

62 50

This package of information includes the results of an initial look at the Turbine Bypass Valve (SP 13A2) and associated piping, and a walkdown of the main steam system outside of containment documented under a QC inspection plan conducted on June 14, 1985. Results of the QC walkdown indicated no gross failures.

Given to NRC:

Fact finding team:	<u>6/17/85</u>	<u>~ 11:30 am.</u>
	date	time

Region III: (W. Shafer)	<u>6/17/85</u>	<u>~ 11:30 am.</u>
	date	time

8507300044 850617
PDR ADOCK 05000346
P PDR

Summary of 6/11/85 Walkdown
of
Turbine Bypass Valve PV-SP13A2

Participants: R.A.Ackerman, Assistant Engineer
T.E.Hiss, Mechanical Engineering Supervisor
M.B.Raynes, Assistant Engineer (part-time)

Time: 1:00 - 2:00 pm, Tuesday June 11, 1985

PURPOSE

The purpose of the walkdown was to generally scope out the damaged turbine bypass valve as well as look for signs of water-hammer to the piping system.

FINDINGS

The following items were observed on the damaged turbine bypass valve:

- the yoke was severed at both sides near the mounting bolts for the manual actuator
- the cylinder adapter cracked circumferentially (360 degrees) near the mounting bolts to the spacer
- the valve stem indicator showed the valve to be in the open position
- the switch assembly mounting bracket was bent
- the Bailey positioner mounting bracket was bent
- the Bailey valve positioner drive rod broke away from the valve stem
- the solenoid valve mounting bracket was bent upwards

The piping system associated with the turbine bypass valve noted no evidence of any abnormal pipe movements due to water hammer. Pipe support structures in the immediate area appeared intact with no sign of gross failures



Log No. E85-152A
File No. MM 5.1

June 13, 1985

SP 13A2 and Associated Piping Walkdown 6/13/85 at 0930:

Hanger EBD-3-H33 - No movement apparent on snubber

B Header Valves and Actuators show no visible damage

Valve upper stem thread shown in inches:

13A1	7/8
13A2	2-1/8
13A3	1-1/16
13B1	47/64
13B2	1-1/8
13B3	1-3/16

MS 712 no visual damage.

EBD-108-H5 - minimal movement in south direction.

No visual damage to insulation upstream of valve.

MS 47

Line from SP13A2 to condenser shows no visual signs of water hammer damage.

End 1010 6/13/85.

<i>Matthew B. Raynes</i>	<i>Mike Kusnir</i>
Matthew Raynes	Mike Kusnir
Assistant Engineer	Assistant Engineer

TOLEDO EDISON COMPANY
QUALITY CONTROL SECTION
QC SURVEILLANCE/INSPECTION REPORT
ED 6848-1

SURVEILLANCE NO.
85-M-51

DATE 14 June 1985	PAGE 1 OF 14
PREPARED BY John L. Schultz <i>John L. Schultz</i>	REVIEWED BY <i>D. Rhodes</i>
SUBJECT MAIN STEAM WALKDOWN	

DESCRIPTION OF SURVEILLANCE/INSPECTION REPORT

This surveillance report documents the Main Steam Line Walkdown conducted by
Quality Control Inspectors; J. Schultz, M. Hurley; R. Schuck; M. Spencer and
D. Rhodes.

Starting outside Containment, the walkdown was conducted to the turbine nozzle and
to the turbine bypass valves. See drawings HL-203A, HL-203B, HL-203C and HL-203G.

No Gross Failures were found during this indirect inspection. See attached
QCIP-037 data sheets for details.

E-N-D

TITLE	NUMBER	PAGE
Gross Deficiency Indirect Inspection of Piping	QCIP-037	1 OF 4
Hangers, Supports, and Restraints	REV. NO.	DATE
	0	6-14-85
PREPARED BY:	LEVEL REQ.	AREA
John L. Schultz	II	Mechanical
REVIEWED BY:	APPROVED BY:	
<i>Handwritten signature</i> 6/14/85 Fac. Engng. Supervisor	<i>Handwritten signature</i> 6/14/85	

1.0 INTRODUCTION

The purpose of this Inspection Plan is to set forth the criteria used to perform an indirect inspection on piping and piping supports for gross deficiencies of a variety of systems. This Inspection Plan will be implemented by Quality Control at the request of the Nuclear Facility Engineering Department.

