

April 11, 2000

MEMORANDUM TO: Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

FROM: Ashok C. Thadani, Director **/RA/**
Office of Nuclear Regulatory Research

SUBJECT: UPDATE OF THE MONTHLY REPORT TO SENATOR DOMENICI ON
OPEN REACTOR GENERIC SAFETY ISSUES

RES is required to provide monthly updates to the EDO on the status of all unresolved generic safety issues (GSIs) for use in reporting to Senator Domenici. NRR has the responsibility for resolving GSIs 163 and 173.A. In order to meet the reporting schedule set by the EDO, please provide me with any changes in the status of these issues by April 19, 2000, by making any necessary corrections or additions to the attached Generic Issue Management Control System (GIMCS) sheets. All questions on the subject report should be directed to Ronald C. Emrit at 301-415-6447. Your cooperation in this endeavor is greatly appreciated.

Attachment: GIMCS Sheets

cc w/att.: B. Sheron, NRR

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Attachment: GIMCS Sheets

cc w/att.: B. Sheron, NRR

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 163 TITLE: MULTIPLE STEAM GENERATOR TUBE LEAKAGE
IDENTIFICATION DATE: 06/1992C PRIORITIZATION DATE: 01/1997C TYPE: GSI
PRIORITY: H
TASK MANAGER: J. ANDERSEN OFFICE/DIVISION/BRANCH: NRR /DE /EMCB ACTION LEVEL: ACTIVE
STATUS:
TAC NUMBERS: RESOLUTION DATE:
WORK AUTHORIZATION: JANUARY 17, 1997, MEMORANDUM FROM H. THOMPSON TO D. MORRISON

FIN	CONTRACTOR	C	ONTRACT TITLE
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W O R K S C O P E

THIS ISSUE ADDRESSES THE SAFETY CONCERN ASSOCIATED WITH MULTIPLE STEAM GENERATOR TUBE LEAKS DURING A MAIN STEAM LINE BREAK THAT CANNOT BE ISOLATED. IT WAS OPENED IN RESPONSE TO A DPV FILED IN LATE 1991. THE DPV (AND LATER DPO) ISSUES ARE BEING CONSIDERED IN THE STAFF'S WORK ON STEAM GENERATOR TUBE INTEGRITY. THE NRC ORIGINALLY PLANNED TO DEVELOP A RULE PERTAINING TO STEAM GENERATOR TUBE INTEGRITY. THE PROPOSED RULE WAS TO IMPLEMENT A MORE FLEXIBLE REGULATORY FRAMEWORK FOR STEAM GENERATOR SURVEILLANCE AND MAINTENANCE ACTIVITIES THAT ALLOWS A DEGRADATION-SPECIFIC MANAGEMENT APPROACH. THE REGULATORY ANALYSIS CONCLUDED THAT THE MORE OPTIMAL REGULATORY APPROACH WAS TO UTILIZE A GENERIC LETTER. THE NRC STAFF SUGGESTED, AND THE

COMMISSION SUBSEQUENTLY APPROVED A REVISION TO THE REGULATORY APPROACH TO UTILIZE A GENERIC LETTER. FINALLY, IN LATE 1998, THE REGULATORY APPROACH WAS REVISED ONCE AGAIN. THE STAFF IS NOW WORKING TO RESOLVE CONCERNS WITH THE INDUSTRY INITIATIVE, NEI 97-06, IN LIEU OF A GENERIC LETTER. THE CURRENT FRAMEWORK PROVIDES REASONABLE ASSURANCE THAT OPERATING PWR'S ARE SAFE. HOWEVER, THE CURRENT REGULATORY FRAMEWORK HAS SHORTCOMINGS. TO RESOLVE THESE SHORTCOMINGS, THE STAFF IS WORKING WITH INDUSTRY TO REVISE THE REGULATORY FRAMEWORK TO UTILIZE A RISK-INFORMED AND PERFORMANCE-BASED APPROACH THAT WILL ENSURE COMPLIANCE WITH CURRENT REGULATIONS (I.E GDC, APPENDIX B, ASME CODE. PART 100).

