

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 8133

FILE: Environmental File

FROM: Florida Power & Light Company Miami, Fla. 33101 Mr. W.J. Barrow, Jr.		DATE OF DOC 7-29-74	DATE REC'D 8-2-74	LTR X	TWX	RPT	OTHER
TO: Dr. G. Everett (EPA)		ORIG none signed	CC	OTHER	SENT AEC PDR XXX SENT LOCAL PDR XXX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-250/251		

DESCRIPTION:
Ltr trans the following.....

PLANT NAME: Turkey Point

ENCLOSURES:
Groundwater Monitoring Program Pumping test results.....

**ACKNOWLEDGED
DO NOT REMOVE**

(1 cy encl rec'd)

FOR ACTION/INFORMATION 8-6-74 JB

BUTLER (L) W/ CYS	SCHWENCER (L) W/ CYS	ZIEMANN (L) W/ CYS	REGAN (E) W/ CYS
CLARK (L) W/ CYS	STOLZ (L) W/ CYS	DICKER (E) W/ CYS	W/ CYS
FARR (L) W/ CYS	VASSALLO (L) W/ CYS	KNIGHTON (E) W/ CYS	W/ CYS
KNIEL (L) W/ CYS	PURPLE (L) W/ CYS	YOUNGBLOOD (E) W/ CYS	W/ CYS

INTERNAL DISTRIBUTION

<u>REG FILE</u> AEC PDR OGC MUNTZING/STAFF CASE GIAMBUSSO BOYD MOORE (L)(LWR-2) DEYOUNG (L)(LWR-1) SKOVHOLT (L) GOLLER (L) P. COLLINS DENISE REG OPR FILE & REGION (3) MORRIS STEELE	<u>TECH REVIEW</u> HENDRIE SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT MGR HARLESS	<u>LIC ASST</u> DIGGS (L) GEARIN (L) GOULBOURNE (L) KREUTZER (E) LEE (L) MAIGRET (L) REED (E) SERVICE (L) SHEPPARD (L) SLATER (E) SMITH (L) TEETS (L) WILLIAMS (E) WILSON (L)	<u>A/T IND</u> BRAITMAN SALTZMAN B. HURT <u>PLANS</u> MCDONALD CHAPMAN DUBE w/input E. COUPE D. THOMPSON (2) KLECKER EISENHUT.
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EXTERNAL DISTRIBUTION

1 - LOCAL PDR / Homestead, Fla.	(1)(2)(10)-NATIONAL LABS	1-PDR-SAN/LA/NY
1 - TIC (ABERNATHY)	1-ASLBP (E/W Bldg, Rm 529)	1-BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	1-G. ULRIKSON, ORNL
1 - ASLB	1-B&M SWINEBROAD, Rm E-201 GT	1-AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - P. R. DAVIS	1-CONSULTANTS NEWMARK/BLUME/AGBABIAN	1-RD..MUELLER, Rm F-309 GT
16 - ACRS HOLDING		

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10-100

AT-500

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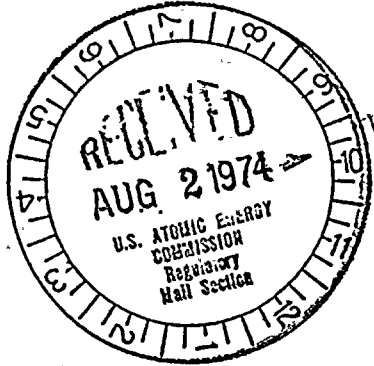
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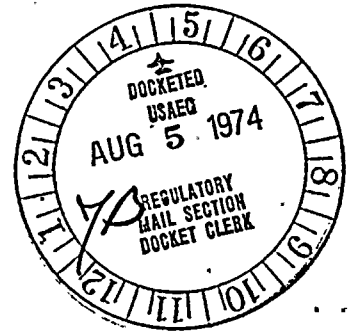
Regulatory Docket File



July 29, 1974

50-250/251

Dr. A. Gordon Everett, Director
Office of Technical Analysis
Environmental Protection Agency
Room 3211G - Waterside Mall
4th & M Streets, S. W.
Washington, D. C. 20460



Dear Dr. Everett:

Re: Groundwater Monitoring Program
Pumping Test Results
Turkey Point, Florida

Attached are the pumping test results for the July 1974 monitoring period for EPA (E) wells as required by the Consent Decree.