A walkdown indirect inspection will be performed on the system to document any gross conditions. The results of the inspection is to be documented on an Attachment I and information provided to Nuclear Facility Engineering Supervisor for evaluation.

2.0 REFERENCES

- 2.1 ANSI N45.2.6
- 2.2 Specification 12501-M-450Q
- 2.3 Specification 12501-C-406Q
- 2.4 AD 1807.00
- 2.5 QCI 3101
- 2.6 QCI 3150

3.0 PREREQUISITES

- 3.1 System to be inspected must be in a stable condition, (i.e. cold/shutdown, hot/operating).

4.0 EQUIPMENT

- 4.1 Flashlight

5.0 REQUIREMENTS

- 5.1 Perform an indirect inspection of each hanger for the following attributes as they apply to the hanger and complete Attachment I. Document all unsatisfactory conditions in the remarks section on the attachment, and inaccessible areas not inspected.

"CAUTION"

No access to "roped off" areas pertaining to equipment on the attached Equipment Freeze List shall be made. Document such conditions in the remarks section.

PERFORMED BY:	REVIEWED BY:
N/A	N/A
	QC SUPERVISOR
	N/A

QC Report # 85-M-51

PAGE	2	OF	4
NUMBER	QCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

NOTE: The results of inspection shall be recorded on Attachment I as follows:

- S - Satisfactory
- U - Unsatisfactory
- N/A - Not Applicable
- * - Additional information in remarks section

- 5.1.1 Inspect anchor bolts for looseness or pulled out. Where possible, identify any signs that the base plate to anchor interface has shifted, such as chipped or cracked paint around nut, bolt, or washer.
- 5.1.2 Inspect base plate for signs of movement such as cracked painting, chipped or broken concrete/grout, etc.
- 5.1.3 Inspect the thermal insulation in the vicinity of the hanger for any indication of excessive pipe movement. Note any conditions such as crumbling, or displaced insulation blocks, deformed and loose jacketing, etc.
- 5.1.4 Inspect hanger or support structure for any degrading condition such as bent or deformed members, pipe clamp shifted or mis-orientated.
- 5.1.5 Inspect hydraulic/mechanical snubber and spring hangers for:
 - 5.1.5.1 Gross failures such as members, piston rod and welds.
 - 5.1.5.2 Verify pivot pins and retainers/load studs are installed.
 - 5.1.5.3 For hydraulic snubbers verify fluid level is correct and no evidence of leakage. (Should be approx. $\frac{1}{2}$ full with piston rod fully extended, and $\frac{7}{8}$ full with piston rod fully retracted. Fluid level should be at an intermediate level with piston rod at an intermediate position).
- 5.1.6 Enter initials and date on Attachment I.

TITLE						NUMBER	REVISION NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037	
Hangers, Supports, and Restraints HL-2038 Rev.0						0.	
SECT. "X" C-280	S	S	S	S	N/A	RL III 6/14/85	
SECT. "S" C-282	SEE REMARKS	S	S	S	N/A	RL III 6/14/85	
DET. "S" C-282	SEE REMARKS	S	S	S	N/A	RL III 6/14/85	
SR-19 EAST	S	S	S	S	Hydraul S	RL III 6/14/85	
SR-19 WEST	S	S	S	S	Hydraul. S	RL III 6/14/85	
SECT. "Y" C-283	S	S	S	S	N/A	RL III 6/14/85	
EBB-1-H2 (A44)	S	S	N/A	S	Hydraul. S	RL III 6/14/85	
EBB-1-H2 (A45)	S	S	N/A	S	Hydraul. S	RL III 6/14/85	
SECT. W C-283	N/A S	S	SEE REMARK	S	N/A	RL III 6/14/85	
SR-18 TOP	S	S	S	S	Hydraul. S	RL III 6/14/85	
SR-18 BOTTOM	S	S	S	S	Hydraul. S	RL III 6/14/85	
SECT. "O" C-283	SEE REMARK	S	SEE REMARK	S	N/A	RL III 6/14/85	
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	...	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER	OCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

HL-203B REV. 0

REMARKS: 6/14/85 1325 hrs. CONTACTED shift Supr. to ENTER door #601.

