



Florida Power & Light Company  
Turkey Point Expansion Project – Unit 5

February 16, 2016

Lindy Cerrar  
Environmental Resource Regulation  
South Florida Water Management District  
P.O. Box 24680  
West Palm Beach, FL 33416-4680

**RE: FPL TURKEY POINT UNIT 5 GROUNDWATER MONITORING PLAN  
FORTY-THIRD QUARTERLY WELL REPORT**

Enclosed is the forty-third quarterly well report for the FPL Turkey Point Unit 5 Expansion Project. The water accounting method used is a flow meter calibrated consistent with ISO 10474 3.1B. This report is to comply with the request for a quarterly report mentioned in the approval letter provided by the SFWMD on June 8, 2005, as well as Condition XXXIII.C 10 of the projects' Conditions of Certification (PA 03-45).

Should you have any questions concerning these data or any other information, please contact me at (305) 242-3826.

Sincerely,

Gary W. Andersen  
Sr. Environmental Leader

cc: Cindy Mulkey, FDEP Siting Office  
SCO@dep.state.fl.us

Enclosure

**Turkey Point Unit 5 Expansion Project  
Monthly Well Withdrawal**

November-15

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Nov-15	3,799,655	0	4,601,618	8,401,272
2-Nov-15	2,758,681	0	4,804,564	7,563,246
3-Nov-15	4,247,351	0	3,056,265	7,303,616
4-Nov-15	3,559,464	0	4,755,397	8,314,861
5-Nov-15	3,282,793	0	4,638,707	7,921,500
6-Nov-15	3,587,219	0	4,875,293	8,462,511
7-Nov-15	4,119,293	0	4,893,313	9,012,606
8-Nov-15	4,008,546	0	4,777,128	8,785,674
9-Nov-15	4,371,785	0	5,108,874	9,480,659
10-Nov-15	4,050,581	0	4,815,556	8,866,137
11-Nov-15	3,851,575	0	4,872,993	8,724,568
12-Nov-15	3,676,412	0	4,826,305	8,502,717
13-Nov-15	3,620,424	0	4,790,949	8,411,373
14-Nov-15	2,180,668	0	4,259,750	6,440,417
15-Nov-15	2,881,650	0	4,593,625	7,475,275
16-Nov-15	3,427,626	0	4,730,852	8,158,478
17-Nov-15	3,643,361	0	4,890,807	8,534,168
18-Nov-15	3,983,236	0	4,819,433	8,802,669
19-Nov-15	4,598,936	0	5,126,380	9,725,316
20-Nov-15	4,037,341	0	4,842,074	8,879,415
21-Nov-15	3,991,202	0	4,590,688	8,581,891
22-Nov-15	3,455,669	0	4,651,051	8,106,720
23-Nov-15	2,813,553	0	4,353,873	7,167,426
24-Nov-15	3,429,984	0	4,312,605	7,742,589
25-Nov-15	3,401,972	0	4,621,136	8,023,109
26-Nov-15	2,696,904	0	4,631,012	7,327,917
27-Nov-15	2,441,135	0	4,103,455	6,544,589
28-Nov-15	2,721,504	0	4,252,944	6,974,448
29-Nov-15	2,599,749	0	4,230,519	6,930,268
30-Nov-15	3,351,304	0	4,969,692	8,320,997

Monthly Withdrawal	104,689,573	0	138,796,859
Total Monthly Withdrawal	243,486,432		
Maximum Daily Withdrawal	9,725,316		