Sincerely,

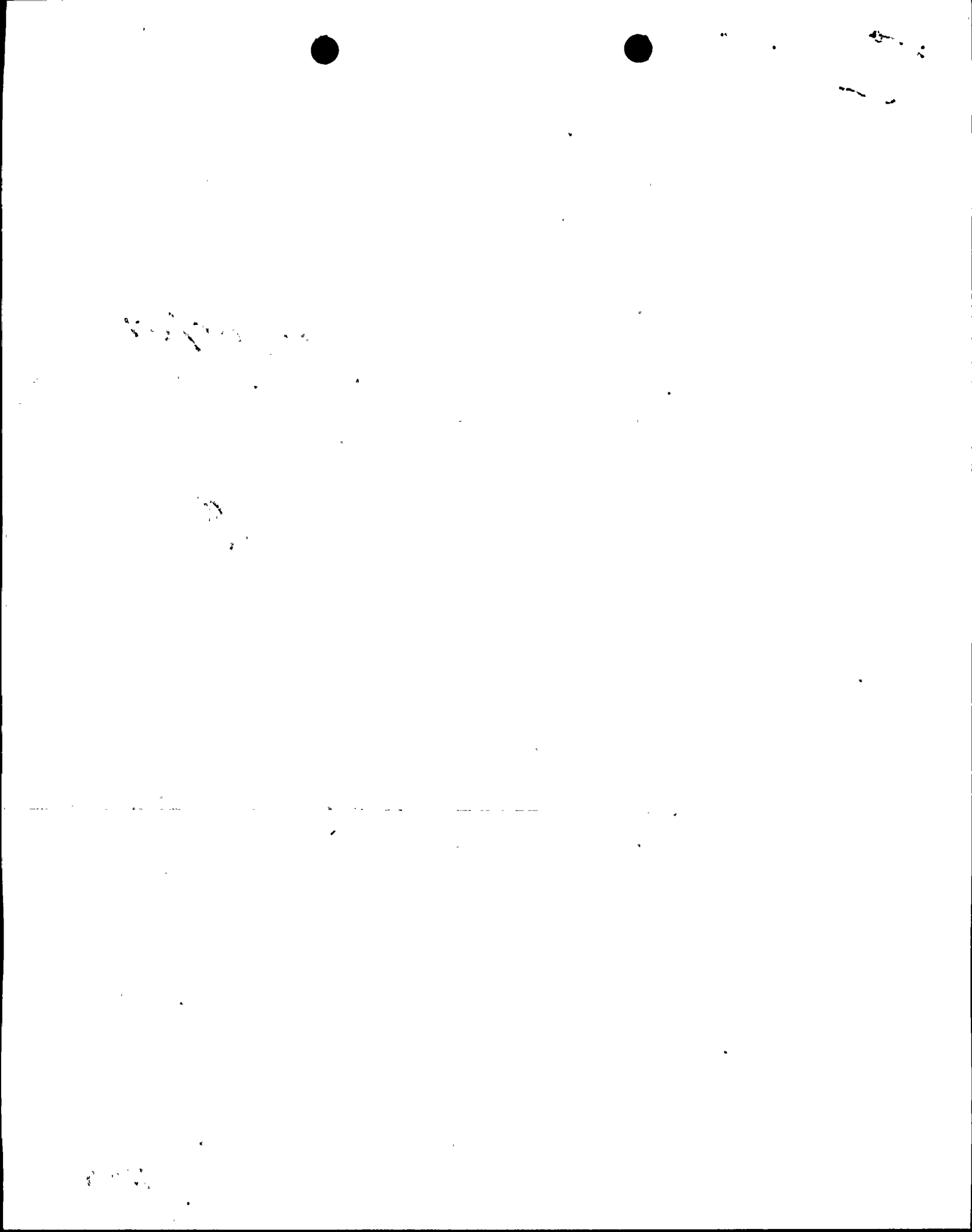
for Judy [Signature]

W. J. Barrow, Jr.
Environmental Dept.

jjo
Enc.

