

May 29, 2001

10 CFR Part 50  
Section 50.55a

U S Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

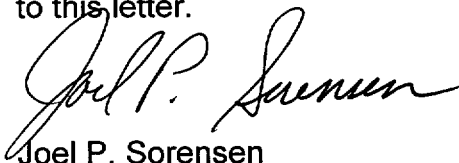
**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
Docket Nos. 50-282 License Nos. DPR-42  
50-306 DPR-60

Request for Relief No. 11 for the Unit 1 3rd 10-year Interval Inservice Inspection Program

On August 5, 1994 we submitted for review our third 10-year Inservice Inspection Examination Plan for Unit 1 and, on March 28, 1995, a response to a request for additional information to that plan. The NRC issued its evaluation of the 3rd 10-year Interval Program Plan on February 22, 1996.

The purpose of this letter is to submit a relief request for "limited examinations" associated with that plan. Attached is Unit 1 Relief Request No. 11 which addresses those limited examinations. We are requesting relief pursuant to 10 CFR Part 50, Section 50.55a(g)(5)(iii) due to the impracticality of obtaining "100%" examination coverage for the affected items.

In this letter we have made no new Nuclear Regulatory Commission commitments. Please contact Jack Leveille (651-388-1121, Ext. 4142) if you have any questions related to this letter.



Joel P. Sorensen  
Site Vice President  
Prairie Island Nuclear Generating Plant

c: (next page)

A047

USNRC  
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Page 2

NUCLEAR MANAGEMENT COMPANY, LLC

c: Regional Administrator - Region III, NRC (2 copies of attachment)  
Senior Resident Inspector, NRC  
NRR Project Manager, NRC  
J E Silberg (w/o attachment)  
Chief Boiler Inspector, State of MN  
P Fisher, Hartford Insurance

Attachment: ISI Relief Request No. 11 (Rev. 0), Limited Examination (37 pages)

ISI Relief Request No. 11 (Rev. 0)

Limited Examination

SYSTEM: Various  
Category: Various

Class: 1 and 2  
Item: Various

Impractical Examination Requirements:

ASME Section XI (1989 no addenda) Code requires full examination of inservice inspection (ISI) components per Table IWB-2500-1, and IWC-2500-1. Reg. Guide 1.147 endorses Code Case N-460, "Alternative Examination Coverage for Class 1 and Class 2 Welds." This code case allows greater than 90% coverage of a weld to meet the "essentially 100%" requirement.

NRC Information Notice 98-42 "Implementation of 10 CFR 50.55a(g) Inservice Inspection requirements" Dec. 1, 1998, states "The NRC has adopted and further refined the definition of "essentially 100 percent" to mean greater than 90 percent " in 10 CFR 50.55a(g)(6)(ii)(A)(2) for required examination coverage of reactor pressure vessel welds. This standard has been applied to all examination of welds or other areas required by ASME Section XI.

The Prairie Island construction permit was issued in 1967. This facility was designed and constructed with limited accessibility due to component configurations and/or physical barriers for which 100% coverage is not achievable on some ISI components examined for the Third Ten Year Interval.

Basis for Relief:

The following 10 CFR 50.55a paragraphs apply to the inservice inspection of components in accordance with the ASME Section XI code:

50.55a(g)(1): For a boiling or pressurized water-cooled nuclear power facility whose construction permit was issued prior to January 1, 1971, components (including supports) must meet the requirements of paragraphs (g) (4) and (5) of this section to the extent practical.

50.55a(g)(4): Throughout the service life of a boiling or pressurized water-cooled nuclear power facility, components (including supports) which are classified as ASME Code Class 1, Class 2, and Class 3 must meet the requirements, except design and access provisions and pre-service examination requirements, set forth in Section XI of editions of the ASME Boiler and Pressure Vessel Code ... to the extent practical within the limitations of design, geometry and materials of construction of the components.

50.55a(g)(5)(iv): Where an examination requirement by the code or addenda is determined to be impractical by the licensee and is not included in the revised inservice inspection program as

permitted by paragraph (g)(4) of this section, the basis for this determination must be demonstrated to the satisfaction of the Commission ...

Prairie Island was designed and constructed prior to development of ASME XI , therefore design for accessibility and inspection coverage is not in many cases, sufficient to permit satisfying the current Code requirements. Limitations to inspections are primarily due to obstructions and interference.

Summary of the limited examinations are described below and also included in Table 1.

**Part A: Category B-J, "Pressure Retaining Welds in Piping"**

Reactor Coolant, Weld W-6, (Pipe to Elbow), Iso/Dwg ISI-2, Summary No. 300130, 75% Coverage volumetric examination. Single side examination only due to pipe configuration.

Reactor Coolant, Weld W-1, (RC pump to Pipe), Iso/Dwg ISI-12C, Summary No. 300514, 38.85% Coverage volumetric examination. Single side examination only due to pump to pipe configuration

**Part B: Category C-A , "Pressure Retaining Welds in Pressure Vessels".**

#12 Steam Generator, Weld W-E, (Shell –Transition), Iso/Dwg ISI-43B, Summary No. 301070, 70.88% Coverage volumetric examination. Restraint ring prohibits scanning from downstream side of weld.

RHR Heat Exchanger #12, Weld W-2 , (Shell –Flange) Iso/Dwg ISI-93B, Summary No. 303054, 27.26% Coverage volumetric examination. Weld geometry limits scans.

**Part C: Category C-C "Integral attachments for Vessels, Piping, Pumps and Valves"**

Main Steam "A", Integral Attachment Welds, Hanger H-1, Iso/Dwg ISI-51A, Summary No.301122, 69.6% Coverage surface examination. Limited by configuration.

Main Steam "A", Integral Attachment Welds, Hanger H-2, Iso/Dwg ISI-51A, Summary No. 301132, 83.5% Coverage surface examination. Limited by configuration.

Main Steam "A", Integral Attachment Welds, Hanger H-4, Iso/Dwg ISI-51A, Summary No. 301134, 69.6% Coverage surface examination. Limited by configuration.

Main Steam "A", Integral Attachment Welds, Hanger H-3, Iso/Dwg ISI-51A, Summary No. 302963, 83.5% Coverage surface examination. Limited by configuration.

Main Steam "A", Integral Attachment Welds, Hanger H-1 , Iso/Dwg ISI-51B, Summary No. 301177, 0% Coverage surface examination. Inaccessible by Guard Pipe.

Main Steam "B", Integral Attachment Welds, Hanger H-8, Iso/Dwg ISI-68A, Summary No. 301589, 0% Coverage surface examination. Inaccessible by Guard Pipe.

Main Steam "B", Integral Attachment Welds, Hanger H-5, Iso/Dwg ISI-68A, Summary No. 301591, 0% Coverage surface examination. Inaccessible by Guard Pipe.

Main Steam "B", Integral Attachment Welds, Hanger H-6, Iso/Dwg ISI-68A, Summary No. 301593, 0% Coverage surface examination. Inaccessible by Guard Pipe.

Main Steam "B", Integral Attachment Welds, Hanger H-3, Iso/Dwg ISI-68A Summary No. 301596, 69.6% Coverage surface examination. Limited by configuration.

Feedwater Loop "B", Integral Attachment Welds, Hanger H-8, Iso/Dwg ISI-69, Summary No. 301704, 0% Coverage surface examination. Inaccessible by Guard Pipe.

Feedwater Loop "B", Integral Attachment Welds, Hanger H-5, Iso/Dwg ISI-69, Summary No. 301706, 0% Coverage surface examination. Inaccessible by Guard Pipe.

Feedwater Loop "A", Integral Attachment Welds, Hanger H-7, Iso/Dwg ISI-52, Summary No. 301258, 81.3% Coverage surface examination. Inaccessible due to floor penetration.

SI Pump #11, Integral Attachment Welds, Support H-1, Iso/Dwg ISI-83C, Summary No. 302066, 84.00% Coverage surface examination. Limited by configuration.

SI Pump #11, Integral Attachment Welds, Support H-2, Iso/Dwg ISI-83C, Summary No. 302070, 84.00% Coverage surface examination. Limited by configuration.

SI Pump #11, Integral Attachment Welds, Support H-3, Iso/Dwg ISI-83C, Summary No. 302074, 84.00% Coverage surface examination. Limited by configuration.

SI Pump #11, Integral Attachment Welds, Support H-4, Iso/Dwg ISI-83C, Summary No. 302078, 84.00% Coverage surface examination. Limited by configuration.

SI Pump #11, Integral Attachment Welds, Support H-5, Iso/Dwg ISI-83C, Summary No. 302082, 71.4% Coverage surface examination. Limited by configuration.

SI Pump #11, Integral Attachment Welds, Support H-6, Iso/Dwg ISI-83C, Summary No. 302086, 71.4% Coverage surface examination. Limited by configuration.

#12 RHR Heat Exchanger, Integral Attachment Welds, Support H-2, Iso/Dwg ISI-93B, Summary No. 303052, 71.4% Coverage surface examination. Limited by configuration.

**Part D: C-F-1 "Pressure retaining welds in austenitic stainless steel or high alloy piping"**

RHR Pump "B" Discharge , Weld W-14 (Pipe to Penetration), Iso/Dwg ISI-89B Summary No. 301858, 0% Coverage volumetric and surface examination. Inaccessible due to penetration sleeve.

RHR Pump "B" Discharge , Weld W-18 (Tee-Valve), Iso/Dwg ISI-89B ,Summary No. 301874, 49.2% Coverage volumetric examination. Single side examination due to tee to valve configuration.

SI Test Return, Weld W-1, Iso/Dwg ISI-101(Weldolet to Pipe), Summary No. 305137, 39.18% Coverage volumetric examination. Limited due to weld crown configuration.