**Turkey Point Unit 5 Expansion Project  
Monthly Well Withdrawal**

December-15

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Dec-15	3,218,126	0	4,804,047	8,022,173
2-Dec-15	3,919,679	0	4,596,237	8,515,916
3-Dec-15	3,917,743	0	4,319,490	8,237,233
4-Dec-15	2,284,677	0	4,107,622	6,392,299
5-Dec-15	3,278,648	0	4,552,834	7,831,482
6-Dec-15	2,687,493	0	4,707,553	7,395,046
7-Dec-15	288,712	0	4,838,648	5,127,360
8-Dec-15	0	0	5,158,189	5,158,189
9-Dec-15	551,511	0	4,480,687	5,032,198
10-Dec-15	0	75	4,331,629	4,331,704
11-Dec-15	3,170,735	59	2,167,810	5,338,604
12-Dec-15	2,872,638	0	1,166,765	4,039,404
13-Dec-15	0	0	4,275,991	4,275,991
14-Dec-15	1,307,194	0	4,559,074	5,866,268
15-Dec-15	2,824,541	0	4,410,734	7,235,275
16-Dec-15	2,728,101	0	4,288,494	7,016,595
17-Dec-15	3,018,050	0	4,525,057	7,543,107
18-Dec-15	2,846,803	0	4,216,642	7,063,445
19-Dec-15	1,778,208	0	4,093,399	5,871,606
20-Dec-15	1,276,549	0	4,450,078	5,726,627
21-Dec-15	2,116,428	0	4,436,145	6,552,573
22-Dec-15	2,481,521	0	4,179,105	6,660,627
23-Dec-15	1,961,139	0	4,071,673	6,032,812
24-Dec-15	2,578,505	0	4,434,942	7,013,447
25-Dec-15	1,803,394	0	3,893,844	5,697,238
26-Dec-15	1,982,662	0	4,075,783	6,058,444
27-Dec-15	1,847,989	0	4,160,703	6,008,692
28-Dec-15	2,528,283	0	4,333,578	6,861,861
29-Dec-15	2,676,182	0	4,477,624	7,153,805
30-Dec-15	2,815,406	0	4,324,180	7,139,586
31-Dec-15	2,659,113	0	4,404,287	

Monthly Withdrawal	67,520,029	134	130,842,845
Total Monthly Withdrawal	198,363,008		
Maximum Daily Withdrawal	8,515,916		

**Turkey Point Unit 5 Expansion Project  
Monthly Well Withdrawal**

January-16

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Jan-16	2,627,562	0	4,343,018	6,970,580
2-Jan-16	1,926,573	0	3,214,517	5,141,090
3-Jan-16	1,210,151	0	4,214,767	5,424,917
4-Jan-16	1,477,419	0	3,448,169	4,925,588
5-Jan-16	4,072,198	0	1,635,525	5,707,722
6-Jan-16	4,066,175	0	350,301	4,416,475
7-Jan-16	4,091,233	0	957,422	5,048,655
8-Jan-16	4,114,509	0	1,329,647	5,444,156
9-Jan-16	3,998,272	0	1,827,606	5,825,879
10-Jan-16	4,199,546	0	0	4,199,546
11-Jan-16	4,487,102	0	1,335,654	5,822,756
12-Jan-16	3,756,945	0	1,857,959	5,614,904
13-Jan-16	4,002,573	0	1,775,076	5,777,649
14-Jan-16	3,697,600	0	2,188,756	5,886,356
15-Jan-16	3,973,917	0	696,989	4,670,907
16-Jan-16	4,181,052	0	1,851,348	6,032,399
17-Jan-16	3,864,427	0	1,803,974	5,668,401
18-Jan-16	4,399,504	0	905,605	5,305,109
19-Jan-16	3,997,916	0	2,640,134	6,638,050
20-Jan-16	4,158,759	0	2,128,217	6,286,976
21-Jan-16	3,946,811	0	2,330,511	6,277,323
22-Jan-16	4,256,767	0	433,093	4,689,860
23-Jan-16	3,967,668	0	2,155,029	6,122,697
24-Jan-16	3,924,282	0	2,189,085	6,113,367
25-Jan-16	4,170,459	0	1,957,411	6,127,870
26-Jan-16	4,268,239	0	633,338	4,901,577
27-Jan-16	4,123,355	0	2,189,264	6,312,619
28-Jan-16	4,171,536	591,396	1,434,004	6,196,936
29-Jan-16	3,972,739	786,313	2,245,354	7,003,406
30-Jan-16	4,255,099	0	937,204	5,192,303
31-Jan-16	4,340,139	0	1,082,589	5,422,727

Monthly Withdrawal	117,700,526	1,376,709	56,091,565
Total Monthly Withdrawal	175,168,800		
Maximum Daily Withdrawal	7,003,405		

# Turkey Point Unit 5 Expansion Project Quarterly Well Draw Down Report

Month			December-15						
Source			Well Pressure Static @ Gauge (PSIG)	Well Pressure Static @ Bottom of Tube (PSIG)	Well Pressure Flowing (PSIG)	Drawdown (PSIG)	Drawdown (Feet)	Flowrate @ Test (GPM)	Monthly Total Flow (GAL)
Well 1		X	13.60	35.25	15.7	19.55	45.15	3015	67,520,029
Well 3	X		N/A	N/A	N/A	N/A	N/A	N/A	134
Well 4		X	11.3	50.29	17.20	33.09	76.43	3030	130,842,845



