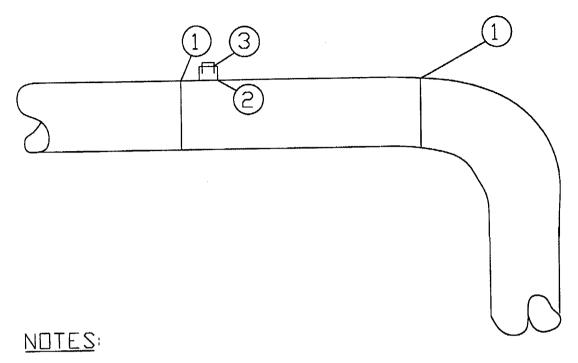
М	5075 Rev. 5
	ASME SECTION XI REPAIR/REPLACEMENT PROGRAM
D.	. Cook Unit 1 Section XI Repair/Replacement Plan Page 1 of 2
1	IOD ODDED # OF4504
1.	JOB ORDER # DATE: DATE:
2.	COMPONENT OR SUPPORT: Containment Spray Piping (Class B-14)
3.	SI CODE CLASS: 2 MATERIAL CLASS: 2
4.	REASON/FLAW: Temporarily remove piping to accommodate SGR replacement
F	
5.	MATERIAL FLAW DISCOVERY: N/A
6.	CAUSE OF FAILURE: N/A
7.	VORK DESCRIPTION: Portions of the Containment Spray Piping shall be temporarily removed to avoid interfering with steam generator replacement lifting activities. The piping shall be reinstalled in accordance with a later edition of the original Construction Code.
8.	LAW REMOVAL METHOD: _ Piping shall be mechanically cut
9.	CAVITY MEASUREMENT METHOD: N/A
10.	DIMENSIONAL REFERENCE POINTS: N/A
11.	MATERIALS: PIPE: SA-312 TP 304
	ELBOW: SA-403 WP 304, SA-182 Gr. F304
	FLANGE: N/A
	BOLTS: N/A
	NUT: N/A
40	FILLER MATERIALS: E-308L and ER-308L
12.	ECTION XI: 1989 Edition, No Addenda OCC SPEC NO: N/A
	XISTING DESIGN CODE/YEAR: ANSI-B31.1-1967 supplemented by DCCPM 103 QCN
	XISTING INSTALLATION CODE/YEAR: ANSI-B31.1-1967 supplemented by DCCPM 103
	QCN IEW DESIGN CODE/YEAR: ANSI-B31.1-1967 supplemented by DCCPM 103 QCN
	EW INSTALLATION CODE/YEAR: ANSI B31.1-1983 (welds), ASME III 1989 (NDE) and the
	additional requirements of QHI-5051
	ODE CASES TO BE USED: None
	VELD PROCEDURE NO: See attached Welding and NDE Matrix and sketch

HI-5075 Rev. 5			JO # C51584
AS	ME SECTION XI REPAIR	R/REPLACEMENT PROGR	MAM
). C. Cook Unit 1	Section XI Repai	r/Replacement Plan	Page 2 of 2
SPECIAL REQU	IREMENTS: N/A	/A - #	1 1
MAINTENANCE	PLANNER:	Moneli_	11/23/99
SUITABILITY E	VALUATION	V	
	ERING/PROGRAMSAPF	PROVAL: \$1 YES □ // //25/99	NO
J.O. CA	LE TEMM	17/07/77	
. PRESERVICE I	NDE REQUIRED: 🗆 Y EERING/PROGRAMS AP	′ES ⊠ NO PROVAL Ø YES □ NO)
KRWERT	10.		/99
. WELDING NDE	EREQUIREMENTS: _Se	ee attached Matrix and SPM V	Velding and NDE
procedures			D. 1. 8 7 AG
PA-PV APPRO	VAL: YES INO	R.T. Griffith Sr. PE	10 July
B. NON-WELDED	REPAIR/REPLACEMEN	T NDE REQUIREMENTS	N/A
PLANT ENGIN	EERING APPROVAL: 🏻	YES NO	
e. LEAKAGE TES		As specified by Section XI, this	
which a demon	stration of an open flow path	test will be performed in lieu	of a system pressure test.
PA-PV APPRO	OVAL: DE YES D NO	et. Griffith S. PE	Dog Jales
0. REMARKS:			n/29/4
- DI ANT CHOIL	IEEDING CONCURRENC	CE: 12 YES NO	Rworthen, h
			11/25/6/9
	RENCE: X YES INO	-12 1 Juning	aug - · · · · · · ·
'३ NIS-2 ⊠ YE	a li NU.	1	



- 1. WELD NUMBERS CORRESPOND TO THE NUMBERS ON THE ATTACHED MATRIX.
- 2. WELD NO. 1 IS TYPICAL OF THE PIPNG REINSTALLATION WELDS FOR TEMPORARILY REMOVED SECTIONS OF CTS PIPING.
- 3. WELD NOS. 2 AND 3 ARE TYPICAL OF THE BRANCH CONNECTIONS INSTALLED AS NEEDED TO PROVIDE ACCESS FOR PURGE DAMS AND WELDING PURGE GAS.

ASME SECTION XI REPAIR/REPLACEMENT PLAN FOR JO # C51584

	J(Description			Nominal	Wá	Preheat	Field Welding	Nondestructive Examination	PWHT	ASI .I NDE	
Weld	Component	Code	Material	Pipe Size	Thick. Sch or	°F	Specification	(NDE)	Temp. Time	UT/ PT/	1
No.			P-No Type	Inches	Inches	(Min)	Procedure	Type %	Range	RT MT	Notes

	MISCELLANEOUS PIPING (INTERFERENCE REMOVAL AND REROUTE)														
1	CTS Piping -Pipe to Pipe -Pipe to Fittings	ANSI B31.1- 1983	8	SA-312 TP 304 to itself or SA-403 WP 304	6 or 8	Sch. 10s or 40s	50	P8-AT-Ag-1 P8-T-Ag-1	PT RT	100 100	NA	NA	NA	NA	
2	CTS Piping Branch Connections	ANSI B31.1- 1983	8	SA-312 TP 304 to SA- 182 Gr. F304	2	3000#	50	P8-T-1	PT	100	NA	NA	NA	NA	
3	CTS Piping Branch Connection Pipe Plugs (Tack Welds)	ANSI B31.1- 1983	8	SA-182 Gr. F304 to itself	2	3000#	50	P8-T-1	VT	100	NA	NA	NA	NA	

This matrix is to be used in conjunction with the Repair/Replacement Plan document to which it is attached. It identifies the system or component to which each line item applies, provides the installation code and date of the item being installed/repaired, describes the material specification and ASME Section IX P-Number of the materials involved, the diameter and thickness of the materials to be welded, as applicable, the welding procedure to be used, the preheat and post weld heat treatment to be performed, the installation NDE to be performed in accordance with the installation code and applicable Owner's requirements and the Section XI required preservice/inservice NDE to be performed by the Owner. Where more than one temperature is listed in the welding preheat column, it is intended that the higher temperatures be applied to the heavier thickness welds in accordance with the installation code and Owner's requirements. The actual procedures for the activities described in the Matrix are contained in the D. C. Cook Unit 1 Steam Generator Replacement Project Special Processes Manual (SPM).

Materials described above are either ASME material (SA-XXX) or, where allowed, ASTM material (AXXX) which have been reconciled to the construction code date indicated in the Owner's Specification. When required, reconciliation documents are prepared and filed separately from this Repair/Replacement Plan.

