



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

JAN 29 1993

MEMORANDUM FOR: New York Power Authority Assessment Panel (NAP) Members
FROM: Curtis J. Cowgill, NAP Chairman
SUBJECT: MINUTES FROM NAP MEETING 93-01

The NAP meeting began at 1:30 PM on January 19, 1993. Curt Cowgill opened the meeting by outlining the NAP Charter, expectations for the current NAP members, and future activities. Pete Eselgroth reviewed the minutes from FAP meeting 92-15. There were no additions or corrections to the minutes from panel members.

Bill Cook discussed the current FitzPatrick status. The plant was at 20% power with HPCI and RCIC testing in progress. The inner seal for the 'B' recirculation pump had still not seated; the licensee's current plan is to operate at 100% power for about a week, and if the seal doesn't seat, NYPA will shut down the plant and replace it. Offgas flow was still high, and a bearing was replaced on the 'A' reactor feedwater pump. Once main turbine overspeed testing is satisfactorily complete, reactor power will be raised to 50%, which is the next milestone.

Glenn Tracy discussed the current Indian Point 3 status. After a shut down over the weekend for main turbine balancing, reactor power was being increased to 100%. Problems with the #31 main boiler feed pump speed controller was limiting power to 62%. Panel members also briefly discussed the management meeting held with NYPA at Indian Point 3 on January 14, and the repair to the component cooling water leak which was identified over the weekend of January 17.

Pete Eselgroth briefly discussed the references that closed the last group of FitzPatrick start-up issues (SUI- 47, 48, 68, 70, 74, 77, 78 & 80) and FAP action items (FAP AI 92-10-03, 92-11-01, 92-12-03 & 92-12-04) prior to the FitzPatrick restart. Enclosure 1 is the final FitzPatrick SUI table and Enclosure 2 is the final FAP action item list. All FitzPatrick SUIs and FAP AIs are closed.

Bill Cook discussed the licensee's restart self-assessment status, including NYPA senior management 24-hour coverage and Plant Leadership Team milestone meetings. Management oversight of unit restart activities has been excellent. Shift operations have been excellent. The evolutions in progress have been very closely controlled to minimize any interference or distractions. Generally, no concurrent activities are allowed. All problems that have developed are clearly defined and action plans formulated and approved by site management prior to any work or additional troubleshooting and repairs. The NAP assigned Pete Eselgroth an action item (93-01-01) to coordinate a meeting with NYPA to discuss the results of their second Results Improvement Program self-assessment and post-startup lessons learned. A proposed date would be sometime in March.

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PDR ADOCK 05000286
P PDR

cc:

Region I Docket Room (w/concurrences)

Reactor Projects Section 1B FAP File

T. Martin, RA

W. Kane, DRA

C. Hehl, DRP

J. Wiggins, DRP

R. Urban, DRP

L. Scholl, DRP

B. Cook, SRI - Fitzpatrick

G. Tracy, SRI - IP3

W. Hodges, DRS

W. Lanning, DRS

R. Cooper, DRSS

S. Shankman, DRSS

V. McCree, OEDO

T. Murley, NRR

F. Miraglia, NRR

J. Partlow, NRR

S. Varga, NRR

J. Calvo, NRR

M. Davis, NRR

E. Jordan, AEOD

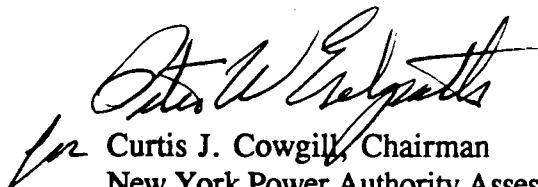
S. Rubin, AEOD

Curt Cowgill solicited opinions from the panel members concerning lessons learned from the FAP and from the restart of FitzPatrick. The NAP assigned Curt Cowgill an action item (93-01-02) to issue a separate memorandum addressing this issue by February 15, 1993.

Rick Urban briefly discussed the status of the remaining Diagnostic Evaluation Observations that were slated for closure after restart. Enclosure 3 is a FitzPatrick Post-Startup Issues (PSI) table. The panel assigned all NAP members an action item (93-01-03) to review the PSIs, and recommend an action contact for each item by the next NAP meeting.

Pete Eselgroth outlined an action plan for the NAP to review the Indian Point 3 Performance Improvement Program (PIP). All NAP members were assigned an action item (92-01-04) to review the PIP and provide written comments (WP 5.1 via E-mail) to Nick Conicella by February 5. Nick will then incorporate the comments into a single document to be provided to all NAP members by February 12. The NAP will review the comments at the next NAP meeting scheduled for February 17. The NAP action items are in Enclosure 4.