SECT. S C-282 EAST Anchor Bolt to pad INTERFACE (CRACK IN CONCRETE pad from bottom of bolt to halfway down the side of the pad)

~~DET.~~ DET. S C-282 EAST Anchor Bolt to pad INTERFACE (2 CRACKS IN CONCRETE pad from bottom of bolt to $\approx 5" \times 6"$ on face of pad.)

NOTE: INSULATION prior to MS1V (FD100) HAS BEEN SMASHED from being WALKED ON CROSSed OVER ETC.

NOTE: INSULATION by MS100-1 IS broken OFF & torn.

SECT W C-283 COVER MISSING, bottom half INSULATION blocks falling OFF, broken INSUL. PARTICLES, DUST, UNside WITH EVIDENCE OF LINE MOVEMENT $\approx 1\frac{1}{4}"$ E-W direction.

SECT 'D' C-283 CONCRETE SPALLING & MULTIPLE CRACKS radiating IN CONCRETE

- ② 5 o'clock looking EAST FLASHING bent & INSULATION LOOSE
- ③ 8 o'clock " " INSULATION has slipped

Pg 5 of 14

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints HL-203C REV. 0						REVISION NUMBER 0:
EBD-1-H14	N/A	N/A	S	S	N/A	gld 6-14-85
EBD-1-H15	SEE REM. S	S	S	S	HYDRAULIC SEE REM. S	gld 6-14-85
EBD-1-H12	S	S	S	S	N/A	gld 6-14-85
EBD-1-H4	N/A	N/A	SEE REM. S	S	SPRING CAN S	gld 6-14-85
EBD-1-H7	S	S	S	S	N/A	gld 6-14-85
EBD-1-H6	N/A	N/A	S	S	SPRING CAN S	gld 6-14-85
EBD-1-H18	S	N/A	S	S	HYDRAULIC S	gld 6-14-85
EBD-1-H1	N/A	N/A	S	S	N/A	gld 6-14-85
EBD-3-H6	S	S	S	S	N/A	gld 6-14-85
EBD-3-H7	N/A	N/A	SEE REM. S	S	N/A	gld 6-14-85
EBD-3-H27	N/A	N/A	SEE REM. S	S	N/A	gld 6-14-85
* FOR 24" EBD-1 LINE SEE	REMARKS					
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC REPORT # 85-M-21

PAGE	4	OF	4
NUMBER	OCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

HL-203 C REV. 0

REMARKS:

ERD-1-H15: TOP ROD EYE NUT 1ST THREAD CRACKED (MAY BE DUE TO INSTALLATION - APPEARS TO HAVE BEEN HEATED)

PISTON ROD WIPER DEGRADATION (MELTING)

ERD-1-H4: CAN'T SEE INSULATION ON TOP SIDE OF PIPE

* 24" EBD-1 LINE

1) FROM MV STM TO VLV:

(a) MOST WEST LINE - MINOR SLIPPAGE OF FLASHING @ 602'

(b) SECOND MOST WEST LINE - 1 1/2" S.W. INSULATION AJAR @ 605'

2) FROM VLV TO TURBINE:

(a) MOST WEST LINE - (1) 592' VARIOUS KRINKLES & TEAR IN FLASHING

(2) UNDER GRATING OF 603' EVIDENCE OF EXCESSIVE MOVEMENT. FLASHING RIPPED, INSULATION TORN, APPROX 16"

ERD-3-H7 KRINKLING OF INSULATION ON WEST SIDE

ERD-3-H27 N-W SIDE INSULATION DENTED.

PG 7 OF 14

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER	QCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

HL-203G REV 0

REMARKS:

EBD-3-H16 HAS SHIFTED SOUTH $\pm 1"$
FOOT DOESN'T CONTACT SUPPORT AREA.