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE FOR JOB ORDER C 51584	Sheet 1 of 1

MHI-5075 Rev. 5			
AS	ME SECTION XI REPAIR/F	REPLACEMENT PROGR	AM
D. C. Cook Unit 1	Section XI Repair/F	Replacement Plan	Page 1 of 2
	C53315/C52694	DATE	<u> </u>
1. JOB ORDER #	OR SUPPORT: Steam Gen		- · · · · · · · · · · · · · · · · · · ·
		MATERIAL CLASS:	1 & 2 (See cont. pages)
 ISI CODE CLAS REASON/FLAW 		Generator tube bundle as a r	
4. REASON/FLAW	- Replacement of ottoms		
5. MATERIAL FLA	W DISCOVERY: Routine	eddy current examinations	
6. CAUSE OF FAII	URF Due to degradation of	of the SG tubes, steam gene	erator replacement has
0. 0/1002 01 17	been deemed neces	sary. This replacement will	repair the SG and allow the
	unit to operate at its	design capacity. Tube degr	adation was due to primary
	water stress corrosic	on cracking and secondary s	side outside diameter stress
	corrosion cracking.		
7. WORK DESCR	IPTION: See continuation page	ages	
8. FLAW REMOVA	AL METHOD: Steam Gene	rator Lower Assembly to be	thermally cut from the steam
	dome. All pi	ping connections mechanica	ally cut. SG flaw
	removal will	be done by complete replac	ement of the existing alloy
		bundle with a more corrosio	in resistant tube bundle
		d from alloy 690TT.	
	OLICIAL METHOD.	I/A	
	REFERENCE POINTS: Note:	notriv	
11. MATERIALS:			
	1 - 11 - 1	olts-A574 Gr. 4340	
		Manway Bolts-SA-193 Gr. B	7
	NUT: N/A		
	FILLER MATERIALS:	See SPM WPSs and WM	procedures
12. SECTION XI:	1989 Edition, No Addenda		
DCC SPEC NO): N/A		
EXISTING DE	SIGN CODE/YEAR: All pipi	ng-B31.1-1967 as suppleme	ented by DCCPM-103
		Steam Generator-ASME III,	1965 Edition with W66
	Adden		
EXISTING INS	STALLATION CODE/YEAR:	All piping-B31.1-1967 as	
			m Generator-ASME III, 1965
	_	Edition with W66 Addend	id.
		tached matrix	matrix and OUI 5051
	J(11011 00BE) 1 = " " -	accordance with attached	
	· · · · · · · · · · · · · · · · · · ·	2143-1 for welding material,	
WELD PROCI	EDURE NO: See attache	d Welding and NDE Matrix a	and shellin

HI-5075 Rev. 5	JO # C53315/C5	2694
ASI	ME SECTION XI REPAIR/REPLACEMENT PROGRAM	
ASME SECTION XI REPAIR/REPLACEMENT PROGRAM D. C. Cook Unit 1 Section XI Repair/Replacement Plan Page 2 of 2 SPECIAL REQUIREMENTS: N/A MAINTENANCE PLANNER: N/A SUITABILITY EVALUATION PLANT ENGINEERING/PROGRAMSAPPROVAL: YES NO See attached matrix PLANT ENGINEERING/PROGRAMS APPROVAL YES NO NO SEE ATTACHED NO NOTIFIC PLANT ENGINEERING/PROGRAMS APPROVAL YES NO NOTIFIC PLANT ENGINEERING/PROGRAMS APPROVAL YES NO NOTIFIC PROCEDURES PA-PV APPROVAL YES NO REMARKS: NON-WELDED REPAIR/REPLACEMENT NDE REQUIREMENTS N/A PLANT ENGINEERING APPROVAL: YES NO NO SEE ATTACHED NO SEE A		
SPECIAL REQUI	IIREMENTS: N/A	
MAINTENANCE	PLANNER: 16 Moule 11/23/99	
PLANT ENGINE	ERING/PROGRAMSAPPROVAL: YES INO	
PLANT ENGINE	EERING/PROGRAMS APPROVAL YES NO	
procedures	0.16.00	5
NON-WELDED	REPAIR/REPLACEMENT NDE REQUIREMENTS N/A N/A	
PLANT ENGINE	EERING APPROVAL: YES NO	
LEAKAGE TEST	T REQUIREMENTS: Final leak test in accordance with Code Case N416-	1
PA-PV APPROV	VAL: X YES I NO R.T. Gr. F. JUST. PE. RYSULFICTURE	170 3
	VAL: X YES I NO R.T. Gr. FF. JUST. PE. RYSULFICTED AND MILITAL HOS	170
. REMARKS:	EERING CONCURRENCE: YES D NO TRUJOITH	1/2

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53315/C52694 on Steam Generator 1-OME-3-1

Block 3. (Continued from sheet 1 of 2)

ISI CODE CLASS/MATERIAL CLASS 3.

Class 1 & 2 is specified to identify the applicable code class for both the steam generator (SG) and the associated piping. Class 1 applies to the entire SG vessel, vessel attachments, RCS piping, the feedwater nozzle transition ring, and the feedwater elbow/reducer. Class 2 applies to the balance of the Section XI work including: main steam piping, the feedwater reducer to pipe weld, blowdown piping, and feedwater header welding inside the

Block 7. (Continued from sheet 1 of 2)

WORK DESCRIPTION 7.

The following is a summarization of the Repair/Replacement activities to be performed on steam generator 1-OME-3-1, otherwise numbered National Board #68-31:

- removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs),
- severing and reconnecting the secondary system piping from the SG nozzles, b)
- removal and reinstallation of the upper and lower lateral supports to the steam generators,
- severing and reconnecting of reactor coolant loop piping,
- removal and reinstallation of sections of the main steam and feedwater system piping, e)
- removal and reinstallation of main steam pipe whip restraints, f)
- modification of the steam generator feedwater nozzles, g)
- replacement of feedwater elbows, h)
- performing the vessel girth cutting and welding, i)
- steam dome refurbishment, i)
- installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs),
- vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs)

The four old steam generators ("old steam generators" refers to the original steam generators) are to be replaced as a direct result of tube degradation. Because of the scope and complexity of the Section XI Repair/Replacement activities that are to be performed, these activities have been broken down into separate work scopes as described in detail in the following Design Change Packages (DCPs):

01-DCP-300, Steam Generator Replacement

This package provides the necessary design change information to document replacement of the old steam generator lower assemblies with replacement lower assemblies and refurbishment of the steam domes, including all required NSSS analyses or evaluations.

01-DCP-305, Steam Generator Vessel and Large Bore Secondary Piping

The scope of work includes the removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs), severing secondary system piping from the SG nozzles, removal and reinstallation of sections of the main steam and feedwater system piping, removal and reinstallation of main steam pipe whip restraints, and modification of the steam generator feedwater nozzles and replacement of feedwater elbows. Work includes performing the vessel girth cutting and welding, steam dome refurbishment, and removal and reinstallation of thermocouples and accelerometers. This package also includes the work associated with installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs) and vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs), excluding RCS and small bore nozzle preparatory work.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53315/C52694 on Steam Generator 1-OME-3-1

01-DCP-306, Steam Generator Supports, Reactor Coolant System Supports, and RCS Piping This package addresses SG supports (dead weight, upper lateral and lower lateral supports, SG snubbers, temporary support of the SGs for rigging), RCS piping templating, cutting, machining, welding and temporary supports; RCS pipe end decontamination; RCS cold and hot gap measurement program, and cut lines for severing RCS piping from the OSG at the OSG nozzle.

01-DCP-307, Small Bore Secondary Piping

This package addresses removal and reinstallation of the steam generator instrumentation piping, tubing, and supports; Blowdown system piping and supports; any associated instrument or root valve changes; and other attached small bore secondary piping/tubing and supports. Reference to this package is only for the purpose of describing Blowdown activities, since instrumentation is 1 inch and smaller, and exempt from the requirement to be addressed on a Repair/Replacement plan.

Old Steam Generator Cutting/Removing

The existing steam generator (1-OME-3-1) will be removed in two pieces. The steam dome will be removed after performing a girth cut of the vessel. The steam domes will be refurbished and reinstalled on the RSGLAs.

SG Vessel Girth Cutting

The girth cut will be made in the transition cone region and will be accomplished by flame cutting. Two cuts will be made approximately 21/2" apart to allow access to cut the internal wrapper plate. Sufficient material (tabs) will be left in four areas around the circumference to support the steam dome. The wrapper plate will be cut from outside the SG after supporting the primary moisture separator inside the SG. After the steam dome is rigged to the Temporary Lifting Device, the final girth cut to sever the tabs can be completed and the dome will be removed with the moisture separator equipment inside it.

Steam Dome Refurbishment and Reinstallation

The existing steam dome internals (moisture separators, feedwater header, etc.) will be removed and disposed of per plant procedures. Removal of the existing internals will prepare the steam dome for installation of new internals.

The existing steam dome shell (pressure boundary) will be re-used with new internals as follows:

Main Steam Flow Restrictor

A flow restrictor will be installed in the main steam nozzle of each SG as part of the steam dome refurbishment.

