

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
THE HARTFORD ELECTRIC LIGHT COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
NEW YORK WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST MULTI-STATE ENERGY COMPANY

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the

September 10, 1979

Docket No. 50-336

Mr. Boyce H. Grier, Director
Region I
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

- References:
- (1) B. H. Grier letter to W. G. Council dated August 15, 1979 forwarding I&E Bulletin #79-14, Supplement.
 - (2) B. H. Grier letter to W. G. Council dated July 2, 1979 forwarding I&E Bulletin #79-14.
 - (3) W. G. Council letter to B. H. Grier dated August 31, 1979.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
I&E Bulletin #79-14

Reference (2), as amended by Reference (1), requested Northeast Nuclear Energy Company (NNECO) to initiate a program aimed at verifying the accuracy of input information for seismic analysis of safety-related piping.

In Reference (2), NNECO informed the NRC Staff that during the outage commencing August 8, 1979, inspections were performed on portions of the normally inaccessible seismic systems as required by Item 3 in Reference (1), in addition to the inspections required by Item 2 of the same Reference. NNECO hereby submits the attached available results to Items 2 and 3 of Reference (1).

Reference (1) requires inspections of one (1) system in each set of redundant systems, and all non-redundant systems for conformance to the seismic analysis input information set forth in design documents. Included in this inspection program are:

- (1) Pipe run geometry.
- (2) Support and Restraint design (location, function, clearances).
- (3) Floor and wall penetrations.
- (4) Embedments (excluding those covered by I&E Bulletin #79-02).
- (5) Pipe attachments.
- (6) Valve and valve operator location and weights (excluding those covered by I&E Bulletin #79-04).

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The following systems are presently under examination/verification and include both accessible and inaccessible areas of the plant as defined in Reference (1):

- Main Steam
- Feedwater
- Service Water
- Service Water to Chilled Water
- Chilled Water to Switchgear
- High Pressure Safety Injection (HPSI)
- Low Pressure Safety Injection (LPSI)
- Containment Spray
- Safety Injection Tanks
- Reactor Building Closed Cooling Water (RBCCW)
- Spent Fuel
- Diesel Generator
- Chemical and Volume Control System (CVCS)
- Boric Acid
- Reactor Coolant
- Auxiliary Feedwater

As of August 27, 1979, approximately ten thousand (10,000) linear feet of pipe and eight hundred (800) supports have been examined. Table 1, in the attachment, lists the approximate percentage of each system which has been inspected.

The results of the inspections are summarized in Table 2 and a detailed listing of deviations and their preliminary resolution is presented in Table 3 of the attachment. The deviations to date generally fall into one of five categories.

- (1) Pipe geometry variances.
- (2) Missing or relocated supports.
- (3) Additional constraints.
- (4) Deviation from support design.
- (5) Anchor bolt or base plate (loose nuts, etc.).

Deviation Types (1) through (3) are evaluated by a piping stress analyst. Those requiring a reanalysis, in the judgment of the analyst, will be scheduled for reanalysis following his review of the completed system walkdown documentation. The evaluation of Type (4) deviations are performed by pipe support designers only after it has been determined that a reanalysis of the piping is not required or when the reanalysis is complete. These evaluations are in progress at this time. Type (5) nonconformances are being evaluated pursuant to I&E Bulletin #79-02. It is emphasized that there have been no deviations reviewed to date that, by engineering judgment or analysis, affect the operability of any system under verification.

The inspections of the normally inaccessible systems inside containment, as outlined in Table 1, did not reveal any deviations which affect system operability. Based on the acceptability of the results obtained to date, discrepancies which could impact system operability are not expected to be identified during the remaining examinations of accessible or inaccessible systems.

NNECO intends to examine/verify the remaining portions of the inaccessible systems during the next refueling outage. This decision is based on the following:

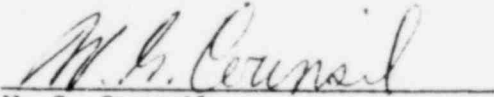
- (1) No deviations identified to date have adversely affected the operability of any system under evaluation.
- (2) Teledyne Engineering Services provided the original Class I piping stress analysis and examined the geometry for as-built conditions after hot functional testing.

In addition, examinations will be conducted on the inaccessible systems during any outage of sufficient duration occurring before the refueling outage, such as the one which will occur before October 31, 1979. NNECO presently plans to continue the examinations of the accessible piping systems. A final report containing the result of the remaining inspections will be submitted upon completion of the inspections.