**Part E: C-F-2 " Pressure retaining welds in carbon or low alloy steel"**

Main Steam "B", Weld W-9LSD2U (Tee –Pipe), Iso/Dwg ISI-68C, Summary No. 301619, 87.6% Coverage surface examination. Limited due to nozzle configuration.

Additional Means of Establishing Integrity:

System pressure tests are performed during regular inspection intervals to ensure the piping system is capable of maintaining pressure integrity. System integrity is monitored continuously during normal operation by many direct and indirect methods, e.g., containment radiation monitoring, containment air monitoring, containment sump monitoring, containment temperature monitoring, system walk downs, etc.

Alternate Examination:

The limitations have been noted on the ISI examination reports and are included in the ISI Outage Summary Report. Prairie Island will continue to document the limitations.

All in-service inspection at Prairie Island Unit 1 have been done to the greatest extent practical. When limitation to required inspections are encountered Metal and Material Resources procedure ISI-LTS-1 is applied which requires alternative examination techniques be considered, or applied to gain the maximum obtainable inspection coverage practical. In all of the above items identified this procedure was used and the maximum inspection coverage was achieved.

Limitations are due to design, geometry, and materials of construction of the components or ALARA concerns. Prairie Island will continue to utilize the most current techniques available for future examinations.

Table 1: Limited Examinations-Prairie Island Unit 1 –2001 Refueling Outage.

Category	Item No.	SYSTEM	ISO	ITEM	Description/ Summary #	Method	% Coverage	REPORT	Limitation
B-J	B 9.11	Reactor Coolant	ISI-2	W-6	Pipe-Elbow 300130	Volumetric	75.00	2001U004	(PDI )Single Sided Examination due to pipe configuration. (Page 10 of 37)
B-J	B 9.11	Reactor Coolant	ISI-12C	W-1	Reactor Coolant Pump to Pipe 300514	Volumetric	38.85	2001U039	(PDI )Single Sided Examination due to pump to pipe configuration. (Page 11 Of 37)
C-A	C1.10	STEAM GENERATOR #12	ISI-43B	W-E	Shell-Transition 301070	Volumetric	70.88	2001U010	Due to weld configuration. (Page 12 of 37)
C-A	C1.10	RHR Heat Exchanger #12	ISI-93B	W-2	Shell –Flange 303054	Volumetric	27.26	2001U029	Weld geometry limits scan (Page 13 of 37)
C-C	C3.20	Main Steam "A"	ISI-51A	H-1	Seismic Restraint (Integral attachment Weld) 301122	Surface	69.6	2001M011	Examination limited to 188" weld length out of 270" total weld length due to configuration of restraint (Page 14 of 37)
C-C	C3.20	Main Steam "A"	ISI-51A	H-2	Seismic Restraint (Integral attachment Weld) 301132	Surface	83.5	2001M010	Examination limited to 76" weld length out of 91" total weld length due to configuration of restraint (Page 15 of 37)



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C-C	C3.20	Main Steam "A"	ISI-51A	H-4	Seismic Restraint (Integral attachment Weld) 301134	Surface	69.6	2001M013	Examination limited to 188" weld length out of 270" total weld length due to configuration of restraint (Page 16 of 37)
C-C	C3.20	Main Steam "A"	ISI-51B	H-1	Bear'g Brake Assembly (Integral attachment Weld) 301177	Surface	0	2001M019	Welded attachments inaccessible due to Guard piping install around welds. (Page 17 of 37)
C-C	C3.20	Main Steam "A"	ISI-51A	H-3	Seismic Restraint (Integral attachment Weld) 302963	Surface	83.5	2001M012	Examination limited to 76" weld length out of 91" total weld length due to configuration of restraint (Page 18 of 37)
C-C	C3.20	Main Steam "B"	ISI-68A	H-8	Seismic Restraint (Integral attachment Weld) 301589	Surface	0	2001M008	Welded attachments inaccessible due to Guard piping install around welds (Page 19 of 37)
C-C	C3.20	Main Steam "B"	ISI-68A	H-5	Bear'g Brake Assembly (Integral attachment Weld) 301591	Surface	0	2001M007	Welded attachments inaccessible due to Guard piping install around welds. (Page 20 of 37)
C-C	C3.20	Main Steam "B"	ISI-68A	H-6	Bear'g Brake Assembly (Integral attachment Weld) 301593	Surface	0	2001M006	Welded attachments inaccessible due to Guard piping install around welds. (Page 21 of 37)

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C-C	C3.20	Main Steam "B"	ISI-68A	H-3	Seismic Restraint (Integral attachment Weld) 301596	Surface	69.6	2001M017	Examination limited to 188" weld length out of 270" total weld length due to configuration of restraint (Page 22 of 37)
C-C	C3.20	Feedwater Loop "B"	ISI-69	H-8	Anchor Elbow Restraint (Integral attachment Weld) 301704	Surface	0	2001M004	Welded attachments inaccessible due to Guard piping install around welds. (Page 23 of 37)
C-C	C3.20	Feedwater Loop "B"	ISI-69	H-5	Anchor Elbow Restraint (Integral attachment Weld) 301706	Surface	0	2001M003	Welded attachments inaccessible due to Guard piping install around welds. (Page 24 of 37)
C-C	C3.20	Feedwater Loop "A"	ISI-52	H-7	Bear'g Brake Assembly (Integral attachment Weld) 301258	Surface	81.3	2001M034	Welded attachments inaccessible due to floor penetration. (Page 25 of 37)
C-C	C3.30	SI PUMP 11	ISI-83C	H-1	Support A 302066	Surface	84.00	2001M028	Configuration prohibits examining weld at base of support. (Page 26 of 37)
C-C	C3.30	SI PUMP 11	ISI-83C	H-2	Support B 302070	Surface	84.00	2001M027	Configuration prohibits examining weld at base of support. (Page 27 of 37)
C-C	C3.30	SI PUMP 11	ISI-83C	H-3	Support C 302074	Surface	84.00	2001M026	Configuration prohibits examining weld at base of support. (Page 28 of 37)

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EXAMINATION PLAN

C-C	C3.30	SI PUMP 11	ISI-83C	H-4	Support D 302078	Surface	84.00	2001M025	Configuration prohibits examining weld at base of support. (Page 29 of 37)
C-C	C3.30	SI PUMP 11	ISI-83C	H-5	Support E 302082	Surface	71.4	2001M030	Configuration prohibits examining weld at inside of support. (Page 30 of 37)
C-C	C3.30	SI PUMP 11	ISI-83C	H-6	Support F 302086	Surface	71.4	2001M024	Configuration prohibits examining weld at inside of support. (Page 31 of 37)
C-C	C3.20	#12 RHR Heat Exchanger	ISI-93B	H-2	Support 303052	Surface	71.4	2001P056	Bottom of Support is inaccessible for removal work and mill scale. (Page 32 of 37)
C-F-1	C5.11	RHR Pump "B" Discharge	ISI-89B	W-14	Pipe to Penetration 10. 301858	Volumetric Surface	0	2001U040 2001P070	Weld inaccessible due to penetration sleeve and welded restraint. (Page 33, and 34, of 37)
C-F-1	C5.11	RHR Pump "B" Discharge	ISI-89B	W-18	Tee-Valve 301874	Volumetric	49.2	2001U013	(PDI )Single Sided Examination due to tee to valve configuration. (Page 36 of 37)
C-F-1	C5.21	SI Test Return	ISI-101	W-1	Weldolet to Pipe 305137	Volumetric	39.18	2001U034	(PDI )Single Sided Examination due to Weld Crown configuration. (Page 35 of 37)
C-F-2	C5.50	Main Steam "B"	ISI-68C	W-9 LSD2U	Tee-Pipe 301619	Surface	87.6	2001M016	31.2 Sq. in. of 252 Sq. in. limited due to nozzle configuration (Page 37 of 37)



### Limitation Record

Report No.: 2001U004

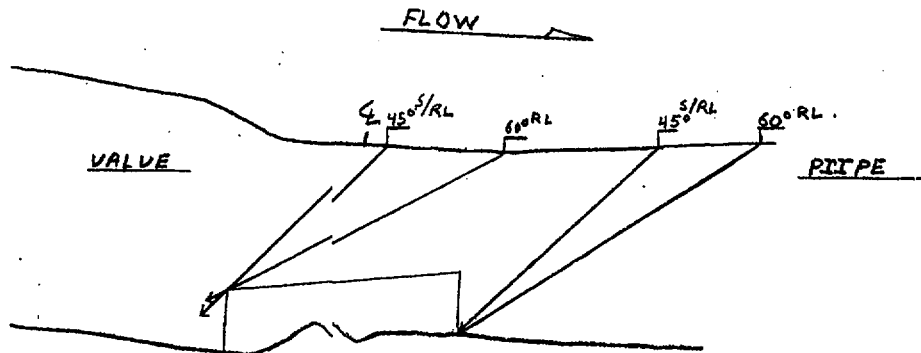
Site/Unit: NSP / P11 Procedure: ISI-UT-16A  
Summary No.: 300130 F Procedure Revision/FC: 0 /  
Examination For: ISI Work Order No.: 0010296

F Page: 4 of 5

**Description of Limitation:**

**Single side access due to valve to pipe configuration.**

Sketch of Limitation: G:\IDEAL50\PI1RFO200\01\UT - Supplemental\2001U004-2.bmp



**Limitations removal requirements:**

60 mR/hr

**Radiation field:**

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.		<i>[Signature]</i>	1/25/2001	Halling, David A.	<i>[Signature]</i>	1/28/01
Examiner	Level N/A	Signature	Date	Site Review	Signature	Date
N/A				Clay, Sean P.	<i>[Signature]</i>	1/29/01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A				Clow, Ron	<i>[Signature]</i>	1/30/01