Moisture Separator Equipment

New moisture separator equipment will be installed in the steam dome and welded to the existing attachment points at the top of the steam dome. The welds to install the moisture separator modules will not attach directly to the vessel pressure boundary. Installation of the moisture separator modules has been evaluated and determined not to impact the pressure boundary integrity.

Feedwater Nozzle

The FW nozzle profile will be machined to accept a new transition ring which will serve as a nozzle safe end. A new thermal sleeve will also be installed inside the FW nozzle, connecting the ID of the transition ring to the internal feedwater header/gooseneck assembly.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53315/C52694 on Steam Generator 1-OME-3-1

Feedwater Header and Gooseneck

A new feedwater header with J-tubes and a feedwater gooseneck will be installed inside the steam dome and welded to the thermal sleeve of the feedwater nozzle transition ring. Existing feedwater header support attachments inside the steam dome will be cut back and abandoned in place. This work will not impact the pressure boundary integrity.

Vessel Preparation

The steam dome shell will be trimmed to its final length and the girth weld edge will be prepared for a full penetration butt weld.

Secondary Manways

The seating surfaces of both the manway covers and the manway openings for the two 16" steam drum manways will be remachined, if required, to recondition the gasket sealing areas.

Girth Welding, PWHT, and NDE

The initial SG girth cut to remove the steam dome will be accomplished by flame cutting. The final weld prep of the steam dome girth weld will be performed by machining. The requirements of IWA-4321 will therefore be satisfied.

After the RSGLA is in place and RCS welding is partially completed, the steam dome will be reinstalled and girth welding of the vessel shell will be performed. Final NDE will consist of 100% radiography and 100% MT or PT. PWHT will be performed in accordance with the Special Processes Manual (SPM). Girth welding, including PWHT and final NDE, shall be completed prior to refueling. The heat generated from welding and PWHT activities will be removed by a combination of existing plant ventilation and temporary coolers installed in containment.

ASME Code Rating Plate

The ASME code rating plate for the RSGLA is mounted on a bracket on the SG channel head. The bracket will be modified to avoid interference with the installation of replacement thermal insulation. The mounting plate portion of the bracket will be enlarged to accommodate both the code rating plate for the RSGLA and the code rating plate from the OSG.

Secondary Manways

Following completion of internal assembly, secondary manway covers shall be reinstalled using new manway bolts.

Primary Manways

Should a primary manway bolt be inadvertently damaged, replacement bolting material shall be ultrasonically examined to meet preservice NDE requirements.

Primary Piping Severing and Reconnection

Reactor Coolant Loop Piping

The RCS piping will be severed from the existing generators for the steam generators to be removed. At this time, it will also be necessary to temporarily support the hot leg and crossover leg piping to prevent the piping system from becoming over-stressed, and also to facilitate fit-up to the new generator nozzles. The cuts for the elbows are planned in two alternatives described as the two-cut method (severing the SG at the primary nozzle to piping welds) and the three-cut method (replacement of a crossover leg elbow). The three-cut method will be used only in the event that proper RCS fit-up cannot be attained for any or all of the steam generators. The

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53315/C52694 on Steam Generator 1-OME-3-1

objective is to ensure proper fit-up for welding of reactor coolant loop, and to ensure the weld joint geometry meets preservice inspection requirements. This task includes templating, pipe cutting, machining, and rewelding to the RSG. The pipe machining is based on templating data from the existing reactor coolant loop piping and replacement steam generator templating in conjunction with CAD modeling.

Secondary Piping Removal and Reinstallation

Main Steam

Prior to cutting the main steam pipe, temporary piping supports shall be installed. Main steam piping will be cut and reinstalled at the SG nozzle and at the piping-to-elbow weld at the inlet to the second elbow. Prior to performing reinstallation welds for the main steam piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized. The main steam piping will be reinstalled per the existing design configuration.

The main steam whip restraint attached to the enclosure roof will be cut, removed, and reinstalled.

Feedwater

Prior to cutting the feedwater pipe, temporary piping suports shall be installed. Feedwater piping will be cut and reinstalled at the SG nozzle and at the reducer-to-piping weld on the bottom of the reducer. The cut at the FW nozzle will sever both the pipe and the existing elbow liner. The elbow and reducer will be replaced with an unlined Chrome-Molybdenum (SA234 WP22) elbow and reducer, which provide increased resistance to flow accelerated corrosion when compared to carbon steel pipe material. Prior to performing reinstallation welds for the feedwater piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized.

Steam Generator Blowdown

The steam generator blowdown piping is a socket welded, small diameter, plain carbon steel system. The piping will be disconnected from the OSGs, modified, and reinstalled when the RSGs are in place. The total work scope includes the effort to sever the blowdown piping attached to the OSGs, install the blowdown piping, including the rerouted piping and connect to the RSGs.

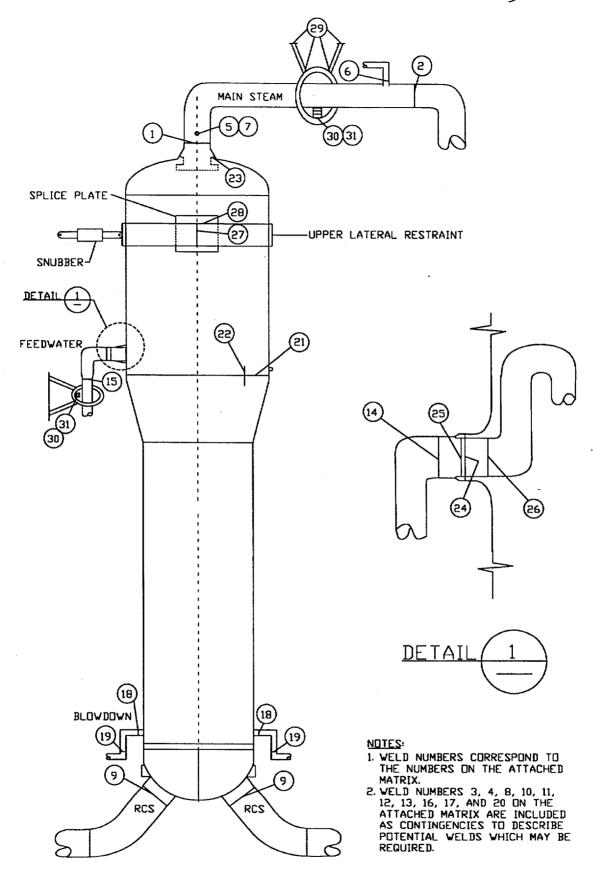
The blowdown nozzles on the RSG are on the same azimuth but lowered to 3 ¹/₈ inches below the existing OSG locations. The shell drain nozzles are eliminated on the RSG. The affected sections of the existing blowdown piping are modified to accommodate these changes on the RSG. In addition a 2x2x2 inch straight tee to a piping spool piece will be added to each loop. The spool piece consists of a short piping run to a globe valve followed by another short piping run to a flange/blind flange combination.

Materials

All replacement piping materials are of the same ASME or ASTM material specifications and grade as the materials they replace except for the feedwater elbows and reducers. These items, which were originally plain carbon steel (A/SA-105 and A/SA-106 Gr. B; P1 materials), are being replaced with materials of alloy steel (SA-234 WP22; P5 material). The alloy piping materials are more resistant to degradation due to flow assisted corrosion.

Installation Pressure Testing

In lieu of performing a system hydrostatic test, all systems and components affected by this Repair/Replacement activity shall be pressure tested after installation in accordance with Code Case N-416-1. The procedures specified for the construction code NDE have been reviewed and found to be in compliance with the methods and acceptance criteria of the applicable Subsection of ASME Section III, 1992 Edition, no addenda, as required by Code Case N-416-1. Prior to, or immediately upon return to service, a visual examination (VT-2) shall be performed in conjunction with the system leakage test (at the nominal operating pressure and temperature) in accordance with IWA-5000 of ASME Section XI, 1992 Edition, no addenda.