We trust you find this information responsive to the NRC Staff concerns.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



W. G. Council
Vice President

Attachments

ATTACHMENT

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

RESPONSE TO I&E BULLETIN #79-14

SEPTEMBER, 1979

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MILLSTONE UNIT NO. 2
I&E BULLETIN #79-14 -- 60-DAY SUBMITTAL

TABLE 1

<u>SYSTEM</u>	<u>% COMPLETE OUTSIDE OF CONTAINMENT</u>	<u>% COMPLETE INSIDE OF CONTAINMENT</u>
Main Steam	60	85
Feedwater	5	100
Containment Spray	30	30
Safety Injection Tanks	N/A	20
RBCCW	25	10
CVCS	--	10
Service Water	95	N/A
Chilled Water	100	N/A
HPSI	55	--
LPSI	50	--
Spent Fuel Pool	85	--
Diesel Systems	100	N/A
Auxiliary Feedwater	85	N/A

LIST OF ABBREVIATIONS USED IN TABLE 2

AUX. F.W.	. . . . .	Auxiliary Feedwater
Cnds.	. . . . .	Condensate Storage Tank
C.V.	. . . . .	Check Valves
C.S.	. . . . .	Containment Spray
Htx.	. . . . .	Heat Exchanger
TK	. . . . .	Tank
S.W.	. . . . .	Service Water
D.G.	. . . . .	Diesel Generator

Table 2
Sheet 1 of 4

MILLSTONE UNIT 2

IE BULLETIN 79-14 60 DAY WALKDOWN RESULTS

SYSTEM	SUBSYSTEM	ANALYSIS PROBLEM #	QUANTITY & TYPE OF DEVIATION					IS PIPING REANALYSIS REQUIRED	IS SYSTEM OPERABILITY AFFECTED (ENGINEERING/ JUDGMENT)	IS SUPPORT ADEQUATE	REANALYSIS SCHEDULE	COMMENT
			TYPE 1*	TYPE 2*	TYPE 3*	TYPE 4*	TYPE 5*					
	Diesel Exhaust											Rerouted and Reanalyzed by NUSCO
Diesel Systems	Diesel Intake	420		2	1			No	No			Relocate Supports As Designed
	Diesel Intake	421	1		1			No	No			
	Starting Air	410			2	5	2		No			
Chilled Water	S.W. To Chillers								No			Rerouted and Reanalyzed by NUSCO
	Pump Suction	49C				1			No			Walkdown Incomplete
Spent Fuel Pool Cooling	Fuel Pool Outlet	50		1	3	1	1		No			Portion Inaccessible
	Pump Disch.	164	1	1	1	4			No			Walkdown Incomplete
	Fuel Pool Return	166			4	1	2		No			Portion Inaccessible
	S.W. From Intake Structure	114	1				7		No			Portion Inaccessible

* Note: Type (1) Geometry Change, Type (2) Missing or Relocated Supports, Type (3) Additional Constraints
Type (4) Deviation From Support Design (5) Anchor Bolts and Base Plates - IE Bulletin 79-02

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Table 2
Sheet 2 of 4

MILLSTONE UNIT 2

IE BULLETIN 79-14 60 DAY WALKDOWN RESULTS

SYSTEM	SUBSYSTEM	ANALYSIS PROBLEM #	QUANTITY & TYP. OF DEVIATION					IS PIPING REANALYSIS REQUIRED	IS SYSTEM OPERABILITY AFFECTED (ENGINEERING/ JUDGMENT)	IS SUPPORT ADEQUATE	REANALYSIS SCHEDULE	COMMENT
			TYPE 1*	TYPE 2*	TYPE 3*	TYPE 4*	TYPE 5*					
	S.W. Return From D.G.	114	1					7	No		Portion Inaccessible	
	S.W. Return From D.G.	121			2	1		6	No		To Stress 8/29	
	S.W. Return From D.G.	122		1				2	No		To Stress 8/29	
Service Water	S.W. Supply To D.G. Coolers	115	7		2	6		3	No			
	S.W. Supply To D.G. Coolers	118		1	1	3		8	No			
	S.W. Supply To D.G. Coolers	119	1		1				No			
	S.W. Supply To D.G. Coolers	120			1	3		2	No			
	S.W. Return From RBCCW Cooler	112	3		11	14		2	No			
		411	1			3			No			

* Note: Type (1) Geometry Change, Type (2) Missing or Relocated Supports, Type (3) Additional Constraints

Type (4) Deviation From Support Design (5) Anchor Bolts and Base Plates - IE Bulletin 79-02