### Supplemental Report

Report # No.: 2001U039

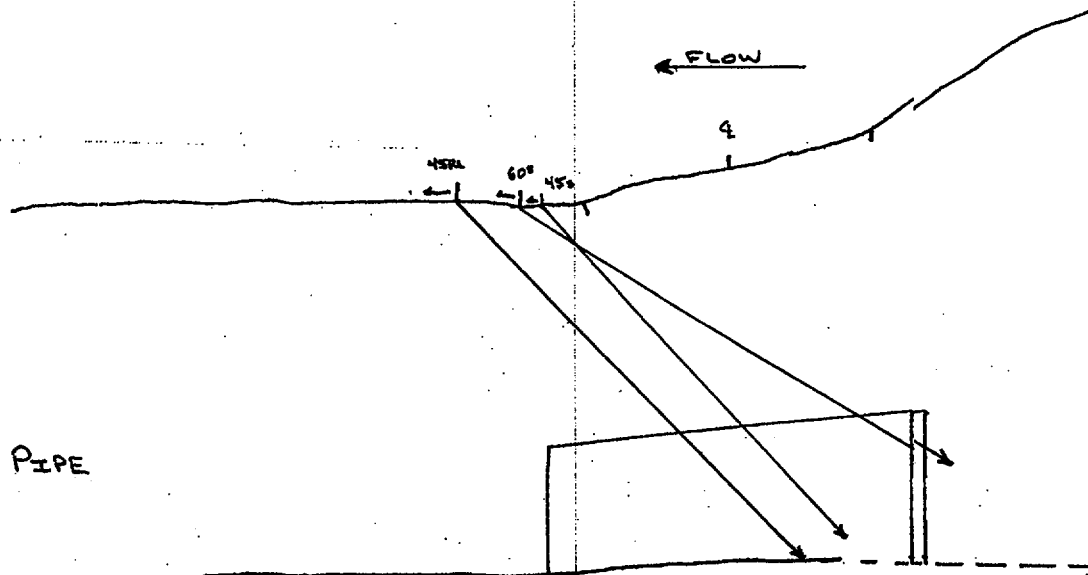
PPage: 2 of 3

Summary No.: 300514

Examiner: <u>Potter, Michael E.</u>	LiLevel: <u>II</u>	Reviewer: <u>Halling, David A.</u>	Date: <u>2/16/01</u>
Examiner: <u>Coburn, Timothy M.</u>	LiLevel: <u>II</u>	Site Review: <u>Clay, Sean P.</u>	Date: <u>2/16/01</u>
Other: <u>N/A</u>	LiLevel: <u>N/A</u>	ANII Review: <u>Clow, Ron</u>	Date: <u>2/19/01</u>

Comments: None

Sketch or Photo: G:\DDEAL50\PI1RFO2001\UT - Supplemental\2001U039-1.bmp





Supplemental Report

Report No.: 2001U010

Page: 5 of 5

Summary No.: 301070

Examiner: Griebel, David M.

L Level: II

Reviewer: Halling, David A.

Date: 2/3/01

Examiner: N/A

L Level: N/A

Site Review: Clay, Sean P.

Date: 2/3/01

Other: N/A

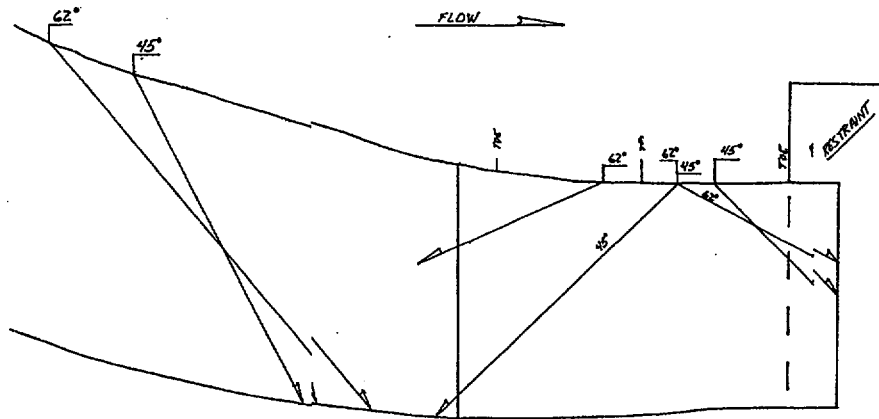
L Level: N/A

ANII Review: Clow, Ron

Date: 2/5/01

Comments: Examination Coverage Plot - Scale 2:1

Sketch or Photo: G:\DDEAL50\PI1\RFO2001\UT - Supplemental\2001U010-2.bmp





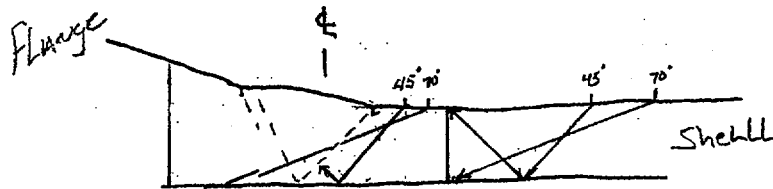
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Site/Unit: <u>NSP / P11</u>	Procedure: <u>ISI-UT-16</u>	Report No.: <u>2001U029</u>
Summary No.: <u>303054</u>	F Procedure Revision/FC: <u>13 /</u>	P Page: <u>6</u> of <u>6</u>
Examination For: <u>ISI</u>	Work Order No.: <u>0010296</u>	

Description of Limitation:

Coverage Plot

Sketch of Limitation: G:\DDEAL50\PI1RFO200101\UT - Supplemental\2001U029-2.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level	II	Signature	Date	Reviewer	Signature	Date
Johnson, Jeffery M.	/		<i>[Signature]</i>	2/6/2001	Auer, Robert G.	<i>[Signature]</i>	2-17-01
Examiner	Level	II	Signature	Date	Site Review	Signature	Date
Halling, David A.	/		<i>[Signature]</i>	2/6/2001	Clay, Sean P.	<i>[Signature]</i>	2/17/01
Other	Level	N/A	Signature	Date	ANII Review	Signature	Date
N/A	/				Clow, Ron	<i>[Signature]</i>	2/14/01



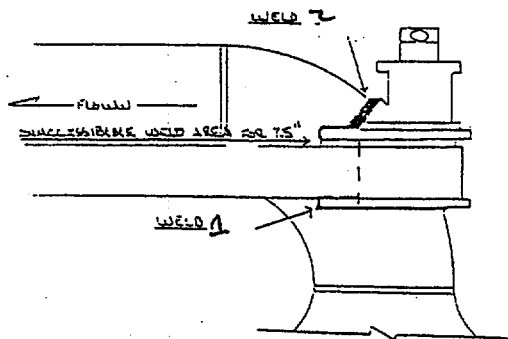
# Limitation Record

Site/Unit:	NSP / P11	Procedure:	ISI-MT-1	Report No.:	2001M011
Summary No.:	301122	Procedure Revision/FC:	11 /	Page:	2 of 3
Examination For:	ISI	Work Order No.:	0010296		

## Description of Limitation:

Examination limited to 188" weld length out of 2270" total weld length due to configuration of restraint.

Sketch of Limitation: G:\IDEAL50\PI1RFO20X001\MT - Supplemental\2001M011-1.bmp



## Limitations removal requirements:

N/A

Radiation field: <2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.	/	<i>[Signature]</i>	2/6/2001	Halling, David A.	<i>[Signature]</i>	2/8/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Potter, Michael E.	/	<i>[Signature]</i>	2/6/2001	Wren, Jerry P.	<i>[Signature]</i>	2-10-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>[Signature]</i>	2/10/01





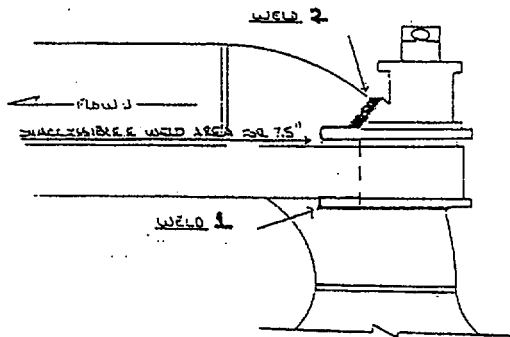
### Limitation Record

Site/Unit:	<u>NSP / P11</u>	Procedure:	<u>ISI-MT-1</u>	Report No.:	<u>2001M010</u>
Summary No.:	<u>301132</u>	F Procedure Revision/FC:	<u>11 /</u>	F Page:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

Description of Limitation:

Examination limited to 76" weld length out of 91" total weld length due to configuration of restraint.

Sketch of Limitation: G:\IDDEAL50\PI1RFO200101\WT - Supplemental\2001M010-1.bmp



Limitations removal requirements:  
N/A

Radiation field: <2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.	/	<i>[Signature]</i>	2/6/2001	Halling, David A.	<i>[Signature]</i>	2/8/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Potter, Michael E.	/	<i>[Signature]</i>	2/6/2001	Wren, Jerry P.	<i>[Signature]</i>	2-10-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>[Signature]</i>	2/16/01



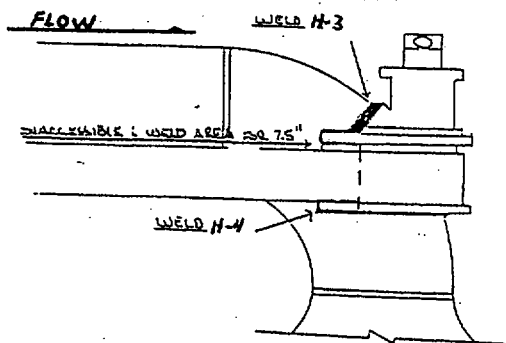
### Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-MT-1</u>	Report # No.:	<u>2001M013</u>
Summary No.:	<u>301134</u>	P Procedure Revision/FC:	<u>11 /</u>	P Page:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

**Description of Limitation:**

Examination limited to 188" weld length out of 277'0" total weld length due to configuration of restraint.