ASME SECTION XI REPAIR/REPLACEMENT PLAN FOR JO # C53315/C52694

Weld	nt Description	Inst.			Nominal Pipe	Thick.	Preheat	Field Welding	Nondes Exami		PW			Æ XI DE
Item	Component	Code		Material	Size	Sch or	∘F	Specification	(NI	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No	Type	Inches	Inches	(Min)	Procedure	Type	%	Range		RT	MT

					MAIN STE	AM SVSTI	EM (MS)							
	MAIN STEAM SYSTEM (MS)													
1	MS Nozzle to MS Fitting	ASME III NC-1989, no Addenda	3 to1	SA-508 CL 2 to SA-234 WPB/WPC	32 OD	1.125 Wall	175	P3(G3),P1(G2)-AT- Lh (CVN +40)	MT RT	100 100	1100- 1150	1-1/4 hr.	UT	МТ
2	MS Fitting to MS Pipe	ANSI B31.1- 1983	1	SA-234 WPB/WPC to SA-106 Gr C	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	МТ
3	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to itself	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	MT
4	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to itself	30 OD	1.0 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1 hr.	UT	МТ
5	MS Fittings / Pipe- Branch Connections	ANSI B31.1- 1983	1	SA-234 WPB/WPC or SA-106 Gr C to SA-105	2 & <	6000#	50	P1-AT-Lh or P1-T	MT	100	NA	NA	NA	NA
6	Vents & Sample Taps Pipe to Fitting (Socket Welds)	ANSI B31.1- 1983	1	SA -105 to SA -106 Gr B	2 & <	All	50	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
7	Gamma Port Plugs	ANSI B31.1- 1983	1	SA-105	2 & <	3000#	50 or 200	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
8	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh	МТ	100	NA	NA	NA	MT

This matrix is to be used in conjunction with the Repair/Replacement Plan document to which it is attached. It identifies the system or component to which each line item applies, provides the installation code and date of the item being installed/repaired, describes the material specification and ASME Section IX P-Number of the materials involved, the diameter and thickness of the materials to be welded, as applicable, the welding procedure to be used, the preheat and post weld heat treatment to be performed, the installation NDE to be performed in accordance with the installation code and applicable Owner's requirements and the Section XI required preservice/inservice NDE to be performed by the Owner. Where more than one temperature is listed in the welding preheat column, it is intended that the higher temperatures be applied to the heavier thickness welds in accordance with the installation code and Owner's requirements. The actual procedures for the activities described in the Matrix are contained in the D. C. Cook Unit 1 Steam Generator Replacement Project Special Processes Manual (SPM).

Materials described above are either ASME material (SA-XXX) or, where allowed, ASTM material (AXXX) which have been reconciled to the construction code date indicated in the Owner's Specification. When required, reconciliation documents are prepared and filed separately from this Repair/Replacement Plan.



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 1 of 4
FOR JOB ORDER C 53315/C2694	

	nt Description			Nominal	∹ ،−	Preheat	Field	Nondestructive	PWHT		ΕXI
Weld		Inst.		Pipe	Thick.		Welding	Examination	۰F	1	DE
Item	Component	Code	Material	Size	Sch or	oF ∣	Specification	(NDE)	Temp. Time	UT/	PT/
No.		Date	P-No Type	Inches	Inches	(Min)	Procedure	Type %	Range	RT	MT

						year Constitution and Constitution								
######################################				DEA	CTOB CO	OLANT SY	CTCM /D/	26)						
* / (A * () . X				NEA!	CTOR CO	OLANI ST	SIEW (K	√S)						
3(0)399-370-3	Γ			SA -336		I	<u> </u>	I		T T	l .	T .		
9	RC Nozzle Safe End to Elbow Hot / Crossover Leg	ASME III NB-1989, no Addenda	8	F316N/LN to SA-351 CF8M	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UΤ	PT
10	RC Elbow to Pipe Hot Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	29 ID	2.7	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
11	RC Elbow to Pipe Crossover Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
12	Attachment Welds	ASME III NB-1989, no Addenda	8	All	All	All	50	P8-T-1	PT	100	NA	NA	NA	PT
13	RC Nozzle Weld Repairs	ASME III NB-1989, no Addenda	43 to 8	F43 Weldmetal to SA-336 F316N/LN	31 ID	All	50	P43,P8-A	PT RT	100 100	NA	NA	UT	PT
		90,000	e e e							a tradition and	100			
			÷	MA MA	IN FEEDW	VATER SY	STEM (FV	- <i>1</i>						
		tion of the second												
14	S/G FW Nozzle Transition Ring to Elbow	ASME III NB-1989, no Addenda	43	SB-166 NO6690 to SA-234 WP22 (Buttered with UNS W86152)	16	0.844	50	P43-AT-Ag (52/152)	PT RT	100 100	NA	NA	UT	РТ
15	FW Reducer To FW Pipe	ANSI B31.1- 1983	1	SA-234 WP22 (Buttered with E7018) to SA-106 Gr B	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	МТ
16	Feedwater Pipe to Pipe	ANSI B31.1- 1983	1	SA-106 Gr. B To Itself	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	MT
17	Attachment Welds	ANSI B31.1- 1983	1	All	All	< 1	50	P1-A-Lh	MT	100	NA	NA	NA	МТ



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 2 of 4
FOR JOB ORDER C 53315/C2694	0

Weld	int Description	Inst.			Nominal Pipe	Thick.	Preheat	Field Welding	Nondes Exami	tructive nation	1	HT F	, N	iE XI DE
Item	Component	Code		Material	Size	Sch or	∘F	Specification	(NI	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No	Type	Inches	Inches	(Min)	Procedure	Type	%	Range		RT	MT

				SG	BLOWE	OWN SYS	TEM (BD)						
142-17-2		т						T	4.34	1				
18	SG Blowdown Nozzle to Pipe Socket Weld	ASME III NC-1989, no Addenda	1	SA-508 CL 3a with A No. 2 buildup to SA-106 Gr. B	2	sw	50	P1-AT-Lh or P1-T	MT	100	NA	NA	NA	NA
19	Fitting to Pipe Socket Welds	ANSI B31.1- 1983	1	SA-105 to SA-106 Gr. B	2	sw	50	P1-A-Lh or P1-T	мт	100	NA	NA	NA	N/
20	Attachment Welds	ANSI B31.1- 1983	1	All	All	Ali	50 or 200	P1-A-Lh or P1-T	МТ	100	NA	NA	NA	N/
				5-44 10-45						7.				
- ,				STEAM G	ENERAT	OR VESSE	L & INTE	RNALS						
				T		· · · · · · · · · · · · · · · · · · ·	,		di Taran					
21	Replacement Steam Generator Girth Weld	ASME III NB-1989, no Addenda	3	SA-508 CL 3a toSA-533 Gr. A CL 1	NA	4.0 Nom.	175	P3(G3)-A-Lh (CVN +60)	RT MT	100	1100- 1150	2.5 hrs	UT	М
22	Steam Generator Temp. Fitup Attachments	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-533 Gr. A CL 1 or SA-508 CL 3a	NA	≤ 1/2	175	P3(G3), P1(G2)-A- Lh (CVN+40)	VT	100	Note1	Note 1	NA	N
23	Main Steam Flow Restrictor Lugs to Main Steam Nozzle ID	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-508 CL 2	NA	1,125 Nom.	175	P3(G3), P1(G2)-A- Lh (CVN+40)	МТ	100	1100- 1150	1-1/4 hr.	NA	N
24	FW Nozzle to FW Transition Ring	ASME III NB-1989, no Addenda	3 to 43	SA-508 CL 2 to SB-166 UNS N06690	18.75	1.188	175	P43,P3(G3)-AT-Ag (CVN +40)	RT PT	100	1100- 1150	1-1/4 hr	UT	P
25	FW Transition Ring to Thermal Sleeve Spool Piece	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT RT	100	NA	NA	NA	N.
26	FW Thermal Sleeve to FW Header (Gooseneck)	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT	100	NA	NA	NA	N

Note 1: After removal of the attachments, a PWHT of the attachment removal areas will be performed at the same time and temperature as for the PWHT of the steam generator girth weld.

