

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT



JOHN D. LEONARD, JR.  
Resident Manager

October 17, 1979  
JAFP-79-566

P.O. BOX 41  
Lycoming, New York 13093  
315-342-3840

Mr. Boyce H. Grier, Director  
United States Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

SUBJECT: NRC I & E BULLETIN 79-18  
AUDIBILITY PROBLEMS ENCOUNTERED ON EVACUATION OF PERSONNEL  
FROM HIGH-NOISE AREAS

Dear Mr. Grier:

The following provides the response of the James A. FitzPatrick Nuclear Power Plant Staff to the request for additional information contained in I & E Bulletin 79-18.

The responses are enumerated in the same order as the questions or required actions set forth in the request for additional information.

RESPONSE 1

1. The review specified in item 1 has been completed. Evaluation of the plant areas resulted in identification of 11 areas as having inadequate audible or visual alarm capabilities. This evaluation was performed during full power operation which is considered the condition of maximum anticipated noise level.

RESPONSE 2

1. Areas identified as inaudible areas will be evaluated to determine what type of additional device or devices will be required to insure that adequate audible or visual alarms are provided.
2. Following the installation of additional visual or audible devices the areas will be reevaluated. If it is determined that an area continues to be inadequately equipped with visual or audible alarm devices, the system will be reengineered and either additional devices will be installed or administrative measures such as requiring an inspection of the area in the event of an emergency will be implemented. If the later is required, the site emergency plan will be revised to include instructions for implementation.

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RESPONSE 3

As a result of the evaluation conducted as outlined in response one (1) above, the following areas were found to be inadequate with regard to clearly discernable evacuation signals. These areas are as follows:

1. Location  
Battery charge room (125 VDC)  
Corrective Action  
Additional speaker(s) installation
2. Location  
Fan rooms in east and west electrical bays  
Corrective Action  
Additional speaker(s) installation
3. Location  
Feedwater booster pump bay 252'el, turbine building north.  
Corrective Action  
Installation of visual alarm
- \*4. Location  
Each feedwater heater bay (6), turbine building  
EL 252 A and B  
EL 272 A and B  
EL 292 A and B  
Corrective Action  
Additional speaker(s) installation in each heater bay
- \*5. Location  
Turbine building EL 272 condenser bay (recombiner area)  
Corrective Action  
Additional speaker(s) installation
- \*6. Location  
Turbine building EL 250 west water box area  
Corrective Action  
Additional speaker(s) installation
- \*7. Location  
Turbine building EL 250, east water box area  
Corrective Action  
Additional speaker(s) installation
- \*8. Location  
North end of steam tunnel (turbine building)  
Corrective Action  
Additional speaker(s) installation

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9. Location  
Turbine building EL 252, condenser air removal pump area  
Corrective Action  
Additional speaker(s) installation
10. Location  
East cable tunnel (south end)  
Corrective Action  
Additional speaker(s) installation
11. Location  
West cable tunnel (south end)  
Corrective Action  
Additional speaker(s) installation
12. Location  
East end of cable tunnel (shower drain tank area)  
Corrective Action  
Additional speaker(s) installation
- \*13. Location  
Torus containment area

\*Designates those areas which are inaccessible during plant operation.

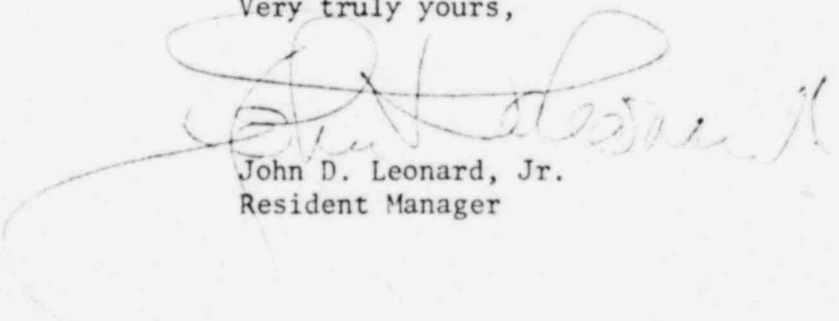
RESPONSE 4

1. The corrective actions determined per item (2) for those areas which are accessible during plant operation will be completed within 120 days from the date of this report. (Refer to the Power Authority's response of September 7, 1979 (JAFP-79-468) for our request to postpone the evaluation because of plant shutdown.) The areas which are considered inaccessible due to high radiation during plant operation (and are entered infrequently for short periods of time), will be completed during the next refueling outage.

Very truly yours,

JDL:EAM:jlk

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