Florida Power & Light Company  
Turkey Point Expansion Project – Unit 5

May 16, 2016

Lindy Cerrar  
Environmental Resource Regulation  
South Florida Water Management District  
P.O. Box 24680  
West Palm Beach, FL 33416-4680

**RE: FPL TURKEY POINT UNIT 5 GROUNDWATER MONITORING PLAN  
FORTY-FOURTH QUARTERLY WELL REPORT**

Enclosed is the forty-fourth quarterly well report for the FPL Turkey Point Unit 5 Expansion Project. The water accounting method used is a flow meter calibrated consistent with ISO 10474 3.1B. This report is to comply with the request for a quarterly report mentioned in the approval letter provided by the SFWMD on June 8, 2005, as well as Condition XXXIII.C 10 of the projects' Conditions of Certification (PA 03-45).

Also included with this report are the re-calibration data for all three water pumping facilities that were performed earlier this year.

Should you have any questions concerning these data or any other information, please contact me at (305) 242-3826.

Sincerely,

Gary W. Andersen  
Sr. Environmental Leader

cc: Cindy Mulkey, FDEP Siting Office  
SCO@dep.state.fl.us

Enclosure

**Turkey Point Unit 5 Expansion Project  
Monthly Well Withdrawal**

February-16

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Feb-16	3,920,654	0	2,192,647	6,113,301
2-Feb-16	3,707,405	1,980,676	382,957	6,071,038
3-Feb-16	4,069,533	0	2,612,973	6,682,507
4-Feb-16	3,909,606	0	2,082,226	6,051,832
5-Feb-16	4,071,371	0	1,408,258	5,479,630
6-Feb-16	4,138,113	0	2,002,601	6,140,714
7-Feb-16	4,172,210	0	2,131,303	6,303,513
8-Feb-16	4,008,217	0	1,907,047	5,915,264
9-Feb-16	4,236,797	0	1,569,902	5,806,700
10-Feb-16	3,884,375	0	2,653,041	6,537,416
11-Feb-16	3,846,750	0	2,465,730	6,312,481
12-Feb-16	4,799,376	0	0	4,799,376
13-Feb-16	4,109,025	0	1,738,565	5,847,590
14-Feb-16	4,110,995	0	2,256,108	6,367,103
15-Feb-16	2,679,488	2,678,326	383,998	5,741,811
16-Feb-16	1,237,714	4,364,574	276	5,602,564
17-Feb-16	3,490,436	2,424,063	194	5,914,693
18-Feb-16	2,114,877	3,510,516	0	5,625,393
19-Feb-16	1,538,695	4,443,138	0	5,981,833
20-Feb-16	1,734,854	4,303,323	0	6,038,177
21-Feb-16	1,985,086	4,311,550	0	6,296,636
22-Feb-16	2,293,838	4,500,134	0	6,793,972
23-Feb-16	1,541,820	4,446,926	0	5,988,745
24-Feb-16	1,862,479	4,415,778	0	6,278,257
25-Feb-16	1,354,400	4,663,827	0	6,018,226
26-Feb-16	1,878,569	4,245,402	0	6,123,970
27-Feb-16	515,254	5,048,782	0	5,564,036
28-Feb-16	1,355,309	4,719,904	0	6,076,213
29-Feb-16	1,571,415	4,386,569	0	5,957,984

Monthly Withdrawal	84,199,660	64,443,488	25,787,826
Total Monthly Withdrawal	174,430,974		
Maximum Daily Withdrawal	6,793,972		