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Table 2
Sheet 3 of 4

MILLSTONE UNIT 2

IE BULLETIN 79-14 60 DAY WALKDOWN RESULTS

SYSTEM	SUBSYSTEM	ANALYSIS PROBLEM #	QUANTITY & TYPE OF DEVIATION					IS PIPING REANALYSIS REQUIRED	IS SYSTEM OPERABILITY AFFECTED (ENGINEERING/ JUDGMENT)	IS SUPPORT ADEQUATE	REANALYSIS SCHEDULE	COMMENT
			TYPE 1*	TYPE 2*	TYPE 3*	TYPE 4*	TYPE 5*					
Feed- Water	Inside Containment	21				2	2		No			
		22					1		No			
RBCCW	Pump Disch. To Htx. & Rad. Mon.	61				3			No		Partial Package	
	Supply Hdrs. From RBCCW Exchanger	66				1			No		Partial Package	
	Pump Suct. From RBCCW Surge Tk.	70	1	1	1		1		No		Partial Package	
	Ret. From Engr. Safeguard Room Air Recirc. Coils	129		1		2			No		Partial Package	
	CNDS. From Stor. Tk. To F.W. Pumps	35				1			No		Partial Package	
	Aux. F.W. Pumps Pumps Disch. To CV's.	101	1	1		3	4		No		Partial Package	

* Note: Type (1) Geometry Change, Type (2) Missing or Relocated Supports, Type (3) Additional Constraints
Type (4) Deviation From Support Design (5) Anchor Bolts and Base Plates - IE Bulletin 79-02

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MILLSTONE UNIT 2

IE BULLETIN 79-14 60 DAY WALKDOWN RESULTS

SYSTEM	SUBSYSTEM	ANALYSIS PROBLEM #	QUANTITY & TYPE OF DEVIATION					IS PIPING REANALYSIS REQUIRED	IS SYSTEM OPERABILITY AFFECTED (ENGINEERING/ JUDGMENT)	IS SUPPORT ADEQUATE	REANALYSIS SCHEDULE	COMMENT
			TYPE 1*	TYPE 2*	TYPE 3*	TYPE 4*	TYPE 5*					
	Cnds. To Aux. F.W. Pumps	102			1			No			Partial Package	
Aux. Feed- water	Aux. F.W. From C.V.'s To Isol, Valves	103					1	No			Partial Package	
	Cnds. From Stor. Tk. To F.W. Pumps	110		1		2	3	No			Partial Package	
	Aux. F.W. From C.V.'s to Isol. Valves	100				3	3	No			Partial Package	
Main Steam	N/A	13			1	23		No			Partial Package	
Safety Injection	LPSI	44				1	1	No			Partial Package	
	LPSI/C.S.	46		4		3	2	No			Partial Package	
	HPSI	47				1		No			Partial Package	

* Note: Type (1) Geometry Change, Type (2) Missing or Relocated Supports, Type (3) Additional Constraints
Type (4) Deviation From Support Design (5) Anchor Bolts and Base Plates - IE Bulletin 79-02

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TABLE 3 NOTATIONS

<u>NOTATION</u>	<u>EXPLANATION</u>
Stress	Refers to the analytical group designated to review and evaluate non-conformities identified in I&E Bulletin #79-14, which may affect the original stress analysis.
Support	Refers to the analytical group designated to review and evaluate non-conformities identified in I&E Bulletin #79-14 involving pipe support or constraint.
Supt.	Support
Dwg.	Drawing

MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM DIESEL GEN. INTAKEP&ID N/A

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
420	SK-M-1091-B25058 Support Relocated	Stress Group to Review	Relocate Support as Designed
	SK-M-1091 - No Restraint Dwg.	Pipe Support Group to Review	Pending
421	SK-M-1092 - Pipe Branch Eliminated	To Be Reviewed by Stress Group	Acceptable But Must Check Support for New Loads
	SK-M-1092 - No Clearance Through Penetration	To Be Reviewed by Stress Group	Acceptable
410	FSK-M-003 Support Dwg. #405757	To Be Reviewed Under IE Bulletin #79-02	Retorque Anchor Bolts
	FSK-M-003 Support Dwg. #405789	To Be Reviewed Under IE Bulletin #79-02	Retorque Anchor Bolts
	FSK-M-003 Penetration Constrains Pipe	To Be Reviewed by Stress Group	Pending
	FSK-M-003 Unidentified Support	To Be Reviewed by Stress Group	Pending
	FSK-M-003 Support Dwg. #405789 Installation Not Per Design	To Be Reviewed by Hanger Group	Pending
	FSK-M-018-004 Miscellaneous Support Installations Do Not Agree With Design	To Be Reviewed by Hanger Group	Pending

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INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SPENT FUEL POOL COOLING

