

Power Reactor

Event # 52480

|                                       |                  |   |  |
|---------------------------------------|------------------|---|--|
| <b>Site:</b> FITZPATRICK              |                  | <b>Notification Date / Time:</b> 01/10/2017 22:45 (EST) |  |
| <b>Unit:</b> 1                        | <b>Region:</b> 1 | <b>State :</b> NY                                       | <b>Event Date / Time:</b> 11/10/2016 16:04 (EST) |
| <b>Reactor Type:</b> [1] GE-4         |                  | <b>Last Modification:</b> 01/10/2017                    |  |
| <b>Containment Type:</b> MARK I       |                  |   |  |
| <b>NRC Notified by:</b> MARK HAWES    |                  | <b>Notifications:</b> ANTHONY DIMITRIADIS R1DO          |  |
| <b>HQ Ops Officer:</b> DONALD NORWOOD |                  | PART 21/50.55 REACTOREMAIL                              |  |
| <b>Emergency Class:</b> NON EMERGENCY |                  |   |  |
| <b>10 CFR Section:</b>                |                  |   |  |
| 21.21(a)(2) INTERIM EVAL OF DEVIATION |                  |   |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 67         | Power Operation | 67         | Power Operation |

## PART 21 - FAILURE OF POWER SUPPLIES TO MEET VOLTAGE STABILITY SPECIFICATIONS

"This notification is a 10 CFR 21.21(a)(2) interim report for power supply model N-2ARPS-A6. Two instrument power supplies for the 'B' Residual Heat Removal (RHR) system were being bench tested prior to installation when it was discovered that they failed to meet Vendor Technical Manual specifications for voltage stability for varying loads. The deviation was a voltage drop of approximately 300mV. This did not meet the specification of less than 150mV when varying current from 5 amps (full load) to 2.5 amps. A second replacement power supply exhibited a similar 300 mV drop.

"James A. FitzPatrick (JAF) reviewed the work order instructions to determine if there was a deviation from the recommendations in the Foxboro technical manual F180-0309 Spec 200 Multinest Power Supply 2ARPS Series calibration. Since as-found voltage readings were within the required tolerance of the RHR instrument loops, the power supplies appear to have been capable to perform their intended function. However, this evaluation did not troubleshoot why the power supplies failed to meet the calibration requirements.

"The power supplies were sent to a repair vendor. The input from this vendor is expected to allow JAF to complete the evaluation per 10 CFR 21.21(a)(1) by March 21, 2017, and a notification for failure to comply or defect per 10 CFR 21.21(d)(3)(i) is expected by March 24, 2017, if necessary. This notification is being submitted as an interim report per 10 CFR 21.21(a)(2)."

The licensee notified the NRC Resident Inspector.

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IE19  
NRR

REACTOR PLANT  
EVENT NOTIFICATION WORKSHEET

EN # 52480

NRC OPERATION TELEPHONE NUMBER: PRIMARY -- 301-816-5100 or 800-532-3469\*, BACKUPS -- [1st] 301-951-0550 or 800-449-3694\*,  
[2nd] 301-415-0550 and [3rd] 301-415-0553

\*Licensees who maintain their own ETS are provided these telephone numbers.

|  |  |  |   |                               |
|--|--|--|---|-------------------------------|
| NOTIFICATION TIME<br>2245 EST  | FACILITY OR ORGANIZATION<br>James A. FitzPatrick                 | UNIT<br>1  | NAME OF CALLER<br>Mark Hawes                        | CALL BACK #<br>(315) 349-6664 |
| EVENT TIME & ZONE<br>16:04 ET  | EVENT DATE<br>11/10/2016   | POWER/MODE BEFORE<br>67% / Mode 1                                | POWER/MODE AFTER<br>67% / Mode 1                    |                               |
| <b>EVENT CLASSIFICATIONS</b>   |  | <b>1-Hr. Non-Emergency 10 CFR 50.72(b)(1)</b>                    |   |                               |
| <input type="checkbox"/> GENERAL EMERGENCY GEN/AAEC                            | <input type="checkbox"/> TS Deviation ADEV                       | <input type="checkbox"/> (v)(A) Safe S/D Capability AINA         |   |                               |
| <input type="checkbox"/> SITE AREA EMERGENCY SIT/AAEC                          | <b>4-Hr. Non-Emergency 10 CFR 50.72(b)(2)</b>                    |  | <input type="checkbox"/> (v)(B) RHR Capability AINB |                               |
| <input type="checkbox"/> ALERT ALE/AAEC  | <input type="checkbox"/> (i) TS Required S/D ASHU                | <input type="checkbox"/> (v)(C) Control of Rad Release AINC      |   |                               |
| <input type="checkbox"/> UNUSUAL EVENT UNU/AAEC                                | <input type="checkbox"/> (iv)(A) ECCS Discharge to RCS ACCS      | <input type="checkbox"/> (v)(D) Accident Mitigation AIND         |   |                               |
| <input type="checkbox"/> 50.72 NON-EMERGENCY (see next columns)                | <input type="checkbox"/> (iv)(B) RPS Actuation (scram) ARPS      | <input type="checkbox"/> (xii) Offsite Medical AMED              |   |                               |
| <input type="checkbox"/> PHYSICAL SECURITY (73.71) DDDD                        | <input type="checkbox"/> (xi) Offsite Notification APRE          | <input type="checkbox"/> (xiii) Loss Comm/Asmt/Resp ACOM         |   |                               |
| <input type="checkbox"/> MATERIAL/EXPOSURE B???                                | <b>8-Hr. Non-Emergency 10 CFR 50.72(b)(3)</b>                    |  | <b>60-Day Optional 10 CFR 50.73(a)(1)</b>           |                               |
| <input type="checkbox"/> FITNESS FOR DUTY HFIT                                 | <input type="checkbox"/> (ii)(A) Degraded Condition ADEG         | <input type="checkbox"/> Invalid Specified System Actuation AINV |   |                               |
| <input checked="" type="checkbox"/> OTHER UNSPECIFIED REQMT. (see last column) | <input type="checkbox"/> (ii)(B) Unanalyzed Condition AUNA       | <b>Other Unspecified Requirement (Identify)</b>                  |   |                               |
| <input type="checkbox"/> INFORMATION ONLY NINF                                 | <input type="checkbox"/> (iv)(A) Specified System Actuation AESF | <input checked="" type="checkbox"/> 10 CFR 21.21(a)(2) NONR      |   |                               |
|  |  | <input type="checkbox"/> NONR                                    |   |                               |

## DESCRIPTION

Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc. (Continue on back)

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|                     |                                     |                                     |                          |                                       |  |   |
|---------------------|-------------------------------------|-------------------------------------|--------------------------|---------------------------------------|--|---|
| NOTIFICATIONS       | YES                                 | NO                                  | WILL BE                  | ANYTHING UNUSUAL OR NOT UNDERSTOOD?   | <input type="checkbox"/> YES (Explain above) | <input checked="" type="checkbox"/> NO                              |
| NRC RESIDENT        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                       |  |   |
| STATE(s)            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | DID ALL SYSTEMS FUNCTION AS REQUIRED? | <input checked="" type="checkbox"/> YES      | <input type="checkbox"/> NO (Explain above)                         |
| LOCAL               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                       |  |   |
| OTHER GOV AGENCIES  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | MODE OF OPERATION UNTIL CORRECTED:    | ESTIMATED RESTART DATE: (MM/DD/YYYY)         | ADDITIONAL INFO ON BACK   |
| MEDIA/PRESS RELEASE | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                       |  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |