NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

B19915

DOCKET NUMBER 50-250/251

FILE NUMBER

TO:	FROM:	DATE OF DOCUMENT
Mr. Donald Elliott	Florida Pwr. & Light Co. Miami, Fla. W. S. Tucker	7/14/77
		DATE RECEIVED 7/18/77

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DESCRIPTION

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ACKNOWLEDGED

(1-P)

ENCLOSURE

Consists of the Groundwater Monitoring Data Report No. 61 for the July 1977 monitoring period for the E-series wells...with attached supplement to the April 1977 transmissivity test....

(5-P)

PLANT NAME:
Turkey Point Units 3 & 4
RJL 7/18/77

1 CY ENCL Rec'd

FOR ACTION/INFORMATION

SAFETY		ENVIRONMENTAL
ASSIGNED AD:		ASSIGNED AD: V. MOORE (LTR)
X BRANCH CHIEF: (6)	LEAR	BRANCH CHIEF:
X PROJECT MANAGER:	Elliott	PROJECT MANAGER:
X LICENSING ASSISTANT:	PARRISH	LICENSING ASSISTANT:
		B. HARLESS

INTERNAL DISTRIBUTION

X REG FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
X NRC PDR	HEINEMAN	TEDESCO	ENVIRON ANALYSIS
X I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
X OELD		LAINAS	CRUTCHFIELD
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAUER	KNIGHT	F. ROSA	ENVIRO TECH.
MIPC	BOSNAK		ERNST
CASE	SIHWELL	OPERATING REACTORS	BALLARD
BOYD	PAWLICKI	X STELLO	YOUNGBLOOD
		X EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	X SHAO	SITE TECH.
SKOVHOLT	ROSS	X BAER	
P. COLLINS	NOVAK	X BUTLER	GAMMILL (2)
HOUSTON	ROSZTOCZY	X GRIMES	
MELTZ	CHECK		SITE ANALYSIS
HELTEMES			VOLLMER
SK	AT&I		BUNCH
	SALTZMAN		X J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

		CONTROL NUMBER
X LPDR: MIAMI, FLA.		
X TIC	X NSIC	MISC 4
NAT LAB		771990233
REG IV (J. HANCHETT)		
X 16 CYS ACRS SENT CATEGORY B		

NRC FORM 195 (2-76)

P. O. BOX 013100, MIAMI, FL 33101

FLORIDA POWER & LIGHT COMPANY

July 14, 1977

RECEIVED
JUL 18 1977
U.S. NUCLEAR REGULATORY COMMISSION
Mail Section

Regulatory File Cy

Mr. Donald Elliot
Operating Reactors
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Elliot:

Re: Groundwater Monitoring Program, Turkey Point
Docket No. 50-250/251, Control No. 8728

Enclosed please find the Groundwater Monitoring Data Report No. 61 for the July 1977 monitoring period for the E-series wells. Also enclosed is a supplement to the April 1977 transmissivity test.

Sincerely,

for W. S. Tucker, Manager
Environmental Affairs

Enc.

771990233

FLORIDA POWER & LIGHT CO.

REPORT SEQUENCE NO. 61
DATE SUBMITTED 7/7/77

GROUNDWATER MONITORING DATA
FOR
TURKEY POINT - EPA WELLS (E-SERIES)

WELL NO.	DATE	TIME	SURFACE REFERENCE ELEVATION (FT.,MSL)	WATER LEVEL DEPTH BELOW REF.,(FT.)	WATER LEVEL ELEV. (FT.,MSL)	SURFACE WATER DEPTH BELOW REF.,(FT.)	SURFACE WATER ELEV. (FT.,MSL)	FIELD MEASUREMENT MEASURED AT DEPTH BELOW REF.,(FT.)	MEASURED AT ELEV. (FT.,MSL)	CONDUCTIVITY (MICROMHOS PER CM)	TEMP. °C	RESIDUAL CHLORINE PPM	WATER SAMPLE	NOTES
E-1	6/27	1510	3.44	4.52	-1.08	NSW		20	-16.56	49000	25.3	0.0	✓	
								40	-36.56	51000	24.7			
								60	-56.56	51000	24.7			
E-2	6/27	1520	2.33	2.27	0.06	NSW		20	-17.67	50000	24.9	0.0	✓	
								40	-37.67	51000	24.6			
								60	-57.67	51000	24.6			
E-3	6/27	1530	4.89	5.21	-.32	NSW		20	-15.11	25500	27.1	0.0	✓	
								40	-35.11	53500	28.1			
								60	-55.11	53500	28.3			
E-4	6/27	1540	2.41	3.36	-.95	NSW		20	-17.59	37000	25.5	0.0	✓	
								40	-37.59	51500	25.0			
								60	-57.59	54000	25.0			
E-5	6/28	1340	7.37	6.85	0.52	NSW		20	-12.63	57000	37.2	0.0	✓	
								40	-32.63	58500	38.4			
								60	-52.63	59000	32.9			
E-6	6/28	1350	6.52	6.05	0.47	NSW		20	-13.48	57000	30.3	0.0	✓	
								40	-33.48					BLOCKED
								60	-53.48					

FLORIDA POWER & LIGHT CO.