NOTE 1

EBD-3-H17 & EBD-3-H33 LOCATED IN ROPED OFF AREA

Pg 9 of 14

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints						REVISION NUMBER
DRAWING HL-203A REV.						01
C282	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
C282 DETAIL R1	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
C282 DETAIL R2	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
SR47	SAT	SEE REMARKS SAT	SAT	SAT	SAT	RJT MD 6/14/85 ✓
SR11	SAT	SAT	SAT	SAT	SAT	RJT MD 6/14/85 ✓
C288 DETAIL 6	SAT	SAT	SEE REMARKS	SAT	N/A	RJT MD 6/14/85 ✓
SR10	SAT	SAT	SAT	SAT	SAT SEE REMARKS	RJT MD 6/14/85 ✓
WR3	N/A	N/A	SAT	SEE REMARKS	N/A	RJT MD 6/14/85 ✓
SR12	SAT	REMARKS	SAT	SAT	SAT	RJT MD 6/14/85 ✓
C288 DETAIL 6	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
C288 DETAIL 6	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
SR13	SAT	SAT	SAT	SAT	REMARKS	RJT MD 6/14/85 ✓
SR17	N/A	N/A	SAT	SAT	REMARKS	RJT MD 6/14/85 ✓
3A-E8D-1-H13	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
3A-E8D-1-H11	SAT	SAT	SAT	SAT	N/A	RJT MD 6/14/85 ✓
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

DRAWING
HL 203C REV0

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER	OCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints HL-203A

REMARKS:

SR 47 NW PLATE COSMETIC DAMAGE TO GROUT

C288 DL INSULATION PEELED BACK ON BOTH VERTICAL RODS
LINE SHIFTED \approx 2 IN LINEAR DIRECTION (WEST)

SR 10 SLIGHT LEAKAGE AT SNUBBER RESERVOIR

WR 3 SPACER BOLTS A490 ALL LOOSE EXCEPT 2

SR 12 WEST SIDE GROUT CRACKED APPEARS TO HAVE VOID

SR 13 TUBING FROM RESERVOIR TO SNUBBER LEAKING

SR 17 FITTING LEAKING DRAIN PLUG LEAKING

DWG 203A HANGERS SECTN C 289 THAN HANGS SR 16 COULD NOT
BE INSPECTED DUE TO NON-ACCESSIBILITY *not* July 6/14/95

Pg 11 OF 14

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP- 37
Hangers, Supports, and Restraints HL 203C REV 0						REVISION NUMBER 0
3A-EBD1-H1	N/A	N/A	SAT	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD1-H16	SAT	SAT	SAT	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD1-H2	N/A	N/A	SAT	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD1-H19	N/A	N/A	SAT	SAT	REMARKS SAT	REMARKS 6-14-85 RJS mod
3A-EBD1-H20	N/A	N/A	SAT	SAT	REMARKS	REMARKS 6-14-85 RJS mod
3A-EBD3-H2	N/A	N/A	SAT	REMARKS SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H3	N/A	N/A	SAT	REMARKS	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H4	N/A	N/A	REMARKS	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H5	N/A	N/A	REMARKS	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H25	SAT	SAT	SAT	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H23	N/A	N/A	REMARKS	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H22	SAT	SAT	SAT	SAT	N/A	REMARKS 6-14-85 RJS mod
3A-EBD3-H34	N/A	N/A	SAT	SAT	SAT	REMARKS 6-14-85 RJS mod
3A-EBD3-H26	SAT	SAT	SAT	SAT	N/A	REMARKS 6-14-85 RJS mod
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC REPORT # 85-M-51

PAGE	4	OF	4
NUMBER	QCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints HL 203C / 203G

REMARKS:

- H19 LOWER TOP CLAMP BOLT IS LOOSE
- H20 NORTH SIDE INNER CLAMP BOLT LOOSE
SNUBBER WILL NOT ROCK FREELY
- H2 SOUTH BOLT CARRIES NO BEARING
- H3 JAM NUT LOOSE ON NORTH STRUT
- H4 INSULATION ON NORTH SIDE WRINKLED
- H5 INSULATION BROKEN AT BANDING ON SOUTH SIDE
- H23 INSULATION SPLIT A BEND

Pg 13 OF 14

Summary of 6/11/85 Walkdown
of
Turbine Bypass Valve PV-SP13A2

Participants: R.A.Ackerman, Assistant Engineer
T.E.Hiss, Mechanical Engineering Supervisor
M.B.Raynes, Assistant Engineer (part-time)

Time: 1:00 - 2:00 pm, Tuesday June 11, 1985

PURPOSE

The purpose of the walkdown was to generally scope out the damaged turbine bypass valve as well as look for signs of water-hammer to the piping system.