P&ID 25203-26023

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
49C	SK-M-421 Supt. Dwg. #403064 Installation Not Per Design	Support Group to Review	Pending
50	SK-M-428 Support Dwg. #403145 Installation Not Per Design	To Be Reviewed by Rpt. Support Group	Pending
	SK-M-428 Support Dwg. #403145 Base Plate Not Snug	To Be Reviewed Under IE Bulletin #79-02	Retorque Anchor Bolts
	SK-M-428 Support Dwg. #403149 Support Relocated	To Be Reviewed by Stress	Pending
	SK-M-428 Penetrations Are Grouted	To Be Reviewed by Stress	Pending
164	SK-M-566 Support Dwg. #403197 Improper Welds	Pipe Support Group to Review	Pending
	SK-M-567 Support Dwg. #503026 Not Installed	Pipe Stress Group to Review	Pending
	SK-M-567 Support Dwg. #503093 Support Welded in Lieu of Anchors	Pipe Support Group to Review	Pending
	SK-M-567 Gate Valve in Line But Not on ISO	Pipe Stress to Review	Pending
	SK-M-562 Support Dwg. #403090 Installation Not Per Design	Pipe Support Group to Review	Pending
	SK-M-562 Support Dwg. #403049 Installation Not Per Design	Pipe Support Group to Review	Pending

MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SPENT FUEL POOL COOLING (CONTINUED)

P&ID 25203-26023

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
166	SK-M-563 Support Dwg. #403111 Base Plate Not Snug	To Be Reviewed Under IE Bulletin #79-02	Retorque Anchor Bolts
	SK-M-563 Support Dwg. #403112 Base Plate Not Snug	To Be Reviewed Under IE Bulletin #79-02	Retorque Anchor Bolts
	SK-M-568 Penetrations Grouted	To Be Reviewed by Stress Group	Pending
	SK-M-563 Support Dwg. #403112 Weld Not Per Design	To Be Reviewed by Pipe Support Group	Pending

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INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM RBCCWP&ID 25203-26022

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
61	SK-M-534 - Supt. Dwg. #450071 Supt. Differs from Design Dwg.	Support Group to Verify Seismic Integrity	Acceptable
	SK-M-534 - Supt. Dwg. #405498 Supt. Differs from Design Dwg.	Support Group to Check if 2 Bolts on Plate Are Adequate	Fix Support With 4 Bolts Per Design Dwg.
	SK-M-533 - Supt. Dwg. #405617 Excessive Clearance at Support	Stress to Review Effect on Seismic Integrity	Install Shim Plate to Reduce Clearance to 1/16"
66	SK-M-446 - Supt. Dwg. #350038 Supt. Differs from Design Dwg.	Support Group to Verify if Support is Acceptable	Acceptable
70	SK-M-452 - Supt. Dwg. #405555 Sway Strut is 5 1/2" Too Long Pipe Clamp Loc. Incorrect	Support Group to Review	Strut Length Acceptable/Plant to Position Clamp Per Design Drawing
	SK-M-452 - Supt. Dwg. #505016 Bolts Loose at Plate	Base Plates and Bolts to be Checked Under IE Bulletin #79-02	Plant Maint. to Resolve - Retorque, or Repl. Bolts if required.
	SK-M-476 - Supt. Dwg. #405242 Bent Rod From Spring Can Touches Adjacent Piping	Review Incompl.	
	SK-M-476 - Supt. Dwg. #305916 Support is Missing	Review Incompl.	

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM RBCCW (CONTINUED)

P&ID 25203-26002

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
129	SK-M-839 - Supt. Dwg. #405460 Supt. Inverted and Attached to CMU Wall Not Conc. Wall	Civil Engr. to Verify Load Sup- porting Capability of CMU Wall	Pending
	SK-M-839 - Supt. Dwg. #405457 Supt. Not at Loc. Set by Design Dwg.	Stress to Evaluate as Built Loc.	Pending
	SK-M-839 - Supt. Dwg. #405454 Supt. Attached to CMU Wall Not a Conc. Wall	Civil Engr. to Verify Load Sup- porting Capability of CMU Wall	Pending

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM FEEDWATER

P&ID 25203-26005

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
22	SK-M-326 Sup. Dwg. #412018 Support Items 2,3 and 4 Design 3/4" Actual 5/8"	To Be Checked Under IE Bulletin #79-02	
21	SK-M-326 Sup. Dwg. #412013 Deviation from Support Design	No Affect on Support Design	Acceptable
	SK-M-326 Sup. Dwg. #412015 1/8" Gap Between Plate and Wall	To Be Checked Under IE Bulletin #79-02	
	SK-M-326 Sup. Dwg. #412017 1/8" Gap Between Plate and Wall	To Be Checked Under IE Bulletin #79-02	
	SK-M-326 Sup. Dwg. #412013 Support Projected from Wall 3" >Design. Additional Plates Added to Snubber Attachment to Make Up Difference	Insignificant Deviation	Acceptable

