

MAR 30 1977

Docket

Docket Nos. 50-250/251

MEMORANDUM FOR: G. Lear, Chief, Operating Reactors Branch No. 3, DOR

FROM: J. Collins, Chief, Effluent Treatment Systems Branch, DSE

SUBJECT: ACCEPTANCE REVIEW OF THE ADDITIONAL APPENDIX I INFORMATION FOR TURKEY POINT, UNIT NOS. 3 AND 4

We have reviewed the additional information submitted January 27, 1977, in response to our request of November 26, 1976, for information needed for our Appendix I evaluation. We have also reviewed the information submitted November 15, 1976, to support decommissioning the Turkey Point meteorological facility. The information presented in the two separate submittals is sufficiently contradictory to preclude initiation of our Appendix I evaluation.

Therefore, at this time, the licensee has not provided sufficient information that will permit evaluation of Section II.D of Appendix I to 10 CFR Part 50. The additional information we will need is enclosed.

ORIGINAL SIGNED BY
JOHN T. COLLINS

John T. Collins, Chief
Effluent Treatment Systems Branch
Division of Site Safety and
Environmental Analysis

Enclosure;
Additional Questions

- cc: K. Goller
- R. Vollmer
- L. Hulman
- W. Kroger
- F. Congel
- B. Markeo
- D. Elliott
- T. Verdory
- W. Burke
- R. Weller
- B. Grimes

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REQUEST FOR ADDITIONAL INFORMATION - APPENDIX I
TURKEY POINT - UNITS 3 & 4
DOCKET NOS. 50-250 & 50-251
METEOROLOGY

There appears to be an inconsistency between information provided in support of the decommissioning of the Turkey Point meteorological facility (undated letter from Uhrig to Lear, received 11/15/76) and the information provided to demonstrate compliance with Appendix I to 10 CFR 50 (1/27/77 letter from Uhrig to Lear). The conclusions reached by FP&L in the 11/15/76 submittal were that "...the Turkey Point meteorological instrumentation system in its present form (should) be decommissioned since some of the equipment does not meet Regulatory Guide 1.23 measurements and the exposure of the equipment is questionable." Specifically, the exposure of the temperature sensors is such that a "heat island influence (is) experienced at night at Turkey Point, due to the location of the ΔT instrumentation at Turkey Point to the facility structures", and "the lower level wind sensor at Turkey Point is located within an area that potentially obstructs the flow of air due to foliage growth that exceeds the sensor height." Furthermore, comparison of low level wind data from the present Turkey Point meteorological instrumentation with data from a supplemental low level wind sensor (located in "unobstructed terrain") indicated sufficient differences in wind speed and wind direction measurements to warrant the conclusion that "there has been shown considerable evidence to suggest the wind is distorted at the Turkey Point site at the Ranger Station." The resultant recommendation by FP&L was to initiate a monitoring program to "provide low level wind data that adequacy represents the ambient meteorological conditions in the vicinity of the Turkey Point site" by locating suitable instrumentation "in the Turkey Point Plant area, in flat, open, unobstructed terrain."

These conclusions and recommendations contradict with information provided in the 1/27/77 submittal. Statements are made that this "data presented in Attachment A are representative of the climatology at Turkey Point and should reflect what is to be expected as the meteorology data is collected continuously at the site and analyzed", and that the "meteorological program for Turkey Point has been properly organized and equipped to assess the diffusion parameters characteristics of the site." The data presented in Attachment A using the "30-ft level" wind data and for the unspecified interval of vertical temperature gradient are probably non-representative because of distortions due to the presence of structures and other obstructions of airflow (as discussed in the 11/15/76 submittal).

1. Clarify the inconsistencies in information concerning the representative of onsite meteorological measurements, particularly low level wind speed and direction, and vertical temperature gradient.
2. Discuss which available onsite meteorological measurements would provide the "best estimate" of atmosphere transport and diffusion characteristics for an interim Appendix I evaluation.
3. Provide 7 tables of joint frequency distributions of wind speed and wind direction at the 64 m level by atmospheric stability defined by the vertical temperature gradient between 5m and 64m for at least one year with data recovery of 90% or greater.
4. Explain the difference between the level of wind measurements indicated in Item c(1) of the 1/27/77 submittal and those indicated in Table 2 of Attachment C to the same submittal.
5. Explain how "All meteorological tower wind speeds are reduced to a 10 meter level by the Pasquill definition of the vertical lapse rate (see Table 1 of Attachment B)."

3/22/77

FLASH NOTE

50-250/251

MEMORANDUM FOR: George Lear, Chief, Operating Reactors Branch #3, DOR

FROM: Donald M. Elliott, Project Manager, Operating Reactors Branch #3, DOR

SUBJECT: ARREST OF TURKEY POINT EMPLOYEE

The Miami Metropolitan Organized Crime Group, a branch of the Miami Metropolitan Police Force, arrested a Turkey Point night shift mechanic and his wife at 4:00 a.m., Tuesday, March 22, 1977. Upon searching his house the police found: (1) 40 lbs. of dynamite, (2) 21 assorted weapons, (3) 3 ounces of cocaine, (4) 1/2 lb. of marijuana and (5) a large assortment of barbiturates.

The employee has been working for FPL for approximately 14 months and had access to the facility's vital areas. The employee is still in jail and FPL has not had a chance to interview the employee since his arrest. FPL had informed I and E of this incident but has not issued a statement to the newspapers.

This note is for information.

Donald M. Elliott, Project Manager
 Operating Reactors Branch #3
 Division of Operating Reactors

- cc: V. Stello
- K. R. Goller
- E. Case
- B. C. Rusche
- R. A. Clark

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