON-DRILLING/SERVICE SHIFT REPORT

CUENT

FR

DATE _____

7-3-2012

JOB #

11771-1405-10000

JOB SITE NAME

mw-1

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

L-2012-300 Enclosure 1 Page 20 of 29

JOB SITE LOCATION

DAILY ACCOUNTING OF ACTIVITIES BY ITEM #

Crew Assignment	Employee - Full Name	Per Diem? (X)	Onsite Hours	Offsite Hours	Total Hours
	Bos:it Gulomun	45	12		12
	Bill Crossley	45	12		12
	VLAD ISAIMON	45	12		12
	ANDREW PEPON	45	12		12
	Paul Vaught	45	12		12
	BOB FLEETHAM	45	12		12
	Victor Morcun	45	12		12

MATERIALS USED TODAY

Description		Unit #	Status
FLW-200		28605	
Dump Truck			
made 1989			
Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob-Demob	
3	11150	Job Preparation	
4	11200	Safety Meetings	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Cleanup	
10	14300	Disinfection and Chlorination	
11	15050	Permanent Pump install Well Head/Pitless	
12	15100	Furnish & Install Pump, Motor, Appurtenances	
13	15150	Furnish & Install Vault	
14	15200	Furnish & Install Discharge Piping	
15	15250	Furnish & Install Well Head Platform/Pad	
16	16050	Build & Treat Equipment Construct/Install Layout Bldg	
17	16100	Install Building	
18	16150	Concrete Work	
19	16200	Install Treatment Equipment	
20	16250	Install Misc. Equipment	
21	16300	Painting	
22	16350	Install Piping	
23	19050	Offsite Activities Mob/Demob	
24	19100	Shop	
25	19150	Administration	
26	19550	Other Activities Standby	
27	19600	Fishing for Lost/Broken Tooling	
28	19650	Change Order Activities	
29	88000	Equipment Repairs	
30	90170	Damages	
31	90200	Job Superintendent	
32	90210	Assistant Job Superintendent	
33	90220	Project Manager	
34	90230	Assistant Project Manager	
35	90240	Jobsite Admin Assistant	
36	90250	Project Engineer	
37	90260	Foreman	
		Lunch	
		TOTAL HOURS	

Quantity	Description
	Khusau Ismaullaw 45 12-12
	Mike, Ramier 45 12-12
	safe meeting
	like, and Puch Point.

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Ry move, and Brock clown

Installer's Signature
LCC (582) 0822(P)

Client's Signature

Date _____

Supervisor's Signature _____

Date _____

PAYROLL

LAYNE CHRISTENSEN COMPANY - NON-DRILLING/SERVICE SHIFT REPORT

CLIENT

FDL

DATE

7-4-2012

JOB #

11771-1405-10000

JOB SITE NAME

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

L-2012-300 Enclosure 1 Page 21 of 29

JOBSITE LOCATION

PERSONNEL EMPLOYED TODAY

EQUIPMENT DEPLOYED TODAY

DAILY ACCOUNTING OF ACTIVITIES BY ITEM. #

[illegible]

MATERIALS USED TODAY

Quantity	Description
	no work on site do to 4 th of July

[illegible]

Working	WK	Mobilization	MB
Standby	SB	Demobilization	DM
Down in Shop	DS	Available in Yard	AY
Down on Site	DN	Available on Job	AV



TIME OF ACTIVITY BY ITEM

[illegible]

Item #	Cost Code	Labor Activity	Hours
1	10000	Short Duration Job	
2	11100	Onsite Mob-Demob	
3	11150	Job Preparation	
4	11200	Safety Meetings	
5	0005	Training - Overhead	
6	0006	Shop - Overhead	
7	0007	Maintenance - Overhead	
8	11250	Training - Job Chargeable	
9	11300	Site Cleanup	
10	14300	Disinfection and Chlorination	
11	15050	Permanent Pump Install Well Head/Pitless	
12	15100	Furnish & Install Pump, Motor, Appurtenances	
13	15150	Furnish & Install Vault	
14	15200	Furnish & Install Discharge Piping	
15	15250	Furnish & Install Well Head Platform/Pad	
16	16050	Build & Treat Equipment Construct/Install Layout Bldg	
17	16100	Install Building	
18	16150	Concrete Work	
19	16200	Install Treatment Equipment	
20	16250	Install Misc. Equipment	
21	16300	Painting	
22	16350	Install Piping	
23	19050	Offsite Activities Mob/Demob	
24	19100	Shop	
25	19150	Administration	
26	19550	Other Activities Standby	
27	19600	Fishing for Lost/Broken Tooling	
28	19650	Change Order Activities	
29	88000	Equipment Repairs	
30	90170	Damages	
31	90200	Job Superintendent	
32	90210	Assistant Job Superintendent	
33	90220	Project Manager	
34	90230	Assistant Project Manager	
35	90240	Jobsite Admin Assistant	
36	90250	Project Engineer	
37	90260	Foreman	
		Lunch	
		TOTAL HOURS	

COMMENTS - EVENTS - CONDITIONS - CHANGES - OTHER INFORMATION

Installer's Signature _____
LCC DSR2 082209

Installer's Signature _____ Date _____


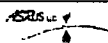
Client's Signature


Date _____


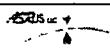
Supervisor's Signature Bell Cross Date 7-4-12

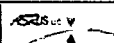
Day



PAYROLL



Project: Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1								 
EW-1 Pad Monitoring Well Water Quality Data Northeast Pad Monitoring Well (NE-EW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1108	10.49	-1.61	78,700	32,200	57,000	29.8	Background Sampling
4/29/2011	1157	10.68	-1.80	80,400	29,900	53,800	30.4	
5/5/2011	1157	11.40	-2.52	81,400	27,500	52,350	31.2	
5/11/2011	1309	11.00	-2.12	76,800	31,600	51,200	29.7	
5/19/2011	0958	10.48	-1.60	72,600	35,600	51,200	29.5	
5/26/2011	1050	10.76	-1.88	71,360	29,500	52,900	29.7	
6/2/2011	1134	10.78	-1.90	71,700	29,000	55,700	29.6	
6/9/2011	1128	10.61	-1.73	69,700	32,300	50,650	29.3	
6/16/2011	0958	10.35	-1.47	69,300	33,000	53,450	29.5	
6/23/2011	1028	10.41	-1.53	69,400	30,600	55,600	29.5	
6/30/2011	0928	10.15	-1.27	70,300	27,600	51,950	29.2	
7/8/2011	1210	9.00	-0.12	72,570	30,100	54,150	29.9	
7/14/2011	1338	9.75	-0.87	76,400	27,200	54,550	29.9	
7/21/2011	1039	9.35	-0.47	72,200	32,600	49,760	29.7	
7/28/2011	1119	9.51	-0.63	71,600	30,200	54,250	29.7	
8/4/2011	1249	9.70	-0.82	64,400	31,500	53,850	27.5	
8/11/2011	1059	9.25	-0.37	73,900	29,500	57,150	29.6	
8/18/2011	1039	9.45	-0.57	71,900	29,400	54,850	30.0	
8/25/2011	1039	9.45	-0.57	69,800	31,300	55,550	29.7	
9/1/2011	1109	9.15	-0.27	71,700	29,500	56,300	29.9	
9/8/2011	1049	9.15	-0.27	70,700	31,400	49,800	30.3	
9/16/2011	1233	9.30	-0.42	5320*	1260*	2668*	27.8	
9/23/2011	1129	9.10	-0.22	72,900	31,200	52,750	30.1	
9/29/2011	1330	9.16	-0.28	11,500*	3,200*	7,010*	27.8	
10/6/2011	1119	9.30	-0.42	72,600	30,000	56,200	30.1	
10/13/2011	1058	10.15	-1.27	75,200	32,500	51,600	30.1	
10/20/2011	1049	8.40	0.48	68,400	29,100	57,450	29.9	
10/27/2011	1109	8.95	-0.07	80,200	27,700	54,950	30.0	
11/3/2011	1049	8.91	-0.03	80,200	31,100	55,700	29.9	
11/10/2011	0958	9.67	-0.79	75,500	28,700	59,600	30.0	
11/17/2011	1058	10.81	-1.93	68,400	34,900	57,500	30.1	
11/25/2011	0939	9.51	-0.63	69,300	26,500	52,750	30.0	
12/1/2011	1138	9.67	-0.79	66,000	29,800	55,200	29.8	
12/8/2011	1058	10.31	-1.43	63,800	30,100	57,050	27.5	
12/15/2011	1109	9.61	-0.73	75,400	28,300	53,700	30.0	
12/22/2011	1038	9.67	-0.79	69,300	29,500	51,800	30.7	
12/29/2011	0918	9.87	-0.99	76,900	30,800	51,300	29.7	
1/5/2012	1118	10.41	-1.53	70,400	28,100	52,200	29.5	
1/12/2012	1058	10.21	-1.33	75,200	28,200	50,900	29.9	
1/19/2012	0958	10.30	-1.42	75,200	27,700	49,300	29.8	
1/26/2012	1048	10.22	-1.34	72,300	29,400	55,300	30.0	
2/2/2012	1048	10.21	-1.33	71,300	28,400	50,700	29.9	
2/10/2012	1029	9.15	-0.27	71,400	30,400	52,400	30.0	
2/16/2012	1219	9.47	-0.59	72,300	27,000	53,300	29.9	
2/23/2012	1049	9.57	-0.69	72,300	29,600	55,100	30.1	
3/1/2012	1038	9.74	-0.86	72,300	31,500	50,100	30.0	
3/8/2012	1058	9.76	-0.88	72,200	31,600	53,100	29.3	
3/16/2012	1038	9.65	-0.77	72,100	34,900	53,100	29.9	
3/22/2012	1108	9.90	-1.02	72,400	30,800	48,700	29.8	
3/29/2012	0911	9.87	-0.99	72,500	29,100	48,600	29.2	
4/5/2012	1208	10.25	-1.37	71,600	29,200	50,800	30.0	
4/12/2012	1118	10.15	-1.27	71,500	32,000	52,700	30.1	
4/19/2012	1143	9.85	-0.97	72,000	34,000	54,500	30.3	
4/26/2012	1009	9.50	-0.62	72,100	36,000	54,200	29.7	
5/3/2012	1144	8.85	0.03	72,400	36,500	50,900	29.6	
5/10/2012	1109	9.42	-0.54	72,800	32,000	51,700	29.7	
5/17/2012	0959	9.05	-0.17	73,200	29,500	53,200	29.7	
5/24/2012	1229	8.65	0.23	72,200	28,900	51,900	29.6	
5/31/2012	1214	9.04	-0.16	72,800	30,900	51,200	29.9	
6/8/2012	1029	9.32	-0.44	72,800	30,700	50,900	29.9	
6/14/2012	1029	9.55	-0.67	72,000	30,700	53,500	30.2	
6/21/2012	1129	9.25	-0.37	72,800	30,600	51,300	29.7	
6/28/2012	1019	9.10	-0.22	72,900	29,800	52,000	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. Countermeasures to prevent reoccurrence have been implemented. Note: TOC elevation is: 8.88 feet NAVD 88								