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DATE SUBMITTED 7/7/77

GROUNDWATER MONITORING DATA FOR TURKEY POINT - EPA WELLS (E-SERIES)

WELL NO.	DATE	TIME	SURFACE REFERENCE ELEVATION (FT.,MSL)	WATER LEVEL DEPTH BELOW REF.,(FT.)	WATER LEVEL ELEV. (FT.,MSL)	SURFACE WATER DEPTH BELOW REF.,(FT.)	SURFACE WATER ELEV. (FT.,MSL)	FIELD MEASUREMENT MEASURED AT DEPTH BELOW REF.,(FT.)	MEASURED AT ELEV. (FT.,MSL)	CONDUCTIVITY (MICROMHOS PER CM)	TEMP. °C	RESIDUAL CHLORINE	WATER SAMPLE	NOTES
E-7	6/28	0905	2.04	1.61	0.43	1.04	1.00	20	-17.96	55500	28.5	0.0	✓	
								40	-37.96					BLOCKED
								60	-57.96					
E-8	6/28	0915	4.23	3.69	0.54	NSW		20	-15.77	52000	24.3	0.0	✓	
								40	-35.77	56000	25.0			
								60	-55.77	56500	25.2			
E-9	6/28	0920	4.20	3.43	0.77	3.31	0.89	20	-15.80	53000	25.6	0.0	✓	
								40	-35.80	53500	24.8			
								60	-55.80	57000	24.5			
E-10	6/28	0930	4.19	3.45	0.74	2.83	1.36	20	-15.81	53500	24.5	0.0	✓	
								40	-35.81	55000	25.0			
								60	-55.81	55000	25.1			
E-11	6/28	0940	4.23	3.45	0.78	NSW		20	-15.77	54000	25.2	0.0	✓	
								40	-35.77	54500	25.0			
								60	55.77	54500	25.0			
E-12	6/28	0945	3.56	2.99	0.57	2.56	1.00	20	-16.44	53500	24.7	0.0	✓	
								40	-36.44	55500	25.0			
								60	-56.44	55500	25.2			

FLORIDA POWER & LIGHT CO.

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GROUNDWATER MONITORING DATA FOR TURKEY POINT - EPA WELLS (E-SERIES)

WELL NO.	DATE	TIME	SURFACE REFERENCE ELEVATION (FT.,MSL)	WATER LEVEL		SURFACE WATER		FIELD MEASUREMENT						NOTES
				DEPTH BELOW REF.,(FT.)	ELEV. (FT.,MSL)	DEPTH BELOW REF.,(FT)	ELEV. (FT.,MSL)	MEASURED AT DEPTH BELOW REF.,(FT.)	MEASURED AT ELEV. (FT.,MSL)	CONDUCTIVITY (MICROMHOS PER CM)	TEMP. °C	RESIDUAL CHLORINE PPM	WATER SAMPLE	
E-13	6/28	0945	3.96	3.22	0.74	2.92	0.30	20	-16.04	52500	25.4	0.0	✓	
								40	-36.04	54500	25.0			
								60	-56.04	55000	25.2			
E-14	6/28	0955	3.47	3.10	0.37	NSW		20	-16.53	53500	25.4	0.0	✓	
								40	-36.53	54000	25.3			
								60	-56.53	54000	25.3			
E-15	6/28	1005	3.63	3.25	0.38	NSW		20	-16.37	53000	25.0	0.0	✓	
								40	-36.37	53500	25.2			
								60	-56.37	54000	25.3			
E-16	6/28	1015	4.83	4.29	0.54	NSW		20	-15.17	51000	25.3	0.0	✓	
								40	-35.17	54000	25.5			
								60	-55.17	54000	25.5			
E-17	6/28	1025	2.31	1.70	0.61	NSW		20	-17.69	53500	25.3	0.0	✓	
								40	-37.69	54000	25.4			
								60	-57.69	55000	25.4			
E-18	6/28	1035	3.23	2.65	0.58	NSW		20	-16.77	52000	25.0	0.0	✓	
								40	-36.77	55000	25.5			
								60	-56.77	56000	25.5			

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GROUNDWATER MONITORING DATA
FOR
TURKEY POINT - EPA WELLS (E-SERIES)

WELL NO.	DATE	TIME	SURFACE REFERENCE ELEVATION (FT.,MSL)	WATER LEVEL DEPTH BELOW REF.,(FT.)	WATER LEVEL ELEV. (FT.,MSL)	SURFACE WATER DEPTH BELOW REF.,(FT)	SURFACE WATER ELEV. (FT.,MSL)	FIELD MEASUREMENT MEASURED AT DEPTH BELOW REF.,(FT.)	MEASURED AT ELEV. (FT.,MSL)	CONDUCTIVITY (MICROMHOS PER CM)	TEMP. °C	RESIDUAL CHLORINE PPM	WATER SAMPLE	NOTES.
E-19	6/28	1120	3.61	2.76		NSW		20	-16.39	48000	24.7	0.0	✓	
								40	-36.39	58000	25.0			
								60	-56.39	58000	25.2			
E-20	6/28	1115	4.04	3.28		NSW		20	-15.96	47000	24.1	0.0	✓	
								40	-35.96	52500	24.4			
								60	-55.96	58000	24.6			
E-21	6/28	1045	3.24	2.52		NSW		20	-16.76	49500	24.6	0.0	✓	
								40	-36.76	55500	24.9			
								60	-56.76	57000	24.9			
E-22	6/28	1055	2.41	1.70		NSW		20	-17.59	58500	25.3	0.0	✓	
								40	-37.59	59000	24.9			
								60	-57.59	59000	24.9			
E-23	6/28	1105	4.29	3.92		3.86		20	-15.71	56000	25.0	0.0	✓	
								40	-35.71	58500	25.3			
								60	-55.71	59000	25.3			

SUPPLEMENT TO THE APRIL 1977
TRANSMISSIVITY TEST

Well # ---------- E9

Date ---------- 5/25/77

PSI ---------- 11

Draw Down---------- 1.52

GPM ---------- 180

NOTE: The well was blocked during the date for April testing.