S T A T U S

THE STAFF COMPLETED A DRAFT RISK ASSESSMENT AND DRAFT REGULATORY ANALYSIS AND MET WITH ACRS ON MARCH 4, 5, AND APRIL 3, 1997, TO DISCUSS THE TWO EFFORTS. THE RESULTS OF THESE TWO EFFORTS CAUSED THE STAFF TO CONCLUDE THAT GENERIC REGULATORY ACTION IN THE FORM OF A RULE WAS NOT NECESSARY. THE STAFF SUBSEQUENTLY DRAFTED AND SENT TO THE COMMISSION COMSECY 097-013 (05-23-1997) WHICH DISCUSSED THE BASIS FOR REVISING THE REGULATORY APPROACH TO UTILIZE A GENERIC LETTER. THE COMMISSION APPROVED THE REVISED REGULATORY APPROACH IN THE SRM DATED 06-30-1997. THE DPO ISSUES DOCUMENT WAS COMPLETED AND SENT TO THE ACRS FULL COMMITTEE FOR REVIEW IN OCTOBER 1997. THE STAFF

MET WITH CRGR ON 06-12-1998 FOR AN INFORMATION BRIEFING ON THE PACKAGE. THE STAFF MET WITH CRGR ON 07-21-1998 FOR A DETAILED REVIEW OF THE PROPOSED GL PACKAGE. THE STAFF ISSUED COMMISSION PAPER SECY-98-248 WITH THE RECOMMENDATION TO PUT A HOLD ON THE ISSUANCE OF A GL WHILE THE STAFF WORKS WITH THE INDUSTRY ON NEI 97-06 (THE PROPOSED ALTERNATIVE TO A GL). THE COMMISSION AGREED WITH THIS APPROACH IN AN SRM DATED 12-21-1998. ON 01-20-99, THE STAFF ISSUED THE DPO CONSIDERATION DOCUMENT FOR PUBLIC COMMENT. THE DPO CONSIDERATION DOCUMENT HAS BEEN UPDATED TO REFLECT THE STATUS OF THE NEI 97-06 INDUSTRY INITIATIVE AND HAS BEEN FORWARDED TO THE EDO. RESOLUTION OF

AS OF FY: 2000 QUARTER: 1
ATTACHMENT

ISSUE NUMBER: 163

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM
TITLE: MULTIPLE STEAM GENERATOR TUBE LEAKAGE
S T A T U S

THE GSI IS PENDING COMPLETION OF THE DPO PROCESS. THE
PROCESS INCLUDES FORMATION OF AN INDEPENDENT REVIEW PANEL
FOR EVALUATION OF AND RECOMMENDATION ON THE STAFF CONSIDER-

ATION DOCUMENT. FOLLOWING THE PANEL'S REVIEW AND RECOMMEN-
DATION, THE STAFF WILL DETERMINE THE NEXT STEPS IN RESOLVING
THE GSI.

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

*** T O B E D E T E R M I N E D ***

*** N O N E ***

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REGULATORY ANALYSIS	05/1997	--	05/1997
PROPOSED GL PACKAGE	06/1997	--	10/1997
ACRS ENDORSEMENT	06/1997	--	10/1997
GL PACKAGE PLACED IN CONCURRENCE	10/1997	--	10/1997
NEI 97-06 SUBMITTED	12/1997	--	12/1997
GL PACKAGE SENT TO CRGR BY NRR	07/1997	--	04/1998
CRGR MEETING ON GL PACKAGE	06/1998	--	06/1998
CRGR MEETING ON PROPOSED GL	07/1998	--	07/1998
NRR MEMO TO EDO PUTTING GL ON HOLD	09/1998	--	09/1998
COMMISSION PAPER RECOMMENDING HOLD ON ISSUANCE OF GL	11/1998	--	10/1998
SRM ON SECY-98-248	12/1998	--	12/1998
DPO CONSIDERATION DOCUMENT TO THE EDO	09/1999	--	09/1999

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/2000

PAGE: 11

ISSUE NUMBER: 163

TITLE: MULTIPLE STEAM GENERATOR TUBE LEAKAGE

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
-----	-----	-----	-----
EDO ESTABLISHES AN INDEPENDENT PANEL TO REVIEW THE DPO	02/2000	03/2000	--
INDEPENDENT PANEL COMPLETES ITS REVIEW AND SUBMITS RECOMMENDATIONS TO EDO	05/2000	05/2000	--
NRR COMPLETES ACTION PLAN FOR RESOLUTION OF THE GSI BASED ON PANEL RECOMMENDATIONS	06/2000	06/2000	--
CLOSE OUT ISSUE	--	--	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/2000

PAGE: 21

ISSUE NUMBER: 173.A
IDENTIFICATION DATE: 02/1996C
TASK MANAGER: D. DIEC
TAC NUMBERS: M88094
WORK AUTHORIZATION:

TITLE: SPENT FUEL STORAGE POOL: OPERATING FACILITIES
PRIORITIZATION DATE: 06/1996C
OFFICE/DIVISION/BRANCH: NRR /DSSA/SPLB
ACTION LEVEL: ACTIVE