Sketch of Limitation: G:\IDDEAL50\PI1\RFO2001\1\MT - Supplemental\2001M013-1.bmp



**Limitations removal requirements:**

None

Radiation field: <2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.	/	<i>[Signature]</i>	2/6/2001	Halling, David A.	<i>[Signature]</i>	2/9/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Potter, Michael E.	/	<i>[Signature]</i>	2/6/2001	Wren, Jerry P.	<i>[Signature]</i>	2-10-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>[Signature]</i>	2/10/01



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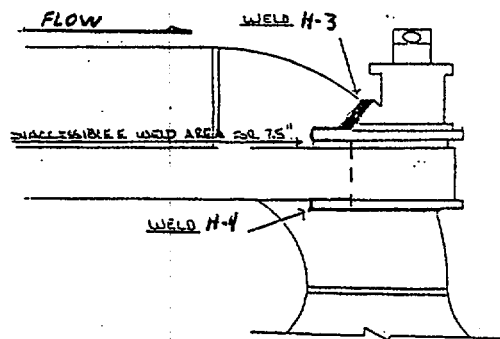
Report No.: 2001M012

Site/Unit: NSP / P1 Procedure: ISI-MT-1 F Page: 2 of 3  
Summary No.: 302963 F Procedure Revision/FC: 11 /  
Examination For: ISI Work Order No.: 0010296

## Description of Limitation:

Examination limited to 76" weld length out of 91" total weld length due to configuration of restraint.

Sketch of Limitation: G:\DDEAL50\PI1RFO200101\MT - Supplemental\2001M012-1.bmp



## Limitations removal requirements:

None

Radiation field: <2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.	/	<i>[Signature]</i>	2/6/2001	Halling, David A.	<i>[Signature]</i>	2/8/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Potter, Michael E.	/	<i>[Signature]</i>	2/6/2001	Wren, Jerry P.	<i>[Signature]</i>	2-10-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>[Signature]</i>	2/10/01



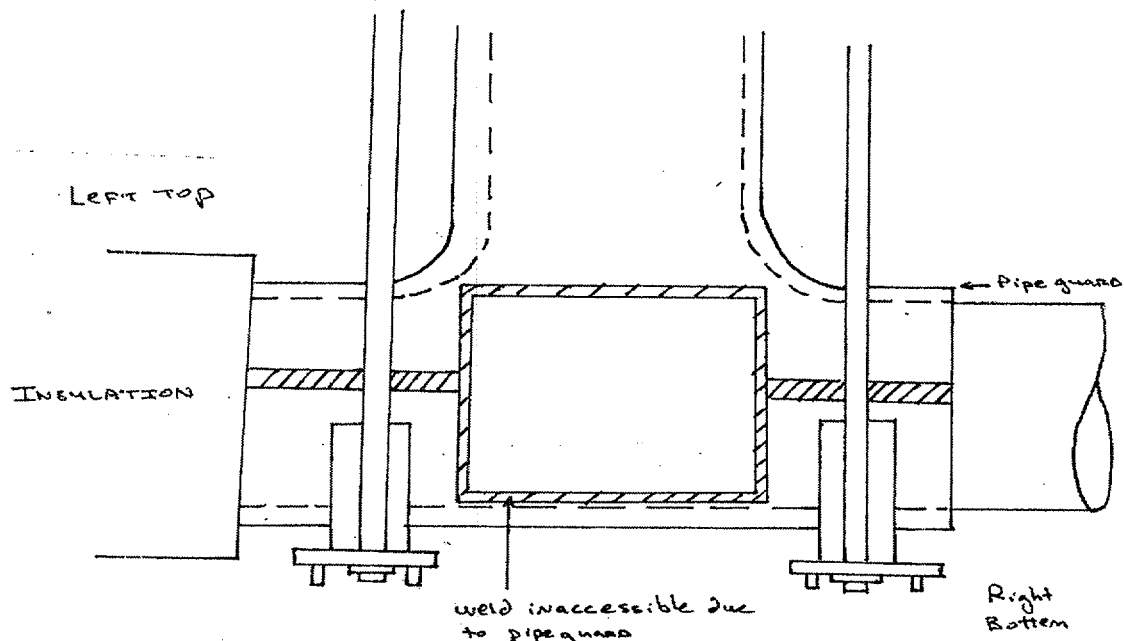
# Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-MT-1</u>	Report No.:	<u>2001M019</u>
Summary No.:	<u>301177</u>	Procedure Revision/FC:	<u>11 /</u>	Page:	<u>4</u> of <u>4</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

Description of Limitation:

In Guard Pipe - 0% Coverage.

Sketch of Limitation: G:\IDEAL50\PI1RFO2001\MT - Supplemental\2001M019-3.bmp



Limitations removal requirements:

None

Radiation field: < 2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Potter, Michael E.	/	<i>Michael E. Potter</i>	2/8/2001	Halling, David A.	<i>David A. Halling</i>	2/14/01
Examiner	Level N/A	Signature	Date	Site Review	Signature	Date
N/A	/			Wren, Jerry P.	<i>Jerry P. Wren</i>	2-16-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>Ron Clow</i>	2/16/01



### Supplemental Report

Report No.: 2001M008

Page: 2 of 2

Summary No.: 301589

Examiner: Halling, David A.

Level: III

Reviewer: Auer, Robert G.

Date: 2-20-01

Examiner: N/A

Level: N/A

Site Review: Whitcomb, Daniel

Date: 2-20-01

Other: N/A

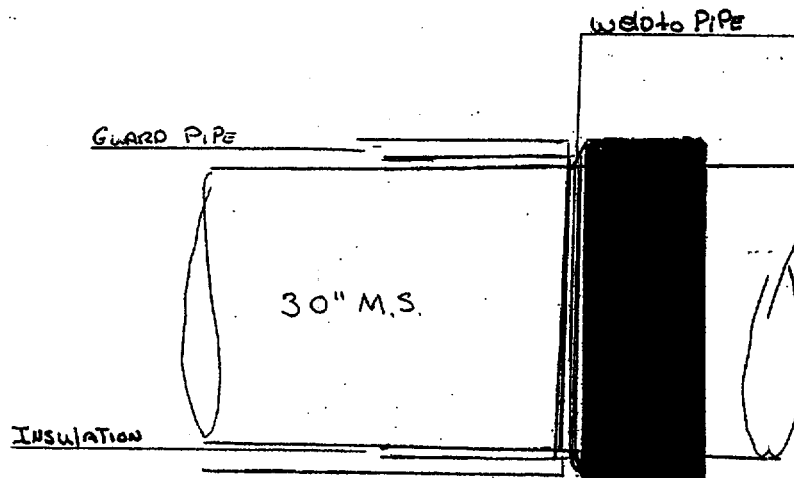
Level: N/A

ANII Review: Clow, Ron

Date: 2/20/01

Comments: Weld to pipe obstructed by g guard pipe and insulation.

Sketch or Photo: G:\IDDEAL50\PI1RFO2001\MT - S\Supplemental\2001M008-1.bmp





### Magnetic Particle Examination

Site/Unit: <u>NSP / PI1</u>		Procedure: <u>ISI-MT-1</u>		Report No.: <u>2001M007</u>	
Summary No.: <u>301591</u>		F Procedure Revision/FC: <u>11 /</u>		I Page: <u>1</u> of <u>1</u>	
Examination For: <u>ISI</u>		Work Order No.: <u>0010296</u>			

---

Applicable Code: <u>1989</u>	ISO Drawing No.: <u>ISI-68A</u>	Location: <u>Containment</u>
Description: <u>BEAR'G BRAK ASSY / 3</u>		
System ID: <u>MS</u>		
Component ID: <u>H-5</u>	Size/Le. length: <u>30"</u>	
Limitations: <u>No access due to guard pipinng.</u>		

---

Light Meter Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>	Illumination: <u>N/A</u> uw/cm <sup>2</sup>
Temp. Tool Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>	Surface Temp.: <u>N/A</u> °F
Gray Card (if used): <u>Not Used</u>	Cal Blolock Serial No.: <u>N/A</u>	Surface Condition: <u>N/A</u>
Lo Location: <u>N/A</u>	Field Orientation: <u>N/A</u>	

**Magnetic Particle Material**

Brand: _____	Wet <input type="checkbox"/>	Mixed: Yes <input type="checkbox"/>	Applied d By: Dusting <input type="checkbox"/>
Type: _____	Dry <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Spraying <input type="checkbox"/>
Batch No.: _____	Fluorescent <input type="checkbox"/>	With: <u>N/A</u>	Flooding <input type="checkbox"/>

Equipment: \_\_\_\_\_ Serial No.: \_\_\_\_\_

Head Shot <input type="checkbox"/>	<u>N/A</u> Amperes	Fixed Spacing <input type="checkbox"/>	AC <input type="checkbox"/> DC <input type="checkbox"/>
Adj. Spacing <input type="checkbox"/>	<u>N/A</u> inches	Encircling Coils <input type="checkbox"/>	<u>N/A</u> Turns
Prods. Spacing <input type="checkbox"/>	<u>N/A</u> inches	Current (machine setting) <input type="checkbox"/>	<u>N/A</u> Amperes

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks

Comments:  
**Examination not performed due to protective guard piping.**

Results: NAD ☒ IND ☐

Percent Of Coverage Obtained > 90%: No Reviewed Previous Data: No

Examiner	Level	Signature	Date	Reviewer	Signature	Date
Johnson, Jeffery M.	II	<i>[Signature]</i>	1/31/2001	Halling, David A.	<i>[Signature]</i>	2/9/01
Examiner	Level	Signature	Date	Site Review	Signature	Date
N/A	N/A	<i>[Signature]</i>		Whitcomb, Daniel	<i>[Signature]</i>	2/9/01
Other	Level	Signature	Date	ANII Review	Signature	Date
N/A	N/A	<i>[Signature]</i>		Clow, Ron	<i>[Signature]</i>	2/10/01