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 3 of 4
FOR JOB ORDER C 53315/C2694	

	nt Descri	ption			Nominal	\sqcap	Preheat	Field	Nondes	tructive	PW	HT	 ,	.E XI
Weld		Inst.			Pipe	Thick.		Welding	Exami	nation	١٥١	F	N	DE
Item	Compone	ent Code	ľ	Vlaterial	Size	Sch or	°F	Specification	(NI	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No	Type	Inches	Inches	(Min)	Procedure	Type	%	Range		RT	MT

			ST	FAM GENERAT	OR SUPPO	ORTS AND) PIPING V	VHIP RESTRAINTS						
			<u> </u>	<u> </u>		J11107111	<u> </u>	112011011110						
27	Upper Lateral Restraint Ring Girder	AWS D1.1	\$3	A588 to Itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
28	Upper Lateral Restraint Ring Girder to Splice Plate	AWS D1.1	S3 to 1	A-588 to A36	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30) or S3(A588),P1-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
29	Main Steam Piping Whip Restraints	AWS D1.1	S 3	A-588 Gr. A or B to itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 4	NA	NA	NA	NA
30	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1	CS to CS	NA	All	Per D1.1 for T welded	P1-A-Lh (Structural)	V T	100	NA	NA	NA	NA
31	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1 to S3	CS to A588	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30)	VT	100	NA	NA	NA	NA

Note 2: Prior to attaching new welds to the face of new or existing plates, ultrasonically examine the area under the weld and 3 inches each side of the weld in accordance with UT-Plate.

Note 3: MT shall be performed on all plate edges to be welded.

Note 4: For butt welds over 3/8" thick, examination of the root at 1/3 thickness shall be performed using the Direct Contact prod technique with direct current (HWDC). Either the Direct Contact prod technique with direct current or the Indirect Contact yoke technique with direct current may be used for the finished weld.

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 4 of 4
FOR JOB ORDER C 53315/C2694	

MH	II-5075 Rev. 5			
	ASI	IE SECTION	XI REPAIR/REPLACEMENT PROGI	RAM
D.	C. Cook Unit 1	Section	on XI Repair/Replacement Plan	Page 1 of 2
4	IOD ODDED #	C53316/C526	DAT	E: 11/23/99
1.	JOB ORDER # _		Steam Generator 1-OME-3-2; Nat. Bd.	_·
2.	ISI CODE CLASS			: 1 & 2 (See cont. pages)
3.	REASON/FLAW:		ent of Steam Generator tube bundle as a	
4.	REASON/FLAVV.	Teplacem	ent of oteam Generator tube bundle as a	result of tube degradation
5.	MATERIAL FLAV	/ DISCOVER	Y: Routine eddy current examinations	
6.	CAUSE OF FAIL		degradation of the SG tubes, steam gen	erator replacement has
•	3,1332 3, 17,112		deemed necessary. This replacement will	
			operate at its design capacity. Tube deg	
		****	stress corrosion cracking and secondary	
			ion cracking.	
7.	WORK DESCRIF	TION: See	continuation pages	
8.	FLAW REMOVAL	METHOD:	Steam Generator Lower Assembly to be	
			dome. All piping connections mechanica	
			removal will be done by complete replace	
			600MA tube bundle with a more corrosic	on resistant tube bundle
			manufactured from alloy 690TT.	
9.	CAVITY MEASU			
10.	DIMENSIONAL F			
11.	MATERIALS:	· 	ee attached matrix	
		ELBOW:	See attached matrix	
			See attached matrix	
		BOLTS:	S/G Foot Bolts-A574 Gr. 4340 Secondary Manway Bolts-SA-193 Gr. B	7
		NUT: N	A	<i>1</i>
			ATERIALS: See SPM WPSs and WM	procedures
12.	SECTION XI:	1989 Edition,		1
	DCC SPEC NO:	N/A		
		GN CODE/YE	AR: All piping-B31.1-1967 as suppleme	ented by DCCPM-103
			QCN, Steam Generator-ASME III,	
			Addenda.	
	EXISTING INSTA	ALLATION CO	DDE/YEAR: All piping-B31.1-1967 as	supplemented by
			DCCPM-103 QCN, Stean	n Generator-ASME III, 1965
			Edition with W66 Addend	a.
	NEW DESIGN C	ODE/YEAR:	See attached matrix	
	NEW INSTALLA	TION CODE/	YEAR: In accordance with attached n	natrix and QHI 5051
	CODE CASES T	O BE USED:	2142-1 & 2143-1 for welding material,	N-416-1
	WELD PROCED	URE NO:	See attached Welding and NDE Matrix a	nd sketch

мн	-5075 Rev. 5			JO # C53316/52695									
	ASME SECTION XI REPAIR/REPLACEMENT PROGRAM												
D. C	C. Cook Unit 1	Section XI Repa	Page 2 of 2										
13.	SPECIAL REQUI	REMENTS: N/A											
14.	MAINTENANCE	PLANNER:	a youli.	11/23/99									
15.	SUITABILITY EV PLANT ENGINEI J.o. G	ERING/PROGRAMSAPF	ا PROVAL: YES 🗆 ا <u>11/2 9/99 دارا</u>	NO									
16.		· · · - · · · · · · · · · · · · · · ·	YES □ NO See attache PROVAL ☒ YES □ NO 11/39/										
17.	procedures		e attached matrix and welding	and NDE									
18.	NON-WELDED I	REPAIR/REPLACEMEN	NDE REQUIREMENTS	N/A									
	PLANT ENGINE	ERING APPROVAL: 🗆	YES NO										
19.	LEAKAGE TEST	REQUIREMENTS: Fi	nal leak test in accordance wi	th Code Case N416-1									
	PA-PV APPROV	YAL: \$ YES □ NO (7. briffitist. PER	1/ Stt 15175									
20.	REMARKS:												
21.	PLANT ENGINE	ERING CONCURRENC	E: O YES O NO	Worlf 11/39/39									
22. 23.	ANI CONCURRI	ENCE: 121 YES II NO	MX Maters	raugh () 1/2/99									

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53316/C52695 on Steam Generator 1-OME-3-2

Block 3. (Continued from sheet 1 of 2)

3. ISI CODE CLASS/MATERIAL CLASS

Class 1 & 2 is specified to identify the applicable code class for both the steam generator (SG) and the associated piping. Class 1 applies to the entire SG vessel, vessel attachments, RCS piping, the feedwater nozzle transition ring, and the feedwater elbow/reducer. Class 2 applies to the balance of the Section XI work including: main steam piping, the feedwater reducer to pipe weld, blowdown piping, and feedwater header welding inside the SG.

Block 7. (Continued from sheet 1 of 2)

7. WORK DESCRIPTION

The following is a summarization of the Repair/Replacement activities to be performed on steam generator 1-OME-3-2, otherwise numbered National Board #68-32:

- a) removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs),
- b) severing and reconnecting the secondary system piping from the SG nozzles,
- c) removal and reinstallation of the upper and lower lateral supports to the steam generators,
- d) severing and reconnecting of reactor coolant loop piping,
- e) removal and reinstallation of sections of the main steam and feedwater system piping,
- f) removal and reinstallation of main steam pipe whip restraints,
- g) modification of the steam generator feedwater nozzles,
- h) replacement of feedwater elbows,
- i) performing the vessel girth cutting and welding,
- j) steam dome refurbishment,
- k) installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs),
- 1) vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs)

The four old steam generators ("old steam generators" refers to the original steam generators) are to be replaced as a direct result of tube degradation. Because of the scope and complexity of the Section XI Repair/Replacement activities that are to be performed, these activities have been broken down into separate work scopes as described in detail in the following Design Change Packages (DCPs):

01-DCP-300, Steam Generator Replacement

This package provides the necessary design change information to document replacement of the old steam generator lower assemblies with replacement lower assemblies and refurbishment of the steam domes, including all required NSSS analyses or evaluations.

01-DCP-305, Steam Generator Vessel and Large Bore Secondary Piping

The scope of work includes the removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs), severing secondary system piping from the SG nozzles, removal and reinstallation of sections of the main steam and feedwater system piping, removal and reinstallation of main steam pipe whip restraints, and modification of the steam generator feedwater nozzles and replacement of feedwater elbows. Work includes performing the vessel girth cutting and welding, steam dome refurbishment, and removal and reinstallation of thermocouples and accelerometers. This package also includes the work associated with installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs) and vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs), excluding RCS and small bore nozzle preparatory work.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53316/C52695 on Steam Generator 1-OME-3-2

01-DCP-306, Steam Generator Supports, Reactor Coolant System Supports, and RCS Piping
This package addresses SG supports (dead weight, upper lateral and lower lateral supports, SG snubbers, temporary support of the SGs for rigging), RCS piping templating, cutting, machining, welding and temporary supports; RCS pipe end decontamination; RCS cold and hot gap measurement program, and cut lines for severing RCS piping from the OSG at the OSG nozzle.

