

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT



CORBIN A. McNEILL, JR.

Resident Manager

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November 29, 1982

JAFP 82-1261

SERIAL:

Division of Engineering and Technical Programs
U.S. Nuclear Regulatory Commission, Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Attention: Thomas T. Martin, Director

SUBJECT: STATUS REPORT - OFF-GAS SYSTEM TESTING AND REPAIR

Dear Mr. Martin:

Our response to the Health Physics Appraisal, JAFP-82-0478, committed us to restoring the Augmented Off-Gas Treatment System to service by June 1, 1982. Due to recurrent off-gas leakage problems, FitzPatrick was unable to meet the committed date. This condition was reported in our June 1, 1982 status letter. This letter provides the current status of the system as requested by your November 1, 1982 letter.

- a. Work on identifying and repairing off-gas leaks on the recombiner continued through June and July. System leak repairs were completed on August 3, 1982. Repair of the off-gas dryer purge flow control loop was completed the following day and a successful recombiner start-up was accomplished.
- b. The recombiner has been in service continuously since August 4, 1982 except for plant shutdowns, a three (3) day period in November (Off-Gas leak repair), and a four (4) day period in September (Off-Gas dryer dessicant replacement).

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- c. The off-gas charcoal beds have not been placed in service to date. The problem here stems from high dryer outlet moisture which degrades activated charcoal performance. Thermodynamic and psychrometric studies of the system indicate a number of design problems and equipment degradations could exist to cause this high moisture problem.

We intend to continue operation of the Off-Gas System in its present mode using the recombiner and bypassing the charcoal filters. The efforts to identify and resolve the remaining problems through an engineering study will continue. Because the cause of the high moisture has not been fully identified, an exact schedule cannot be given. However, the Power Authority will update your office as to our progress on February 1, 1983.

Very truly yours,

by dr. R. Converse

CORBIN A. McNEILL, JR.
RESIDENT MANAGER

CAM:RTL:dmh

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