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM LPSI

P&ID 25203-16015

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
44	SK-M-513 - Supt. Dwg. #402006 1 Support Member Larger Than Req'd Per Design Dwg.	Support Group to Check	Acceptable
	SK-M-513 - Supt. Dwg. #402007 Bolts Loose at Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
46	SK-M-523 - Supt. Dwg. #402002 (2) Loose Bolts at Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
	SK-M-523 - Supt. Dwg. #402008 (2) Loose Bolts at Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
	SK-M-523 - Supt. Dwg. #402097 Supt. Loc. Incorrect	Review Incomplete	
	SK-M-523 - Supt. Dwg. #402120 Supt. Loc. Incorrect	Review Incomplete	

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM CONTAINMENT SPRAY

P&ID 25203-26015

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
46	SK-M-425 - Supt. Dwg. #401008 Supt. Location Incorrect	Review Incomplete	
	SK-M-425 - Supt. Dwg. #301126 Supt. Location Incorrect	Review Incomplete	
	SK-M-425 - Supt. Dwg. #501024 Incorrect Mark No. on Supt.	Review Incomplete	

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM HPSI

P&ID 25203-26015

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
46	SK-M-424 - Supt. Dwg. #502019 Welds Not Per Design Dwg.	Review Incomplete	
	SK-M-424 - Supt. Dwg. #30292 Differs From Design Dwg.	Review Incomplete	
	SK-M-423 - Supt. Dwg. #401001 S.S. Shield Missing	Review Incomplete	
47	SK-M-423 - Supt. Dwg. #401003 S.S. Shield Missing	Review Incomplete	

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM AUXILIARY FEEDWATER (AUX. F.W.)P&ID 25203-26005

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
35	SK-M-615 - Supt. Dwg. #405350 Supt. Structure Incomplete	Stress to Verify Supt.	Pending
101	SK-M-1008 - Valves-2FW-56A & 3 are 6" Not 4" as Per Design Dwg.	Stress Group to Review for Ad- ditional Weight Effect Upon Analysis	Pending
	SK-M-1008 - Supt. Dwg. #413130 Bent Bolt in Base Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolt or Replace if Req'd.
	SK-M-1008 - Supt. Dwg. #413205 Gap Between (2) Plates and Wall	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolt or Replace if Req'd.
	SK-M-1008 - Supt. Dwg. #413122 Supt. Does Not Look Like Design Dwg.	Support Group to Check	Acceptable
	SK-M-679 - Piping Geometry Differs From Design Dwg.	Stress to Check	Pending
	SK-M-679 - Supt. Dwg. #413111 Loc. Differs From Design Dwg.	Stress to Check	Pending
	SK-M-598 - Piping Geometry Differs From Design Dwg.	Review Incomplete	
	SK-M-598 - Supt. Dwg. #513019 Gap Between Plate and Wall	To be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
	SK-M-598 - Supt. Dwg. #413153 Loose Nuts at Plate	To be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
102	SK-M-673 - New Support Added	Stress to Review for Possible Effects on Analysis	Pending

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM AUX. F.W. (CONTINUED)

P&ID 25203-26005

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
103	SK-M-1008 - Supt. Dwg. #413124 Loose Bolt at Plate-Gap Betw. Plate & Wall	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
110	SK-M-674 - Supt. Dwg. #505330 Supt. Does Not Agree With Design Dwg.	Stress to Check	Pending
	SK-M-674 - Supt. Dwg. #505330 (2) Bolts Loose at Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
	SK-M-674 - Supt. Dwg. #505061 Base Plate Bolts Wrong Size	To Be Checked Under IE Bulletin #79-02	Pending
	SK-M-674 - Supt. Dwg. #505262 Supt. Off Design Location	Stress to Check	Pending
	SK-M-674 - Supt. Dwg. #405331 Plate Size Differs From Design Dwg.	Support Group to Check	Acceptable
	SK-M-674 - Supt. Dwg. #405331 1 Corner of Plate Loose From Wall	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
100	SK-M-616 - Supt. Dwg. #413187 Supt. Does Not Agree With Design Dwg.	Review Incomplete	
	SK-M-616 - Supt. Dwg. #413189 Supt. Does Not Agree With Design Dwg.	Review Incomplete	
	SK-M-616 - Supt. Dwg. #413189 Gap Betw. Plate and Wall	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
	SK-M-616 - Supt. Dwg. #313074 (3) Loose Bolts at Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM AUX. F.W. (CONTINUED)