### Magnetic Particle Examination

Site/Unit: <u>NSP / P11</u>		Procedure: <u>ISI-MT-1</u>		Report No.: <u>2001M006</u>	
Summary No.: <u>301593</u>		Procedure Revision/FC: <u>11 /</u>		Page: <u>1</u> of <u>1</u>	
Examination For: <u>ISI</u>		Work Order No.: <u>0010296</u>			

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Applicable Code: <u>1989</u>	ISO Drawing No.: <u>ISI-68A</u>	Location: <u>Containment</u>
Description: <u>BEAR'G BRAK ASSY / 3</u>		
System ID: <u>MS</u>		
Component ID: <u>H-6</u>	Size/Length: <u>30"</u>	
Limitations: <u>No access due to guard piping.</u>		

---

Light Meter Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>	Illumination: <u>N/A</u> uw/cm <sup>2</sup>
Temp. Tool Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>	Surface Temp.: <u>N/A</u> °F
Gray Card (if used): <u>Not Used</u>	Cal Block Serial No.: <u>N/A</u>	Surface Condition: <u>N/A</u>
Lo Location: <u>N/A</u>	Field Orientation: <u>N/A</u>	

---

**Magnetic Particle Material**

Brand: _____	Wet <input type="checkbox"/>	Mixed: Yes <input type="checkbox"/>	Applied By: _____	Dusting <input type="checkbox"/>
Type: _____	Dry <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Spraying <input type="checkbox"/>
Batch No.: _____	Fluorescent <input type="checkbox"/>	With: <u>N/A</u>		Flooding <input type="checkbox"/>

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Equipment: <u>N/A</u>	Serial No.: _____
Head Shot <input type="checkbox"/> <u>N/A</u> Amperes	Fixed Spacing <input type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/>
Adj. Spacing <input type="checkbox"/> <u>N/A</u> inches	Encircling Coils <input type="checkbox"/> <u>N/A</u> Turns
Prods. Spacing <input type="checkbox"/> <u>N/A</u> inches	Current (machine setting) <input type="checkbox"/> <u>N/A</u> Amperes

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Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks

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Comments:  
**Examination not performed due to protective guard piping.**

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Results: NAD ☒ IND ☐

Percent Of Coverage Obtained > 90%: No

Reviewed Previous Data: No

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Examiner Level II	Signature	Date	Reviewer	Signature	Date
Johnson, Jeffery M.	<i>[Signature]</i>	1/31/2001	Halling, David A.	<i>[Signature]</i>	2/19/01
Examiner Level N/A	Signature	Date	Site Review	Signature	Date
N/A	<i>[Signature]</i>		Whitcomb, Daniel	<i>[Signature]</i>	2-09-2001
Other Level N/A	Signature	Date	ANIL Review	Signature	Date
N/A	<i>[Signature]</i>		Clow, Ron	<i>[Signature]</i>	2/19/01



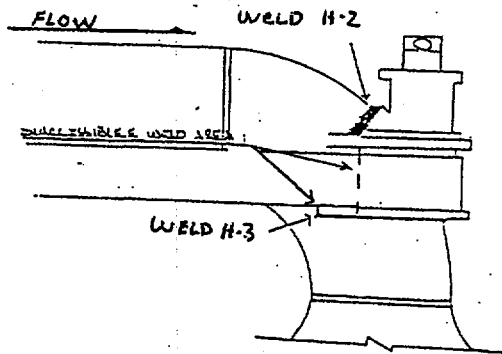
### Limitation Record

Site/Unit:	NSP / P11	Procedure:	ISI-MT-1	Report No.:	2001M017
Summary No.:	301596	Procedure Revision/FC:	11 /	I Page:	2 of 2
Examination For:	ISI	Work Order No.:	0010296		

**Description of Limitation:**

Examination limited to 188" weld length out of 2270" total weld length due to configuration of restraints.

Sketch of Limitation: G:\IDDEAL50\P11RFO200\01\MT - Supplemental\2001M017-1.bmp



**Limitations removal requirements:**

None

Radiation field: < 2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Gahan, Timothy		<i>Timothy Gahan</i>	2/7/2001	Halling, David A.	<i>David A. Halling</i>	2/10/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Timm, Jeremy T.		<i>Jeremy T. Timm</i>	2/7/2001	Wren, Jerry P.	<i>Jerry P. Wren</i>	2-10-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A				Clow, Ron	<i>Ron Clow</i>	2/10/01





### Magnetic Particle Examination

Report No.: 2001M004  
 Site/Unit: NSP / PH Procedure: ISI-MT-1 Page: 1 of 1  
 Summary No.: 301704 Procedure Revision/FC: 11 /  
 Examination For: ISI Work Order No.: 0010296

Applicable Code: 1989 ISO Drawing No.: ISI-69 Location: Containment  
 Description: ANCHOR ELBOW  
 System ID: FW  
 Component ID: H-8 Size/L.Length: 16"  
 Limitations: Anchor covered by guard piping.

Light Meter Mfg.: N/A Serial No.: N/A Illumination: N/A uw/cm<sup>2</sup>  
 Temp. Tool Mfg.: N/A Serial No.: N/A Surface Temp.: N/A °F  
 Gray Card (if used): Not Used Cal Block Serial No.: N/A Surface Condition: N/A  
 Lo Location: N/A Field Orientation: NN/A

#### Magnetic Particle Material

Brand: N/A Wet ☐ Mixed: Yes ☐ Applied By: Dusting ☐  
 Type: N/A Dry ☐ No ☒ Spraying ☐  
 Batch No.: N/A Fluorescent ☐ With: N/A Flooding ☐  
 Equipment: N/A Serial No.: N/A  
 Head Shot ☐ 4 Amperes Fixed Spacing ☐ AC ☐ DC ☐  
 Adj. Spacing ☐ inches Encircling Coils ☐ N/A Turns  
 Prods. Spacing ☐ inches Current (machine setting) ☐ N/A Amperes

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks

Comments:  
 Examination could not be performed due to protective guard piping.

Results: NAD ☒ IND ☐

Percent Of Coverage Obtained > 90%: No

Reviewed Previous Data: No

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Johnson, Jeffery M.	/	<i>Jeffery M. Johnson</i>	1/30/2001	Halling, David A.	<i>David A. Halling</i>	2/1/01
Examiner	Level N/A	Signature	Date	Site Review	Signature	Date
N/A	/			Whitcomb, Daniel	<i>Daniel Whitcomb</i>	2-4-2001
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>Ron Clow</i>	2/5/01



### Magnetic Particle Examination

Site/Unit: <u>NSP / P11</u>		Procedure: <u>ISI-MT-1</u>		Report No.: <u>2001M003</u>	
Summary No.: <u>301706</u>		F Procedure Revision/FC: <u>11 /</u>		Page: <u>1</u> of <u>1</u>	
Examination For: <u>ISI</u>		Work Order No.: <u>0010296</u>			

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Applicable Code: <u>1989</u>	ISO Drawing No.: <u>ISI-69</u>	Location: <u>Containment</u>
Description: <u>ANCHOR ELBOW</u>		
System ID: <u>FW</u>		
Component ID: <u>H-5</u>	Size/Length: <u>16"</u>	
Limitations: <u>Anchor covered by guard pipping.</u>		

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Light Meter Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>	Illumination: <u>N/A</u> uw/cm <sup>2</sup>
Temp. Tool Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>	Surface Temp.: <u>N/A</u> °F
Gray Card (if used): <u>Not Used</u>	Cal Block Serial No.: <u>N/A</u>	Surface Condition: <u>N/A</u>
Lo Location: <u>N/A</u>	Field Orientation: <u>N/A</u>	

---

**Magnetic Particle Material**

Brand: <u>N/A</u>	Wet <input type="checkbox"/>	Mixed: Yes <input type="checkbox"/>	Applied By: <u>Dusting</u> <input type="checkbox"/>
Type: <u>N/A</u>	Dry <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Spraying <input type="checkbox"/>
Batch No.: <u>N/A</u>	Fluorescent <input type="checkbox"/>	With: <u>N/A</u>	Flooding <input type="checkbox"/>
Equipment: <u>N/A</u>	Serial No.: <u>N/A</u>		
Head Shot <input type="checkbox"/> <u>A</u> Amperes	Fixed Spacing <input type="checkbox"/>	AC <input type="checkbox"/> DC <input type="checkbox"/>	
Adj. Spacing <input type="checkbox"/> inches	Encircling Coils <input type="checkbox"/> <u>N/A</u> Turns		
Prods. Spacing <input type="checkbox"/> inches	Current (machine setting) <input type="checkbox"/> <u>N/A</u> Amperes		

---

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks
			<u>N</u>			
			<u>A</u>			

---

Comments:  
**Examination could not be performed due to protective guard pipping.**

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Results: NAD ☒ IND ☐

Percent Of Coverage Obtained > 90%: No

Reviewed Previous Data: No

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Examiner	Level	Signature	Date	Reviewer	Signature	Date
Johnson, Jeffery M.	II	<i>[Signature]</i>	1/30/2001	Halling, David A.	<i>[Signature]</i>	2/1/01
Examiner	Level	Signature	Date	Site Review	Signature	Date
N/A	N/A	<i>[Signature]</i>		Whitcomb, Daniel	<i>[Signature]</i>	2-04-2001
Other	Level	Signature	Date	ANII Review	Signature	Date
N/A	N/A	<i>[Signature]</i>		Clow, Ron	<i>[Signature]</i>	2/5/01







Report No.: 2001M034  
Page: 2 of 3

Site/Unit:	<b>NSP / PI1</b>	Procedure:	<b>ISI-MT-1</b>
Summary No.:	<b>301258</b>	I Procedure Revision/FC:	<b>11 /</b>
Examination For:	<b>ISI</b>	Work Order No.:	<b>0010296</b>

Floor penetration prohibits examination of the middle 12" of the two vertical welds on the pipe collar.  
2 Circ Welds = 58" L x 2.5" W.      2 Vertical Welds = 16" L x 3" W.