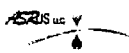
Project:		Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1						<div>MHC</div> <div></div>	
EW-1 Pad Monitoring Well Water Quality Data Southeast Pad Monitoring Well (SE-EW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
4/21/2011	1311	10.10	-1.51	81,600	30,200	57,800	29.9	Background Sampling	
4/29/2011	1349	10.40	-1.81	86,700	33,100	55,000	30.4		
5/5/2011	1008	11.10	-2.51	83,000	29,500	54,700	29.9		
5/11/2011	1228	10.65	-2.06	78,200	30,100	52,600	30.1		
5/19/2011	1039	10.12	-1.53	75,200	30,000	51,100	29.8		
5/26/2011	1235	10.47	-1.88	73,890	31,200	53,800	29.9		
6/2/2011	1056	10.50	-1.91	74,200	29,400	57,400	29.6		
6/9/2011	1210	10.32	-1.73	72,200	32,100	51,000	29.6		
6/16/2011	1035	10.00	-1.41	71,300	32,200	54,000	29.8		
6/23/2011	1109	10.10	-1.51	71,900	31,600	55,650	29.8		
6/30/2011	1009	9.85	-1.26	72,800	27,600	53,050	29.5		
7/8/2011	1138	9.12	-0.53	73,150	29,800	54,450	29.9		
7/14/2011	1414	9.48	-0.89	79,700	29,000	55,350	29.8		
7/21/2011	1119	9.36	-0.77	74,100	34,000	54,100	30.0		
7/28/2011	1229	9.55	-0.96	74,300	30,200	56,300	29.8		
8/4/2011	1224	9.50	-0.91	72,700	31,500	53,000	27.7		
8/11/2011	1209	9.37	-0.78	77,400	30,000	56,800	29.7		
8/18/2011	1149	9.45	-0.86	74,100	30,100	55,500	30.0		
8/25/2011	1149	9.38	-0.79	73,300	31,200	57,450	29.6		
9/1/2011	1224	9.10	-0.51	72,700	30,700	57,300	29.8		
9/8/2011	1159	9.21	-0.62	73,200	32,200	51,800	30.1		
9/16/2011	1303	9.40	-0.81	70,280	29,600	50,550	27.7		
9/23/2011	1239	9.20	-0.61	75,200	29,000	55,550	29.8		
9/29/2011	1300	9.10	-0.51	68,500	30,700	53,600	27.4		
10/6/2011	1229	9.25	-0.66	79,100	31,300	54,050	30.0		
10/13/2011	1209	9.95	-1.36	76,900	30,200	52,250	30.1		
10/20/2011	1200	8.60	-0.01	69,900	28,000	57,150	29.8		
10/27/2011	1218	8.81	-0.22	82,400	28,000	56,500	30.0		
11/3/2011	1159	9.56	-0.97	82,900	31,000	56,400	30.1		
11/10/2011	1109	9.96	-1.37	78,300	27,900	60,500	30.1		
11/17/2011	1208	10.90	-2.31	69,700	34,000	57,800	30.2		
11/25/2011	1049	9.36	-0.77	69,900	26,900	53,600	30.0		
12/1/2011	1248	10.85	-2.26	71,800	33,900	57,000	30.2		
12/8/2011	1209	9.87	-1.28	68,900	29,500	61,500	27.0		
12/15/2011	1219	9.53	-0.94	76,600	28,000	55,100	30.1		
12/22/2011	1149	9.65	-1.06	72,300	29,000	52,400	30.0		
12/29/2011	1029	9.96	-1.37	77,600	29,800	52,200	30.1		
1/5/2012	1229	10.31	-1.72	72,800	27,700	53,400	30.1		
1/12/2012	1204	10.10	-1.51	76,000	30,800	52,900	30.1		
1/19/2012	1139	10.38	-1.79	76,500	28,100	50,800	30.0		
1/26/2012	1229	10.18	-1.59	73,200	29,900	56,300	30.1		
2/2/2012	1229	10.23	-1.64	72,400	27,900	52,000	30.1		
2/10/2012	1209	9.21	-0.62	72,000	29,800	55,400	30.2		
2/16/2012	1359	9.45	-0.86	72,700	27,700	57,200	30.2		
2/23/2012	1229	9.48	-0.89	72,800	32,100	57,000	30.2		
3/1/2012	1219	9.61	-1.02	72,800	31,000	51,700	30.2		
3/8/2012	1244	9.81	-1.22	72,500	32,500	52,500	29.9		
3/16/2012	1219	9.61	-1.02	72,900	34,300	53,100	30.3		
3/22/2012	1249	9.87	-1.28	72,600	31,000	51,100	30.2		
3/29/2012	1054	9.97	-1.38	72,900	29,500	51,200	29.9		
4/5/2012	1341	10.05	-1.46	72,300	29,500	52,200	30.2		
4/12/2012	1259	9.98	-1.39	72,200	31,200	53,800	30.5		
4/19/2012	1244	9.90	-1.31	71,800	33,500	54,500	30.4		
4/26/2012	1144	9.61	-1.02	72,200	35,500	54,500	30.0		
5/3/2012	1249	8.97	-0.38	73,100	37,400	51,700	30.2		
5/10/2012	1242	9.32	-0.73	73,300	32,100	53,100	30.2		
5/17/2012	1134	9.10	-0.51	73,300	27,700	54,100	30.1		
5/24/2012	1404	8.75	-0.16	73,400	30,600	54,100	30.3		
5/31/2012	1343	9.10	-0.51	73,900	31,000	50,500	30.1		
6/8/2012	1202	9.30	-0.71	73,300	31,100	53,200	30.3		
6/14/2012	1209	9.38	-0.79	73,700	31,500	54,700	30.6		
6/21/2012	1316	9.03	-0.44	73,700	29,900	52,300	30.2		
6/28/2012	1159	9.20	-0.61	73,800	27,300	49,300	30.3		
<div>ft. btoc: feet below top of casing</div> <div>TOC: Top of Casing</div> <div>ft. NAVD 88: North American Vertical Datum of 1988</div> <div>umhos/cm: micromhos per centimeter</div> <div>mg/L: milligrams per liter</div> <div>C: Celsius</div> <div>Note: TOC elevation is: 8.59 feet NAVD 88</div>									

Project: Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1								 
EW-1 Pad Monitoring Well Water Quality Data Northwest Pad Monitoring Well (NW-EW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1221	10.50	-1.66	84,300	33,500	59,900	30.8	Background Sampling
4/29/2011	1120	10.65	-1.81	86,300	33,700	56,400	30.0	
5/5/2011	1051	11.40	-2.56	87,400	31,300	57,650	31.1	
5/11/2011	1034	12.40	-3.56	79,100	33,500	55,650	30.4	
5/19/2011	1113	13.90	-5.06	80,000	36,000	53,700	30.4	
5/26/2011	1125	10.73	-1.89	75,130	32,300	55,450	30.4	
6/2/2011	1215	10.75	-1.91	75,900	30,700	59,500	30.3	
6/9/2011	1248	10.60	-1.76	72,500	32,200	51,950	29.9	
6/16/2011	1118	10.25	-1.41	72,500	31,500	54,550	30.0	
6/23/2011	1143	10.37	-1.53	73,300	31,600	57,750	30.3	
6/30/2011	1049	10.10	-1.26	75,700	27,400	54,300	30.0	
7/8/2011	1112	9.38	-0.54	74,100	30,700	53,950	30.3	
7/14/2011	1524	9.75	-0.91	79,900	27,600	56,350	30.3	
7/21/2011	1226	9.60	-0.76	76,200	32,600	54,500	29.7	
7/28/2011	1154	9.80	-0.96	74,900	32,200	57,050	30.5	
8/4/2011	1317	9.85	-1.01	78,000	30,500	59,300	28.7	
8/11/2011	1134	9.61	-0.77	77,600	31,100	58,150	30.4	
8/18/2011	1114	9.68	-0.84	73,100	30,000	55,350	30.6	
8/25/2011	1114	9.61	-0.77	72,300	31,800	56,950	30.0	
9/1/2011	1149	9.33	-0.49	71,900	29,300	56,000	30.4	
9/8/2011	1124	9.45	-0.61	73,800	30,100	52,300	30.5	
9/16/2011	1203	9.60	-0.76	67,200	23,400	51,650	28.2	
9/23/2011	1204	9.43	-0.59	73,800	30,800	54,450	30.4	
9/29/2011	1205	9.35	-0.51	68,700	27,500	50,800	27.6	
10/6/2011	1154	9.50	-0.66	78,400	30,000	56,550	30.2	
10/13/2011	1133	10.21	-1.37	75,800	29,300	50,500	30.2	
10/20/2011	1124	8.81	0.03	70,200	27,500	56,850	30.1	
10/27/2011	1143	10.39	-1.55	81,500	28,800	54,600	30.2	
11/3/2011	1123	10.50	-1.66	80,500	30,400	55,900	30.1	
11/10/2011	1033	10.37	-1.53	77,800	27,800	58,700	30.1	
11/17/2011	1133	10.71	-1.87	67,900	30,500	57,000	30.3	
11/25/2011	1014	9.58	-0.74	71,700	27,400	53,300	30.2	
12/1/2011	1214	9.80	-0.96	68,500	33,500	53,650	30.1	
12/8/2011	1133	10.37	-1.53	68,700	27,600	57,850	27.7	
12/15/2011	1144	9.75	-0.91	75,500	28,200	52,000	30.0	
12/22/2011	1114	9.87	-1.03	70,600	27,700	52,100	29.9	
12/29/2011	0954	9.97	-1.13	77,700	29,500	51,600	29.9	
1/5/2012	1153	10.52	-1.68	71,800	28,000	52,800	29.6	
1/12/2012	1133	10.35	-1.51	75,400	30,400	51,900	30.0	
1/19/2012	1033	10.42	-1.58	75,600	29,800	50,200	29.9	
1/26/2012	1123	10.35	-1.51	73,200	29,500	56,000	29.9	
2/2/2012	1123	10.35	-1.51	71,100	27,400	51,200	29.9	
2/10/2012	1104	9.38	-0.54	70,300	28,800	54,900	29.8	
2/16/2012	1254	9.67	-0.83	71,100	27,800	55,200	29.8	
2/23/2012	1124	9.67	-0.83	72,100	30,700	56,200	29.8	
3/1/2012	1114	9.91	-1.07	71,500	31,000	51,200	29.7	
3/8/2012	1139	9.62	-0.78	71,600	30,500	52,800	29.4	
3/16/2012	1114	9.85	-1.01	71,500	34,100	52,400	29.7	
3/22/2012	1144	10.10	-1.26	71,400	30,200	48,700	29.6	
3/29/2012	0949	9.93	-1.09	71,500	28,400	51,200	29.6	
4/5/2012	1241	10.09	-1.25	71,300	28,900	51,100	29.7	
4/12/2012	1154	10.00	-1.16	71,300	29,300	52,600	29.9	
4/19/2012	1109	9.97	-1.13	71,400	31,500	53,300	30.2	
4/26/2012	1042	9.68	-0.84	71,700	31,300	53,000	29.6	
5/3/2012	1109	9.00	-0.16	72,200	34,200	49,500	29.5	
5/10/2012	1142	9.35	-0.51	72,500	31,400	52,000	29.5	
5/17/2012	1032	9.10	-0.26	72,700	30,200	52,300	29.6	
5/24/2012	1302	8.75	0.09	72,600	30,300	52,800	29.5	
5/31/2012	1247	9.07	-0.23	73,100	32,100	48,800	29.6	
6/8/2012	1102	9.35	-0.51	71,800	30,300	52,200	29.7	
6/14/2012	1104	9.37	-0.53	72,300	30,200	53,200	30.3	
6/21/2012	1214	8.76	0.08	72,600	28,500	51,100	29.7	
6/28/2012	1054	9.12	-0.28	72,500	30,700	51,900	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 Note: TOC elevation is: 8.84 feet NAVD 88								