PRIORITY: H
STATUS: NR
RESOLUTION DATE: 08/2000

FIN

CONTRACTOR

CONTRACT TITLE

W O R K S C O P E

SPECIFIC ACTIONS INCLUDED IN PART A OF THE GENERIC ACTION PLAN ARE: (1) DETERMINATION OF THE SAFETY SIGNIFICANCE OF IDENTIFIED CONCERNS, (2) DETERMINATION OF THE FACILITIES WHERE THE CONCERNS MAY BE APPLICABLE, (3) EVALUATION OF THE ADEQUACY OF PRESENT SFP DESIGNS, (4) EVALUATION OF THE ADEQUACY OF CURRENT NRC GUIDANCE FOR FP DESIGNS, AND (5) EVALUATION OF THE NEED FOR GENERIC

ACTIONS TO ADDRESS SIGNIFICANT ISSUES AT OPERATING AND PERMANENTLY SHUTDOWN FACILITIES. BASED ON FINDINGS FROM THESE REVIEW AREAS AND THEIR RISK SIGNIFICANCE, THE STAFF WILL DEVELOP CRITERIA FOR SPECIFIC SPENT FUEL POOL OPERATIONS FOR POTENTIAL USE-IN FORMULATING REVISIONS OF REGULATORY GUIDANCE.

S T A T U S

THE ACTION PLAN IS CLOSED. TASKS FOR RESOLUTION WILL BE TRACKED SEPARATELY. RESOLUTION COMPRISED OF THREE PARTS:
1) CONDUCT REGULATORY ANALYSIS TO EVALUATE JUSTIFICATION FOR IMPOSING FUEL STORAGE POOL OPERATIONS RULE

(COMPLETED);
2) CONDUCT PLANT-SPECIFIC REGULATORY ANALYSIS FOR HARDWARE BACKFITS AT SELECTED SITES (COMPLETED);
3) UPDATE REGULATORY GUIDANCE.

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

IN 93-83 AND SUPPLEMENT 1
IN 94-38

SCHEDULE SLIPPAGE OF THE DEVELOPMENT OF ANS 57.2 WORKING GROUP DOCUMENT FROM 05/1999 TO 2000 IMPACTED THE STAFF'S PLAN TO ADOPT THE DOCUMENT IN THE REVISION OF THE REG. GUIDE.

AS OF FY: 2000 QUARTER: 1.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/2000

PAGE: 22

ISSUE NUMBER: 173.A

TITLE: SPENT FUEL STORAGE POOL: OPERATING FACILITIES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP APPROVED	10/1994	--	10/1994
REVIEW EXISTING NRC GUIDANCE AND REQUIREMENTS	08/1994	--	08/1994
IDENTIFY SIGNIFICANT SFP CONCERNS	12/1994	--	12/1994
REPORT SIGNIFICANT SFP PROBLEMS TO NRR MANAGEMENT	12/1994	--	12/1994
DEVELOP AN SFP INSPECTION PLAN	01/1995	--	01/1995
CONDUCT INSPECTIONS OF SELECTED PLANTS	06/1995	--	06/1995
EVALUATE AND REPORT RESULTS OF INSPECTIONS	09/1995	--	09/1995
COMMISSION BRIEFING ON SFP ISSUES	02/1996	--	02/1996
COMMISSION BRIEFING ON SFP ISSUES	04/1996	--	04/1996
ASSESS RISK/SIGNIFICANCE OF INDIVIDUAL CONCERNS	06/1996	--	07/1996
ASSESS MONITORING OF POTENTIAL OFFSITE RELEASES	06/1996	--	07/1996
ASSESS RADIOACTIVE MATERIAL STORAGE PRACTICES	06/1996	--	07/1996
PROPOSED COURSE OF ACTION SUBMITTED TO COMMISSION	06/1996	--	07/1996
COMMISSION MEETING FOR RESOLUTION	08/1996	--	08/1996
ACRS MEETING	08/1996	--	08/1996
REG. ANALYSIS FOR RULE	05/1997	--	07/1997
PLANT-SPECIFIC REG. ANALYSIS FOR HARDWARE BACKFITS AT SELECTED SITES	05/1997	--	12/1997

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 23

ISSUE NUMBER: 173.A

TITLE: SPENT FUEL STORAGE POOL: OPERATING FACILITIES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
STAFF REVIEW AND COMMENT ON ANS 57.2 WORKING GROUP REDRAFT DOCUMENT	08/1997	--	08/1997
DTR TO THE ACRS	08/2000	05/2000	--
MEET WITH THE ACRS	08/2000	06/2000	--
REVISE R.G. 1.13	10/1998	08/2000	--
REVISE SRP 9.1.2, 9.1.3MO TO THE EDO	10/1999	08/2000	--
CLOSE OUT ISSUE WITH MEMO TO THE EDO	06/1999	08/2000	--

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