**Turkey Point Unit 5 Expansion Project  
Monthly Well Withdrawal**

March-16

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Mar-16	0	4,595,445	0	4,595,445
2-Mar-16	0	4,592,296	0	4,592,296
3-Mar-16	0	4,568,859	0	4,568,859
4-Mar-16	0	4,549,110	0	4,549,110
5-Mar-16	42,212	2,633,876	0	2,676,088
6-Mar-16	0	2,885,938	0	2,885,938
7-Mar-16	551,014	1,420,374	301,091	2,272,479
8-Mar-16	955,817	891,766	545,806	2,393,389
9-Mar-16	817,118	1,252,137	397,770	2,467,024
10-Mar-16	0	3,079,123	0	3,079,123
11-Mar-16	0	4,699,202	0	4,699,202
12-Mar-16	0	4,256,034	0	4,256,034
13-Mar-16	329,256	4,922,314	0	5,251,570
14-Mar-16	2,133,514	4,140,630	0	6,274,144
15-Mar-16	3,208,684	3,714,866	0	6,923,550
16-Mar-16	3,231,936	3,714,866	0	6,946,802
17-Mar-16	1,263,261	3,714,866	0	4,978,127
18-Mar-16	1,246,631	3,714,866	0	4,961,497
19-Mar-16	1,916,220	3,714,866	0	5,631,086
20-Mar-16	826,436	3,714,866	0	4,541,302
21-Mar-16	289,844	3,714,866	0	4,004,710
22-Mar-16	383,114	3,714,866	0	4,097,980
23-Mar-16	1,186,512	3,714,866	0	4,901,378
24-Mar-16	1,405,202	3,714,866	0	5,120,068
25-Mar-16	652,470	3,714,866	0	4,367,336
26-Mar-16	2,668,418	3,714,866	0	6,383,284
27-Mar-16	1,633,134	3,714,866	0	5,348,000
28-Mar-16	2,197,598	3,714,866	0	5,912,464
29-Mar-16	1,950,741	2,483,884	1,221,943	5,656,568
30-Mar-16	4,003,638	0	2,628,180	6,631,818
31-Mar-16	4,514,644	0	3,887,007	8,401,651

Monthly Withdrawal	37,407,417	102,979,110	8,981,797
Total Monthly Withdrawal		149,368,325	
Maximum Daily Withdrawal		8,401,651	



**Turkey Point Unit 5 Expansion Project  
Monthly Well Withdrawal**

April-16

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Apr-16	4,026,709	0	4,612,787	8,639,496
2-Apr-16	4,191,701	0	3,167,296	7,358,997
3-Apr-16	3,843,833	0	2,614,490	6,458,323
4-Apr-16	3,509,878	2,219,563	821,335	6,550,776
5-Apr-16	2,763,433	4,617,795	0	7,381,229
6-Apr-16	3,730,912	4,458,700	0	8,189,612
7-Apr-16	2,515,559	4,638,305	0	7,153,864
8-Apr-16	1,644,711	4,442,802	0	6,087,513
9-Apr-16	1,866,994	4,187,451	0	6,054,445
10-Apr-16	0	4,738,442	0	4,738,442
11-Apr-16	2,000,086	4,386,224	0	6,386,310
12-Apr-16	2,355,823	4,339,905	30,697	6,726,424
13-Apr-16	3,765,145	3,125,864	0	6,891,009
14-Apr-16	3,379,003	3,415,425	68,651	6,863,080
15-Apr-16	2,727,621	4,281,079	0	7,008,699
16-Apr-16	1,095,073	4,617,735	0	5,712,809
17-Apr-16	1,636,531	4,245,177	0	5,881,708
18-Apr-16	1,956,113	4,237,582	0	6,193,695
19-Apr-16	1,960,401	4,421,126	0	6,381,527
20-Apr-16	2,189,569	4,396,863	0	6,586,432
21-Apr-16	622,770	4,991,526	0	5,614,296
22-Apr-16	2,600,238	4,427,593	0	7,027,831
23-Apr-16	1,511,824	4,752,569	0	6,264,393
24-Apr-16	2,198,875	4,643,461	0	6,842,336
25-Apr-16	2,572,876	4,575,221	0	7,148,097
26-Apr-16	2,492,668	4,526,119	0	7,018,787
27-Apr-16	2,192,406	4,336,571	0	6,528,977
28-Apr-16	2,176,886	4,396,101	0	6,572,987
29-Apr-16	2,196,780	4,625,862	0	6,822,642
30-Apr-16	2,371,089	4,208,649	0	6,579,738

Monthly Withdrawal	72,095,507	116,253,711	11,315,256
Total Monthly Withdrawal	199,664,473		
Maximum Daily Withdrawal	8,639,496		

**Turkey Point Unit 5 Expansion Project  
Monthly/Quarterly Well Draw Down Report**

Month		February-16							
Source		Well Pressure Static @ Gauge (PSIG)	Well Pressure Static @ Bottom of Tube (PSIG)	Well Pressure Flowing (PSIG)	Drawdown (PSIG)	Drawdown (Feet)	Flowrate @ Test (GPM)	Monthly Total Flow (GAL)	
Well 1	Well 3	Well 4							
X			12.7	34.35	15	19.35	3020	84,199,660	
	X		13.6	35.26	19.1	16.16	N/A	64,443,488	
		X	12.5	51.49	15.7	35.79	3012	25,787,826	