- cc: Allen W. Kirk, EPA
- Nathaniel Reed, Dept. of the Interior
- Richard S. Cleveland, USAEC (Docket No. 50-250-50-251)
- U. S. District Court, Southern Dist. of Fla. (CA 70-328-CA)
- Alex Senkevich, Fla. Dept. of Pollution Control
- Warren G. Strahm, Fla. Dept. of Pollution Control,
Ft. Lauderdale
- Jack Ravan, EPA (NPDES Permit No. FL0001562)
- Groundwater Working Group - All Members

8133



JULY PUMP TEST

<u>Well No.</u>	<u>Date Pumped</u>	<u>Flow, GPM</u>	<u>Total Drawdown, FT.</u>
E-1	7/2/74	180	0.66
E-2	7/2/74	185	.66
E-3	7/2/74	170	.90
E-4	7/2/74	170	.50
E-5	7/2/74	170	.38
E-6	7/2/74	170	.42
E-7	7/2/74	155	1.80
E-8	7/2/74	160	1.08
E-9	7/2/74	160	.98
E-10	7/2/74	170	1.10
E-11	7/2/74	155	1.17
E-12	7/2/74	170	0.64
E-13	7/2/74	170	.70
E-14	7/2/74	170	.41
E-15	7/2/74	170	.33
E-16	7/2/74	170	1.57
E-17	7/2/74	170	0.52
E-18	7/2/74	160	0.27
E-19	7/2/74	170	0.40
E-20	7/2/74	175	0.60
E-21	7/2/74	170	.86
E-22	7/2/74	170	.46
E-23	7/2/74	180	.91

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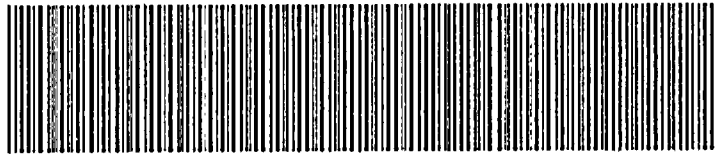
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UNIVERSITY OF PORTLAND

DOCUMENT GROUP START

NRC

OTHER
(EXCEPTION)



AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 6469

FILE: ENVIRO

FROM: Florida Power & Light Co. Miami, FL W. J. Barrow, Jr.		DATE OF DOC 7-10-74	DATE REC'D 7-16-74	LTR X	TWX	RPT	OTHER
TO: A. Gordon Everett (EPA)		ORIG	CC 1	OTHER	SENT AEC PDR XXX SENT LOCAL PDR XXX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-250/251		
DESCRIPTION: Ltr trans the following..... <u>Distribution as per M. Slater</u>				ENCLOSURES: Quarterly Construction Progress Rpt #10: re Turkey Point Cooling Canal System.... (1 cysencl rec'd)			
PLANT NAME: TURKEY POINT UNITS 3 & 4							
FOR ACTION/INFORMATION 7-31-74 GMC							

BUTLER (L)	SCHWENCER (L)	ZIEMANN (L)	REGAN (E)
W/ CYS	W/ CYS	W/ CYS	W/ CYS
CLARK (L)	STOLZ (L)	DICKER (E)	✓LEAR
W/ CYS	W/ CYS	W/ CYS	W/1 CYS info
PARR (L)	VASSALLO (L)	KNIGHTON (E)	
W/ CYS	W/ CYS	W/1 CYS	W/ CYS
KNIEL (L)	PURPLE (L)	YOUNGBLOOD (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS

INTERNAL DISTRIBUTION

✓REG FILE (2)	TECH REVIEW	DENTON	LIC ASST	A/T IND
✓AEC PDR (2)	HENDRIE	GRIMES	DIGGS (L)	BRAITMAN
OGC	SCHROEDER	GAMMILL	GEARIN (L)	SALTZMAN
✓MUNTZING/STAFF	MACCARY	✓KASTNER	GOULBOURNE (L)	B. HURT
CASE	KNIGHT	✓BALLARD	KREUTZER (E)	
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	<u>PLANS</u>
BOYD	SHAO		MAIGRET (L)	MCDONALD
MOORE (L)(LWR-2)	STELLO	<u>ENVIRO</u>	REED (E)	CHAPMAN
✓DEYOUNG (L)(LWR-1)	HOUSTON	MULLER	SERVICE (L)	DUBE w/input
SKOVHOLT (L)	NOVAK	DICKER	✓SHEPPARD (L)	E. COUPE
GOLLER (L)	ROSS	KNIGHTON	✓SLATER (E)	
P. COLLINS	IPPOLITO	YOUNGBLOOD	SMITH (L)	D. THOMPSON (2)
DENISE	TEDESCO	REGAN	✓TEETS (L)	KLECKER
✓REG OPR	LONG	PROJECT MGR	WILLIAMS (E)	EISENHUT.
✓FILE & REGION (3)	LAINAS	✓CLEVELAND	WILSON (L)	
MORRIS	✓BENAROYA	✓HARLESS		
STEELE	VOLLMER			