The meeting adjourned at 4:00 PM.


for Curtis J. Cowgill, Chairman
New York Power Authority Assessment Panel

Enclosures: As stated

NAP Members

R. Capra, NRR

B. McCabe, NRR

N. Conicella, NRR

M. Davis, NRR

L. Bettenhausen, DRS

J. Joyner, DRSS

P. Eselgroth, DRP

W. Cook, SRI - FitzPatrick

G. Tracy, SRI - Indian Point 3

cc:

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V. McCree, OEDO
T. Murley, NRR
F. Miraglia, NRR
J. Partlow, NRR
S. Varga, NRR
J. Calvo, NRR
E. Jordan, AEOD
S. Rubin, AEOD

Enclosure 1
FINAL FITZPATRICK STARTUP ISSUES

Startup Issue No.	Description	References	Action	Pkg. Ready	Closed
SUI-1 (DEO.OPS.002) C	H ₂ explosion event (PORC pursuit and followup of plant events)	IR 92-15 CI	Cook	N/A	10/6/92
SUI-2 (DEO.OPS.004) C	Deficiencies in operator requal training	IR 91-26 CI	Conte	N/A	1/27/92
SUI-3 (DEO.OPS.007) C	RCIC valve degraded for 2½ years (bent limit switch service arm)	IR 92-15 CI	Cook	9/3	10/6/92
SUI-4 (DEO.OPS.010) C	Shift turnover somewhat narrow in scope	IR 92-12 CI	Cook	N/A	8/12/92
SUI-5 (DEO.OPS.015) C	Offgas H ₂ analyzers constantly tripping-out	IR 92-15 CI	Cook	9/3	10/6/92
SUI-6 (DEO.OPS.022) C	Plant cleanliness is poor	IR 91-82 U/D; IR 92-82 CI	RATI	N/A	11/12/92
SUI-7 (DEO.OPS.024) C	CR logs don't maintain status of nuisance alarms, inop equip or jumpers	IR 92-82 CI	RATI	9/3	11/12/92
SUI-8 (DEO.OPS.027) C	No tracking, trending or management concern for EHC spikes	IR 92-17 CI	Cook	9/3	11/16/92
SUI-9 (DEO.OPS.028) C	Operating procedure deficiencies	IR 92-03 CI	Cook	N/A	5/13/92
SUI-10 (DEO.OPS.029) C	EOP entry daily due to high temp in RWCU room	IR 92-15 CI	Cook	8/27	10/6/92
SUI-11 (DEO.OPS.031) C	Operators don't test annunciators once per shift	IR 92-09 CI	Cook	N/A	6/17/92
SUI-12 (DEO.OPS.036) C	HPCI vibration monitor not in calibration program	IR 92-15 CI	Cook	8/22	10/6/92
SUI-13 (DEO.OPS.037) C	Daily instr ✓ procedure (ODSO-25) lacks some accep criteria & tolerances	IR 92-12 CI	Cook	N/A	8/12/92
SUI-14 (DEO.OPS.038) C	Large number of outstanding work requests	IR 92-82 CI	RATI	N/A	11/12/92
SUI-15 (DEO.OPS.039) C	Handling of deficient STs not addressed in ODSO-25, "ST Program"	IR 92-17 CI	Cook	9/3	11/16/92
SUI-16 (DEO.OPS.041) C	Evacuation, fire and station alarms are too loud in control room.	McCabe to file 7/10/92; IR 92-11 CI	McCabe	N/A	7/29/92
SUI-17 (DEO.OPS.042) C	HPCI/RCIC turbine exhaust vacuum breaker valves not considered PCIVs	IR 92-15 CI	Cook	9/3	10/6/92
SUI-18 (DEO.OPS.045) C	Inadequate admin controls for operational problem identification	IR 92-15 CI	Cook	9/3	10/6/92
SUI-19 (DEO.OPS.046) C	Operators don't always rely on their instruments	IR 92-82 CI	RATI	9/3	11/12/92
SUI-20 (DEO.ENG.004) C	Poor corrective action related to failed HPCI test connections	IR 92-09 CI	Cook	N/A	6/17/92
SUI-21 (DEO.ENG.005) C	Inadequate MOD package (87-134) for HPCI	IR 92-15 CI	Cook	8/27	10/6/92
SUI-22 (DEO.ENG.009) C	Superficial root cause analysis in several LERs	IR 92-12 CI	Cook	N/A	8/12/92
SUI-23 (DEO.ENG.011) C	Lack of seismic consideration for battery room lighting fixtures	IR 92-09 CI	Gray	N/A	6/17/92