FINDINGS

The following items were observed on the damaged turbine bypass valve:

- the yoke was severed at both sides near the mounting bolts for the manual actuator
- the cylinder adapter cracked circumferentially (360 degrees) near the mounting bolts to the spacer
- the valve stem indicator showed the valve to be in the open position
- the switch assembly mounting bracket was bent
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The piping system associated with the turbine bypass valve noted no evidence of any abnormal pipe movements due to water hammer. Pipe support structures in the immediate area appeared intact with no sign of gross failures



Log No. E85-152A
File No. MM 5.1

June 13, 1985

SP 13A2 and Associated Piping Walkdown 6/13/85 at 0930:

Hanger EBD-3-H33 - No movement apparent on snubber

B Header Valves and Actuators show no visible damage

Valve upper stem thread shown in inches:

13A1	7/8
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EBD-108-H5 - minimal movement in south direction.

No visual damage to insulation upstream of valve.

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Line from SP13A2 to condenser shows no visual signs of water hammer damage.

End 1010 6/13/85.

Matthew B. Raynes

Matthew Raynes
Assistant Engineer

Mike Kusnir

Mike Kusnir
Assistant Engineer

TOLEDO EDISON COMPANY
QUALITY CONTROL SECTION
QC SURVEILLANCE/INSPECTION REPORT
ED 6848-1

SURVEILLANCE NO.
85-M-51

DATE	14 June 1985	PAGE	1 OF 14
PREPARED BY	John L. Schultz <i>John L. Schultz</i>	REVIEWED BY	<i>D. Rhodes</i>
SUBJECT	MAIN STEAM WALKDOWN		

DESCRIPTION OF SURVEILLANCE/INSPECTION REPORT

This surveillance report documents the Main Steam Line Walkdown conducted by Quality Control Inspectors; J. Schultz, M. Hurley; R. Schuck; M. Spencer and D. Rhodes.

Starting outside Containment, the walkdown was conducted to the turbine nozzle and to the turbine bypass valves. See drawings HL-203A, HL-203B, HL-203C and HL-203G.

No Gross Failures were found during this indirect inspection. See attached QCIP-037 data sheets for details.

E-N-D

TITLE	NUMBER	PAGE
Gross Deficiency Indirect Inspection of Piping	OCIP-037	1 OF 4
Hangers, Supports, and Restraints	REV. NO.	DATE
	0	6-14-85
PREPARED BY:	LEVEL REQ.	AREA
John L. Schultz <i>John L. Schultz</i>	II	Mechanical
REVIEWED BY:	APPROVED BY:	
<i>Skidmore 6/14/85 Fac. Engng. In Spcl.</i>	<i>D. Moller 6/14/85</i>	

1.0 INTRODUCTION

The purpose of this Inspection Plan is to set forth the criteria used to perform an indirect inspection on piping and piping supports for gross deficiencies of a variety of systems. This Inspection Plan will be implemented by Quality Control at the request of the Nuclear Facility Engineering Department.

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PERFORMED BY:	REVIEWED BY:
N/A	N/A
	QC SUPERVISOR
	N/A

QC Report # 85-M-51

TITLE	PAGE 2 OF 4
Gross Deficiency Indirect Inspection of Piping	NUMBER QCIP-037
Hangers, Supports, and Restraints	REVISION NUMBER 0

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- * - Additional information in remarks section