Project:		Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1						<div>MHC</div> <div></div>	
EW-1 Pad Monitoring Well Water Quality Data Southwest Pad Monitoring Well (SW-EW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
4/21/2011	1414	10.50	-1.62	72,500	26,400	51,500	30.6	Background Sampling	
4/29/2011	1025	10.60	-1.72	77,400	28,300	51,600	29.8		
5/5/2011	0930	11.85	-2.97	75,200	29,000	49,400	28.7		
5/11/2011	1124	16.40	-7.52	78,100	28,300	51,050	31.6		
5/19/2011	1202	15.95	-7.07	73,100	29,700	48,450	32.6		
5/26/2011	1155	11.20	-2.32	66,630	27,800	48,350	29.4		
6/2/2011	1035	11.25	-2.37	68,500	26,000	52,600	29.4		
6/9/2011	1319	11.05	-2.17	65,400	26,300	44,150	29.5		
6/16/2011	1154	10.75	-1.87	64,900	27,000	48,450	29.5		
6/23/2011	1214	10.85	-1.97	65,500	30,400	50,800	29.6		
6/30/2011	1119	10.60	-1.72	68,500	24,300	46,650	29.4		
7/8/2011	1045	9.85	-0.97	64,950	25,600	47,650	29.6		
7/14/2011	1445	10.22	-1.34	69,900	24,800	48,300	29.6		
7/21/2011	1154	10.10	-1.22	67,800	27,400	47,900	29.6		
7/28/2011	1259	10.26	-1.38	67,000	26,600	48,650	27.7		
8/4/2011	1157	10.30	-1.42	68,420	25,600	51,350	27.5		
8/11/2011	1243	9.21	-0.33	67,800	26,400	51,150	29.7		
8/18/2011	1219	10.15	-1.27	66,300	25,400	47,500	29.8		
8/25/2011	1219	10.31	-1.43	66,000	26,900	50,150	29.4		
9/1/2011	1254	9.87	-0.99	65,400	25,700	49,450	29.8		
9/8/2011	1229	9.97	-1.09	66,800	26,300	46,500	29.9		
9/16/2011	1329	10.10	-1.22	64,000	25,700	46,800	28.0		
9/23/2011	1309	9.95	-1.07	66,200	25,800	47,500	29.6		
9/29/2011	1230	9.80	-0.92	64,100	25,400	46,150	27.7		
10/6/2011	1259	9.97	-1.09	76,200	25,800	45,800	29.7		
10/13/2011	1239	10.67	-1.79	69,100	26,100	46,700	29.8		
10/20/2011	1229	9.31	-0.43	64,700	23,800	51,100	29.6		
10/27/2011	1249	10.87	-1.99	75,600	26,500	50,000	29.7		
11/3/2011	1229	10.93	-2.05	75,600	27,700	49,750	29.7		
11/10/2011	1139	10.91	-2.03	73,500	25,500	53,300	29.7		
11/17/2011	1238	11.41	-2.53	63,800	26,900	50,400	29.7		
11/25/2011	1119	10.05	-1.17	65,800	24,900	48,950	29.7		
12/1/2011	1323	11.42	-2.54	65,900	29,600	51,100	29.6		
12/8/2011	1239	10.98	-2.10	64,900	24,800	52,450	27.3		
12/15/2011	1247	10.27	-1.39	70,100	24,800	49,700	29.4		
12/22/2011	1219	10.27	-1.39	66,800	24,900	45,600	29.7		
12/29/2011	1059	10.67	-1.79	71,100	26,400	46,300	29.5		
1/5/2012	1259	11.03	-2.15	64,800	24,900	47,600	29.3		
1/12/2012	1234	10.87	-1.99	69,000	25,700	47,000	29.6		
1/19/2012	1104	11.00	-2.12	69,100	24,900	44,200	29.4		
1/26/2012	1154	10.85	-1.97	67,500	25,900	50,100	29.4		
2/2/2012	1154	10.97	-2.09	65,300	25,200	46,200	29.5		
2/10/2012	1134	9.91	-1.03	65,300	25,400	48,900	29.6		
2/16/2012	1324	10.15	-1.27	64,600	24,100	50,500	29.4		
2/23/2012	1154	10.24	-1.36	65,300	24,100	50,500	29.5		
3/1/2012	1144	10.27	-1.39	65,300	26,900	45,900	29.4		
3/8/2012	1209	10.31	-1.43	65,300	27,400	47,700	30.0		
3/16/2012	1144	10.35	-1.47	65,300	29,800	47,200	29.3		
3/22/2012	1214	10.61	-1.73	65,500	27,100	44,600	29.3		
3/29/2012	1019	10.18	-1.30	65,500	26,100	45,900	29.5		
4/5/2012	1309	10.72	-1.84	65,300	25,600	48,200	29.4		
4/12/2012	1224	10.60	-1.72	65,000	27,000	49,700	30.5		
4/19/2012	1211	10.65	-1.77	65,400	28,200	50,800	30.6		
4/26/2012	1109	10.32	-1.44	66,000	30,900	49,800	29.2		
5/3/2012	1214	9.70	-0.82	67,200	30,800	47,700	29.2		
5/10/2012	1209	10.02	-1.14	68,700	30,200	49,600	29.2		
5/17/2012	1100	9.85	-0.97	68,700	27,800	49,200	28.9		
5/24/2012	1330	9.47	-0.59	68,700	28,000	49,600	29.2		
5/31/2012	1314	9.91	-1.03	68,400	28,900	49,400	29.3		
6/8/2012	1129	10.10	-1.22	68,300	29,700	49,600	29.4		
6/14/2012	1134	10.15	-1.27	67,300	28,500	50,100	29.5		
6/21/2012	1243	9.75	-0.87	68,800	27,200	48,500	29.3		
6/28/2012	1124	9.98	-1.10	68,900	29,400	53,000	29.7		
<div>ft. btoc: feet below top of casing</div> <div>TOC: Top of Casing</div> <div>ft. NAVD 88: North American Vertical Datum of 1988</div> <div>umhos/cm: micromhos per centimeter</div> <div>mg/L: milligrams per liter</div> <div>C: Celsius</div> <div>Note: TOC elevation is: 8.88 feet NAVD 88</div>									

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Northeast Pad Monitoring Well (NE-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	0958	8.15	-1.08	73,100	33,300	52,200	30.1	Background Sampling	
3/29/2012	1128	8.23	-1.16	73,000	29,600	51,400	30.1		
4/6/2012	0858	8.30	-1.23	72,200	28,800	51,200	30.1		
4/13/2012	1128	8.25	-1.18	72,300	33,900	53,100	30.2		
4/20/2012	1038	8.20	-1.13	72,000	34,700	54,500	30.1		
4/27/2012	0958	7.95	-0.88	72,100	37,300	55,100	29.8		
5/4/2012	1009	7.22	-0.15	72,400	29,900	51,100	29.8		
5/11/2012	1229	7.65	-0.58	72,300	34,700	53,000	30.0		
5/18/2012	1109	7.43	-0.36	73,500	37,600	51,100	30.3		
5/25/2012	1239	7.33	-0.26	73,900	34,300	54,100	30.1		
6/1/2012	1259	7.45	-0.38	74,000	33,300	51,300	29.9		
6/8/2012	1237	7.65	-0.58	73,600	31,700	52,100	30.3		
6/15/2012	1226	7.67	-0.60	73,800	33,300	54,500	30.4		
6/22/2012	1219	7.37	-0.30	73,300	32,100	57,200	30.2		
6/29/2012	1144	7.50	-0.43	73,800	29,600	53,700	30.2		
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 Top of Casing Elevation: 7.07 feet NAVD 88									

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Southeast Pad Monitoring Well (SE-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1033	8.25	-1.08	72,700	33,900	50,500	30.1	Background Sampling	
3/29/2012	1303	8.33	-1.16	72,800	29,200	50,400	30.2		
4/6/2012	1028	8.30	-1.13	72,300	29,300	53,300	30.2		
4/13/2012	1303	8.32	-1.15	72,400	33,800	54,600	30.2		
4/20/2012	1213	8.28	-1.11	72,300	31,700	55,400	30.2		
4/27/2012	1133	8.10	-0.93	72,600	34,600	53,900	29.5		
5/4/2012	1141	7.40	-0.23	73,300	29,700	52,700	30.0		
5/11/2012	1403	7.67	-0.50	72,700	34,100	52,000	30.1		
5/18/2012	1240	7.58	-0.41	74,000	33,100	52,000	30.7		
5/25/2012	1415	7.43	-0.26	73,900	32,400	52,600	29.7		
6/1/2012	1119	7.50	-0.33	73,900	32,100	51,300	29.8		
6/8/2012	1408	7.72	-0.55	73,400	30,800	52,700	30.3		
6/15/2012	1058	7.70	-0.53	73,200	33,500	53,900	30.2		
6/22/2012	1350	7.48	-0.31	73,100	30,500	54,100	29.4		
6/29/2012	1320	7.74	-0.57	73,300	28,100	52,900	30.6		
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.17 feet NAVD 88									

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Southwest Pad Monitoring Well (SW-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoC)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1137	8.34	-0.97	73,300	32,900	50,300	30.1	Background Sampling	
3/29/2012	1229	8.38	-1.01	73,100	29,900	50,700	30.2		
4/6/2012	0954	8.50	-1.13	72,000	28,800	52,500	29.9		
4/13/2012	1227	8.52	-1.15	72,000	32,300	54,400	29.9		
4/20/2012	1139	8.45	-1.08	72,100	31,800	53,700	29.9		
4/27/2012	1101	8.25	-0.88	72,600	31,800	55,300	29.9		
5/4/2012	1108	7.60	-0.23	73,200	30,500	52,600	29.6		
5/11/2012	1331	7.95	-0.58	71,500	35,400	53,800	29.5		
5/18/2012	1208	7.82	-0.45	73,800	32,600	51,200	29.9		
5/25/2012	1343	7.68	-0.31	73,900	33,500	53,600	29.8		
6/1/2012	1151	7.71	-0.34	74,100	30,700	51,500	29.5		
6/8/2012	1336	7.97	-0.60	73,300	30,900	53,400	29.9		
6/15/2012	1131	7.95	-0.58	73,400	32,000	53,600	29.9		
6/22/2012	1318	7.68	-0.31	73,800	30,000	56,000	29.7		
6/29/2012	1248	7.89	-0.52	73,400	29,600	53,000	29.9		
ft. btoC: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.37 feet NAVD 88									

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

Date	Time (hours)	Depth to Water (ft. btoe)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1103	8.27	-1.08	73,600	29,500	53,100	29.9	Background Sampling
3/29/2012	1158	8.31	-1.12	73,400	30,100	48,400	30.0	
4/6/2012	0926	8.35	-1.16	72,100	29,200	51,400	29.8	
4/13/2012	1157	8.41	-1.22	72,200	34,600	55,000	30.4	
4/20/2012	1108	8.35	-1.16	72,000	31,400	55,500	29.9	
4/27/2012	1027	8.05	-0.86	72,200	32,200	53,900	29.8	
5/4/2012	1037	7.12	0.07	72,800	30,800	52,400	29.6	
5/11/2012	1258	8.45	-1.26	72,300	33,700	53,000	29.8	
5/18/2012	1137	7.30	-0.11	73,600	35,100	51,800	29.8	
5/25/2012	1309	7.10	0.09	73,400	32,200	53,300	29.7	
6/1/2012	1219	7.25	-0.06	73,800	31,900	52,700	29.6	
6/8/2012	1304	7.50	-0.31	73,400	31,500	51,800	30.0	
6/15/2012	1159	7.51	-0.32	73,700	32,500	54,800	30.1	
6/22/2012	1247	7.21	-0.02	73,800	30,500	54,200	29.7	
6/29/2012	1214	7.38	-0.19	73,600	29,300	53,400	29.8	

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

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-300 Enclosure 2 Page 1 of 20

Enclosure 2

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #62 dated July 13, 2012

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

July 13, 2012

MHCDEP-12-0276

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 #62**

Dear Mr. May:

This is the sixty-second weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, July 5, 2012 and ended at 7:00 AM, Thursday, July 12, 2012. Drilling contractor daily reports were not prepared this week since there was no construction or testing activities at the site. Consultant daily reports were prepared for this reporting period. Copies of the consultant daily construction logs are attached.

During the previous reporting period the drilling contractor installed the DZMW-1 wellhead, performed development of the upper and lower monitor zones and continued demobilizing from the site. Background water samples were collected for laboratory analysis from the upper monitor zone after the zone was fully developed. Development of the lower monitor zone was not yet completed by the end of the reporting period.

During this reporting period the drilling contractor continued to demobilize from the site and performed development of the lower monitor zone of DZMW-1 in preparation for background water sampling. Re-development of the upper monitor zone of DZMW-1 also began in preparation for re-sampling the upper monitor zone. Re-sampling of the upper zone for all parameters will take place to confirm a positive result for total coliform in the original upper monitor zone background sample. Tables providing a summary of the lower monitor zone development and the upper monitor zone re-development are attached.

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

During the next reporting period, it is anticipated that the drilling contractor will complete development of the lower monitor zone, complete re-development of the upper monitor

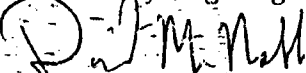
zone, collect background water samples for laboratory analysis from the upper and lower monitor zones, perform a video log of the completed well and complete demobilization from the site.