Startup Issue No.	Description	References	Action	Pkg. Ready	Closed
SUI-24 (DEO.ENG.015) C	Valve in ESW cooling coil E-14 has extensive external corrosion	IR 92-11 CI	Cook	N/A	7/29/92
SUI-25 (DEO.ENG.021) C	Untimely responses to GESILs	IR 92-15 CI	Cook	8/27	10/6/92
SUI-26 (DEO.ENG.026) C	Inadequate heat sink for loss of ultimate heat sink	McCabe to file 7/10/92; IR 92-11 CI	McCabe	N/A	7/29/92
SUI-27 (DEO.ENG.034) C	Six to ten thousand gallons of water leaking into the torus	IR 92-17 CI	Cook	9/3	11/16/92
SUI-28 (DEO.ENG.036) C	No enhanced ST program as stated in response to NRC Bulletin 90-01	IR 92-15 CI	Cook	8/27	10/6/92
SUI-29 (DEO.ENG.037) C	Leaking RHR SW strainers	IR 92-15 CI	Cook	9/3	10/6/92
SUI-30 (DEO.ENG.038) C	CANCELLED BY DET		N/A	N/A	N/A
SUI-31 (DEO.ENG.040) C	Lack of documentation for fan installation in screenwell area	IR 92-20 CI	Cook	9/3	12/11/92
SUI-32 (DEO.ENG.041) C	Inadequate site and HQ communication & teamwork	IR 92-82 CI	RATI	N/A	11/12/92
SUI-33 (DEO.ENG.042) C	I&C technicians did not follow surveillance procedure	IR 92-09 CI	Cook	N/A	6/17/92
SUI-34 (DEO.ENG.046) C	Common mode failure of LPCI battery inverters after LOCA due to hi rad	IR 92-23 CI	Ruland	9/3	1/20/93
SUI-35 (DEO.ENG.053) C	Unknown means to close stuck open check valves	IR 92-17 CI	Cook	8/27	11/16/92
SUI-36 (DEO.ENG.058) C	Multiple weaknesses involving fire protection	URI 92-80-01 U/D; IR 92-12 CI (admin)	Ruland	N/A	8/12/92
SUI-37 (DEO.ENG.061) C	Electrical separation for deicing cables and controls	URI 92-80-04 U/D; IR 92-12 CI (admin)	Ruland	N/A	8/12/92
SUI-38 (DEO.ENG.062) C	Potential water hammer with non-functioning CS keep full system	IR 92-15 CI	Cook	N/A	10/6/92
SUI-39 (DEO.ENG.064) C	Deficient documentation regarding seismic qualification of cabinets	IR 92-17 CI	Grey	9/3	11/16/92
SUI-40 (DEO.MT.015) C	Inadequate scaffold construction/engineering review of as-built condition	IR 92-82 U/D, 92-20 & IR 92-23 CI	Cook	N/A	1/20/93
SUI-41 (DEO.MT.021) C	Lack of PM for electrical components	IR 92-82 CI	RATI	9/3	11/12/92
SUI-42 (DEO.MT.024) C	EDG testing is inadequate	IR 92-23 CI	Ruland	9/3	1/20/93
SUI-43 (DEO.MT.028) C	PASS sample cooler has not been tested in its emergency line-up	IR 92-15 CI	Cook	8/27	10/6/92
SUI-44 (DEO.MT.029) C	No testing or inspection on PASS V sample cooler check valve ESW 31-B	IR 92-15 CI	Cook	9/3	10/6/92
SUI-45 (DEO.MT.031) C	Poor operations judgement of EDG air bank operability concern	IR 92-15 CI	Cook	9/3	10/6/92
SUI-46 (DEO.MT.032) C	Many AOs are having frequent corrective maintenance	IR 92-12 CI	Blumberg	N/A	8/12/92
SUI-47 C	21 Fire Protection Program (FPP) issues	IR 92-14 CI	Bettenhausen	N/A	2/93
SUI-48 C	30 Appendix R issues	IR 92-14 CI	Bettenhausen	N/A	2/93