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TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints HL-2038 REV.0						REVISION NUMBER 0.
SECT. "X" C-280	S	S	S	S	N/A	RLA III 6/14/85
SECT. "S" C-282	SEE REMARKS	S	S	S	N/A	RLA III 6/14/85
DET. "S" C-282	SEE REMARKS	S	S	S	N/A	RLA III 6/14/85
SR-19 EAST	S	S	S	S	Hydraul S	RLA III 6/14/85
SR-19 WEST	S	S	S	S	Hydraul. S	RLA III 6/14/85
SECT. "Y" C-283	S	S	S	S	N/A	RLA III 6/14/85
EBB-1-H2 (A44)	S	S	N/A	S	Hydraul. S	RLA III 6/14/85
EBB-1-H2 (A45)	S	S	N/A	S	Hydraul. S	RLA III 6/14/85
SECT. W C-283	N/A S	S	SEE REMARK	S	N/A	RLA III 6/14/85
SR-18 TOP	S	S	S	S	Hydraul. S	RLA III 6/14/85
SR-18 BOTTOM	S	S	S	S	Hydraul. S	RLA III 6/14/85
SECT. "O" C-283	SEE REMARK	S	SEE REMARK	S	N/A	RLA III 6/14/85
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER	OCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

HL-203B REV. 0

REMARKS: 6/14/85 1325 hrs. CONTACTED shift Supr. to ENTER door #601.

SECT. S C-282 EAST Anchor Bolt to pad INTERFACE (CRACK IN CONCRETE pad from bottom of bolt to halfway down the side of the pad)

~~DET.~~ DET. S C-282 EAST Anchor Bolt to pad INTERFACE (2 CRACKS IN CONCRETE pad from bottom of bolt to $\approx 5" \times 6"$ on face of pad.)

NOTE: INSULATION prior to MSIV (FD100) HAS BEEN SMASHED from BEING WALKED ON CROSSED OVER ETC.

NOTE: INSULATION by MS100-1 IS BROKEN OFF & TORN.

SECT W C-283 COVER MISSING, bottom half INSULATION blocks falling OFF, broken INSUL. PARTICLES, DUST, UNSIDE WITH EVIDENCE OF LINE MOVEMENT $\approx 1\frac{1}{4}"$ E-W direction.

SECT 'O' C-283 ① CONCRETE SPALLING & MULTIPLE CRACKS radiating IN CONCRETE

② 5 o'clock looking EAST FLASHING bent & INSULATION LOOSE

③ 8 o'clock " " INSULATION has slipped

Pg 5 of 14

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints HL-203C REV. 0						REVISION NUMBER 01
EBD-1-H14	N/A	N/A	S	S	N/A	gld 6-14-85
EBD-1-H15	SEE REM. S	S	S	S	HYDRAULIC SEE REM. S	gld 6-14-85
EBD-1-H12	S	S	S	S	N/A	gld 6-14-85
EBD-1-H4	N/A	N/A	SEE REM. S	S	SPRING CAN S	gld 6-14-85
EBD-1-H17	S	S	S	S	N/A	gld 6-14-85
EBD-1-H6	N/A	N/A	S	S	SPRING CAN S	gld 6-14-85
EBD-1-H18	S	N/A	S	S	HYDRAULIC S	gld 6-14-85
EBD-1-H1	N/A	N/A	S	S	N/A	gld 6-14-85
EBD-3-H6	S	S	S	S	N/A	gld 6-14-85
EBD-3-H7	N/A	N/A	SEE REM. S	S	N/A	gld 6-14-85
EBD-3-H27	N/A	N/A	SEE REM. S	S	N/A	gld 6-14-85
* FOR 24" EBD-1 LINE SEE	REMARKS					
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER			
OCIP-037			
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

HL-203 C Rev. 0

REMARKS:

EBD-1-H15: TOP ROD EYE NUT 15' THREAD CRACKED (MAY BE DUE TO INSTALLATION - APPEARS TO HAVE BEEN HEATED)

PISTON ROD WIPER DEGRADATION (MELTING)

EBD-1-H4: CAN'T SEE INSULATION ON TOP SIDE OF PIPE

* 24" EBD-1 LINE

1) FROM MAIN STN TO VLU:

(a) MOST WEST LINE - MINOR SLIPPAGE OF FLASHING @ 602'

(b) SECOND MOST WEST LINE - 1 1/2" S.W. INSULATION AJAR @ 605'

2) FROM VLU TO TURBINE:

(a) MOST WEST LINE - (1) 592' VARIOUS KRINKLES & TEAR IN FLASHING

(2) UNDER GRATING OF 603' EVIDENCE OF EXCESSIVE MOVEMENT. FLASHING RIPPED, INSULATION TORN, APPROX 16"

EBD-3-H7 KRINKLING OF INSULATION ON WEST SIDE

EBD-3-H27 N-W SIDE INSULATION DENTED.