EXTERNAL DISTRIBUTION

✓1 - LOCAL PDR HOMESTEAD, FL			
✓1 - TIC (ABERNATHY)	✓(1) (XXX) - NATIONAL LABS PNWL		1-PDR-SAN/LA/NY
✓1 - NSIC (BUCHANAN)	1-ASLBP (E/W Bldg, Rm 529)		1-BROOKHAVEN NAT LAB
1 - ASLB	✓1-W. PENNINGTON, Rm E-201 GT		1-G. ULRIKSON, ORNL
1 - P. R. DAVIS	1-B&M SWINEBROAD, Rm E-201 GT		1-AGMED (RUTH GUSSMAN)
16 - ACRS HOLDING	1-CONSULTANTS		Rm B-127 GT
	NEWMARK/BLUME/AGBABIAN		1-RD..MUELLER, Rm F-309
			GT

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July 10, 1974



Dr. A. Gordon Everett, Director
Office of Technical Analysis
Environmental Protection Agency
Room 3211 G - Waterside Mall
4th & M Streets, S. W.
Washington, D. C. 20460

Dear Dr. Everett:

Attached is Quarterly Construction Progress Report No. 10 dated June 3, 1974 for the Turkey Point cooling canal system, Dade County, Florida. This report covers the period from April 1, 1974 through June 30, 1974, and is a requirement of the Consent Decree.

Sincerely,

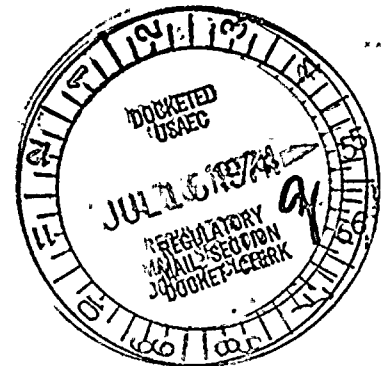
W. J. Barrow, Jr.

W. J. Barrow, Jr.
Environmental Affairs

WJB:dc

Attachment

cc: J. R. Patrick, Jr., EPA, Atlanta
David R. Hopkins, EPA, Ft. Lauderdale
✓ John F. O'Leary, USAEC (Docket No. 50-250, 50-251)
Alex Senkevich, Fla. Dept. of Pollution Control
Warren G. Strahm, Fla.: Dept. of Pollution Control
Colin Morrissey, Dade County Pollution Control
U. S. District Court (CA No. 70-328-CA)
Jack E. Ravan, Regional Administrator, EPA (NPDES Permit #FL0001562)



REGULATORY DOCKET FILE COPY

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REPRODUCED FROM THE NATIONAL ARCHIVES



TURKEY POINT COOLING CANALS SYSTEM

Quarterly Progress Report No. 10

June 30, 1974

This report covers activities for the period April 1 through June 30, 1974.

Good progress was made on the project with an overall completion of 95.4 percent.

WEATHER

This quarter brought mostly southeasterly winds with an average wind speed of approximately 15 miles per hour, gusting up to 25 miles per hour. Recorded rainfall was 13.1 inches; average temperature was 79 degrees; barometric pressure averaged 29.90 inches and the relative humidity averaged 76 percent.

ENGINEERING AND CONSTRUCTION

During this period, I.M.A. maintenance, utility, survey, research and development and support personnel were responsible for the following: Cooling Tower operation; cooling canal maintenance; throttling and balancing the canal system; engineering design and construction of permanent structures; Interceptor Ditch pumping; deep well monitoring; daily cooling canal monitoring; monthly Bay monitoring; construction equipment maintenance; berm revegetation, natural and induced; coordination of non-resident monitoring agencies; and coordination of subcontractors' activities.