In addition, sampling of the pad monitor wells around EW-1 and DZMW-1 began on April 21, 2011 and March 20, 2012, respectively, and has been taking place on a weekly basis since the initial samplings. The final sampling of the EW-1 pad monitor wells was on July 5, 2012. The DZMW-1 pad monitor wells were most recently sampled on July 13, 2012. The most recent set of DZMW-1 pad monitoring well sample results available are for samples collected on July 6, 2012. Copies of the EW-1 and DZMW-1 pad monitor well water quality data summary sheets are attached.

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

Sincerely,

McNabb Hydrogeologic Consulting, Inc.



7/12/12
David McNabb, P.G.

Attachments: Consultant Daily Construction Log
EW-1 Pad Monitor Well Water Quality Data Summary Sheets
DZMW-1 Pad Monitor Well Water Quality Data Summary Sheets
DZMW-1 Lower Monitor Zone Development Summary Sheet
DZMW-1 Upper Monitor Zone Re-Development Summary Sheet

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

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



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 5, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: NA

Weather Day: NA

Weather Night: NA

Activity: Demobilization

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1

Bit Diameter: NA

Ending Depth: NA

Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

The drilling contractor continues to demobilize from the site.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 6, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Partly Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Demobilization and Lower Monitor Zone Development

CONSTRUCTION ACTIVITIES

- 0800 The drilling contractor continues to demobilize from the site and is preparing to resume air-lift development of the lower monitor zone.
- 0915 The drilling contractor begins to lower the 2 3/8-inch diameter drop pipe inside the 6 5/8-inch diameter fiberglass reinforced pipe (FRP).
- 1100 The drilling contractor begins air-lift development for the lower monitor zone. The estimated discharge rate during air-lifting is 30 gallons per minute (gpm).
- 1400 The drilling contractor continues air-lift development on the lower monitor zone.
- 1600 The drilling contractor continues air-lift development on the lower monitor zone.
- 1800 The drilling contractor continues air-lift development on the lower monitor zone. The estimated discharge rate during air-lifting is 30 gpm.
- 1840 The drilling contractor stops air-lift development of the lower monitor zone and plans to resume development on Monday, July 9, 2012. There will be no demobilization activities on site during the weekend.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 7, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: NA

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1

Bit Diameter: NA

Ending Depth: NA

Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

There was no activity at the site.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 8, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: NA

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1

Bit Diameter: NA

Ending Depth: NA

Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

There was no activity at the site.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 9, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Partly Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Demobilization and Lower Monitor Zone Development

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is continuing to demobilize from the site and is preparing to resume air-lift development of the lower monitor zone.
- 1130 The drilling contractor begins air-lift development on the lower monitor zone. The estimated discharge rate during air-lifting is 30 gallons per minute (gpm).
- 1400 The drilling contractor continues air-lift development on the lower monitor zone.
- 1600 The drilling contractor continues air-lift development on the lower monitor zone. The estimated discharge rate during air-lifting is 30 gpm.
- 1900 The drilling contractor stops air-lift development of the lower monitor zone and will resume air-lift development tomorrow morning. The drilling contractor is not running a night shift during the demobilization and development activities.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 10, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Partly Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Demobilization and Lower and Upper Monitor Zone Development

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor is continuing to demobilize from the site, and is preparing to resume air-lift development of the lower monitor zone, and begin re-development of the upper monitor zone.
- 0740 The drilling contractor resumes air-lift development on the lower monitor zone and begins letting the upper zone flow. The estimated discharge rate for the lower zone during air-lifting is 30 gallons per minute (gpm). The upper zone is flowing at a rate of 98 gpm.
- 1030 The drilling contractor continues development of the lower and upper monitor zones.
- 1230 The drilling contractor continues development of the lower and upper monitor zones.
- 1415 The drilling contractor continues development of the upper and lower monitor zones. The development of the lower zone is currently stopped due to refueling of the air compressor.
- 1430 Resume air-lift development of the lower monitor zone. The estimated discharge rate for the lower zone during air-lifting is 30 gpm.
- 1600 The drilling contractor continues development of the lower and upper monitor zones. The upper zone is flowing at a rate of 98 gpm.
- 1845 The drilling contractor stops development of the upper and lower monitor zones and will resume development tomorrow morning.



McNabb Hydrogeologic Consulting, Inc.




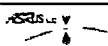
Daily Construction Log

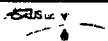
Date: July 11, 2012
Project: FPL Turkey Point EW
Contractor: Layne Christensen Company
Starting Depth: NA
Weather Day: Rain, Warm
Weather Night: NA
Activity: Demobilization and Lower and Upper Monitor Zone Development



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



CONSTRUCTION ACTIVITIES


- 0700 The drilling contractor is continuing to demobilize from the site, and is preparing to resume air-lift development of the lower monitor zone and re-development of the upper monitor zone.
- 0800 The drilling contractor resumes air-lift development on the lower monitor zone and begins letting the upper zone flow. The estimated discharge rate during air-lifting is 30 gallons per minute (gpm). The upper monitor zone is flowing at a rate of 98 gpm.
- 1000 The drilling contractor continues to develop the upper and lower monitor zones.
- 1200 The drilling contractor continues to develop the upper and lower monitor zones.
- 1400 The drilling contractor continues to develop the upper and lower monitor zones.
- 1600 The drilling contractor continues to develop the upper and lower monitor zones.
- 1800 The drilling contractor continues to develop the upper and lower monitor zones. The upper zone is flowing at a rate of 101 gpm and the lower zone is purging via air-lift development at an estimated 23 gpm.
- 1900 The drilling contractor stops development of the upper and lower monitor zones and will resume development tomorrow morning.



Project: Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1				 				
EW-1 Pad Monitoring Well Water Quality Data Northeast Pad Monitoring Well (NE-EW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1108	10.49	-1.61	78,700	32,200	57,000	29.8	Background Sampling
4/29/2011	1157	10.68	-1.80	80,400	29,900	53,800	30.4	
5/5/2011	1157	11.40	-2.52	81,400	27,500	52,350	31.2	
5/11/2011	1309	11.00	-2.12	76,800	31,600	51,200	29.7	
5/19/2011	0958	10.48	-1.60	72,600	35,600	51,200	29.5	
5/26/2011	1050	10.76	-1.88	71,360	29,500	52,900	29.7	
6/2/2011	1134	10.78	-1.90	71,700	29,000	55,700	29.6	
6/9/2011	1128	10.61	-1.73	69,700	32,300	50,650	29.3	
6/16/2011	0958	10.35	-1.47	69,300	33,000	53,450	29.5	
6/23/2011	1028	10.41	-1.53	69,400	30,600	55,600	29.5	
6/30/2011	0928	10.15	-1.27	70,300	27,600	51,950	29.2	
7/8/2011	1210	9.00	-0.12	72,570	30,100	54,150	29.9	
7/14/2011	1338	9.75	-0.87	76,400	27,200	54,550	29.9	
7/21/2011	1039	9.35	-0.47	72,200	32,600	49,760	29.7	
7/28/2011	1119	9.51	-0.63	71,600	30,200	54,250	29.7	
8/4/2011	1249	9.70	-0.82	64,400	31,500	53,850	27.5	
8/11/2011	1059	9.25	-0.37	73,900	29,500	57,150	29.6	
8/18/2011	1039	9.45	-0.57	71,900	29,400	54,850	30.0	
8/25/2011	1039	9.45	-0.57	69,800	31,300	55,550	29.7	
9/1/2011	1109	9.15	-0.27	71,700	29,500	56,300	29.9	
9/8/2011	1049	9.15	-0.27	70,700	31,400	49,800	30.3	
9/16/2011	1233	9.30	-0.42	5320*	1260*	2668*	27.8	
9/23/2011	1129	9.10	-0.22	72,900	31,200	52,750	30.1	
9/29/2011	1330	9.16	-0.28	11,500*	3,200*	7,010*	27.8	
10/6/2011	1119	9.30	-0.42	72,600	30,000	56,200	30.1	
10/13/2011	1058	10.15	-1.27	75,200	32,500	51,600	30.1	
10/20/2011	1049	8.40	0.48	68,400	29,100	57,450	29.9	
10/27/2011	1109	8.95	-0.07	80,200	27,700	54,950	30.0	
11/3/2011	1049	8.91	-0.03	80,200	31,100	55,700	29.9	
11/10/2011	0958	9.67	-0.79	75,500	28,700	59,600	30.0	
11/17/2011	1058	10.81	-1.93	68,400	34,900	57,500	30.1	
11/25/2011	0939	9.51	-0.63	69,300	26,500	52,750	30.0	
12/1/2011	1138	9.67	-0.79	66,000	29,800	55,200	29.8	
12/8/2011	1058	10.31	-1.43	63,800	30,100	57,050	27.5	
12/15/2011	1109	9.61	-0.73	75,400	28,300	53,700	30.0	
12/22/2011	1038	9.67	-0.79	69,300	29,500	51,800	30.7	
12/29/2011	0918	9.87	-0.99	76,900	30,800	51,300	29.7	
1/5/2012	1118	10.41	-1.53	70,400	28,100	52,200	29.5	
1/12/2012	1058	10.21	-1.33	75,200	28,200	50,900	29.9	
1/19/2012	0958	10.30	-1.42	75,200	27,700	49,300	29.8	
1/26/2012	1048	10.22	-1.34	72,300	29,400	55,300	30.0	
2/2/2012	1048	10.21	-1.33	71,300	28,400	50,700	29.9	
2/10/2012	1029	9.15	-0.27	71,400	30,400	52,400	30.0	
2/16/2012	1219	9.47	-0.59	72,300	27,000	53,300	29.9	
2/23/2012	1049	9.57	-0.69	72,300	29,600	55,100	30.1	
3/1/2012	1038	9.74	-0.86	72,300	31,500	50,100	30.0	
3/8/2012	1058	9.76	-0.88	72,200	31,600	53,100	29.3	
3/16/2012	1038	9.65	-0.77	72,100	34,900	53,100	29.9	
3/22/2012	1108	9.90	-1.02	72,400	30,800	48,700	29.8	
3/29/2012	0911	9.87	-0.99	72,500	29,100	48,600	29.2	
4/5/2012	1208	10.25	-1.37	71,600	29,200	50,800	30.0	
4/12/2012	1118	10.15	-1.27	71,500	32,000	52,700	30.1	
4/19/2012	1143	9.85	-0.97	72,000	34,000	54,500	30.3	
4/26/2012	1009	9.50	-0.62	72,100	36,000	54,200	29.7	
5/3/2012	1144	8.85	0.03	72,400	36,500	50,900	29.6	
5/10/2012	1109	9.42	-0.54	72,800	32,000	51,700	29.7	
5/17/2012	0959	9.05	-0.17	73,200	29,500	53,200	29.7	
5/24/2012	1229	8.65	0.23	72,200	28,900	51,900	29.6	
5/31/2012	1214	9.04	-0.16	72,800	30,900	51,200	29.9	
6/8/2012	1029	9.32	-0.44	72,800	30,700	50,900	29.9	
6/14/2012	1029	9.55	-0.67	72,000	30,700	53,500	30.2	
6/21/2012	1129	9.25	-0.37	72,800	30,600	51,300	29.7	
6/28/2012	1019	9.10	-0.22	72,900	29,800	52,000	30.1	
7/5/2012	1244	9.40	-0.52	72,000	27,800	52,500	29.3	
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius *Results appear to be anomalous and are suspected to be related to a sampling error. Countermeasures to prevent reoccurrence have been implemented. Note: TOC elevation is: 8.88 feet NAVD 88								