Pg 7 of 14

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints HL-203 G REV. D						REVISION NUMBER 0
EBD-3-H21	S	S	S	S	N/A	gls 6-14-85
EBD-3-H19	N/A	N/A	S	S	N/A	gls 6-14-85
EBD-3-H18	N/A	N/A	S	S	N/A	gls 6-14-85
EBD-3-H17	N/A	N/A	S	S	N/A	gls 6-14-85
EBD-3-H33	N/A	N/A	S	S	HYDRAULIC S	gls 6-14-85
EBD-3-H16	N/A	N/A	S	SEE REMARK	N/A	gls 6-14-85
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER	QCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints

HL-203G REV 0

REMARKS:

EBD-3-H16 HAS SHIFTED SOUTH $\approx 1"$
FOOT DOESN'T CONTACT SUPPORT AREA.

NOTE 1

EBD-3-H17 & EBD-3-H33 LOCATED IN ROPED OFF AREA

Pg 9 OF 14

QC Report # 85-M-51

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints DRAWING HL-203A REV.						REVISION NUMBER
						0.
C282	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
C282 DETAIL R1	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
C282 DETAIL R2	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
SR47	SAT	SEE REMARK	SAT	SAT	SAT	RJT 6/14/85
SR11	SAT	SAT	SAT	SAT	SAT	RJT 6/14/85
C288 DETAIL 6	SAT	SAT	SEE REMARKS	SAT	N/A	RJT 6/14/85
SR10	SAT	SAT	SAT	SAT	SAT SEE REMARKS	RJT 6/14/85
WR3	N/A	N/A	SAT	SEE REMARKS	N/A	RJT 6/14/85
SR12	SAT	REMARKS	SAT	SAT	SAT	RJT 6/14/85
C288 DETAIL 6	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
C288 DETAIL 6	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
SR 13	SAT	SAT	SAT	SAT	REMARKS	RJT 6/14/85
SR 17	N/A	N/A	SAT	SAT	REMARKS	RJT 6/14/85
3A-E07-1-H13	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
3A-E0D-1-H11	SAT	SAT	SAT	SAT	N/A	RJT 6/14/85
Hanger Mark #						
	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection					
	Step #5.1.2 Baseplate Inspection					
	Step #5.1.3 Thermal Insulation Inspection					
	5.1.4 Hanger Degradation Inspection					
	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection					
	Step #5.1.6 Inspector's Initials Date					

DRAWING
 HL 203C REV C

QC Report # 85-M-51

PAGE	4	OF	4
NUMBER	QCIP-037		
REVISION NUMBER	0		

TITLE	Gross Deficiency Indirect Inspection of Piping
Hangers, Supports, and Restraints	HL-203A

REMARKS:

SR 47 NW PLATE COSMETIC DAMAGE TO GROUT

C288 DL INSULATION PEELED BACK ON BOTH VERTICAL RODS
LINE SHIFTED \approx 2 IN LINEAR DIRECTION (WEST)