Startup Issue No.	Description	References	Action	Pkg. Ready	Closed
SUI-49 (URI 92-01-03)	C Seismic qualification of Foxboro cabinets	IR 92-15 CI	Ruland	N/A	10/6/92
SUI-50	C Review of licensee Operating Events Reviews (OERs)	IR 92-82 CI	RATI	8/28	11/12/92
SUI-51 (URI 91-20-03)	C Master Equipment List reclassification of safety-related components	IR 92-82 CI	RATI	9/4	11/12/92
SUI-52	C RIP Self-Assessment and SURE (Public meetings and FAP review)	Letters 8/7/92; 9/23/92; 10/15/92	Cowgill	9/3	10/15/92
SUI-53	C Reactor vessel head NDE results	NRR to NYPA 8/11/92 CI	McCabe	N/A	8/11/92
SUI-54	C HPCI/RCIC PCIV operability impact	NRR Staff Action Item #6, 12/3/92	Cook/McCabe	8/19	12/3/92
SUI-55	C PM program for relays	IR 92-82 CI	RATI	9/2	11/12/92
SUI-56	C ESW and RHRSW pump room ventilation	App. R Temp. Relief Req.; IR 92-14 CI	Bettenhausen	N/A	2/93
SUI-57	C Generic Letter 83-28 (Salem ATWS)	IR 92-82 CI	RATI	8/28	11/12/92
SUI-58 (URI 91-01-02)	C Torus water RTDs	IR 92-15 CI	Cook	8/26	10/6/92
SUI-59	C ESW return line modification to EDGs	IR 92-17 CI	RATI	8/20	11/12/92
SUI-60	C Non-EQ LPCI MOV inverter	IR 92-23 CI	Ruland	8/30	1/20/93
SUI-61 (URI 92-81-06)	C Evaluate #22 crescent room cooler	IR 92-17 CI	Trapp	9/11	11/16/92
SUI-62 (URI 92-81-02)	C Evaluate heat transfer measurements on all crescent room coolers	IR 92-17 CI	Trapp	9/11	11/16/92
SUI-63	C Appendix R exemption request	Capra to Beedle 9/10/92 CI	McCabe	9/16	9/10/92
SUI-64	C ATTS relay TS amendment	McCabe to Beedle 9/9/92 CI	McCabe	9/16	9/10/92
SUI-65 (URI 92-15-01)	C SR/NSR loads on same 125 VDC distribution panels	IR 92-23 CI	Ruland	N/A	1/20/93
SUI-66	C GE reactor water level instrument sensing lines bulletin	IR 92-82 CI	RATI	N/A	11/12/92
SUI-67 (URI 92-82-01)	C Review of temporary modifications	IR 92-23 CI	Cook	N/A	1/20/93
SUI-68 (URI 92-82-04)	C Cable separation	IR 92-23 CI; Restart Letter	Ruland	N/A	1/20/93
SUI-69 (URI 92-82-03)	C Instrument setpoint calibration	IR 92-23 CI	Cook	N/A	1/20/93
SUI-70	C Adequacy of management oversight of fire programs	IR 92-14 CI	Bettenhausen	N/A	2/93
SUI-71	C Compensatory actions for fire programs exemptions	IR 92-14 CI	Bettenhausen	N/A	2/93
SUI-72	C Initial review of revised Fire Hazards Analysis	Capra to Cowgill 12/10/92	McCabe	N/A	12/10/92
SUI-73	C Seismic adequacy of safety-related transformers	IR 92-23 CI	Cook	N/A	1/20/93

Startup Issue No.	Description	References	Action	Pkg. Ready	Closed
SUI-74 (Alleg 92-215) C	Inspect radiography records of selected welds	IR 92-21 CI; Restart Letter	Modes	11/2	2/93
SUI-75 (Alleg 92-055) C	Followup highlighted drawing issue with one individual	IR 92-17 CI	Cook	N/A	11/16/92
SUI-76	C Fire protection Tech Spec amendment to allow mode switch change	McCabe to Beedle 12/17/92	McCabe	N/A	12/17/92
SUI-77	C Motor operator sizing deficiency of MOV 39A	IR 92-23 CI	Cook	N/A	1/20/93
SUI-78 (URI 92-20-01) C	CO ₂ discharge test leak into control room	IR 92-23 CI; Restart Letter	Cook	N/A	1/20/93
SUI-79	C Verify fastening of EHC cabinets in relay room	IR 92-23 CI	Cook	N/A	1/20/93
SUI-80	C Repair leaking weld on equalizing line for RWCU system valve 46	IR 92-23 CI	Bettenhausen	12/11	1/20/93

