

TABLE 4.12-1 - SHEET 1

OPERATIONAL ENVIRONMENTAL RADIOLOGICAL SURVEILLANCE PROGRAM (1)

	<u>Criteria and Sampling Locations</u>	<u>Collection Frequency (2)</u>	<u>Analysis/Counting</u>
1. <u>AIR</u>			
1.1 Particulate and Iodine	Comparison of on-site versus off-site & reference locations 3 locations on-site in prevailing wind directions from plant T58, T71, T72 4 locations off-site within a radius of 10 miles of plant in prevailing wind directions from the plant T51, T52, T56, T57 1 location for reference 22 miles north of plant site T64	Weekly	Gross Beta Gamma spectral analysis of monthly composite if indicated by high beta activity Radioactive Iodine
1.2 Direct Radiation	Comparison of on-site versus off-site & reference locations Sampling locations same as 1.1, plus off-site on North Key Largo T70	Monthly	Determine direct radiation exposure by TLD readout
1.3 Precipitation (3)	Comparison of on-site versus off-site & reference locations 1 location on-site T72 1 location for reference 22 miles north of plant site T64 2 locations off-site within a radius of 10 miles of plant in prevailing wind directions from the plant T52, T57	Monthly	Gross beta Gamma spectral analysis (4) Tritium (4)
2. <u>WATER</u>			
2.1 Surface Water			
2.1.1 Estuarine	5 locations - Biscayne Bay T51, T67, T69, T71, T93 5 locations - Card South T66, T81, T86, T94, T95	Quarterly	Gamma spectral analysis Tritium Sr-89 & 90 (if detected in 2.1.2)
2.1.2 Cooling Canal System	1 location - Lake Warren T84 1 location - Loch Rosetta T97	Monthly	Gamma spectral analysis Tritium Sr-89 & 90

SAFETY EVALUATION

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Proposed License Amendment
Environmental Surveillance Program

I. Introduction

This evaluation supports a basically administrative change in Technical Specification Table 4.12-1, which lists various environmental surveillance requirements. Precipitation sample location T79 is changed to location T72.

II. Evaluation

Item 1.3 of the Table lists four locations on and around the Turkey Point site that are used by the State of Florida as collection points for precipitation samples. One of the locations is on the plant site and the other three locations are several miles distant from the plant site.