SR 10 SLIGHT LEAKAGE AT SNUBBER RESERVOIR

WR 3 SPACER BOLTS A490 ALL LOOSE EXCEPT 2

SR 12 WEST SIDE GROUT CRACKED APPEARS TO HAVE VOID

SR 13 TUBING FROM RESERVOIR TO SNUBBER LEAKING

SR 17 FITTING LEAKING DRAIN PLUG LEAKING

DWG 203A HANGERS SECTN C 289 THAN HANGS SR 16 COULD NOT

BE INSPECTED DUE TO NON-ACCESSIBILITY *not* July 6/14/95

Pg 11 of 14

TITLE						NUMBER
Gross Deficiency Indirect Inspection of Piping						QCIP-037
Hangers, Supports, and Restraints HL 203C REV 0						REVISION NUMBER 01
3A-EBD1-H1	N/A	N/A	SAT	SAT	N/A	RTA mod 6-14-85
3A-EBD1-H16	SAT	SAT	SAT	SAT	N/A	RTA mod 6-14-85
3A-EBD1-H2	N/A	N/A	SAT	SAT	N/A	RTA mod 6-14-85
3A-EBD1-H19	N/A	N/A	SAT	SAT	REMARKS SAT	RTA mod 6-14-85
3A-EBD1-H20	N/A	N/A	SAT	SAT	REMARKS	RTA mod 6-14-85
3A-EBD3-H2	N/A	N/A	SAT	REMARKS SAT	N/A	RTA mod 6-14-85
3A-EBD3-H3	N/A	N/A	SAT	REMARKS	N/A	RTA mod 6-14-85
3A-EBD3-H4	N/A	N/A	REMARKS	SAT	N/A	RTA mod 6-14-85
3A-EBD3-H5	N/A	N/A	REMARKS	SAT	N/A	RTA mod 6-14-85
3A-EBD3-H25	SAT	SAT	SAT	SAT	N/A	RTA mod 6-14-85
3A-EBD3-H23	N/A	N/A	REMARKS	SAT	N/A	RTA mod 6-14-85
3A-EBD3-H22	SAT	SAT	SAT	SAT	N/A	RTA mod 6-14-85
3A-EBD3-H34	N/A	N/A	SAT	SAT	SAT	RTA mod 6-14-85
3A-EBD3-H26	SAT	SAT	SAT	SAT	N/A	RTA mod 6-14-85
Hanger Mark #	Step #5.1.1 Anchor Bolt and Baseplate Interface Inspection	Step #5.1.2 Baseplate Inspection	Step #5.1.3 Thermal Insulation Inspection	5.1.4 Hanger Degradation Inspection	Step #5.1.5 Hydraulic/Mechanical Snubber and Spring Hanger Inspection	Step #5.1.6 Inspector's Initials Date

QC REPORT # 85-M-51

PAGE	4	OF	4
NUMBER	OCIP-037		
REVISION NUMBER	0		

TITLE

Gross Deficiency Indirect Inspection of Piping

Hangers, Supports, and Restraints HL 203 C / 203 G

REMARKS:

- H19 LOWER TOP CLAMP BOLT IS LOOSE
- H20 NORTH SIDE INNER CLAMP BOLT LOOSE
SNUBBER WILL NOT ROCK FREELY
- H2 SOUTH BOLT CARRIES NO BEARING
- H3 JAM NUT LOOSE ON NORTH STRUT
- H4 INSULATION ON NORTH SIDE WRINKLED
- H5 INSULATION BROKEN AT BANDING ON SOUTH SIDE
- H23 INSULATION SPLIT A BEND

Pg 13 OF 14

ATTACHMENT FOR CAUTION FOR QCIP-037

QC Report # 85-M-51

EQUIPMENT FREEZE

PG 14 OF 14

The following list of items ^{is} the licensee's proposal for continued quarantine:

1. MFP's Turbine and Controls
2. SFRCS and associated instrument channels
3. AuxFeed Pump Turbines and Controls
4. MSIVs including controls - Actuating Circuits, Pneumatic supplies
5. S/U Feed Valve SP-7A - and controls
6. Source Range instrument channels
7. Turbine Bypass Valve SP-13A2 - Any other components for which there is found an indication of water hammer damage
8. PORV & Controls and Actuation system
9. Main Steam Safety valves
10. AF 599 & 608 valves, Actuators and Controls

This item was released by the Fact-Finding Team:

1. SPDS

This item was added by the Fact-Finding Team:

1. SW Valve and Controls on AFW alternate supply

It is agreed that no work will be done in the proximity of, or on, this equipment.

- outside containment

The licensee agreed to complete a walkdown of the Main Steam System by appropriate personnel to identify any additional damage that may have been caused by water hammer.

The Fact-Finding Team stated that:

- (a) If required for safety, work shall proceed.
- (b) Surveillance Requirements of the Technical Specifications should be satisfied.
- (c) The team should be advised of any actions taken in the two areas above.

Bob

FFT has agreed to this clarification

W D Shaker 6-13-85 1:19 PM