[illegible]

Radiation field: &lt;2 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Auer, Robert G.	/		2/19/2001	Halling, David A.	/ 	2/20/01
Examiner	Level N/A	Signature	Date	Site Review	Signature	Date
N/A	/			Wren, Jerry P.	/ 	2-20-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	/ 	2/20/01



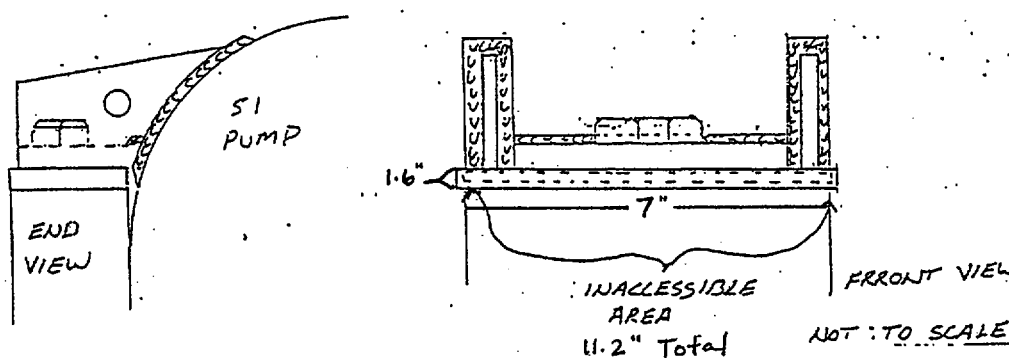
### Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-MT-1</u>	Report No.:	<u>2001M028</u>
Summary No.:	<u>302066</u>	F Procedure Revision/FC:	<u>11 /</u>	F Page:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

Description of Limitation:

Configuration prohibits examining weld at base c of support.

Sketch of Limitation: G:\IDDEAL50\PI1RFO200101\MT - Supplemental\2001M028-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Coburn, Timothy M.	/	<i>[Signature]</i>	2/14/2001	Halling, David A.	<i>[Signature]</i>	2/16/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Auer, Robert G.	/	<i>[Signature]</i>	2/14/2001	Wren, Jerry P.	<i>[Signature]</i>	2-16-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/	<i>[Signature]</i>		Clow, Ron	<i>[Signature]</i>	2/16/01



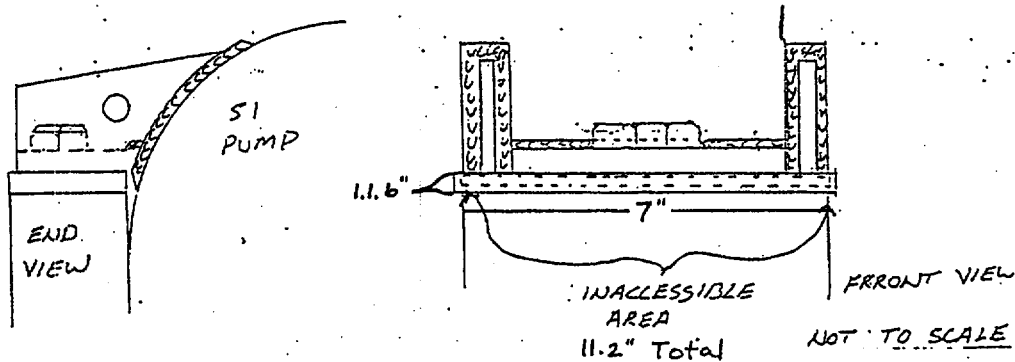
### Limitation Record

Site/Unit:	NSP / PI1	Procedure:	ISI-MT-1	Report No.:	2001M027
Summary No.:	302070	F Procedure Revision/FC:	11 /	PPage:	2 of 3
Examination For:	ISI	Work Order No.:	0010296		

Description of Limitation:

Configuration prohibits examining weld at base of support.

Sketch of Limitation: G:\DDEAL50\PI1RFO2001\1\MT - Supplemental\2001M027-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Coburn, Timothy M.	/	<i>[Signature]</i>	2/14/2001	Halling, David A.	<i>[Signature]</i>	2/16/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Auer, Robert G.	/	<i>[Signature]</i>	2/14/2001	Wren, Jerry P.	<i>[Signature]</i>	2-16-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>[Signature]</i>	2/16/01



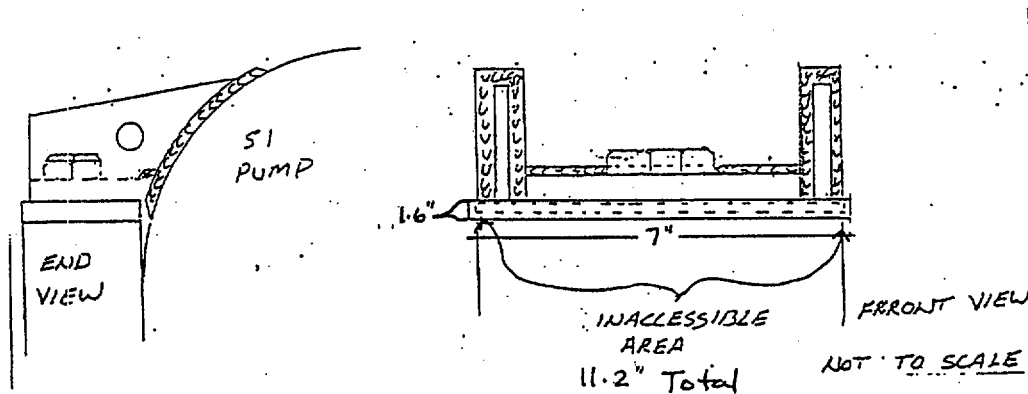
### Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-MT-1</u>	Report No.:	<u>2001M026</u>
Summary No.:	<u>302074</u>	PProcedure Revision/FC:	<u>11 /</u>	PPage:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

Description of Limitation:

Configuration prohibits examining weld at base o of support.

Sketch of Limitation: G:\IDEAL50\PI1RFO200D1\MT - Supplemental\2001M026-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Coburn, Timothy M.		<i>[Signature]</i>	2/14/2001	Halling, David A.	<i>[Signature]</i>	2/16/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Auer, Robert G.		<i>[Signature]</i>	2/14/2001	Wren, Jerry P.	<i>[Signature]</i>	2-16-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A				Clow, Ron	<i>[Signature]</i>	2/16/01



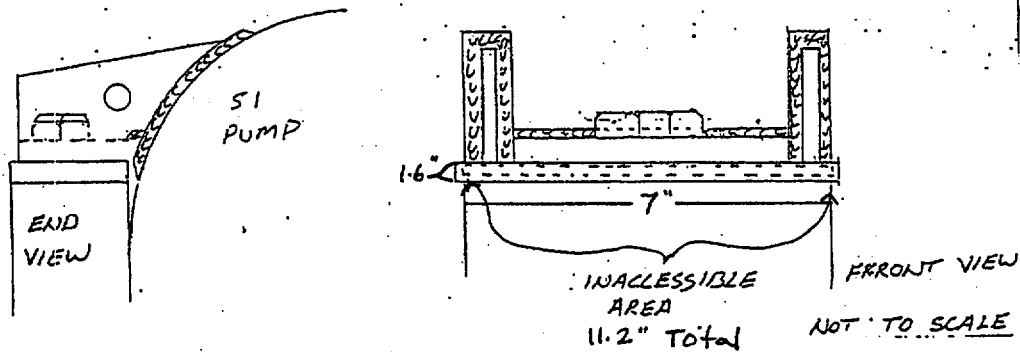
### Limitation Record

Site/Unit:	NSP / PI1	Procedure:	ISI-MT-1	Report No.:	2001M025
Summary No.:	302078	F Procedure Revision/FC:	11 /	F Page:	2 of 3
Examination For:	ISI	Work Order No.:	0010296		

Description of Limitation:

Configuration prohibits examining weld at base of support.