I.M.A. forces have continued to operate the cooling tower and power spray modules on a weekly alternating schedule and will continue to do so until July 15 as requested by FP&L and the EPA.

The Bantam crane has assisted in the construction of throttles during this period. To date, some twelve throttles have been built and Station -51 and 0+00 and 8,000 rip-rap bags have been placed so the throttles do not erode due to velocities increasing caused by restriction of canal widths. Throttling has been completed at Station -51 and 0+00 and further throttling criteria is being awaited. The 15B amphibious dragline has been cleaning muck slides in Canal 31 West. These slides occurred during the original excavation.

During this period, the abutments for the collector bridge were completed and the bridge relocated to its new position. The Lake Warren control structure was removed and a permanent fill crossing was made. Pilings were installed for permanent water line crossings at the Air Force and the Boy Scout Camp. The sprinkler system



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ENGINEERING AND CONSTRUCTION (Continued)

for the McGregor Smith monument area and Units 1 and 2 switchyard area was begun as was the new 4" potable water line to the cooling tower and proposed Boy Scout Camp area.

The Interceptor Ditch pumps have continued to run for 24 hours a day, seven days a week and have been monitored and serviced by I.M.A. personnel.

During this period, I.M.A. research and development laboratory personnel continued cultivation and maintenance of the organic gardening plots on the muck berms in the cooling canal system for the induced berm revegetation program. Vegetable, flower seeds and cuttings planted during this time included the following: watermelon, canteloupe, heliotrope, radish, moonflower, marigold, chrysanthemum, sweet potatoe, bean, portulaca, alyssum, beet and zoysia grass. Soil samples from the muck berms were taken and analyzed in the lab for their nutrient contents. Charting of four quadrats of variant vegetative types in conjunction with the natural revegetation program was performed. R & D personnel supported Dames & Moore with ground water monitoring and performed velocity studies in conjunction with the cooling canal throttling program.

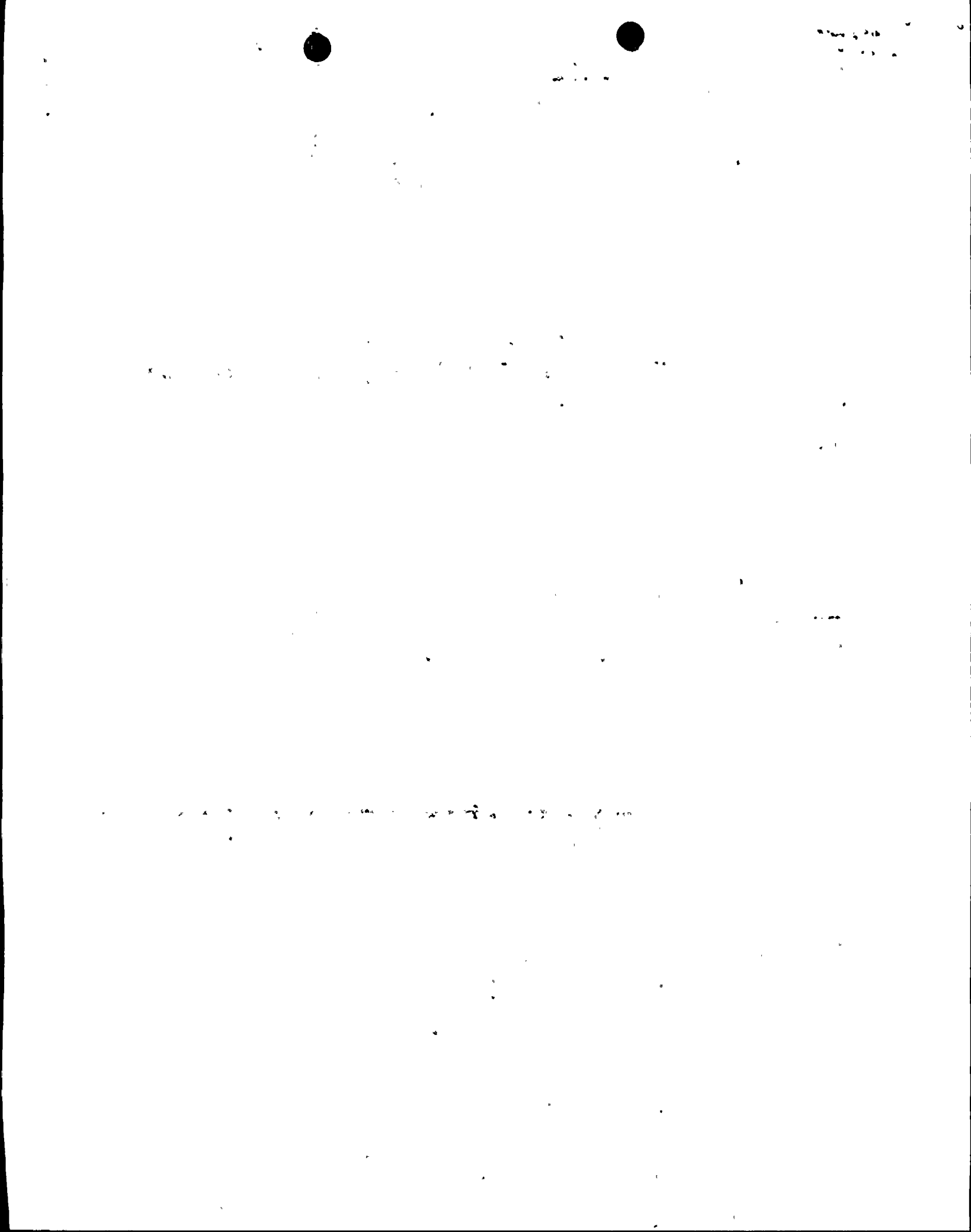
Drilling at the South Dade site continued at Observation Well B and at the Key Largo site. Drilling at both sites was discontinued for a period of time as FP&L and Alsay had some contractual dispute. Drilling has resumed at the Observation Well B only which is now to a depth of 1500 feet with 5 inch well casing set to that depth. This well is scheduled to reach the 1700 foot target depth on July 2 and the operation will then move to the Key Largo site.