Enclosure 2

Final FitzPatrick Assessment Panel Action Item List

<u>Item #</u>	<u>Responsible Panel Member</u>	<u>FAP Action Item Summary</u>	<u>Status</u>
91-01-01	Cook	Draft a proposal of recommendations concerning potential enforcement action for DET findings.	Closed
91-01-02	Haverkamp	Prepare a proposal outlining the advantages and disadvantages of extending the current SALP cycle.	Closed
92-01-01	Joyner	Ensure Inspection Module 82701 performed/scheduled prior to end of SALP period.	Closed
92-01-02	Joyner	Evaluate Augmented Specialist Inspection coverage during the FitzPatrick refuel outage.	Closed
92-01-03	Cook	Draft a memo summarizing need for augmented resident inspector coverage.	Closed
92-01-04	Eselgroth	Formulate restart readiness inspection plan, solicit participants, and target inspection dates for the inspection.	Closed
92-01-05	Cook	Provide panel with bar chart type inspection activity overview.	Closed
92-01-06	Cook	Prepare summary of DEO's involving potential enforcement.	Closed
92-01-07	McCabe	Compile list of RIP questions and comments.	Closed
92-01-08	McCabe	Open TAC for FAP activities.	Closed
92-02-01	Cook	Draft a memorandum summarizing the reasons augmented resident inspector coverage is needed, the dates this assistance is needed, and the qualifications of personnel desired.	Closed

92-02-02	Capra	Use above memorandum as a basis to request augmented resident inspector assistance from NRR/AEOD management.	Closed
92-02-03	Trapp	Prepare a draft inspection plan by February 21, 1992.	Closed
92-02-04	Bettenhausen	Send a letter to NYPA outlining the documents that are needed by the NRC to prepare for the inspection.	Closed
92-02-05	McCabe	All panel members will review the list of questions and comments and provide feedback to B. McCabe concerning any desired revisions.	Closed
92-02-06	McCabe	All panel members will provide B. McCabe with a list of major, programmatic questions/comments that should be included on the agenda for the RIP management meeting.	Closed
92-02-07	McCabe	B. McCabe will provide all FAP members with a proposed letter to NYPA outlining an agenda for a RIP management meeting. Included in this letter will be a revised list of questions and comments that require written NYPA response.	Closed
92-02-08	McCabe	The stated letter will be sent to NYPA (2/28/92).	Closed
92-02-09	Haverkamp	Modify the list to better track licensee and NRC status.	Closed
92-02-10	FAP members	Thoroughly review the followup recommendations and provide B. Cook with any comments by COB on February 18, 1992.	Closed
92-02-11	Cook	Provide the panel with an estimate of resources necessary to closeout each DEO requiring follow up by the next FAP meeting.	Closed
92-02-12	Cook	Discuss the DEOs with Art Zaremba, NYPA's RIP Coordinator, to ensure that NYPA is aware of all DEOs resulting from the DET.	Closed

92-03-01	Cook	Develop a separate list of FAP action items which is to be an attachment to this and subsequent meeting minutes.	Closed
92-03-02	Haverkamp	Assume principle liaison responsibility with OI with respect to the Request for Assistance.	Closed
92-03-03	Cook/McCabe	Incorporate a site status summary in this and all subsequent FAP meeting minutes to satisfy FAP charter item #5.	Closed
92-03-04	Cook	Obtain specific MOV valve #'s to support potential enforcement item at the 3/18/92 Enforcement Conference.	Closed
92-03-05	Joyner	Evaluate, and reschedule if appropriate, the Security & Safeguards inspection currently scheduled for the week of 3/23, to correspond with core inspection frequency of once per cycle.	Closed
92-03-06	Cook/McCabe	Generate a comprehensive list of items which NYPA and/or NRC has to ensure completed or resolved prior to unit S/U. Due date 3/20/92.	Closed
92-03-07	Cook	Solicit an agenda from NYPA for the RIP meeting planned for 3/30/92, (due date 3/20/92) to be reviewed by the panel members and modified, as appropriate.	Closed
92-04-01	Haverkamp/ McCabe/Cook	Develop a comprehensive list of FitzPatrick startup issues.	Closed
92-04-02	Bettenhausen	Develop the fire protection team inspection results enforcement package and firm-up the schedule for this conference.	Closed
92-04-03	FAP members	Review the written response by NYPA to the FAP's comments and questions about the FitzPatrick RIP as documented in the February 28, 1992 letter.	Closed
92-04-04	FAP members	Review the RIP for possible unit restart items by July 31.	Closed