Sketch of Limitation: G:\IDEAL50\PI1RFO200101\MT - Supplemental\2001M025-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Coburn, Timothy M.	/	<i>[Signature]</i>	2/14/2001	Halling, David A.	<i>[Signature]</i>	2/16/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Auer, Robert G.	/	<i>[Signature]</i>	2/14/2001	Wren, Jerry P.	<i>[Signature]</i>	2-16-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/	<i>[Signature]</i>		Clow, Ron	<i>[Signature]</i>	2/16/01



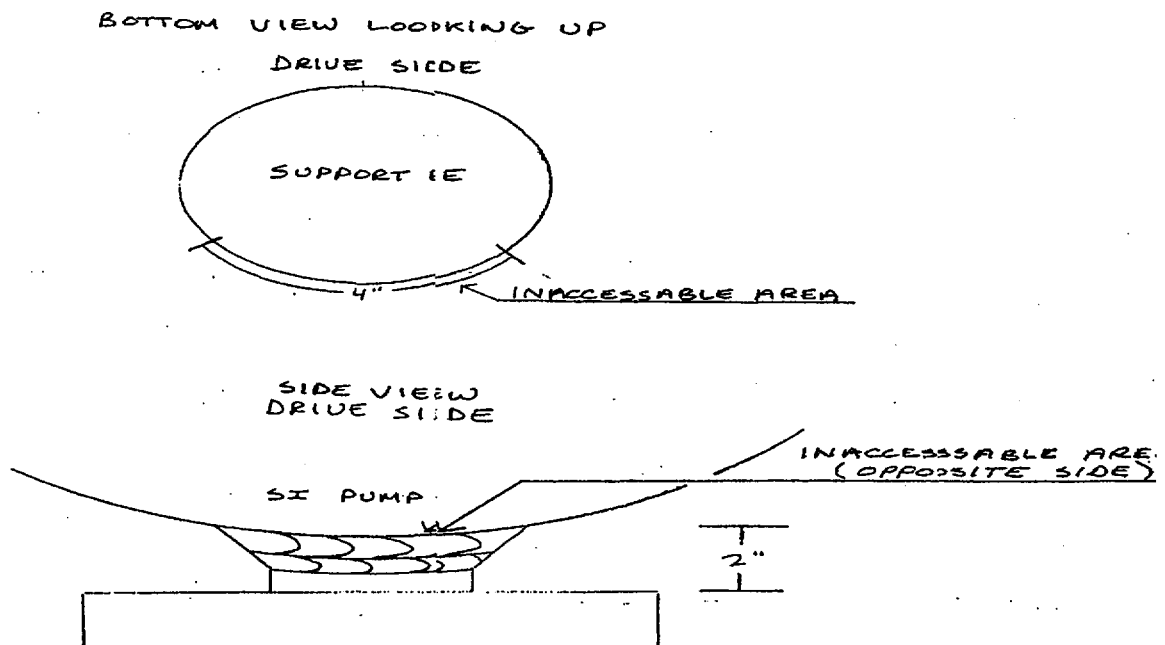
# Limitation Record

Site/Unit:	NSP / PI1	Procedure:	ISI-MT-1	Report No.:	2001M030
Summary No.:	302082	F Procedure Revision/FC:	11 /	F Page:	2 of 3
Examination For:	ISI	Work Order No.:	0010296		

Description of Limitation:

Configuration prohibits examining weld at inside e of support.

Sketch of Limitation: G:\IDEAL50\PI1\RFO2001\MT - Supplemental\2001M030-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Coburn, Timothy M.	I	<i>[Signature]</i>	2/14/2001	Halling, David A.	<i>[Signature]</i>	2/16/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Auer, Robert G.	I	<i>[Signature]</i>	2/14/2001	Wren, Jerry P.	<i>[Signature]</i>	2-17-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	I			Clow, Ron	<i>[Signature]</i>	2/15/01





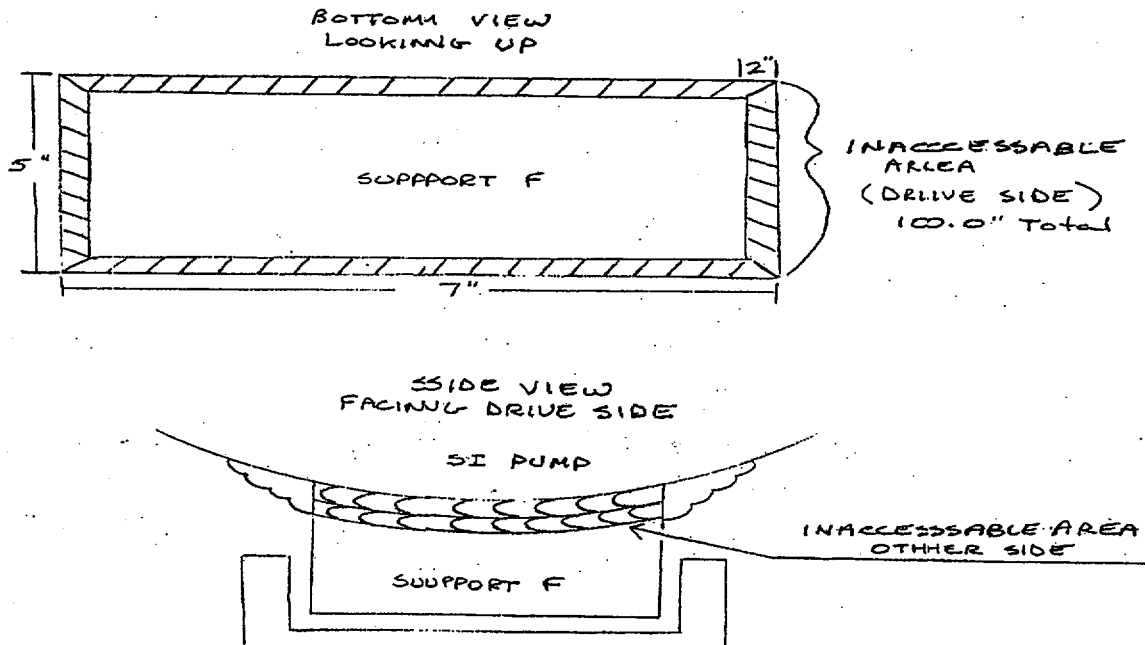
### Limitation Record

Site/Unit: <u>NSP / PI1</u>	Procedure: <u>ISI-MT-1</u>	Report No.: <u>2001M024</u>
Summary No.: <u>302086</u>	Procedure Revision/FC: <u>11 /</u>	Page: <u>2</u> of <u>3</u>
Examination For: <u>ISI</u>	Work Order No.: <u>0010296</u>	

Description of Limitation:

Configuration prohibits examining weld at inside of support (drive side).

Sketch of Limitation: G:\IDEAL50\PI1RFO200001\MT - Supplemental\2001M024-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Coburn, Timothy M.	I		2/14/2001	Halling, David A.		2/16/01
Examiner	Level II	Signature	Date	Site Review	Signature	Date
Auer, Robert G.	I		2/14/2001	Wren, Jerry P.		2-17-01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	I			Clow, Ron		2/19/01



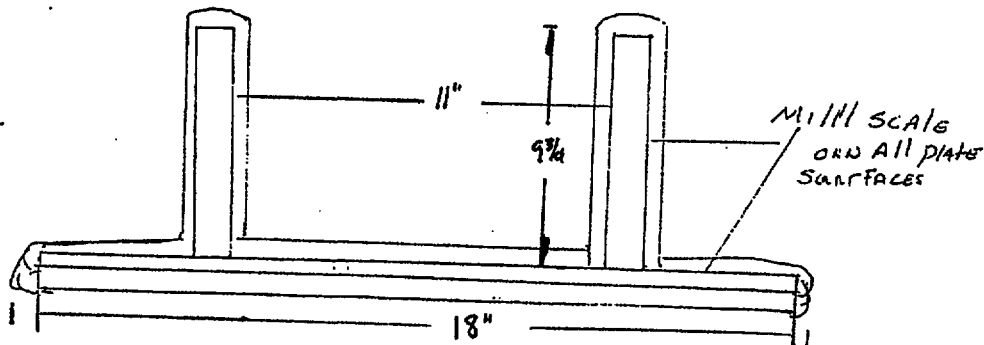
### Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-PT-1</u>	Report No.:	<u>2001P056</u>
Summary No.:	<u>303052</u>	P Procedure Revision/FC:	<u>13 /</u>	P Page:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

**Description of Limitation:**

Mill scale located on support base metal. Mill scale is tightly adhering and could not be removed by wire wheel or flapping. Bottom of support is inaccessible for removal work.

Sketch of Limitation: G:\IDEAL50\PI1RFO2001\1\PT - Supplemental\2001P056-1.bmp



**Limitations removal requirements:**

N/A

Radiation field: mR/hr

Examiner	Level	III	Signature	Date	Reviewer	Signature	Date
Halling, David A.			<i>[Signature]</i>	2/6/2001	Auer, Robert G.	<i>[Signature]</i>	2-15-01
Examiner	Level	N/A	Signature	Date	Site Review	Signature	Date
N/A					Wren, Jerry P.	<i>[Signature]</i>	2-15-01
Other	Level	N/A	Signature	Date	ANII Review	Signature	Date
N/A					Clow, Ron	<i>[Signature]</i>	2/15/01



## UT Pipe Weld Examination

Site/Unit: <u>NSP / PI1</u>		Procedure: <u>ISI-UT-16A</u>	Report No.: <u>2001U040</u>
Summary No.: <u>301858</u>		Procedure Revision/FC: <u>0 /</u>	Page: <u>1</u> of <u>1</u>
Examination For: <u>ISI</u>		Work Order No.: <u>0010296</u>	

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Applicable Code: <u>1989</u>	ISO Drawing No.: <u>ISI-89B</u>	Location: <u>Aux Bldg</u>
Description: <u>PIPE - PEN 10</u>		
System ID: <u>RH</u>		
Component ID: <u>W-14</u>	Size/Length: <u>N/A</u>	Thickness/Diameter: <u>10"</u>
Limitations: <u>See Comments.</u>		Start Time: _____ Finish Time: _____

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Examination Surface: Inside <input type="checkbox"/> Outside <input checked="" type="checkbox"/>	Surface Condition: <u>N/A</u>
Lo Location: <u>N/A</u>	Wo Location: <u>N/A</u>
Couplant: _____	Batch No.: _____
Temp. Tool Mfg.: <u>N/A</u>	Serial No.: <u>N/A</u>
Surface Temp.: <u>N/A</u> °F	

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Cal. Sheet No.: <u>N/A</u>
Angle Used
Scanning dB
Indication(s): Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Scan Coverage: Upstream <input type="checkbox"/> Downstream <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/>

Comments:  
Weld inaccessible due to penetration sleeve and welded restraint. 0% Coverage.