Project:			Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1					<div>MHC</div> <div></div>	
EW-1 Pad Monitoring Well Water Quality Data Southeast Pad Monitoring Well (SE-EW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
4/21/2011	1311	10.10	-1.51	81,600	30,200	57,800	29.9	Background Sampling	
4/29/2011	1349	10.40	-1.81	86,700	33,100	55,000	30.4		
5/5/2011	1008	11.10	-2.51	83,000	29,500	54,700	29.9		
5/11/2011	1228	10.65	-2.06	78,200	30,100	52,600	30.1		
5/19/2011	1039	10.12	-1.53	75,200	30,000	51,100	29.8		
5/26/2011	1235	10.47	-1.88	73,890	31,200	53,800	29.9		
6/2/2011	1056	10.50	-1.91	74,200	29,400	57,400	29.6		
6/9/2011	1210	10.32	-1.73	72,200	32,100	51,000	29.6		
6/16/2011	1035	10.00	-1.41	71,300	32,200	54,000	29.8		
6/23/2011	1109	10.10	-1.51	71,900	31,600	55,650	29.8		
6/30/2011	1009	9.85	-1.26	72,800	27,600	53,050	29.5		
7/8/2011	1138	9.12	-0.53	73,150	29,800	54,450	29.9		
7/14/2011	1414	9.48	-0.89	79,700	29,000	55,350	29.8		
7/21/2011	1119	9.36	-0.77	74,100	34,000	54,100	30.0		
7/28/2011	1229	9.55	-0.96	74,300	30,200	56,300	29.8		
8/4/2011	1224	9.50	-0.91	72,700	31,500	53,000	27.7		
8/11/2011	1209	9.37	-0.78	77,400	30,000	56,800	29.7		
8/18/2011	1149	9.45	-0.86	74,100	30,100	55,500	30.0		
8/25/2011	1149	9.38	-0.79	73,300	31,200	57,450	29.6		
9/1/2011	1224	9.10	-0.51	72,700	30,700	57,300	29.8		
9/8/2011	1159	9.21	-0.62	73,200	32,200	51,800	30.1		
9/16/2011	1303	9.40	-0.81	70,280	29,600	50,550	27.7		
9/23/2011	1239	9.20	-0.61	75,200	29,000	55,550	29.8		
9/29/2011	1300	9.10	-0.51	68,500	30,700	53,600	27.4		
10/6/2011	1229	9.25	-0.66	79,100	31,300	54,050	30.0		
10/13/2011	1209	9.95	-1.36	76,900	30,200	52,250	30.1		
10/20/2011	1200	8.60	-0.01	69,900	28,000	57,150	29.8		
10/27/2011	1218	8.81	-0.22	82,400	28,000	56,500	30.0		
11/3/2011	1159	9.56	-0.97	82,900	31,000	56,400	30.1		
11/10/2011	1109	9.96	-1.37	78,300	27,900	60,500	30.1		
11/17/2011	1208	10.90	-2.31	69,700	34,000	57,800	30.2		
11/25/2011	1049	9.36	-0.77	69,900	26,900	53,600	30.0		
12/1/2011	1248	10.85	-2.26	71,800	33,900	57,000	30.2		
12/8/2011	1209	9.87	-1.28	68,900	29,500	61,500	27.0		
12/15/2011	1219	9.53	-0.94	76,600	28,000	55,100	30.1		
12/22/2011	1149	9.65	-1.06	72,300	29,000	52,400	30.0		
12/29/2011	1029	9.96	-1.37	77,600	29,800	52,200	30.1		
1/5/2012	1229	10.31	-1.72	72,800	27,700	53,400	30.1		
1/12/2012	1204	10.10	-1.51	76,000	30,800	52,900	30.1		
1/19/2012	1139	10.38	-1.79	76,500	28,100	50,800	30.0		
1/26/2012	1229	10.18	-1.59	73,200	29,900	56,300	30.1		
2/2/2012	1229	10.23	-1.64	72,400	27,900	52,000	30.1		
2/10/2012	1209	9.21	-0.62	72,000	29,800	55,400	30.2		
2/16/2012	1359	9.45	-0.86	72,700	27,700	57,200	30.2		
2/23/2012	1229	9.48	-0.89	72,800	32,100	57,000	30.2		
3/1/2012	1219	9.61	-1.02	72,800	31,000	51,700	30.2		
3/8/2012	1244	9.81	-1.22	72,500	32,500	52,500	29.9		
3/16/2012	1219	9.61	-1.02	72,900	34,300	53,100	30.3		
3/22/2012	1249	9.87	-1.28	72,600	31,000	51,100	30.2		
3/29/2012	1054	9.97	-1.38	72,900	29,500	51,200	29.9		
4/5/2012	1341	10.05	-1.46	72,300	29,500	52,200	30.2		
4/12/2012	1259	9.98	-1.39	72,200	31,200	53,800	30.5		
4/19/2012	1244	9.90	-1.31	71,800	33,500	54,500	30.4		
4/26/2012	1144	9.61	-1.02	72,200	35,500	54,500	30.0		
5/3/2012	1249	8.97	-0.38	73,100	37,400	51,700	30.2		
5/10/2012	1242	9.32	-0.73	73,300	32,100	53,100	30.2		
5/17/2012	1134	9.10	-0.51	73,300	27,700	54,100	30.1		
5/24/2012	1404	8.75	-0.16	73,400	30,600	54,100	30.3		
5/31/2012	1343	9.10	-0.51	73,900	31,000	50,500	30.1		
6/8/2012	1202	9.30	-0.71	73,300	31,100	53,200	30.3		
6/14/2012	1209	9.38	-0.79	73,700	31,500	54,700	30.6		
6/21/2012	1316	9.03	-0.44	73,700	29,900	52,300	30.2		
6/28/2012	1159	9.20	-0.61	73,800	27,300	49,300	30.3		
7/5/2012	1424	9.30	-0.71	73,300	27,800	53,800	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 Note: TOC elevation is: 8.59 feet NAVD 88									

Project: Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1								 
EW-1 Pad Monitoring Well Water Quality Data Northwest Pad Monitoring Well (NW-EW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1221	10.50	-1.66	84,300	33,500	59,900	30.8	Background Sampling
4/29/2011	1120	10.65	-1.81	86,300	33,700	56,400	30.0	
5/5/2011	1051	11.40	-2.56	87,400	31,300	57,650	31.1	
5/11/2011	1034	12.40	-3.56	79,100	33,500	55,650	30.4	
5/19/2011	1113	13.90	-5.06	80,000	36,000	53,700	30.4	
5/26/2011	1125	10.73	-1.89	75,130	32,300	55,450	30.4	
6/2/2011	1215	10.75	-1.91	75,900	30,700	59,500	30.3	
6/9/2011	1248	10.60	-1.76	72,500	32,200	51,950	29.9	
6/16/2011	1118	10.25	-1.41	72,500	31,500	54,550	30.0	
6/23/2011	1143	10.37	-1.53	73,300	31,600	57,750	30.3	
6/30/2011	1049	10.10	-1.26	75,700	27,400	54,300	30.0	
7/8/2011	1112	9.38	-0.54	74,100	30,700	53,950	30.3	
7/14/2011	1524	9.75	-0.91	79,900	27,600	56,350	30.3	
7/21/2011	1226	9.60	-0.76	76,200	32,600	54,500	29.7	
7/28/2011	1154	9.80	-0.96	74,900	32,200	57,050	30.5	
8/4/2011	1317	9.85	-1.01	78,000	30,500	59,300	28.7	
8/11/2011	1134	9.61	-0.77	77,600	31,100	58,150	30.4	
8/18/2011	1114	9.68	-0.84	73,100	30,000	55,350	30.6	
8/25/2011	1114	9.61	-0.77	72,300	31,800	56,950	30.0	
9/1/2011	1149	9.33	-0.49	71,900	29,300	56,000	30.4	
9/8/2011	1124	9.45	-0.61	73,800	30,100	52,300	30.5	
9/16/2011	1203	9.60	-0.76	67,200	23,400	51,650	28.2	
9/23/2011	1204	9.43	-0.59	73,800	30,800	54,450	30.4	
9/29/2011	1205	9.35	-0.51	68,700	27,500	50,800	27.6	
10/6/2011	1154	9.50	-0.66	78,400	30,000	56,550	30.2	
10/13/2011	1133	10.21	-1.37	75,800	29,300	50,500	30.2	
10/20/2011	1124	8.81	0.03	70,200	27,500	56,850	30.1	
10/27/2011	1143	10.39	-1.55	81,500	28,800	54,600	30.2	
11/3/2011	1123	10.50	-1.66	80,500	30,400	55,900	30.1	
11/10/2011	1033	10.37	-1.53	77,800	27,800	58,700	30.1	
11/17/2011	1133	10.71	-1.87	67,900	30,500	57,000	30.3	
11/25/2011	1014	9.58	-0.74	71,700	27,400	53,300	30.2	
12/1/2011	1214	9.80	-0.96	68,500	33,500	53,650	30.1	
12/8/2011	1133	10.37	-1.53	68,700	27,600	57,850	27.7	
12/15/2011	1144	9.75	-0.91	75,500	28,200	52,000	30.0	
12/22/2011	1114	9.87	-1.03	70,600	27,700	52,100	29.9	
12/29/2011	0954	9.97	-1.13	77,700	29,500	51,600	29.9	
1/5/2012	1153	10.52	-1.68	71,800	28,000	52,800	29.6	
1/12/2012	1133	10.35	-1.51	75,400	30,400	51,900	30.0	
1/19/2012	1033	10.42	-1.58	75,600	29,800	50,200	29.9	
1/26/2012	1123	10.35	-1.51	73,200	29,500	56,000	29.9	
2/2/2012	1123	10.35	-1.51	71,100	27,400	51,200	29.9	
2/10/2012	1104	9.38	-0.54	70,300	28,800	54,900	29.8	
2/16/2012	1254	9.67	-0.83	71,100	27,800	55,200	29.8	
2/23/2012	1124	9.67	-0.83	72,100	30,700	56,200	29.8	
3/1/2012	1114	9.91	-1.07	71,500	31,000	51,200	29.7	
3/8/2012	1139	9.62	-0.78	71,600	30,500	52,800	29.4	
3/16/2012	1114	9.85	-1.01	71,500	34,100	52,400	29.7	
3/22/2012	1144	10.10	-1.26	71,400	30,200	48,700	29.6	
3/29/2012	0949	9.93	-1.09	71,500	28,400	51,200	29.6	
4/5/2012	1241	10.09	-1.25	71,300	28,900	51,100	29.7	
4/12/2012	1154	10.00	-1.16	71,300	29,300	52,600	29.9	
4/19/2012	1109	9.97	-1.13	71,400	31,500	53,300	30.2	
4/26/2012	1042	9.68	-0.84	71,700	31,300	53,000	29.6	
5/3/2012	1109	9.00	-0.16	72,200	34,200	49,500	29.5	
5/10/2012	1142	9.35	-0.51	72,500	31,400	52,000	29.5	
5/17/2012	1032	9.10	-0.26	72,700	30,200	52,300	29.6	
5/24/2012	1302	8.75	0.09	72,600	30,300	52,800	29.5	
5/31/2012	1247	9.07	-0.23	73,100	32,100	48,800	29.6	
6/8/2012	1102	9.35	-0.51	71,800	30,300	52,200	29.7	
6/14/2012	1104	9.37	-0.53	72,300	30,200	53,200	30.3	
6/21/2012	1214	8.76	0.08	72,600	28,500	51,100	29.7	
6/28/2012	1054	9.12	-0.28	72,500	30,700	51,900	29.8	
7/5/2012	1319	9.50	-0.66	72,600	27,700	51,900	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 Note: TOC elevation is: 8.84 feet NAVD 88								