P&ID 25203-26005

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
100(Cont'd)	SK-M-616 - Supt. Dwg. #413186 (2) Loose Bolts at Plate	To Be Checked Under IE Bulletin #79-02	Plant Maint. to Retorque Bolts
	SK-M-616 - Supt. Dwg. #413186 Supt. Does Not Agree With Design Dwg.	Review Incomplete	

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MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM MAIN STEAMP&ID 25203-26002

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
13	SK-M-317-Supt. Dwg. No. 490005 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 490006 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 490008 Pipe Movement Restrained By Interference Between Supt. & Structural Steel.	Support Group To Check	Interference Must Be Corrected To Allow Pipe To Move Freely. (NUSCO Suggests To Check For Correct Supt. Loc. During Shut-Down).
	SK-M-317-Supt. Dwg. No. 490003 Joints Welded Rather Than Bolted	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 490009 Joints Welded Rather Than Bolted	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413011 Snubber Adj. Incorrect	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413019 Supt. Does Not Look Like Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413024 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413025 Supt. Differs From Design Dwg.	Support Group To Check	Action Req'd-Calculation is Req'd for Upper Snubber For Design Piston Settings.
	SK-M-317-Supt. Dwg. No. 413014 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable

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MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM MAIN STEAM (Continued)P&ID 25203-26002

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
13 (Continued)	SK-M-317-Supt. Dwg. No. 413014 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413020 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413041 Snubber Is Installed Closer To The Pipe-Not Per Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413023 Supt. Attached To Beam Larger Than That Shown On Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413022 Supt. Differs From Design Dwg.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413046 Some Supt. Parts Missing	Detailed Analysis Is Req'd	Pending
	SK-M-317-Supt. Dwg. No. 413010 Possibly Wrong Size Sway Strut	Review Incomplete	
	SK-M-317 Supt. Dwg. No. 413031 Some Supt. Parts Are Wrong Size	Support Group To Check	New Load Calculation Required
	SK-M-317-Supt. Dwg. No. 413033 Sway Strut Size Possibly Incorrect.	Support Group To Check	Acceptable
	SK-M-317-Supt. Dwg. No. 413032 Support Differs From Design Dwg.	Support Group To Check	Acceptable

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MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM MAIN STEAM (Continued)

P&ID 25203-26002

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
13 (Continued)	SK-M-317-Supt. Dwg. No. 513034 Support Differs From Design Dwg.	Support Group To Check	acceptable
	SK-M-317-Supt. Dwg. No. 413071 Welds Incorrect & (1) Stiff Plate Missing	Support Group To Check	Field Calculation Required & Web Crippling Calculation
	SK-M-317-Supt. Dwg. No. 413029 Supt. Differs From Design Dwg.	Review Incomplete	
	SK-M-317-Supt. Dwg. No. 413030	Review Incomplete	
	SK-M-317-Supt. Dwg. No. 413021 Support Differs from Design Drawing	Support Group To Check	Acceptable

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INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATERP&ID 25203 - 26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
112	<u>SK-M-560 To Disch. Conduit</u> -Unidentified Support -Unidentified Penetration (Thru. Fl. El. 3' - 0") -Unidentified Penetration (Thru. F. (-) 5' - 0") -Unidentified Penetration (Thru. Wall El. 9' - 4")	Stress Group To Review	Pending
	<u>SK-M-573 Return From RBCCW Heat Exchangers</u> -4 Bolts Not Tight - Support Dwg. No. 42710 -Support H-6 Bolts & Nuts Loose (See Dwg. No. 427099A & B) -Unidentified Hanger See SK-M-573 -New Hangers 427070 & 427071 -Unidentified Penetration (Thru F. At El. 3' - 0") -Unidentified Penetration (Thru Fl. El. (-) 5' - 0") -Unidentified Penetration (Thru. Wall El. 9' - 4")	To Be Reviewed Under IE Bulletin 79 - 02 To Be Reviewed Under IE Bulletin 79 - 02 Stress Group To Review	Retorque Anchor Bolts Retorque Anchor Bolts Pending
	<u>SK-M-486</u> -3" Bypass Added Aroun' Valve TV - 6306 -Valve 25WGC Operator Orientation Changed -Valve 25W8.1C Operator Orientation Changed	Stress Group To Review Stress Group To Review Stress Group To Review	Pending

