



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,

A handwritten signature in blue ink 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**

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	3,969,606	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	1,356,309	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	2,895,938	0	2,895,938
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			
Maximum Daily Withdrawal		199,664,473	8,639,496

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

Month		February-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			12.7	34.35	15	19.35	44.69	3020	84,199,660
		X		13.6	35.26	19.1	16.16	37.34	N/A	64,443,488
			X	12.5	51.49	15.7	35.79	82.67	3012	25,787,826