Dames & Moore continued regular well monitoring, Interceptor Ditch monitoring, first of the month well monitoring, deep well monitoring and installation of instrumentation in the South Dade research area.

Environmental Systems continued to take daily ambient air samples as the cooling tower and power spray modules operated 24 hours a day, seven days a week.

PERSONNEL

International Management Associates, Inc.....	41
Dames & Moore.....	3
Environmental Systems Corp.....	2
Industrial Contracting.....	5
Dig-All, Inc.....	5
Alsay Drilling Contractors.....	4



SUMMARY OF PROGRESS

	Cooling Canals		All Canals		Other Activities		Total Project	
	This Period	To Date	This Period	To Date	This Period	To Date	This Period	To Date
Prior '72 (Est.)	5.0%	5.0%	5.0%	5.0%	-	-	2.5%	2.5%
	1,000,000	1,000,000	1,000,000	1,000,000				
1st Quarter '72 (May-June)	7.5%	12.5%	10.0%	15.0%	-	-	5.0%	7.5%
	1,687,541	2,687,541	2,124,786	3,124,786				
3rd Quarter '72 (July-September)	13.5%	26.0%	14.0%	29.0%	17.6%	17.6%	15.8%	26.8%
	2,835,943	5,523,484	3,437,903	6,562,689				
4th Quarter '72 (October-December)	12.2%	38.2%	13.2%	42.2%	26.0%	43.6%	19.6%	42.9%
	2,878,311	8,401,795	3,495,764	10,058,452				
1st Quarter '73	14.7%	52.9%	14.2%	56.4%	17.0%	60.6%	15.6%	58.5%
	2,914,657	11,117,352	3,539,687	13,598,140				
2nd Quarter '73	30.8%	83.7%	26.6%	83.0%	3.6%	64.2%	15.4%	73.9%
	3,782,493	14,420,902	4,224,126	17,153,726				
3rd Quarter '73	26.3%	100.0%*	18.2%	100.0%*	0.8%	65.0%	6.5%	80.4%
	1,910,515	16,723,780	1,940,794	19,663,380				
4th Quarter '73	-	-	-	-	8.8%	73.8%	4.8%	85.2%
1st Quarter '74	-	-	-	-	8.7%	82.5%	5.0%	90.2%
2nd Quarter '74	-	-	-	-	9.1%	91.5%	5.2%	95.4%

*NOTE: All canal excavation completed on August 23, 1973.

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