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INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATER CONTINUEDP&ID 25203 - 26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
112	SK-M-484 Return From RBCCW Heat Exchangers		
	-2 - 24" Ø Lines Prevented From Moving North (See Sketch 79-14-003)	Stress Group To Review	Pending
	-Pipe Support H-8 Not Marked	Stress Group To Review	Pending
	-Pipe Support R-18 Incorrect Location	Stress Group To Review	Pending
	-Pipe Support H-7 (Not As Designed) See Dwg. No. 427102A	Support Group To Review	Acceptable
	-Pipe Support R-11 (Does Not Look As Designed) See Dwg. No. 427113	Support Group To Review	Pending
	SK-M-483		
	-Valve TV-6308 Operator Orientation Changed	Stress Group To Review	Pending
	-Valve 2-SW-9A Operator Orientation Changed	Stress Group To Review	Pending
	-Pipe Support H-10 (Not As Designed) (See Dwg. No. 527068B)	Support Group To Review	Pending
	-Pipe Support R-12 (Not As Designed) (See Dwg. No. 427016A)	Support Group To Review	Pending
	SK-M-485		
	-Valve 2-SW18.1B Operator Orientation Changed	Stress Group To Review	Pending
	-Unidentified Penetration	Stress Group To Review	Pending
114	SK-M-691-Supt. Dwg. No. 527039, Bolts Sheared Off & Struct. Member Sizes Incorrect	Stress to Check Anchor Loads & Re-evaluate Bolt Sizes	Replace Broken Bolts
	SK-M-690 & 691-Sequence Of Valves Is Reversed	Stress Review Req'd.	Pending Stress Review

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MILLSTONE UNIT 2

TABLE 5

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATER CONTINUEDP&ID 25203 - 26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
114	SK-M-690-Supt. Dwg. No. 327076 Base Pl. Loose At Wall.	Base Plates & Bolts To Be Checked Under IE Bulletin 79-02.	Re-Torque Or Replace Bolts As Required.
	SK-M-691-Supt. Dwg. No. 427048 Bolts Loose At Plate	Base Plates & Bolts To Be Checked Under IE Bulletin 79-02	Re-Torque Or Replace Bolts As Required.
	SK-M-691-Supt. Dwg. No. 427047 Bolts Loose At Plate	Base Plates & Bolts To Be Checked Under IE Bulletin 79-02	Re-Torque Or Replace Bolts As Required.
	SK-M-690-Supt. Dwg. No. 327075 Bolts Loose At Plate	Base Plates & Bolts To Be Checked Under IE Bulletin 79-02	Re-Torque Or Replace Bolts As Required.
	SK-M-691-Supt. Dwg. No. 327077 Bolts Loose At Plate.	Base Plates & Bolts To Be Checked Under IE Bulletin 79-02.	Re-Torque Or Replace Bolts As Required.
	SK-M-691-Supt. Dwg. No. 427046 Bolts Loose At Plate.	Base Plates & Bolts To Be Checked Under IE Bulletin 79-02	Re-Torque Or Replace Bolts As Required.
115	SK-M-569-Supt. Dwg. No. 427083 Welds Not Per Design	Support Group To Check Existing Weld For Adequacy	Acceptable
	SK-M-625-Support Not Shown On Design Drawing	Stress Review Req'd	Pending
	SK-M-569-Support Not Shown On Design Drawing	Stress Review Req'd	Pending
	SK-M-487-Supt. Dwg No. 427074 Eccentric Load On Base Plate	To Be Reviewed Under IE Bulletin 79-02	Pending
	SK-M-487-Supt. Dwg. No. 427113A Bolts Loose or Bent At Plate	To Be Reviewed Under IE Bulletin 79-02	Replace And Retorque Bolts As Required.

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MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATER CONTINUEDP&ID 25203 - 26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
115	SK-M-625-Supt. Dwg. No. 427064 "As Built" Not Per Design Drawing	Support Group Review Required	Acceptable
	SK-M-569-Geometry Change	Stress to Review	Pending
	SK-M-569-Supt. Dwg. No. 427080 Welds Not Per Dwg.	Support Group to Review	Acceptable
	SK-M-487-Valve Orientations Not On Iso.	Stress to Review	Pending
	SK-M-625-Supt. Dwg. No. 327012 3/4" Designed Plate is 5/8"	To Be Reviewed Under IE Bulletin 79-02	Pending
	SK-M-625-Supt. Dwg. No. 327013 Weld Not Correct	Support Group to Review	Pending
	SK-M-488-Operator Orientations	Stress to Review	Pending
	SK-M-488-Supt. Dwg. No. 427075 Installation Not Per Design	Support Group to Review	Pending
	SK-M-488-Supt. Dwg. No. 427076 Installation Not Per Design	Support Group to Review	Pending
	SK-M-488-Supt. Dwg. No. 427114 Plate Not Snug	To Be Reviewed Under IE Bulletin #79-02.	Pending
118	SK-M-727-Supt. Dwg. No. 427092 Bolts Loose or Bent At Plate	To Be Reviewed Under IE Bulletin #79-02.	Re-Torque or Replace Bolts As Required
	SK-M-725-Supt. Dwg. No. 427047 Missing Anchor Bolt & Grout	To Be Reviewed Under IE Bulletin #79-02.	Replace Bolt & Grout As Necessary.
	SK-M-725-Supt. Dwg. No. 327157 Base Plate Not Snug to Wall	To Be Reviewed Under IE Bulletin #79-02.	Re-Torque Anchor Bolts.