Project: Florida Power & Light Company Miami-Dade County, Florida Exploratory Well EW-1								 
EW-1 Pad Monitoring Well Water Quality Data Southwest Pad Monitoring Well (SW-EW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
4/21/2011	1414	10.50	-1.62	72,500	26,400	51,500	30.6	Background Sampling
4/29/2011	1025	10.60	-1.72	77,400	28,300	51,600	29.8	
5/5/2011	0930	11.85	-2.97	75,200	29,000	49,400	28.7	
5/11/2011	1124	16.40	-7.52	78,100	28,300	51,050	31.6	
5/19/2011	1202	15.95	-7.07	73,100	29,700	48,450	32.6	
5/26/2011	1155	11.20	-2.32	66,630	27,800	48,350	29.4	
6/2/2011	1035	11.25	-2.37	68,500	26,000	52,600	29.4	
6/9/2011	1319	11.05	-2.17	65,400	26,300	44,150	29.5	
6/16/2011	1154	10.75	-1.87	64,900	27,000	48,450	29.5	
6/23/2011	1214	10.85	-1.97	65,500	30,400	50,800	29.6	
6/30/2011	1119	10.60	-1.72	68,500	24,300	46,650	29.4	
7/8/2011	1045	9.85	-0.97	64,950	25,600	47,650	29.6	
7/14/2011	1445	10.22	-1.34	69,900	24,800	48,300	29.6	
7/21/2011	1154	10.10	-1.22	67,800	27,400	47,900	29.6	
7/28/2011	1259	10.26	-1.38	67,000	26,600	48,650	27.7	
8/4/2011	1157	10.30	-1.42	68,420	25,600	51,350	27.5	
8/11/2011	1243	9.21	-0.33	67,800	26,400	51,150	29.7	
8/18/2011	1219	10.15	-1.27	66,300	25,400	47,500	29.8	
8/25/2011	1219	10.31	-1.43	66,000	26,900	50,150	29.4	
9/1/2011	1254	9.87	-0.99	65,400	25,700	49,450	29.8	
9/8/2011	1229	9.97	-1.09	66,800	26,300	46,500	29.9	
9/16/2011	1329	10.10	-1.22	64,000	25,700	46,800	28.0	
9/23/2011	1309	9.95	-1.07	66,200	25,800	47,500	29.6	
9/29/2011	1230	9.80	-0.92	64,100	25,400	46,150	27.7	
10/6/2011	1259	9.97	-1.09	76,200	25,800	45,800	29.7	
10/13/2011	1239	10.67	-1.79	69,100	26,100	46,700	29.8	
10/20/2011	1229	9.31	-0.43	64,700	23,800	51,100	29.6	
10/27/2011	1249	10.87	-1.99	75,600	26,500	50,000	29.7	
11/3/2011	1229	10.93	-2.05	75,600	27,700	49,750	29.7	
11/10/2011	1139	10.91	-2.03	73,500	25,500	53,300	29.7	
11/17/2011	1238	11.41	-2.53	63,800	26,900	50,400	29.7	
11/25/2011	1119	10.05	-1.17	65,800	24,900	48,950	29.7	
12/1/2011	1323	11.42	-2.54	65,900	29,600	51,100	29.6	
12/8/2011	1239	10.98	-2.10	64,900	24,800	52,450	27.3	
12/15/2011	1247	10.27	-1.39	70,100	24,800	49,700	29.4	
12/22/2011	1219	10.27	-1.39	66,800	24,900	45,600	29.7	
12/29/2011	1059	10.67	-1.79	71,100	26,400	46,300	29.5	
1/5/2012	1259	11.03	-2.15	64,800	24,900	47,600	29.3	
1/12/2012	1234	10.87	-1.99	69,000	25,700	47,000	29.6	
1/19/2012	1104	11.00	-2.12	69,100	24,900	44,200	29.4	
1/26/2012	1154	10.85	-1.97	67,500	25,900	50,100	29.4	
2/2/2012	1154	10.97	-2.09	65,300	25,200	46,200	29.5	
2/10/2012	1134	9.91	-1.03	65,300	25,400	48,900	29.6	
2/16/2012	1324	10.15	-1.27	64,600	24,100	50,500	29.4	
2/23/2012	1154	10.24	-1.36	65,300	24,100	50,500	29.5	
3/1/2012	1144	10.27	-1.39	65,300	26,900	45,900	29.4	
3/8/2012	1209	10.31	-1.43	65,300	27,400	47,700	30.0	
3/16/2012	1144	10.35	-1.47	65,300	29,800	47,200	29.3	
3/22/2012	1214	10.61	-1.73	65,500	27,100	44,600	29.3	
3/29/2012	1019	10.18	-1.30	65,500	26,100	45,900	29.5	
4/5/2012	1309	10.72	-1.84	65,300	25,600	48,200	29.4	
4/12/2012	1224	10.60	-1.72	65,000	27,000	49,700	30.5	
4/19/2012	1211	10.65	-1.77	65,400	28,200	50,800	30.6	
4/26/2012	1109	10.32	-1.44	66,000	30,900	49,800	29.2	
5/3/2012	1214	9.70	-0.82	67,200	30,800	47,700	29.2	
5/10/2012	1209	10.02	-1.14	68,700	30,200	49,600	29.2	
5/17/2012	1100	9.85	-0.97	68,700	27,800	49,200	28.9	
5/24/2012	1330	9.47	-0.59	68,700	28,000	49,600	29.2	
5/31/2012	1314	9.91	-1.03	68,400	28,900	49,400	29.3	
6/8/2012	1129	10.10	-1.22	68,300	29,700	49,600	29.4	
6/14/2012	1134	10.15	-1.27	67,300	28,500	50,100	29.5	
6/21/2012	1243	9.75	-0.87	68,800	27,200	48,500	29.3	
6/28/2012	1124	9.98	-1.10	68,900	29,400	53,000	29.7	
7/5/2012	1349	9.97	-1.09	68,900	26,700	49,500	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 Note: TOC elevation is: 8 88 feet NAVD 88								

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1							
<div>DZMW-1 Pad Monitoring Well Water Quality Data</div> <div>Northeast Pad Monitoring Well</div> <div>(NE-DZMW PMW)</div>									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	0958	8.15	-1.08	73,100	33,300	52,200	30.1	Background Sampling	
3/29/2012	1128	8.23	-1.16	73,000	29,600	51,400	30.1		
4/6/2012	0858	8.30	-1.23	72,200	28,800	51,200	30.1		
4/13/2012	1128	8.25	-1.18	72,300	33,900	53,100	30.2		
4/20/2012	1038	8.20	-1.13	72,000	34,700	54,500	30.1		
4/27/2012	0958	7.95	-0.88	72,100	37,300	55,100	29.8		
5/4/2012	1009	7.22	-0.15	72,400	29,900	51,100	29.8		
5/11/2012	1229	7.65	-0.58	72,300	34,700	53,000	30.0		
5/18/2012	1109	7.43	-0.36	73,500	37,600	51,100	30.3		
5/25/2012	1239	7.33	-0.26	73,900	34,300	54,100	30.1		
6/1/2012	1259	7.45	-0.38	74,000	33,300	51,300	29.9		
6/8/2012	1237	7.65	-0.58	73,600	31,700	52,100	30.3		
6/15/2012	1226	7.67	-0.60	73,800	33,300	54,500	30.4		
6/22/2012	1219	7.37	-0.30	73,300	32,100	57,200	30.2		
6/29/2012	1144	7.50	-0.43	73,800	29,600	53,700	30.2		
7/6/2012	1309	7.60	-0.53	73,400	27,700	54,400	29.2		
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.07 feet NAVD 88									

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Southeast Pad Monitoring Well (SE-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1033	8.25	-1.08	72,700	33,900	50,500	30.1	Background Sampling	
3/29/2012	1303	8.33	-1.16	72,800	29,200	50,400	30.2		
4/6/2012	1028	8.30	-1.13	72,300	29,300	53,300	30.2		
4/13/2012	1303	8.32	-1.15	72,400	33,800	54,600	30.2		
4/20/2012	1213	8.28	-1.11	72,300	31,700	55,400	30.2		
4/27/2012	1133	8.10	-0.93	72,600	34,600	53,900	29.5		
5/4/2012	1141	7.40	-0.23	73,300	29,700	52,700	30.0		
5/11/2012	1403	7.67	-0.50	72,700	34,100	52,000	30.1		
5/18/2012	1240	7.58	-0.41	74,000	33,100	52,000	30.7		
5/25/2012	1415	7.43	-0.26	73,900	32,400	52,600	29.7		
6/1/2012	1119	7.50	-0.33	73,900	32,100	51,300	29.8		
6/8/2012	1408	7.72	-0.55	73,400	30,800	52,700	30.3		
6/15/2012	1058	7.70	-0.53	73,200	33,500	53,900	30.2		
6/22/2012	1350	7.48	-0.31	73,100	30,500	54,100	29.4		
6/29/2012	1320	7.74	-0.57	73,300	28,100	52,900	30.6		
7/6/2012	1440	7.70	-0.53	73,800	27,300	55,200	29.8		
ft. btoc:		feet below top of casing							
TOC:		Top of Casing							
ft. NAVD 88:		North American Vertical Datum of 1988							
umhos/cm:		micromhos per centimeter							
mg/L:		milligrams per liter							
C:		Celsius							
Top of Casing Elevation:		7.17 feet NAVD 88							

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Southwest Pad Monitoring Well (SW-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1137	8.34	-0.97	73,300	32,900	50,300	30.1	Background Sampling	
3/29/2012	1229	8.38	-1.01	73,100	29,900	50,700	30.2		
4/6/2012	0954	8.50	-1.13	72,000	28,800	52,500	29.9		
4/13/2012	1227	8.52	-1.15	72,000	32,300	54,400	29.9		
4/20/2012	1139	8.45	-1.08	72,100	31,800	53,700	29.9		
4/27/2012	1101	8.25	-0.88	72,600	31,800	55,300	29.9		
5/4/2012	1108	7.60	-0.23	73,200	30,500	52,600	29.6		
5/11/2012	1331	7.95	-0.58	71,500	35,400	53,800	29.5		
5/18/2012	1208	7.82	-0.45	73,800	32,600	51,200	29.9		
5/25/2012	1343	7.68	-0.31	73,900	33,500	53,600	29.8		
6/1/2012	1151	7.71	-0.34	74,100	30,700	51,500	29.5		
6/8/2012	1336	7.97	-0.60	73,300	30,900	53,400	29.9		
6/15/2012	1131	7.95	-0.58	73,400	32,000	53,600	29.9		
6/22/2012	1318	7.68	-0.31	73,800	30,000	56,000	29.7		
6/29/2012	1248	7.89	-0.52	73,400	29,600	53,000	29.9		
7/6/2012	1408	7.90	-0.53	73,600	27,200	54,000	29.5		
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.37 feet NAVD 88									

[illegible]

**Florida Power & Light Company
Turkey Point
Dual-Zone Monitor Well DZMW-1
Lower Zone Background Water Quality
(Development Field Data)**

Date	Time	Turbidity (NTUs)	Specific Conductance (µmhos/cm)	T (°C)	pH (S.U.)	DO (mg/L)	Purge Rate (gpm)	Estimated Purged Volume (gallons)	Comments
06/30/12	7:50						~6		Begin air-lift development. 1 well volume is approximately 2,525 gallons.
06/30/12	11:00	NM	35,150	26.8	7.91	NM	~20		
06/30/12	19:00						9		Begin pump development
07/01/12	7:00	109	42,710	22.9	7.24	NM	9	12,960	
07/01/12	9:00	111	43,110	25.2	7.25	NM	9		
07/01/12	11:00	19.68	44,030	25.3	7.28	NM	12		Drawdown is approximately 25 feet.
07/01/12	13:00	25.6	43,330	25.2	6.48	2.52	12	17,280	
07/01/12	15:00	66.7	43,780	25.1	7.22	3.45	12		
07/01/12	17:00	62.3	43,820	25.7	7.32	3.16	12	20,160	
07/01/12	19:00	45.6	43,870	24.0	7.14	2.85			
07/01/12	21:00	63.9	43,520	23.8	7.22	1.35			
07/01/12	23:00	43.6	43,790	23.8	7.16	1.24			
07/02/12	1:00	40.3	43,890	23.8	7.22	1.36			
07/02/12	3:00	37.4	43,850	24.0	7.21	1.73			
07/02/12	5:00	31.1	43,590	24.0	7.25	1.93			
07/02/12	7:00	38.5	44,060	24.2	7.17	2.94	12	28,800	
07/02/12	9:00							32,400	Stop development while demob of rig.
07/06/12	11:00	8.43					~30		Resume air-lift development.
07/06/12	12:30	6	43,810	28.9	7.26	4.78	30		
07/06/12	14:00	129	43,430	28.5	7.31	5.28	30		
07/06/12	16:00	611	43,780	28.8	7.46		30		
07/06/12	18:00	115	43,220	29.0	7.34		30		
07/06/12	18:30							45,100	Stop development.
07/09/12	12:00								Resume air-lift development.
07/09/12	12:30	5.03	43,750	27.6	7.17		30		
07/09/12	14:00	30.8	43,680	28.2	7.50		30		
07/09/12	16:00	109	43,770	28.3	7.95		30		
07/09/12	18:00	58.4	43,970	28.1	7.83		30	57,700	
07/09/12	19:15								Stop development.
07/10/12	7:40								Resume air-lift development.
07/10/12	8:00	32.9	43,580	28.3	7.16		30		
07/10/12	10:30	459	43,720	28.2	8.03		30		
07/10/12	12:45	52.6	43,450	26.9	7.44		30	66,700	
07/10/12	16:00	50.3	43,780	25.8	7.87		30		
07/10/12	18:30	86	43,310	26.2	7.89				Stop development.
07/11/12	8:15	74	43,020	25.9	7.44	4.67			Resume air-lift development. LCC is surging the zone by running the air compressor for ~10 minutes and then allowing a ~15 minutes of recovery. repeat throughout the shift.
07/11/12	10:00	37.8	43,760	25.6	7.38	4.54	30		
07/11/12	12:00	592	43,150	25.9	7.34	5.23	30		
07/11/12	14:00	429	43,230	29.3	7.25	4.38			
07/11/12	16:40	77.2	43,440	26.3	7.57	4.74			
07/11/12	18:00	238	42,960	26.8	7.79	4.19	23		

