



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

August 9, 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-FIFTH QUARTERLY WELL REPORT**

Enclosed is the forty-fifth 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,

A handwritten signature in cursive script that reads "Gary W. Andersen".

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**

May-15

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-May-15	935,552	4,472,454	0	5,408,006
2-May-15	2,239,831	4,462,001	0	6,701,832
3-May-15	2,557,562	4,469,257	0	7,026,919
4-May-15	1,083,934	4,458,251	0	5,542,185
5-May-15	1,795,872	4,051,368	0	5,847,240
6-May-15	1,274,938	3,925,206	0	5,200,144
7-May-15	22,244	3,326,081	0	3,348,326
8-May-15	1,245,397	4,608,491	0	5,853,889
9-May-15	2,334,920	4,610,426	0	6,945,345
10-May-15	1,968,742	4,240,563	0	6,209,305
11-May-15	2,075,469	4,260,101	0	6,335,570
12-May-15	2,077,142	4,124,536	0	6,201,677
13-May-15	1,963,788	4,357,084	0	6,320,872
14-May-15	1,797,960	4,432,794	0	6,230,754
15-May-15	2,397,501	4,646,309	0	7,043,810
16-May-15	2,376,827	4,479,503	0	6,856,330
17-May-15	2,933,837	4,719,753	0	7,653,590
18-May-15	1,773,843	4,172,109	0	5,945,952
19-May-15	2,186,093	4,489,828	0	6,675,920
20-May-15	2,463,554	4,426,835	0	6,890,389
21-May-15	2,531,163	4,683,293	0	7,214,456
22-May-15	2,279,398	4,330,236	0	6,609,634
23-May-15	1,686,361	4,238,753	0	5,925,115
24-May-15	2,177,059	4,745,331	0	6,922,390
25-May-15	2,194,457	4,248,069	0	6,442,526
26-May-15	856,954	4,526,370	0	5,383,324
27-May-15	2,609,995	4,433,281	0	7,043,276
28-May-15	2,061,072	4,202,458	0	6,263,530
29-May-15	2,524,206	4,730,597	0	7,254,803
30-May-15	2,337,131	4,420,883	0	6,758,014
31-May-15	2,407,922	4,168,268	0	6,576,189

Monthly Withdrawal	61,170,823	135,460,489	0
Total Monthly Withdrawal	196,631,312		
Maximum Daily Withdrawal	7,653,590		

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

June-15

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Jun-15	2,674,392	4,539,618	0	7,214,010
2-Jun-15	2,207,567	4,506,109	0	6,713,676
3-Jun-15	2,556,916	4,812,323	0	7,369,239
4-Jun-15	2,793,482	4,609,406	0	7,402,888
5-Jun-15	2,085,384	4,643,552	0	6,728,936
6-Jun-15	2,889,542	4,349,586	0	7,239,129
7-Jun-15	2,923,079	2,546,518	1,872,954	7,342,551
8-Jun-15	1,950,386	0	4,540,500	6,490,886
9-Jun-15	3,749,011	0	2,790,714	6,539,725
10-Jun-15	3,938,328	0	2,372,430	6,310,758
11-Jun-15	3,758,527	2,098,440	1,042,010	6,898,976
12-Jun-15	2,611,195	4,388,685	0	6,999,880
13-Jun-15	3,034,556	4,682,749	0	7,717,304
14-Jun-15	2,022,625	4,442,116	0	6,464,742
15-Jun-15	2,188,223	4,205,817	365,820	6,759,861
16-Jun-15	2,439,759	3,862,936	351,439	6,654,134
17-Jun-15	1,847,877	4,123,736	0	5,971,613
18-Jun-15	1,676,401	4,493,648	0	6,170,049
19-Jun-15	1,524,188	4,410,249	0	5,934,437
20-Jun-15	1,890,752	4,461,790	0	6,352,542
21-Jun-15	1,388,459	4,334,698	0	5,723,158
22-Jun-15	2,603,021	4,350,711	0	6,953,733
23-Jun-15	3,183,614	4,732,926	0	7,916,540
24-Jun-15	2,786,045	4,460,020	0	7,246,065
25-Jun-15	2,544,779	4,558,670	0	7,103,448
26-Jun-15	2,324,128	4,500,329	0	6,824,456
27-Jun-15	2,613,592	4,659,108	0	7,272,700
28-Jun-15	2,489,104	4,481,937	0	6,971,041
29-Jun-15	2,030,652	4,814,229	0	6,844,881
30-Jun-15	2,208,785	4,795,780	0	7,004,565

Monthly Withdrawal	74,934,370	116,865,686	13,335,866
Total Monthly Withdrawal			
Maximum Daily Withdrawal	205,135,921		
	7,916,540		

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

July-15

	Well Pump #1 Gallons	Well Pump #3 Gallons	Well Pump #4 Gallons	Total Flow Gallons
1-Jul-15	2,383,118	4,771,578	0	7,154,696
2-Jul-15	2,109,069	4,393,771	0	6,502,839
3-Jul-15	2,713,472	4,367,541	0	7,081,013
4-Jul-15	2,752,384	4,542,647	0	7,295,031
5-Jul-15	3,356,010	4,534,745	0	7,890,754
6-Jul-15	3,069,764	4,527,825	0	7,597,589
7-Jul-15	2,921,007	4,274,317	0	7,195,323
8-Jul-15	2,349,943	4,614,193	0	6,964,136
9-Jul-15	2,996,690	4,403,543	0	7,400,233
10-Jul-15	2,081,432	4,836,488	0	6,897,920
11-Jul-15	3,092,865	4,558,494	0	7,651,360
12-Jul-15	2,349,098	4,721,456	0	7,070,554
13-Jul-15	2,227,229	4,349,066	55,435	6,631,731
14-Jul-15	2,401,270	4,530,423	0	6,931,693
15-Jul-15	2,374,680	4,438,215	0	6,812,896
16-Jul-15	4,140,695	2,672,525	0	6,813,221
17-Jul-15	3,221,741	3,451,942	297,405	6,971,088
18-Jul-15	2,207,651	4,762,953	0	6,970,604
19-Jul-15	2,916,063	4,261,312	0	7,177,375
20-Jul-15	2,353,104	4,786,287	0	7,139,391
21-Jul-15	2,511,308	4,592,451	0	7,103,759
22-Jul-15	1,870,332	4,859,791	0	6,730,122
23-Jul-15	1,469,005	4,433,854	0	5,902,859
24-Jul-15	2,128,695	4,471,691	0	6,600,387
25-Jul-15	2,062,504	4,634,882	0	6,697,385
26-Jul-15	1,971,720	4,864,993	0	6,836,713
27-Jul-15	2,304,981	4,594,413	0	6,899,394
28-Jul-15	2,425,297	4,715,898	0	7,141,195
29-Jul-15	2,184,861	4,803,222	0	6,988,083
30-Jul-15	2,670,269	4,829,292	0	7,499,562
	2,490,561	4,558,840	0	

Monthly Withdrawal	78,086,818		
Total Monthly Withdrawal		139,158,648	352,840
Maximum Daily Withdrawal		217,598,305	
		7,890,754	

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

Month		June-16								
Source	Well 1	Well 3	Well 4	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)
	X			12.4	34.05	14.8	19.25	44.46	3020	74,934,370
		X		12.8	34.46	17.4	17.06	39.41	3020	116,865,686
			X	11.6	50.59	22.5	28.09	64.88	3060	13,335,866