01-DCP-307, Small Bore Secondary Piping

This package addresses removal and reinstallation of the steam generator instrumentation piping, tubing, and supports; Blowdown system piping and supports; any associated instrument or root valve changes; and other attached small bore secondary piping/tubing and supports. Reference to this package is only for the purpose of describing Blowdown activities, since instrumentation is 1 inch and smaller, and exempt from the requirement to be addressed on a Repair/Replacement plan.

Old Steam Generator Cutting/Removing

The existing steam generator (1-OME-3-2) will be removed in two pieces. The steam dome will be removed after performing a girth cut of the vessel. The steam domes will be refurbished and reinstalled on the RSGLAs.

SG Vessel Girth Cutting

The girth cut will be made in the transition cone region and will be accomplished by flame cutting. Two cuts will be made approximately $2\frac{1}{2}$ " apart to allow access to cut the internal wrapper plate. Sufficient material (tabs) will be left in four areas around the circumference to support the steam dome. The wrapper plate will be cut from outside the SG after supporting the primary moisture separator inside the SG. After the steam dome is rigged to the Temporary Lifting Device, the final girth cut to sever the tabs can be completed and the dome will be removed with the moisture separator equipment inside it.

Steam Dome Refurbishment and Reinstallation

The existing steam dome internals (moisture separators, feedwater header, etc.) will be removed and disposed of per plant procedures. Removal of the existing internals will prepare the steam dome for installation of new internals.

The existing steam dome shell (pressure boundary) will be re-used with new internals as follows:

Main Steam Flow Restrictor

A flow restrictor will be installed in the main steam nozzle of each SG as part of the steam dome refurbishment.

Moisture Separator Equipment

New moisture separator equipment will be installed in the steam dome and welded to the existing attachment points at the top of the steam dome. The welds to install the moisture separator modules will not attach directly to the vessel pressure boundary. Installation of the moisture separator modules has been evaluated and determined not to impact the pressure boundary integrity.

Feedwater Nozzle

The FW nozzle profile will be machined to accept a new transition ring which will serve as a nozzle safe end. A new thermal sleeve will also be installed inside the FW nozzle, connecting the ID of the transition ring to the internal feedwater header/gooseneck assembly.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53316/C52695 on Steam Generator 1-OME-3-2

Feedwater Header and Gooseneck

A new feedwater header with J-tubes and a feedwater gooseneck will be installed inside the steam dome and welded to the thermal sleeve of the feedwater nozzle transition ring. Existing feedwater header support attachments inside the steam dome will be cut back and abandoned in place. This work will not impact the pressure boundary integrity.

Vessel Preparation

The steam dome shell will be trimmed to its final length and the girth weld edge will be prepared for a full penetration butt weld.

Secondary Manways

The seating surfaces of both the manway covers and the manway openings for the two 16" steam drum manways will be remachined, if required, to recondition the gasket sealing areas.

Girth Welding, PWHT, and NDE

The initial SG girth cut to remove the steam dome will be accomplished by flame cutting. The final weld prep of the steam dome girth weld will be performed by machining. The requirements of IWA-4321 will therefore be satisfied.

After the RSGLA is in place and RCS welding is partially completed, the steam dome will be reinstalled and girth welding of the vessel shell will be performed. Final NDE will consist of 100% radiography and 100% MT or PT. PWHT will be performed in accordance with the Special Processes Manual (SPM). Girth welding, including PWHT and final NDE, shall be completed prior to refueling. The heat generated from welding and PWHT activities will be removed by a combination of existing plant ventilation and temporary coolers installed in containment.

ASME Code Rating Plate

The ASME code rating plate for the RSGLA is mounted on a bracket on the SG channel head. The bracket will be modified to avoid interference with the installation of replacement thermal insulation. The mounting plate portion of the bracket will be enlarged to accommodate both the code rating plate for the RSGLA and the code rating plate from the OSG.

Secondary Manways

Following completion of internal assembly, secondary manway covers shall be reinstalled using new manway bolts.

Primary Manways

Should a primary manway bolt be inadvertently damaged, replacement bolting material shall be ultrasonically examined to meet preservice NDE requirements.

Primary Piping Severing and Reconnection

Reactor Coolant Loop Piping

The RCS piping will be severed from the existing generators for the steam generators to be removed. At this time, it will also be necessary to temporarily support the hot leg and crossover leg piping to prevent the piping system from becoming over-stressed, and also to facilitate fit-up to the new generator nozzles. The cuts for the elbows are planned in two alternatives described as the two-cut method (severing the SG at the primary nozzle to piping welds) and the three-cut method (replacement of a crossover leg elbow). The three-cut method will be used only in the event that proper RCS fit-up cannot be attained for any or all of the steam generators. The

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53316/C52695 on Steam Generator 1-OME-3-2

objective is to ensure proper fit-up for welding of reactor coolant loop, and to ensure the weld joint geometry meets preservice inspection requirements. This task includes templating, pipe cutting, machining, and rewelding to the RSG. The pipe machining is based on templating data from the existing reactor coolant loop piping and replacement steam generator templating in conjunction with CAD modeling.

Secondary Piping Removal and Reinstallation

Main Steam

Prior to cutting the main steam pipe, temporary piping supports shall be installed. Main steam piping will be cut and reinstalled at the SG nozzle and at the piping-to-elbow weld at the inlet to the second elbow. Prior to performing reinstallation welds for the main steam piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized. The main steam piping will be reinstalled per the existing design configuration.

The main steam whip restraint attached to the enclosure roof will be cut, removed, and reinstalled.

Feedwater

Prior to cutting the feedwater pipe, temporary piping suports shall be installed. Feedwater piping will be cut and reinstalled at the SG nozzle and at the reducer-to-piping weld on the bottom of the reducer. The cut at the FW nozzle will sever both the pipe and the existing elbow liner. The elbow and reducer will be replaced with an unlined Chrome-Molybdenum (SA234 WP22) elbow and reducer, which provide increased resistance to flow accelerated corrosion when compared to carbon steel pipe material. Prior to performing reinstallation welds for the feedwater piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized.

Steam Generator Blowdown

The steam generator blowdown piping is a socket welded, small diameter, plain carbon steel system. The piping will be disconnected from the OSGs, modified, and reinstalled when the RSGs are in place. The total work scope includes the effort to sever the blowdown piping attached to the OSGs, install the blowdown piping, including the rerouted piping and connect to the RSGs.

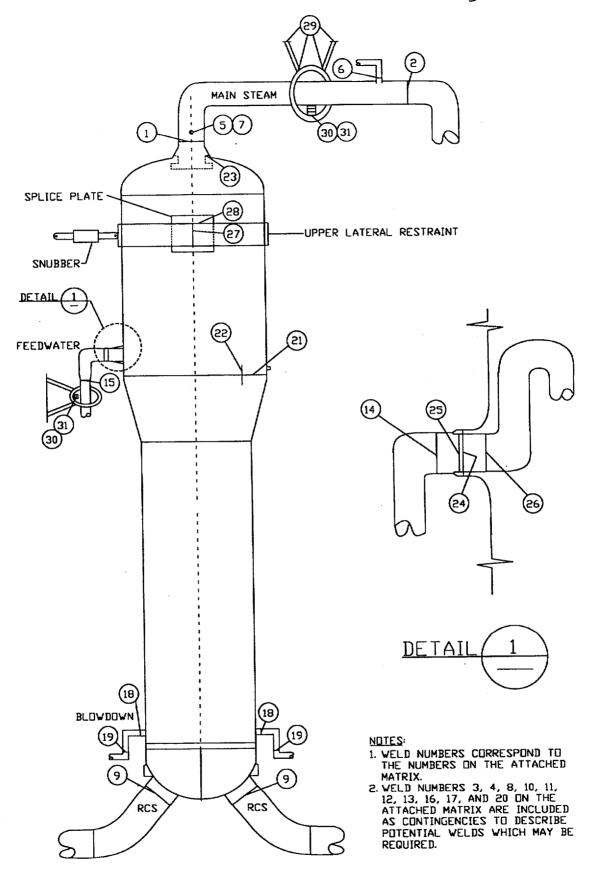
The blowdown nozzles on the RSG are on the same azimuth but lowered to $3^{1/8}$ inches below the existing OSG locations. The shell drain nozzles are eliminated on the RSG. The affected sections of the existing blowdown piping are modified to accommodate these changes on the RSG. In addition a 2x2x2 inch straight tee to a piping spool piece will be added to each loop. The spool piece consists of a short piping run to a globe valve followed by another short piping run to a flange/blind flange combination.