Results: NAD <input type="checkbox"/> IND <input type="checkbox"/> GEO <input type="checkbox"/> Inaccessible
Percent Of Coverage Obtained > 90%: <u>No</u>
Reviewed Previous Data: <u>No</u>

Examiner	Level	Signature	Date	Reviewer	Signature	Date
Halling, David A.	II		2/20/2001	Auer, Robert G.		2-21-01
Examiner	Level	Signature	Date	Site Review	Signature	Date
N/A	N/A			Wren, Jerry P.		2-21-01
Other	Level	Signature	Date	ANII Review	Signature	Date
N/A	N/A			Clow, Ron		2/21/01



# Liquid Penetrant Examination

Report No.: 2001P070

Site/Unit: NSP / P11

Procedure: ISI-PT-1

F Page: 1 of 1

Summary No.: 301858

Procedure Revision/FC: 13 /

Examination For: ISI

Work Order No.: 0010296

Applicable Code: 1989

ISO Drawing No.: ISI-89B

Location: Aux Bldg

Description: PIPE - PEN 10

System ID: RH

Component ID: W-14

Size/Length: 10"

Limitations: See Comments.

Temp. Tool Mfg.: N/A

Serial No.: N/A

Surface Temp.: N/A °F

Surface Temperature of Comparator Block (if used): Side A: N/A °F Side B: N/A °F Gray Card (if used): Not Used

Lo Location: N/A

Surface Condition: N/A

	Cleaner	Penetrant	Remover	Developer
Brand				
Type				
Batch No.				
Time	Evap.	Dwell	Evap.	Develop
Time Exam Started:		Time Exam Completed:		

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks

Comments:

**Weld Inaccessible due to penetration sleeve and welded restraint. 0% Coverage.**

Results: NAD ☐ IND ☐

Inaccessible

Percent Of Coverage Obtained > 90%: No

Reviewed Previous Data: No

Examiner	Level	Signature	Date	Reviewer	Signature	Date
Halling, David A.	III	<i>[Signature]</i>	2/20/2001	Auer, Robert G.	<i>[Signature]</i>	2-21-01
Examiner	Level	Signature	Date	Site Review	Signature	Date
N/A	N/A	<i>[Signature]</i>		Wren, Jerry P.	<i>[Signature]</i>	2-21-01
Other	Level	Signature	Date	ANII Review	Signature	Date
N/A	N/A	<i>[Signature]</i>		Clow, Ron	<i>[Signature]</i>	2/21/01



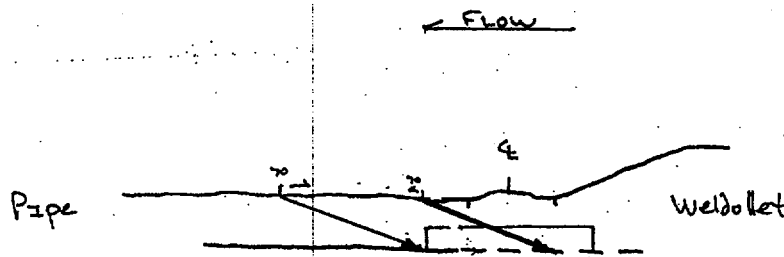
### Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-UT-16A</u>	Report No.:	<u>2001U034</u>
Summary No.:	<u>305137</u>	Procedure Revision/FC:	<u>0 /</u>	Page:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

Description of Limitation:

One sided examination due to weld crown and configuration.

Sketch of Limitation: G:\IDEAL50\PI1RFO2001\UT - Supplemental\2001U034-1.bmp



Limitations removal requirements:

None

Radiation field: <1 mR/hr

Examiner	Level	Signature	Date	Reviewer	Signature	Date
Potter, Michael E.	II	<i>[Signature]</i>	2/16/2001	Halling, David A.	<i>[Signature]</i>	2/16/01
Examiner	Level	Signature	Date	Site Review	Signature	Date
N/A	N/A			Clay, Sean P.	<i>[Signature]</i>	2/16/01
Other	Level	Signature	Date	ANII Review	Signature	Date
N/A	N/A			Clow, Ron	<i>[Signature]</i>	2/19/01



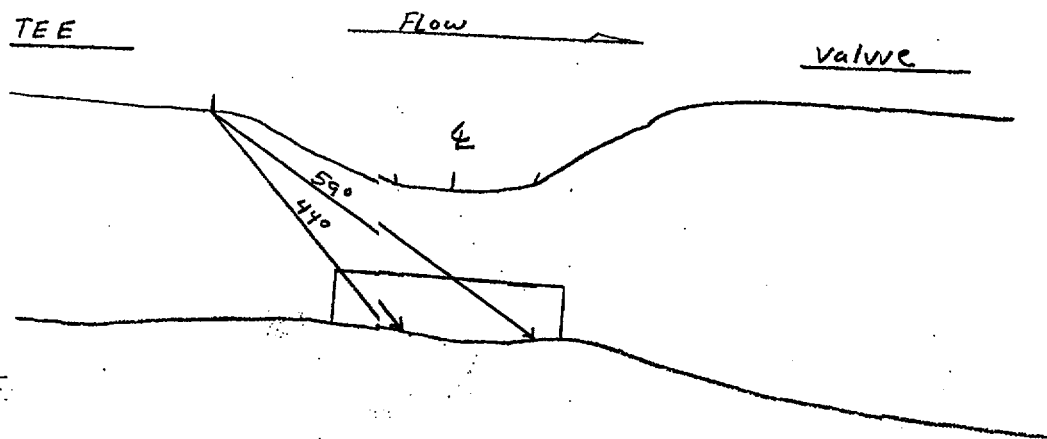
### Limitation Record

Site/Unit:	<u>NSP / PI1</u>	Procedure:	<u>ISI-UT-16A</u>	Report # No.:	<u>2001U013</u>
Summary No.:	<u>301874</u>	PProcedure Revision/FC:	<u>0 /</u>	PPage:	<u>2</u> of <u>3</u>
Examination For:	<u>ISI</u>	Work Order No.:	<u>0010296</u>		

Description of Limitation:

Single side access due to tee to valve configuration.

Sketch of Limitation: G:\IDEAL50\PI1\RFO2001\1\UT - Supplemental\2001U013-1.bmp



Limitations removal requirements:

None

Radiation field: 10 mR/hr

Examiner	Level II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.	/	<i>[Signature]</i>	2/1/2001	Halling, David A.	<i>[Signature]</i>	2/3/01
Examiner	Level N/A	Signature	Date	Site Review	Signature	Date
N/A	/			Clay, Sean P.	<i>[Signature]</i>	2/3/01
Other	Level N/A	Signature	Date	ANII Review	Signature	Date
N/A	/			Clow, Ron	<i>[Signature]</i>	2/5/01



# Limitation Record

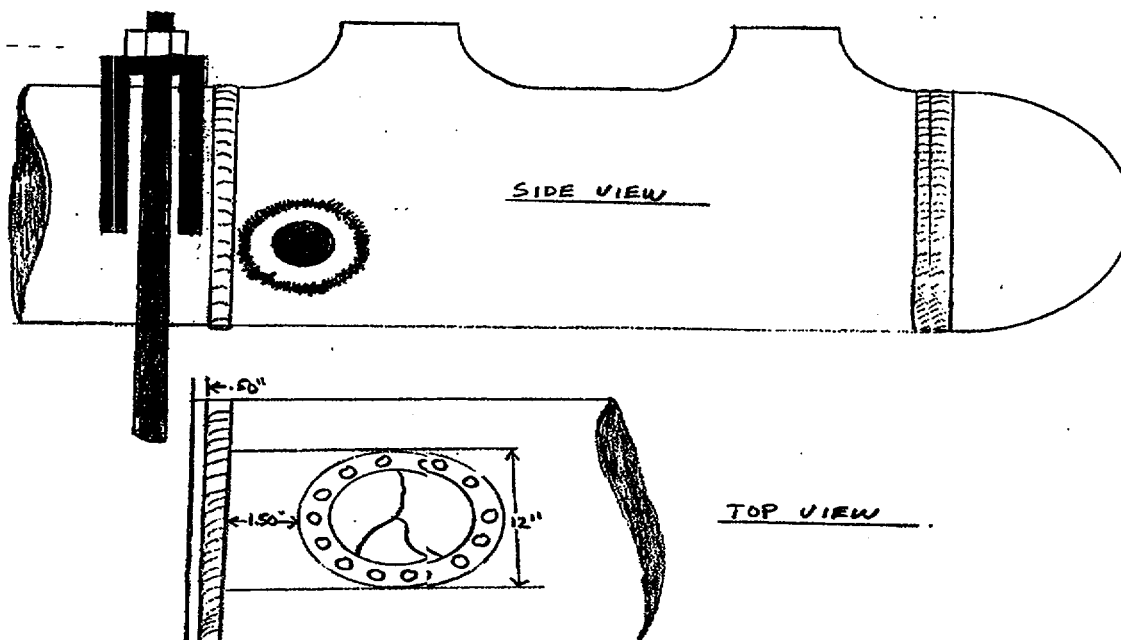
Report No.: 2001M016  
Page: 2 of 3

Site/Unit: NSP / PI1 Procedure: ISI-MT-1  
Summary No.: 301619 Procedure Revision/FC: 11 /  
Examination For: ISI Work Order No.: 0010296

## Description of Limitation:

Restraint and Nozzle Radius - 31.2 sq in of 252.2.2 sq in limited due to nozzle.

Sketch of Limitation: G:\DDEAL50\PI1RFO200\01\MT - Supplemental\2001M016-1.bmp



## Limitations removal requirements:

None

Radiation field: < 2 mR/hr

Examiner	Level	II	Signature	Date	Reviewer	Signature	Date
Timm, Jeremy T.			<i>[Signature]</i>	2/7/2001	Halling, David A.	<i>[Signature]</i>	2/10/01
Examiner	Level	N/A	Signature	Date	Site Review	Signature	Date
N/A					Wren, Jerry P.	<i>[Signature]</i>	2-10-01
Other	Level	N/A	Signature	Date	ANII Review	Signature	Date
N/A					Clow, Ron	<i>[Signature]</i>	2/10/01