µmhos/cm = micromhos per centimeter
°C = degrees Celsius
NTU = Nephelometric Turbidity Unit
S.U. = Standard Unit
mg/L = milligrams per Liter
NM = Not measured

**Florida Power & Light Company
Turkey Point
Dual-Zone Monitor Well DZMW-1
Upper Zone Background Water Quality
(Development Field Data)**

Date	Time	Turbidity (NTUs)	Specific Conductance (µmhos/cm)	T (°C)	pH (S.U.)	DO (mg/L)	Purge Rate (gpm)	Totalizer (gallons)	Comments
07/10/12	7:40	24.3	12,340	28.6	6.96	NM	98	817,000	Begin to re-develop due to Total Coliform results failed. The well is currently flowing on its own.
07/10/12	10:30	37.6	12,100	27.1	6.83	NM	98	833,700	
07/10/12	12:45	9.02	12,250	26.6	6.86	NM	98	847,000	
07/10/12	14:15	15.04	12,260	26.3	6.92	NM			
07/10/12	16:00	24.6	12,230	26.1	7.82	NM	98	866,300	
07/10/12	18:30	20.4	12,010	26.1	7.94		98	875,000	Stop development.
07/11/12	8:15	7.98	11,970	26.7	7.02	2.25	98	878,500	Resume development.
07/11/12	10:00	8.69	12,350	25.7	8.10	1.81			
07/11/12	12:00	12.22	12,100	25.9	7.91	1.80			
07/11/12	12:30							906,600	
07/11/12	14:00	12.42	12,260	28.2	7.89	2.10			
07/11/12	16:40	19.38	12,350	25.9	7.90	2.18	101	931,000	
07/11/12	18:00	5.57	12,340	26.2	7.97	1.94			

µmhos/cm = micromhos per centimeter
°C = degrees Celsius
NTU = Nephelometric Turbidity Unit
S.U. = Standard Unit
mg/L = milligrams per Liter
NM = Not measured

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2012-300 Enclosure 3 Page 1 of 17

Enclosure 3

Florida Power & Light Company Turkey Point Units 6 & 7
Exploratory Well Project; Permit #0293962-001-UC
Weekly Construction Summary #63 dated July 20, 2012

WEEKLY CONSTRUCTION SUMMARY



McNabb Hydrogeologic Consulting, Inc.

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

July 20, 2012

MHCDEP-12-0301

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 #63**

Dear Mr. May:

This is the sixty-third weekly construction summary for the above referenced project. The reporting period for this weekly construction summary began at 7:00 AM, Thursday, July 12, 2012 and ended at 7:00 AM, Thursday, July 19, 2012. Drilling contractor daily reports were not prepared this week since there was no construction or testing activities at the site. Consultant daily reports were prepared for this reporting period. Copies of the consultant daily construction logs are attached.

During the previous reporting period the drilling contractor continued to demobilize from the site and performed development of the lower monitor zone of DZMW-1 in preparation for background water sampling. Re-development of the upper monitor zone of DZMW-1 also began in preparation for re-sampling the upper monitor zone.

During this reporting period the drilling contractor continued to demobilize from the site and performed development of the lower and upper monitor zone of DZMW-1 in preparation for background water sampling. Tables providing a summary of the lower monitor zone development and the upper monitor zone re-development are attached.

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

During the next reporting period, it is anticipated that the drilling contractor will complete development of the lower monitor zone, complete re-development of the upper monitor

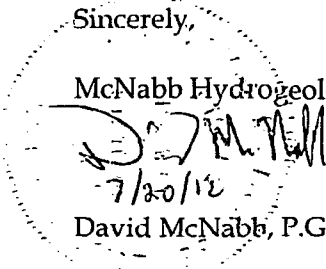
zone, collect background water samples for laboratory analysis from the upper and lower monitor zones, perform a video log of the completed well and complete demobilization from the site.

In addition, sampling of the pad monitor wells around DZMW-1 began on March 20, 2012 and has been taking place on a weekly basis since the initial samplings. The most recent set of DZMW-1 pad monitoring well sample results available are for samples collected on July 13, 2012. Copies of the DZMW-1 pad monitor well water quality data summary sheets are attached.

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

Sincerely,

McNabb Hydrogeologic Consulting, Inc.



David McNabb, P.G.

Attachments: Consultant Daily Construction Log
DZMW-1 Pad Monitor Well Water Quality Data Summary Sheets
DZMW-1 Lower Monitor Zone Development Summary Sheet
DZMW-1 Upper Monitor Zone Re-Development Summary Sheet

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

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



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 12, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Demobilization and Lower Monitor Zone Development

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues to demobilize from the site and is preparing to resume air-lift development of the lower monitor zone. The upper monitor zone development will be discontinued until the background sampling has been scheduled.
- 0740 The drilling contractor resumes air-lift development on the lower monitor zone. The estimated discharge rate during air-lifting is 30 gallons per minute (gpm).
- 0900 The drilling contractor stops development of the lower zone to use the air compressor for a demobilization task.
- 1215 The drilling contractor resumes air-lift development of the lower monitor zone.
- 1400 The drilling contractor continues developing the lower monitor zone.
- 1600 The drilling contractor continues developing the lower monitor zone.
- 1800 The drilling contractor continues developing the lower monitor zone.
- 1900 The drilling contractor stops the air-lift development for the lower monitor zone and will resume development tomorrow morning.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 13, 2012 **FDEP UIC Permit #:** 0293962-001-UC
Project: FPL Turkey Point EW **Well No.:** DZMW-1
Contractor: Layne Christensen Company **Bit Diameter:** NA
Starting Depth: NA **Ending Depth:** NA
Weather Day: Cloudy, Hot **Recorded By:** Sally Durall
Weather Night: NA
Activity: Demobilization and Lower Monitor Zone Development

CONSTRUCTION ACTIVITIES

- 0700 The drilling contractor continues to demobilize from the site and is preparing to resume air-lift development of the lower monitor zone.
- 0710 The drilling contractor resumes air-lift development on the lower monitor zone.
- 0900 The drilling contractor continues developing the lower monitor zone. The estimated discharge rate during air-lifting is 30 gallons per minute (gpm).
- 1100 The drilling contractor continues developing the lower monitor zone.
- 1230 Florida Spectrum Environmental Services, Inc. is on site to sample the pad monitor wells around DZMW-1.
- 1430 The drilling contractor will continue developing the lower monitor zone until the end of the day shift. The contractor will not be conducting any work at the site over the weekend and will resume demobilization activities and lower zone development Monday morning.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 14, 2012

Project: FPL Turkey Point EW

Contractor: Layne Christensen Company

Starting Depth: NA

Weather Day: NA

Weather Night: NA

Activity: No Construction Activity

FDEP UIC Permit #: 0293962-001-UC

Well No.: DZMW-1

Bit Diameter: NA

Ending Depth: NA

Recorded By: Sally Durall

CONSTRUCTION ACTIVITIES

There was no activity at the site.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 15, 2012	FDEP UIC Permit #: 0293962-001-UC
Project: FPL Turkey Point EW	Well No.: DZMW-1
Contractor: Layne Christensen Company	Bit Diameter: NA
Starting Depth: NA	Ending Depth: NA
Weather Day: NA	Recorded By: Sally Durall
Weather Night: NA	
Activity: No Construction Activity	

CONSTRUCTION ACTIVITIES

There was no activity at the site.



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 16, 2012	FDEP UIC Permit #: 0293962-001-UC
Project: FPL Turkey Point EW	Well No.: DZMW-1
Contractor: Layne Christensen Company	Bit Diameter: NA
Starting Depth: NA	Ending Depth: NA
Weather Day: NA	Recorded By: Sally Durall
Weather Night: NA	
Activity: No Construction Activity	

CONSTRUCTION ACTIVITIES

The drilling contractor resumed development of the lower monitor zone today and continued demobilization from the site. The estimated discharge rate during lower zone development is 30 gallons per minute (gpm).



McNabb Hydrogeologic Consulting, Inc.



Daily Construction Log

Date: July 17, 2012	FDEP UIC Permit #: 0293962-001-UC
Project: FPL Turkey Point EW	Well No.: DZMW-1
Contractor: Layne Christensen Company	Bit Diameter: NA
Starting Depth: NA	Ending Depth: NA
Weather Day: NA	Recorded By: Sally Durall
Weather Night: NA	
Activity: No Construction Activity	

CONSTRUCTION ACTIVITIES

The drilling contractor resumed development of the lower monitor zone today and continued demobilization from the site. The estimated discharge rate during lower zone development is 30 gallons per minute (gpm).



McNabb Hydrogeologic Consulting, Inc.




Daily Construction Log



Date: July 18, 2012	FDEP UIC Permit #: 0293962-001-UC
Project: FPL Turkey Point EW	Well No.: DZMW-1
Contractor: Layne Christensen Company	Bit Diameter: NA
Starting Depth: NA	Ending Depth: NA
Weather Day: NA	Recorded By: Sally Durall
Weather Night: NA	
Activity: No Construction Activity	



CONSTRUCTION ACTIVITIES

The drilling contractor continued development of the lower monitor zone and resumed re-development of the upper monitor zone today and continued demobilization from the site. The estimated discharge rate during lower zone development is 30 gallons per minute (gpm). The flow rate during development of the upper monitor zone is 100 gpm.

[illegible]

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						<div>MHC</div> <div></div>	
DZMW-1 Pad Monitoring Well Water Quality Data Southeast Pad Monitoring Well (SE-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1033	8.25	-1.08	72,700	33,900	50,500	30.1	Background Sampling	
3/29/2012	1303	8.33	-1.16	72,800	29,200	50,400	30.2		
4/6/2012	1028	8.30	-1.13	72,300	29,300	53,300	30.2		
4/13/2012	1303	8.32	-1.15	72,400	33,800	54,600	30.2		
4/20/2012	1213	8.28	-1.11	72,300	31,700	55,400	30.2		
4/27/2012	1133	8.10	-0.93	72,600	34,600	53,900	29.5		
5/4/2012	1141	7.40	-0.23	73,300	29,700	52,700	30.0		
5/11/2012	1403	7.67	-0.50	72,700	34,100	52,000	30.1		
5/18/2012	1240	7.58	-0.41	74,000	33,100	52,000	30.7		
5/25/2012	1415	7.43	-0.26	73,900	32,400	52,600	29.7		
6/1/2012	1119	7.50	-0.33	73,900	32,100	51,300	29.8		
6/8/2012	1408	7.72	-0.55	73,400	30,800	52,700	30.3		
6/15/2012	1058	7.70	-0.53	73,200	33,500	53,900	30.2		
6/22/2012	1350	7.48	-0.31	73,100	30,500	54,100	29.4		
6/29/2012	1320	7.74	-0.57	73,300	28,100	52,900	30.6		
7/6/2012	1440	7.70	-0.53	73,800	27,300	55,200	29.8		
7/13/2012	1300	7.80	-0.63	73,600	29,000	52,800	29.6		
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.17 feet NAVD 88									