Materials

All replacement piping materials are of the same ASME or ASTM material specifications and grade as the materials they replace except for the feedwater elbows and reducers. These items, which were originally plain carbon steel (A/SA-105 and A/SA-106 Gr. B; P1 materials), are being replaced with materials of alloy steel (SA-234 WP22; P5 material). The alloy piping materials are more resistant to degradation due to flow assisted corrosion.

Installation Pressure Testing

In lieu of performing a system hydrostatic test, all systems and components affected by this Repair/Replacement activity shall be pressure tested after installation in accordance with Code Case N-416-1. The procedures specified for the construction code NDE have been reviewed and found to be in compliance with the methods and acceptance criteria of the applicable Subsection of ASME Section III, 1992 Edition, no addenda, as required by Code Case N-416-1. Prior to, or immediately upon return to service, a visual examination (VT-2) shall be performed in conjunction with the system leakage test (at the nominal operating pressure and temperature) in accordance with IWA-5000 of ASME Section XI, 1992 Edition, no addenda.



ASME SECTION XI REPAIR/REPLACEMENT PLAN FOR JO # C53316/C52695

Weld	int Description	Inst.	-		Nominal Pipe	Thick.	Preheat	Field Welding	Nondes Exami		PW		N	اE XI DE
Item	Component	Code		Material	Size	Sch or	۰F	Specification	(NI		Temp.	Time	UT/	PT/
No.		Date	P-No	Туре	Inches	Inches	(Min)	Procedure	Type	<u> %</u>	Range		RT	MT

,					MAIN STE	AM SYSTE	M (MS)	1.00		1.00				
					MARK OTE	AMOTOTE	in (mo)				1	ı	T	
1	MS Nozzle to MS Fitting	ASME III NC-1989, no Addenda	3 to1	SA-508 CL 2 to SA-234 WPB/WPC	32 OD	1.125 Wall	175	P3(G3),P1(G2)-AT- Lh (CVN +40)	MT RT	100 100	1100- 1150	1-1/4 hr.	UT	MT
2	MS Fitting to MS Pipe	ANSI B31.1- 1983	1	SA-234 WPB/WPC to SA-106 Gr C	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	МТ
3	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	MT
4	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to	30 OD	1.0 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1 hr.	ŲT	MT
5	MS Fittings / Pipe- Branch Connections	ANSI B31.1- 1983	1	SA-234 WPB/WPC or SA-106 Gr C to SA-105	2 & <	6000#	50	P1-AT-Lh or P1-T	MT	100	NA	NA	NA	NA
6	Vents & Sample Taps Pipe to Fitting (Socket Welds)	ANSI B31.1- 1983	1	SA -105 to SA -106 Gr B	2 & <	All	50	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
7	Gamma Port Plugs	ANSI B31.1- 1983	1	SA-105	2 & <	3000#	50 or 200	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
8	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh	MT	100	NA	NA	NA	МТ

This matrix is to be used in conjunction with the Repair/Replacement Plan document to which it is attached. It identifies the system or component to which each line item applies, provides the installation code and date of the item being installed/repaired, describes the material specification and ASME Section IX P-Number of the materials involved, the diameter and thickness of the materials to be welded, as applicable, the welding procedure to be used, the preheat and post weld heat treatment to be performed, the installation NDE to be performed in accordance with the installation code and applicable Owner's requirements and the Section XI required preservice/inservice NDE to be performed by the Owner. Where more than one temperature is listed in the welding preheat column, it is intended that the higher temperatures be applied to the heavier thickness welds in accordance with the installation code and Owner's requirements. The actual procedures for the activities described in the Matrix are contained in the D. C. Cook Unit 1 Steam Generator Replacement Project Special Processes Manual (SPM).

Materials described above are either ASME material (SA-XXX) or, where allowed, ASTM material (AXXX) which have been reconciled to the construction code date indicated in the Owner's Specification. When required, reconciliation documents are prepared and filed separately from this Repair/Replacement Plan.



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 1 of 4
FOR JOB ORDER C 53316/C2695	

Weld	.nt Description	Inst.			Nominal Pipe	Thick.	Preheat	Field Welding	Nondes Exami	tructive nation	PW °		☐, N	E XI
Item	Component	Code		Material	Size	Sch or	۰F	Specification	(NE	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No	Type	Inches	inches	(Min)	Procedure	Type	%	Range		RT	MT

				RFA(CTOR COO	DLANT SY	STEM (RO							
				KEA	JION GO	JEAN TO I	51 Em (13							
9	RC Nozzle Safe End to Elbow Hot / Crossover Leg	ASME III NB-1989, no Addenda	8	SA -336 F316N/LN to SA-351 CF8M	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
10	RC Elbow to Pipe Hot Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	29 ID	2.7	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
11	RC Elbow to Pipe Crossover Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
12	Attachment Welds	ASME III NB-1989, no Addenda	8	All	All	Ali	50	P8-T-1	PT	100	NA	NA	NA	PT
13	RC Nozzle Weld Repairs	ASME III NB-1989, no Addenda	43 to 8	F43 Weldmetal to SA-336 F316N/LN	31 ID	All	50	P43,P8-A	PT RT	100 100	NA	NA	UT	PT
	***					1000								
				MA	IN FEEDW	ATER SY	STEM (FV					************	- I have to draw	
		· · · · · · · · · · · · · · · · · · ·			Γ	T		I			T T	1		Т
14	S/G FW Nozzle Transition Ring to Elbow	ASME III NB-1989, no Addenda	43	SB-166 NO6690 to SA-234 WP22 (Buttered with UNS W86152)	16	0.844	50	P43-AT-Ag (52/152)	PT RT	100 100	NA	NA	UT	PT
15	FW Reducer To FW Pipe	ANSI B31.1- 1983	1	SA-234 WP22 (Buttered with E7018) to SA-106 Gr B	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	МТ
16	Feedwater Pipe to Pipe	ANSI B31.1- 1983	1	SA-106 Gr. B To Itself	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	МТ
17	Attachment Welds	ANSI B31.1- 1983	1	· All	All	< 1	50	P1-A-Lh	MT	100	NA	NA	NA	МТ



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 2 of 4
FOR JOB ORDER C 53316/C2695	

	nt Description			Nominal		Preheat		Nondestructive	PWHT	NDE	ΚĪ
Weld		Inst.		Pipe	Thick.	·	Welding	Examination			
Item	Component	Code	Material	Size	Sch or	۰F	Specification	(NDE)	Temp. Time	1 1	1
No.		Date	P-No Type	Inches	Inches	(Min)	Procedure	Type %	Range	RT M	/IT