92-04-05	Cook	Negotiate with NYPA a means to ensure revisions to the FitzPatrick RIP are transmitted to the NRC for update of the NRC staff's copies of the RIP.	Closed
92-05-01	FAP Members	Review the written response by NYPA to FAP questions regarding the RIP as documented in a letter dated April 29, 1992. Provide comments to B. McCabe by May 29.	Closed
92-05-02	McCabe	Consolidate comments from action item 92-05-01 and send letter to NYPA by June 12, 1992.	Closed
92-07-01	Eselgroth	Coordinate RIP public meeting during the week of August 10, possibly in conjunction with RIP response letter.	Closed
92-08-01	Urban	Add URI 92-15-01 and GE level instrument bulletin to FitzPatrick SUI Table.	Closed
92-08-02	Urban	Develop augmented inspection coverage plan based on NYPA's Startup Plan. Letter issued 11/25/92.	Closed
92-10-01	Eselgroth	Review open allegations for any startup issues. One allegation (92-215) needing closure prior to restart closed by IR 92-21.	Closed
92-10-02	Capra	Contact FEMA to update them with respect to restart and determine if they have any restart concerns. Letter to FEMA 11/6/92, letter to Varga 11/12/92.	Closed
92-10-03	Eselgroth (FAP Members)	Draft a restart letter by November 18, 1992. FAP Members to provide comments to Rick Urban by 11/30/92. Final draft to Hehl, Calvo & Varga by 12/4/92. Comments back to Urban by 12/8/92. Final letter due 12/11/92. Letter issued 12/29/92.	Closed
92-11-01	McCabe	Coordinate ACRS meeting on FitzPatrick status with NRC and NYPA staff. Meeting scheduled for February 11, 1993.	Closed
92-12-01	FAP Members	Review NYPA response to \$500,000 Civil Penalty for adequacy by next FAP meeting.	Closed

92-12-02	Bettenhausen	Itemize remaining open fire protection program and Appendix R issues by next FAP meeting.	Closed
92-12-03	Eselgroth	Compile a list of state and local public officials to contact concerning FitzPatrick restart by next FAP meeting. Hold meeting before restart. Meeting held on 12/23/92.	Closed
92-12-04	Urban	Revise FAP Charter to encompass Indian Point 3, forming a NYPA Assessment Panel by 12/11/92. Charter issued 1/11/93.	Closed

Enclosure 3
FITZPATRICK POST-STARTUP ITEMS

Post-Startup Issue No.	Description	References	Action	Pkg Ready	Closed
PSI-1 (DEO.OPS.002)	PORC pursuit and follow-up of plant events				
PSI-2 (DEO.ENG.001)	Repetitive water hammer events in the ESW system				
PSI-3 (DEO.ENG.007)	Modification procedures lack specificity and clarity				
PSI-4 (DEO.ENG.008)	Develop setpoint control program				
PSI-5 (DEO.ENG.010)	Inadequate drawing control				
PSI-6 (DEO.ENG.013)	Inadequate labelling of components				
PSI-7 (DEO.ENG.014)	FM and FB drawings lack agreement for the same system				
PSI-8 (DEO.ENG.039)	TS requirements for intake de-icing heaters				
PSI-9 (DEO.ENG.047)	High temperatures in the ESW/RHRSW pump rooms after ventilation failure				
PSI-10 (DEO.ENG.052)	Calculations for SW check valve closure after ESW actuation are invalid				
PSI-11 (DEO.ENG.055)	Unknown physical conditions in the intake and discharge tunnels				
PSI-12 (DEO.ENG.056)	ANSI N45-2.11 and App. B req'ts. for calc. control partially implemented				
PSI-13 (DEO.ENG.065)	QA classification for CR chiller condenser expansion boot unknown				
PSI-14 (DEO.ENG.066)	Insufficient information regarding safety-related system downgrading				
PSI-15 (DEO.ENG.067)	Operability questions regarding stuck check valves				
PSI-16 (DEO.MT.001)	Various MOV weaknesses and observations				
PSI-17 (DEO.MT.002)	Review of industry operating experience backlog				
PSI-18 (DEO.MT.006)	Not all check valves within the scope of INPO SOER 86-03				
PSI-19 (DEO.MT.008)	Equipment failure root cause not performed				
PSI-20 (DEO.MT.023)	Relay setpoint control weaknesses				
PSI-21 (DEO.MT.026)	Major components in selected systems have not PM performed				
PSI-22 (DEO.MT.027)	SW corrosion and silting not adequately addressed				