Project:	Florida Power & Light Company							 
	Miami-Dade County, Florida							
	Dual-Zone Monitor Well DZMW-1							
DZMW-1 Pad Monitoring Well Water Quality Data								
Southwest Pad Monitoring Well								
(SW-DZMW PMW)								
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks
3/20/2012	1137	8.34	-0.97	73,300	32,900	50,300	30.1	Background Sampling
3/29/2012	1229	8.38	-1.01	73,100	29,900	50,700	30.2	
4/6/2012	0954	8.50	-1.13	72,000	28,800	52,500	29.9	
4/13/2012	1227	8.52	-1.15	72,000	32,300	54,400	29.9	
4/20/2012	1139	8.45	-1.08	72,100	31,800	53,700	29.9	
4/27/2012	1101	8.25	-0.88	72,600	31,800	55,300	29.9	
5/4/2012	1108	7.60	-0.23	73,200	30,500	52,600	29.6	
5/11/2012	1331	7.95	-0.58	71,500	35,400	53,800	29.5	
5/18/2012	1208	7.82	-0.45	73,800	32,600	51,200	29.9	
5/25/2012	1343	7.68	-0.31	73,900	33,500	53,600	29.8	
6/1/2012	1151	7.71	-0.34	74,100	30,700	51,500	29.5	
6/8/2012	1336	7.97	-0.60	73,300	30,900	53,400	29.9	
6/15/2012	1131	7.95	-0.58	73,400	32,000	53,600	29.9	
6/22/2012	1318	7.68	-0.31	73,800	30,000	56,000	29.7	
6/29/2012	1248	7.89	-0.52	73,400	29,600	53,000	29.9	
7/6/2012	1408	7.90	-0.53	73,600	27,200	54,000	29.5	
7/13/2012	1228	8.10	-0.73	73,300	28,900	53,200	29.2	
ft. btoc: feet below top of casing								
TOC: Top of Casing								
ft. NAVD 88: North American Vertical Datum of 1988								
umhos/cm: micromhos per centimeter								
mg/L: milligrams per liter								
C: Celsius								
Top of Casing Elevation: 7.37 feet NAVD 88								

Project:		Florida Power & Light Company Miami-Dade County, Florida Dual-Zone Monitor Well DZMW-1						 	
DZMW-1 Pad Monitoring Well Water Quality Data Northwest Pad Monitoring Well (NW-DZMW PMW)									
Date	Time (hours)	Depth to Water (ft. btoc)	Water Elevation (ft. NAVD 88)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	Temperature (degrees C)	Remarks	
3/20/2012	1103	8.27	-1.08	73,600	29,500	53,100	29.9	Background Sampling	
3/29/2012	1158	8.31	-1.12	73,400	30,100	48,400	30.0		
4/6/2012	0926	8.35	-1.16	72,100	29,200	51,400	29.8		
4/13/2012	1157	8.41	-1.22	72,200	34,600	55,000	30.4		
4/20/2012	1108	8.35	-1.16	72,000	31,400	55,500	29.9		
4/27/2012	1027	8.05	-0.86	72,200	32,200	53,900	29.8		
5/4/2012	1037	7.12	0.07	72,800	30,800	52,400	29.6		
5/11/2012	1258	8.45	-1.26	72,300	33,700	53,000	29.8		
5/18/2012	1137	7.30	-0.11	73,600	35,100	51,800	29.8		
5/25/2012	1309	7.10	0.09	73,400	32,200	53,300	29.7		
6/1/2012	1219	7.25	-0.06	73,800	31,900	52,700	29.6		
6/8/2012	1304	7.50	-0.31	73,400	31,500	51,800	30.0		
6/15/2012	1159	7.51	-0.32	73,700	32,500	54,800	30.1		
6/22/2012	1247	7.21	-0.02	73,800	30,500	54,200	29.7		
6/29/2012	1214	7.38	-0.19	73,600	29,300	53,400	29.8		
7/6/2012	1337	7.50	-0.31	73,100	28,600	56,500	29.7		
7/13/2012	1402	7.50	-0.31	73,100	28,100	52,300	29.2		
ft. btoc: feet below top of casing TOC: Top of Casing ft. NAVD 88: North American Vertical Datum of 1988 umhos/cm: micromhos per centimeter mg/L: milligrams per liter C: Celsius Top of Casing Elevation: 7.19 feet NAVD 88									

Florida Power & Light Company
Turkey Point
Dual-Zone Monitor Well DZMW-1
Upper Zone Background Water Quality
(Development Field Data)

Date	Time	Turbidity (NTUs)	Specific Conductance (µmhos/cm)	T (°C)	pH (S.U.)	DO (mg/L)	Purge Rate (gpm)	Totalizer (gallons)	Comments
07/10/12	7:40	24.3	12,340	28.6	6.96	NM	98	817,000	Begin to re-develop due to Total Coliform results failed. The well is currently flowing on its own.
	10:30	37.6	12,100	27.1	6.83	NM	98	833,700	
	12:45	9.02	12,250	26.6	6.86	NM	98	847,000	
	14:15	15.04	12,260	26.3	6.92	NM			
	16:00	24.6	12,230	26.1	7.82	NM	98	866,300	
	18:30	20.4	12,010	26.1	7.94		98	875,000	Stop development.
07/11/12	8:15	7.98	11,970	26.7	7.02	2.25	98	878,500	Resume development.
	10:00	8.69	12,350	25.7	8.10	1.81			
	12:00	12.22	12,100	25.9	7.91	1.80			
	12:30							906,600	
	14:00	12.42	12,260	28.2	7.89	2.10			
	16:40	19.38	12,350	25.9	7.90	2.18	101	931,000	
	18:00	5.57	12,340	26.2	7.97	1.94			
	19:00								Stop development.
07/12/12									Development will continue when the BG sampling has been scheduled.
07/18/12	11:30	13.42	11,470	27.7	7.92	3.30	100	934,500	Resume flowing the well
	12:30	10.41	11,480	27.8	7.75	3.66			
	14:30	31.9	11,680	27.5	7.85	4.56			
	15:30	31.1	11,930	27.8	8.12	4.51			
	16:30	17.44	11,770	27.9	8.23	4.21			
	17:30	13.42	11,600	27.8	8.00	4.13	100		
	18:30	9.1	11,470	27.7	7.92	3.30			
	22:00	15.15	11,700	27.6	7.96	2.47			
	23:00	34.5	11,700	27.7	7.91	2.12			
07/19/12	0:00	19.65	11,490	27.7	7.98	2.24			
	1:00	19.08	11,300	27.2	8.00	2.36			
	2:00	10.57	12,560	27.5	7.80	2.20			
	3:00	9.06	11,810	27.8	7.73	2.36			
	4:00	9.26	11,570	27.7	7.91	2.05			
	5:00	9.54	11,480	27.8	8.01	2.20			
	6:00	10.04	11,760	27.9	7.99	2.54			
	7:00	9.88	11,550	27.6	7.86	2.67	100	1,053,500	

µmhos/cm = micromhos per centimeter

°C = degrees Celsius

NTU = Nephelometric Turbidity Unit

S.U. = Standard Unit

mg/L = milligrams per Liter

NM = Not measured

Florida Power & Light Company
Turkey Point
Dual-Zone Monitor Well DZMW-1
Lower Zone Background Water Quality
(Development Field Data)

Date	Time	Turbidity (NTUs)	Specific Conductance (µmhos/cm)	T (°C)	pH (S.U.)	DO (mg/L)	Purge Rate (gpm)	Estimated Purged Volume (gallons)	Comments
06/30/12	7:50						~6		Begin air-lift development. 1 well volume is approximately 2,525 gallons.
	11:00	NM	35,150	26.8	7.91	NM	~20		
	19:00						9		Begin pump development
07/01/12	7:00	109	42,710	22.9	7.24	NM	9	12,960	
	9:00	111	43,110	25.2	7.25	NM	9		
	11:00	19.68	44,030	25.3	7.28	NM	12		Drawdown is approximately 25 feet.
	13:00	25.6	43,330	25.2	6.48	2.52	12	17,280	
	15:00	66.7	43,780	25.1	7.22	3.45	12		
	17:00	62.3	43,820	25.7	7.32	3.16	12	20,160	
	19:00	45.6	43,870	24.0	7.14	2.85			
	21:00	63.9	43,520	23.8	7.22	1.35			
	23:00	43.6	43,790	23.8	7.16	1.24			
07/02/12	1:00	40.3	43,890	23.8	7.22	1.36			
	3:00	37.4	43,850	24.0	7.21	1.73			
	5:00	31.1	43,590	24.0	7.25	1.93			
	7:00	38.5	44,060	24.2	7.17	2.94	12	28,800	
	9:00							32,400	Stop development while demob of rig.
07/06/12	11:00	8.43					~30		Resume air-lift development.
	12:30	6	43,810	28.9	7.26	4.78	30		
	14:00	129	43,430	28.5	7.31	5.28	30		
	16:00	611	43,780	28.8	7.46	NM	30		
	18:00	115	43,220	29.0	7.34	NM	30		
	18:30							45,100	Stop development.
07/09/12	12:00								Resume air-lift development.
	12:30	5.03	43,750	27.6	7.17	NM	30		
	14:00	30.8	43,680	28.2	7.50	NM	30		
	16:00	109	43,770	28.3	7.95	NM	30		
	18:00	58.4	43,970	28.1	7.83	NM	30	57,700	
	19:15								Stop development.
07/10/12	7:40								Resume air-lift development.
	8:00	32.9	43,580	28.3	7.16	NM	30		
	10:30	459	43,720	28.2	8.03	NM	30		
	12:45	52.6	43,450	26.9	7.44	NM	30	66,700	
	16:00	50.3	43,780	25.8	7.87	NM	30		
	18:30	86	43,310	26.2	7.89	NM			Stop development.

**Florida Power & Light Company
Turkey Point
Dual-Zone Monitor Well DZMW-1
Lower Zone Background Water Quality
(Development Field Data)**

Date	Time	Turbidity (NTUs)	Specific Conductance (µmhos/cm)	T (°C)	pH (S.U.)	DO (mg/L)	Purge Rate (gpm)	Estimated Purged Volume (gallons)	Comments
07/11/12	8:15	74	43,020	25.9	7.44	4.67			Resume air-lift development. LCC is surging the zone by running the air compressor for ~10 minutes and then allowing a ~15 minutes of recovery, repeat throughout the shift.
	10:00	37.8	43,760	25.6	7.38	4.54	30		
	12:00	592	43,150	25.9	7.34	5.23	30		
	14:00	429	43,230	29.3	7.25	4.38			
	16:40	77.2	43,440	26.3	7.57	4.74			
	18:00	238	42,960	26.8	7.79	4.19	23		
	19:00	952	43,280	25.8	7.13	4.70		77,500	Stop development.
07/12/12	7:40								Resume air-lift development. LCC will continue surging the zone.
	9:00								Stop development while air compressor is used for a demob task.
	12:15								Resume air-lift development. LCC will continue surging the zone.
	13:15	58.7	43,330	26.9	7.86		30		
	16:00	500	43,450	27.8	7.72				
	17:00	839	43,360	29.6	7.55				
	18:00	696	43,450	27.6	7.79				
	19:00							88,300	Stop development.
07/13/12	7:10								Resume air-lift development.
	11:00	460	42,940	29.5	7.81	4.35	30		
	19:00							109,900	Stop development.
07/16/12	7:00						30		Resume air-lift development.
	19:00							131,500	Stop development.
07/17/12	7:00						30		Resume air-lift development.
	19:00							153,100	Stop development.
07/18/12	7:00								Resume air-lift development.
	11:30	38.9	41,880	27.3	7.65	4.92	30		
	12:30	30.4	42,410	27.5	7.68	4.35			
	14:30	14.53	42,550	27.7	7.71	4.27			
	15:30	7.36	42,100	27.7	7.64	4.14			
	16:30	8.47	42,430	27.4	7.70	4.22			
	17:30	6.38	42,200	27.6	7.65	4.41			
	18:30	11.74	42,730	27.7	7.71	4.33			
	22:00	19.75	42,110	27.8	7.47	4.84			
	23:00	14.52	42,440	27.8	7.49	4.53		180,100	
07/19/12	0:00	12.88	42,210	27.7	7.38	4.72			
	1:00	12.49	42,160	27.7	7.30	5.35	30		
	2:00	12.67	41,930	27.6	7.81	4.87			
	3:00	12.9	42,300	27.8	7.74	5.68			
	4:00	13.52	42,420	27.8	7.80	4.99			