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ONSITE GROUND/SURFACE WATER MONITORING QUESTIONNAIRE

for Turkey Point NUCLEAR PLANT
Onsite Radiological Effluent/REMP Monitoring Program

Phase I (Near term response)

1. Does the licensee have radioactive groundwater monitoring wells onsite? Yes No

 If YES: How many wells: _____

Where are they located (e.g , distributed around/throughout the site, in a particular region of the site and/or near particular buildings/structures, etc.)

- (a.) within the Protected Area
 (b.) within the Radiologically Restricted Area
 (c.) within the owner-controlled area

(d.) at what frequency does the licensee sample/analyze the wells _____

(e.) for what radionuclides does the licensee monitor
Gamma emitters (gamma Spec)

Tritium
If Yes - at what MDA _____

Gross Beta
If Yes - at what MDA _____

Other: _____
If Yes - at what MDA _____

2. If the licensee does NOT have an onsite radioactive groundwater monitoring program:
 (a.) Does the licensee plan to implement a groundwater monitoring program? *
 If Yes, when and to what extent: _____

- (b.) Does the licensee plan to take other measures to assure they can identify radioactive groundwater contamination *

* Currently under review and consideration

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3. Does the licensee have a french drain system surrounding the main reactor facility and auxiliary structures ?

Yes

NO

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(a.) Is the system analyzed for radionuclides?

(b.) at what frequency does the licensee sample/analyze the wells _____

(c.) for what radionuclides does the licensee monitor

Gamma emitters (gamma Spec)

If Yes - at what MDA _____

Tritium

If Yes - at what MDA _____

Gross Beta

If Yes - at what MDA _____

4. Does the licensee have a surveillance program to periodically :
- (a.) walkdown outside areas around the site to look for potential leaks and spills?
- (b.) pressurize buried radwaste lines to evaluate structural integrity and evaluate potential for leaks and spills?
5. Does the licensee perform any other onsite monitoring (e.g. soil sampling) to identify unexpected radioactive releases
6. Does the licensee's radioactive liquid discharge line traverse any non-licensee owned areas (e.g., it is on a right-of-way surrounded by private properties)?
7. If the licensee has a discharge pipe that runs underground or any underground piping that carries radioactive liquids, does the licensee perform monitoring along the discharge pathway to identify potential leakage?

If YES

How frequently is the sampling performed: _____

8. Historical Onsite Radioactive Contamination:
- (a.) Does the licensee have any history of radioactive spills and/or leaks outside of buildings/structures?
- Are they documented in 10 CFR 50.75g file?
- (b.) Has the licensee identified onsite radioactive groundwater contamination?

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If YES:

➤ When was it identified - IF known:

Dates: 1981

LER/Abnormal Event Report/Condition Report Nos:
SEE NOTE 1 (If available)

➤ To what extent - IF known [square footage, estimated ground depth of the contamination, estimated quantity (volume / concentration), etc.]

Five water samples collected under the radiation controlled area (RCA) at the muck/water interface approximately 6.5' to 8.5' below ground level. Had very low levels (within established limits for unrestricted areas) of Co-60, Cs-134, Cs-137

➤ Has the contamination moved outside the Restricted Area or the owner-controlled area

YES NO

SEE NOTE 2.

9. Comments:

THE WATER IN THE COOLING CANAL SYSTEM IS
SAMPLED FOR TRITIUM MONTHLY AS PART OF THE
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

NOTE 1: FPL LETTER TO NRC DATED 12/23/81 PURSUANT TO 10CFR 20.302

NRC LETTER TO DR. R.E. UHRIG (FPL) DATED 3/3/82 APPROVED TO RETAIN CONTAMINATED EARTH IN PLACE.

NOTE 2: FPL CONCLUDED THAT ANY POTENTIAL MIGRATION OF THE CONTAMINANTS WOULD BE IN THE DIRECTION OF THE INTAKE BASIN AND WOULD NOT REACH THE BASIN IN LESS THAN 140 YEARS.

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