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MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATER CONTINUEDP&ID 25203-26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
118	SK-M-727-Supt. Dwg. No. 327147 Anchor Bolts 5/8" In Lieu Of 3/4"	To Be Reviewed Under IE Bulletin 79-02	Pending
	SK-M-727-Supt. Dwg. No. 327149 Missing Support	To Be Reviewed By Stress	Pending
	SK-M-727-Unidentified Support Added.	To Be Reviewed By Stress	Pending
	SK-M-727-Supt. Dwg. No. 427094 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
	SK-M-726 Supt. Dwg. No. 527073 Base Plate Not Grouted	To Be Reviewed Under IE Bulletin 79-02	Grout As Necessary
	SK-M-726 Supt. Dwg No.527019 Single Stiffner Replaced by Two	To Be Reviewed By Pipe Support Designer	Pending
	SK-M-726-Supt. Dwg. No. 327121 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
	SK-M-726-Supt. Dwg. No. 327122 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02.	Retorque Anchor Bolts
	SK-M-726-Supt. Dwg. No. 327159 Dwg. Not Available	To Be Reviewed By Pipe Support Designer	Pending
	SK-M-725-Supt. Dwg. No. 527015 Strut Length	Shorter Strut Is Better	Acceptable
119	SK-M-724-11' - 9" Dim. Is 9' - 0", Support Not Marked On Iso.	Stress To Evaluate As Built	Pending

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MILLSTONE UNIT 2

TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATER CONTINUEDP&ID 25203 - 26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
120	SK-M-625-Additional Support Not Shown On Iso.	Stress To Review	Pending
	SK-M-625-427092 - 1/2" Anchor Bolts Installed In Lieu of 5/8" Per Design.	Review Under IE Bulletin 79-02.	Pending
	SK-M-625-427026-Different Steel Attachment Than Design	Pipe Support Designers To Review	Pending
	SK-M-625-380352-W 5 x 5 VSFO Used In Lieu Of 4W13	Pipe Support Designers To Review	Pending
	SK-M-625-327135-Base Plates Incorrect Size; Not Snug To Wall	Review Under IE Bulletin 79-02.	Pending
	SK-M-625-327138-Additional Plate On Support Steel	Pipe Support Designers To Review	Pending
121	SK-M-1028-Supt. Dwg. No. 327021 Base Plate Reoriented	To Be Reviewed Under IE Bulletin 79-02.	Pending
	SK-M-1028-Supt. Dwg. No. 527060 Base Plate Not Snug.	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
	SK-M-1028-Supt. Dwg. No.527059 Base Plate Not Snug.	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
	SK-M-1028-Supt. Dwg. No.527042 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
	SK-M-1028-Supt. Dwg. No.527034 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02.	Retorque Anchor Bolts
	SK-M-1028-Supt. Dwg. No.527001 Base Plate Not Snug.	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts

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TABLE 3

INITIAL RESOLUTIONS OF NONCONFORMANCES IDENTIFIED BY IE BULLETIN 79-14

SYSTEM SERVICE WATER CONTINUEDP&ID 25203 - 26008

<u>PROBLEM NO.</u>	<u>NONCONFORMANCE</u>	<u>EVALUATION</u>	<u>PRELIMINARY RESOLUTION</u>
121	SK-M-1208-Supt. Dwg. No. 527001 Members Not Same As Design	To Be Reviewed By Support Group	Pending
	SK-M-1208-Penetrations Fixed	To Be Reviewed By Stress	Pending
122	SK-M-1029-Supt. Dwg. No. 527026 Support Missing	To Be Reviewed By Stress	Pending
	SK-M-1209-Supt. Dwg. No. 527022 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
	SK-M-1209-Supt. Dwg. No. 527093 Base Plate Not Snug	To Be Reviewed Under IE Bulletin 79-02	Retorque Anchor Bolts
411	SK-M-1031-General Configuration Does Not Agree With Design Dwg.	Review Incomplete	
	SK-M-1031-Supt. Dwg. No. 427107 Part Of Supt. Is Missing	Review Incomplete	
	SK-M-1031-Supt. Dwg. No. 427005 Supt. Differs From Design Dwg.	Review Incomplete	
	SK-M-1031-Supt. Dwg. No. 427007 Supt. Differs From Design Dwg.	Review Incomplete	

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