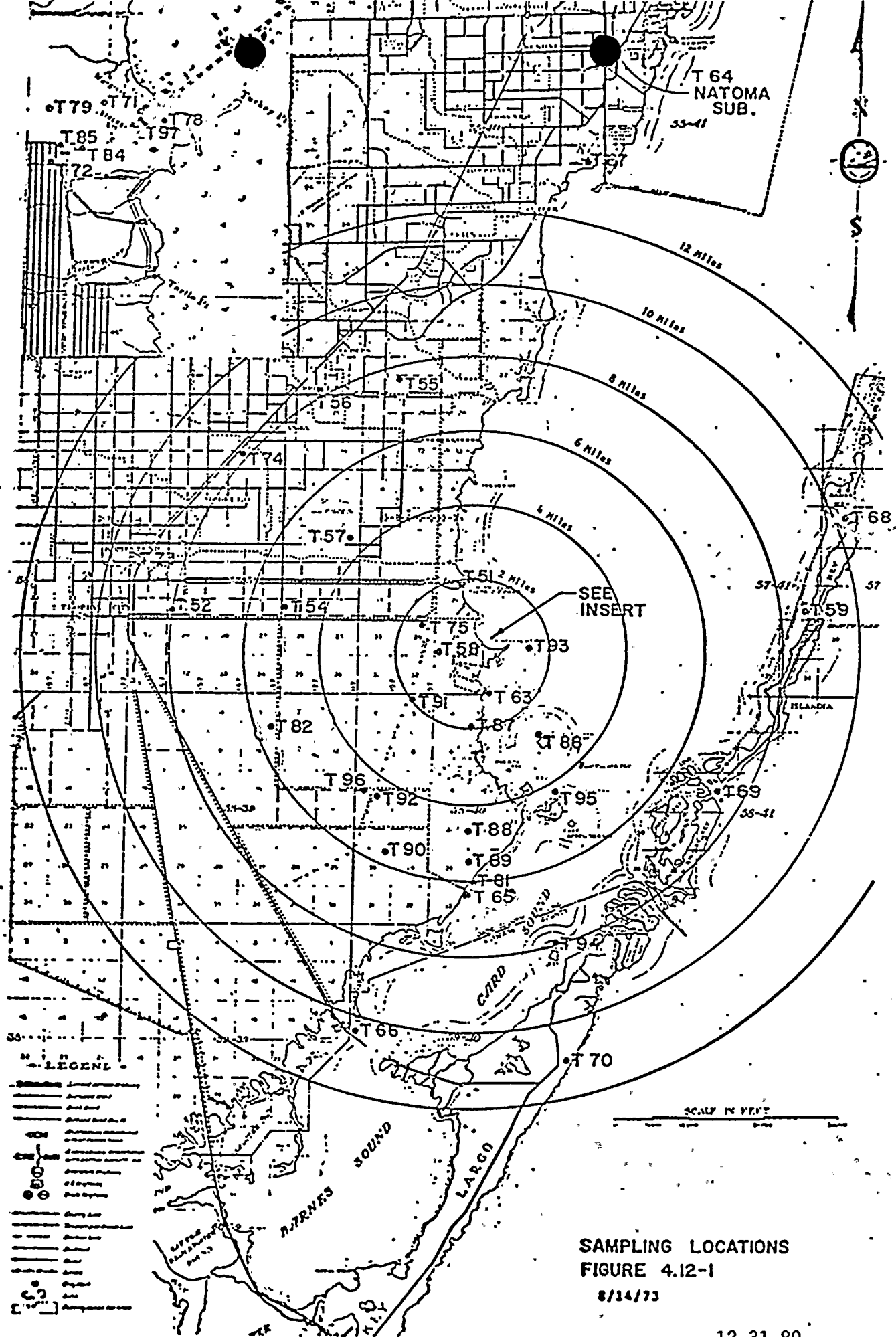
Table 4.12-1, Sheet 1 presently lists T79 as the on-site precipitation sampling location (see Technical Specification Figure 4.12-1 attached for information). This location is near the site boundary station along the entrance road into the plant. In February and March of this year, the precipitation sample at location T79 was unusable due to motor oil contamination. The sampling drum is easily accessible from the entrance road, and used motor oil was apparently introduced into the drum by a person or persons unknown.

Since the site boundary station is unmanned, and since the entrance road adjacent to location T79 is heavily travelled, it was decided to relocate the precipitation sampling drum to location T72. The new location is on-site, and, as shown on Figure 4.12-1, it is relatively near the old location (approximately 1 mile distant). Access to location T72 is also controlled through a manned security gate.

The change in sample location is necessary to ensure the capability of obtaining reliable monthly precipitation samples from an on-site location. With respect to rainfall, there is no significant difference between locations T79 and T72, and relocation to T72 does not have any safety implications.

III. Conclusion

We have concluded, based on the considerations discussed above, that: (1) the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.



STATE OF FLORIDA

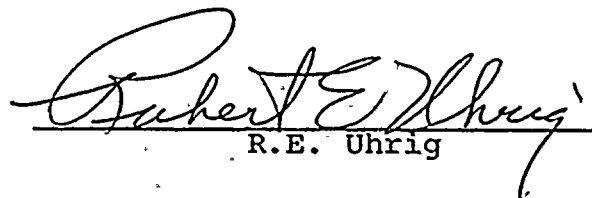
COUNTY OF DADE.

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SS.

R.E. Uhrig, being first duly sworn, deposes and says:

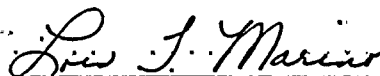
That he is a Vice President of Florida Power & Light Company, the licensee herein;

That he has executed the foregoing document; that the statements made in this said document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said licensee.


R.E. Uhrig

Subscribed and sworn to before me this

31st day of December, 1980


NOTARY PUBLIC, in and for the County of Dade,
State of Florida

My commission expires:

NOTARY PUBLIC STATE OF FLORIDA at LARGE
MY COMMISSION EXPIRES AUGUST 24, 1981
BONDED THRU MAYNARD BONDING AGENCY

