

RADIOLOGICAL ENVIRONMENTAL MONITORING REPORT

TURKEY POINT UNITS 3 & 4

DOCKET NOS. 50-250, 251

DADE COUNTY, FLORIDA

7-1-83 TO 12-31-83

PREPARED FEBRUARY 1984

SUPPLEMENTED JULY 1984

SUPPLEMENTED AUGUST 1984

8410010156 840830
PDR ADOCK 05000250
R PDR



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TABLE 1

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY

NAME OF FACILITY TURKEY POINT PLANT UNITS 3 & 4DOCKET NO. 50-250, 251LOCATION OF FACILITY DADE COUNTY FLORIDAREPORTING PERIOD JULY 1, 1983 - DECEMBER 31, 1983

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Medium or Pathway Sampled	Unit	Analysis for	Number of		All Indicator Locations		Location with Highest Mean			Control ²⁾ Location		No. of Nonroutine-Reported Measurements
			Sites	Samples Analyses	Mean ¹⁾	Range ¹⁾	Sample Location Distance & Direction	Mean ¹⁾	Range ¹⁾	Mean ¹⁾	Range ¹⁾	
3. Fresh Water Drainage Canals												
(Surface Water)	pCi/l	Tritium	2	12	12	380 (5/12)	220-560	T75 - Florida City Canal (2 miles - WNW)	380 (5/6)	220-560	NA NA	NA NA
	"	Gross B-DS			12	180 (8/10)	4.2 320	T75: Florida City Canal (2 miles - WNW)	240 (6/6)	160-320	NA NA	NA NA
	"	Gross B-UDS			12	ND	NA	NA	NA	NA	NA NA	NA NA
2.2 WELLS												
1. Potable Well Water												
(Drinking Water)	pCi/l	Tritium	3	6	6	ND	NA	NA	NA	NA	NA NA	NA NA
	"	Gross B-DS			6	7.1 (4/6)	5-10	T57: Dolan's Farm (4 miles - NW)	8.9 (2/2)	7.7-10	NA NA	NA NA
	"	Gross B-UDS			6	ND	NA	NA	NA	NA	NA NA	NA NA
2. Ground Water Wells												
(Ground Water)	pCi/l	Tritium	6	12	12	660 (4/12)	260-1150	T88-Groundwater Well E-14 (5 Miles - S)	870 (2/2)	580-1150	NA NA	NA NA
	"	⁸⁹ Sr			12	ND	NA	NA	NA	NA	NA NA	NA NA
	"	⁹⁰ Sr			12	ND	NA	NA	NA	NA	NA NA	NA NA
	"	Y emitting ³⁾ isotopes			12	ND	NA	NA	NA	NA	NA NA	NA NA

DS - Dissolved Solids

UDS - Undissolved Solids

ND - Not Detectable

NA - Not Applicable

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NAME OF FACILITY TURKEY POINT PLANT UNITS 3 & 4DUCKET NO. 50-250, 251LOCATION OF FACILITY DADE COUNTY FLORIDAREPORTING PERIOD JULY 1, 1983 - DECEMBER 31, 1983

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Medium or Pathway Sampled	Unit	Analysis for	Number of			All Indicator Locations		Location with Highest Mean			Control ²⁾ Location		No. of Nonroutine - Reported Measurements
			Sites	Samples	Analyses	Mean ¹⁾	Range ¹⁾	Sample Location Distance & Direction	Mean ¹⁾	Range ¹⁾	Mean ¹⁾	Range ¹⁾	

5.0 TERRESTRIAL

1. Small Animal

(Raccoon)

pCi/kg	⁸⁹ Sr	1	1	1	ND	NA	NA	NA	NA	NA	NA	NA
"	⁹⁰ Sr	1		1	ND	NA	NA	NA	NA	NA	NA	NA
"	γ emitting ³⁾ isotopes	1		1	ND	NA	NA	NA	NA	NA	NA	NA

2. Food Crops

(Malanga,
Sugar Cane)

pCi/kg	⁸⁹ Sr	3	3	3	ND	NA	NA	NA	NA	NA	NA	NA
"	⁹⁰ Sr	3		3	5.2 (2/3)	2.9-7.4	T55: Silver Palm Drive (7 miles NNW)	7.4 (1/1)	NA	NA	NA	NA
	γ emitting ³⁾ isotopes	3		3	ND	NA	NA	NA	NA	NA	NA	NA

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