C-1000														
				SG	BLOWD	OWN SYS	TEM (BD)							
		4.00					,							
18	SG Blowdown Nozzle to Pipe Socket Weld	ASME III NC-1989, no Addenda		SA-508 CL 3a with A No. 2 buildup to SA-106 Gr. B	2	sw	50	P1-AT-Lh or P1-T	МТ	100	NA .	NA	NA	NA
19	Fitting to Pipe Socket Welds	ANSI B31.1- 1983	1	SA-105 to SA-106 Gr. B	2	sw	50	P1-A-Lh or P1-T	МТ	100	NA	NA	NA	NA
20	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh or P1-T	мт	100	NA	NA	NA	NA
	l .	1.						20072	39.71					
				STEAM G	ENERAT	OR VESSE	L & INTE	RNALS						
		 				T	,	T Total	ı				<u> </u>	
21	Replacement Steam Generator Girth Weld	ASME III NB-1989, no Addenda	3	SA-508 CL 3a toSA-533 Gr. A CL 1	NA	4.0 Nom.	175	P3(G3)-A-Lh (CVN +60)	RT MT	100 100	1100- 1150	2.5 hrs	UT	MT
22	Steam Generator Temp. Fitup Attachments	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-533 Gr. A CL 1 or SA-508 CL 3a	NA	≤ 1/2	175	P3(G3), P1(G2)-A- Lh (CVN+40)	VT	100	Note1	Note 1	NA	NA
23	Main Steam Flow Restrictor Lugs to Main Steam Nozzle ID	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-508 CL 2	NA	1.125 Nom.	175	P3(G3), P1(G2)-A- Lh (CVN+40)	МТ	100	1100- 1150	1-1/4 hr.	NA	NA
24	FW Nozzle to FW Transition Ring	ASME III NB-1989, no Addenda	3 to 43	SA-508 CL 2 to SB-166 UNS N06690	18.75	1.188	175	P43,P3(G3)-AT-Ag (CVN +40)	RT PT	100 100	1100- 1150	1-1/4 hr	UΤ	PT
25	FW Transition Ring to Thermal Sleeve Spool Piece	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT RT	100 100	NA	NA	NA	NA
26	FW Thermal Sleeve to FW Header (Gooseneck)	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT	100	NA	NA	NA	NA
			1											

Note 1: After removal of the attachments, a PWHT of the attachment removal areas will be performed at the same time and temperature as for the PWHT of the steam generator girth weld.



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 3 of 4
FOR JOB ORDER C 53316/C2695	

	nt Description				Nominal	\sqcap	Preheat	Field	Nondes	tructive	PW	HT	<u></u> y	ιE XI
Weld	*	Inst.			Pipe	Thick.		Welding	Exami	nation	۱۰	F	N	DE
Item	Component	Code	ľ	Material	Size	Sch or	۰F	Specification	(NE	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No	Туре	Inches	Inches	(Min)	Procedure	Туре	%	Range		RT	MT

			ST	EAM GENERATO	OR SUPPO	ORTS AND	PIPING V	VHIP RESTRAINTS						
27	Upper Lateral Restraint Ring Girder	AWS D1.1	S3	A588 to Itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
28	Upper Lateral Restraint Ring Girder to Splice Plate	AWS D1.1	S3 to 1	A-588 to A36	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30) or S3(A588),P1-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
29	Main Steam Piping Whip Restraints	AWS D1.1	\$3	A-588 Gr. A or B to itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 4	NA	NA	NA	NA
30	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1	CS to CS	NA	Ali	Per D1.1 for T welded	P1-A-Lh (Structural)	VT	100	NA	NA	NA	NA
31	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1 to S3	CS to A588	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30)	٧T	100	NA	NA	NA	NA

Note 2: Prior to attaching new welds to the face of new or existing plates, ultrasonically examine the area under the weld and 3 inches each side of the weld in accordance with UT-Plate.

Note 3: MT shall be performed on all plate edges to be welded.

Note 4: For butt welds over 3/8" thick, examination of the root at 1/3 thickness shall be performed using the Direct Contact prod technique with direct current (HWDC). Either the Direct Contact prod technique with direct current or the Indirect Contact yoke technique with direct current may be used for the finished weld.

|--|

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 4 of 4
FOR JOB ORDER C 53316/C2695	

M	HI-5075 Rev. 5	 			
	ASI	ME SECTION XI	REPAIR/F	REPLACEMENT PROGR	AM
D.	C. Cook Unit 1	Section 2	XI Repair/F	Replacement Plan	Page 1 of 2
1.	JOB ORDER#	C53317/C52696		DATE	E: 11/23/99
2.				erator 1-OME-3-3; Nat. Bd.	
2. 3.	ISI CODE CLASS	_			1 & 2 (See cont. pages)
4.	REASON/FLAW:	•		Generator tube bundle as a r	
5.	MATERIAL FLAV			ddy current examinations	
6.	CAUSE OF FAIL			of the SG tubes, steam gene	
					repair the SG and allow the
				design capacity. Tube degr	
				n cracking and secondary s	ide outside diameter stress
			cracking.		
7.	WORK DESCRIP	PTION: See cor	tinuation pa	ages	
•	FLAW REMOVA	METHOD: S	team Gener	ator Lower Assembly to be	thermally cut from the steam
8.	FLAVV REIVIOVA			oing connections mechanica	
				pe done by complete replace	
				oundle with a more corrosio	
				from alloy 690TT.	
9.	CAVITY MEASU			/A	
10.	DIMENSIONAL I			/A	
11.	MATERIALS:	PIPE: See		atrix	
			See attache		
		FLANGE:	See attache	d matrix	
				ts-A574 Gr. 4340	
		_S	econdary M	lanway Bolts-SA-193 Gr. B7	
		NUT: N/A			
		FILLER MA		See SPM WPSs and WM	procedures
12.	SECTION XI:	1989 Edition, No	Addenda		
	DCC SPEC NO:	N/A		201 4 4007	ated by DCCDM 103
	EXISTING DESI	GN CODE/YEA		ig-B31.1-1967 as suppleme	
				team Generator-ASME III,	1905 Edition With Woo
			Addend	a. All piping-B31.1-1967 as s	cunniamented by
	EXISTING INST	ALLATION COL	IEI TEAK:		Generator-ASME III, 1965
				Edition with W66 Addenda	
	NEW DEGICAL	ODENEAD.	See att	ached matrix	
	NEW DESIGN C			accordance with attached n	natrix and QHI 5051
	NEW INSTALLA			143-1 for welding material, I	
	CODE CASES T	- DE 00111		Welding and NDE Matrix a	
	WELD PROCE	10KE NO: - 3	ce allacried	VVEIDING AND INDE MALIX A	TO ONOTOTI

MI	ll-5075 Rev. 5			JO # C53317/C52696
	ASI	ME SECTION XI REPAI	R/REPLACEMENT PROG	RAM
D.	C. Cook Unit 1	Section XI Repa	ir/Replacement Plan	Page 2 of 2
3.	SPECIAL REQUI	REMENTS: N/A		
١.	MAINTENANCE	PLANNER:	la Youelle	11/23/199
5.		ALUATION ERING/PROGRAMSAPF LLE XIIII	PROVAL: YES []	NO
3 .	PRESERVICE N PLANT ENGINEI KRWGRTH	ERING/PROGRAMS AP	YES □ NO See attache PROVAL ☑ YES □ NO Thurston 11/39	
7.	procedures	REQUIREMENTS: SE	e attached matrix and welding	and NDE
3.		·	T NDE REQUIREMENTS	N/A
	PLANT ENGINE	ERING APPROVAL:	YES I NO	
9.	LEAKAGE TEST	REQUIREMENTS: FI	nal leak test in accordance w	ith Code Case N416-1
	PA-PV APPROV	AL: DE YES D NO L	.T. Griffiths, PE	HAJANES H
0.	REMARKS:			
1. 2. 3		ERING CONCURRENC ENCE: 12 YES I NO	E: \(YES \(\) NO \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Resortal 11/29/9

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53317/C52696 on Steam Generator 1-OME-3-3

Block 3. (Continued from sheet 1 of 2)

3. ISI CODE CLASS/MATERIAL CLASS

Class 1 & 2 is specified to identify the applicable code class for both the steam generator (SG) and the associated piping. Class 1 applies to the entire SG vessel, vessel attachments, RCS piping, the feedwater nozzle transition ring, and the feedwater elbow/reducer. Class 2 applies to the balance of the Section XI work including: main steam piping, the feedwater reducer to pipe weld, blowdown piping, and feedwater header welding inside the SG.

Block 7. (Continued from sheet 1 of 2)

7. WORK DESCRIPTION

The following is a summarization of the Repair/Replacement activities to be performed on steam generator 1-OME-3-3, otherwise numbered National Board #68-33:

- a) removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs),
- b) severing and reconnecting the secondary system piping from the SG nozzles,
- c) removal and reinstallation of the upper and lower lateral supports to the steam generators,
- d) severing and reconnecting of reactor coolant loop piping,
- e) removal and reinstallation of sections of the main steam and feedwater system piping,
- f) removal and reinstallation of main steam pipe whip restraints,
- g) modification of the steam generator feedwater nozzles,
- h) replacement of feedwater elbows,
- i) performing the vessel girth cutting and welding,
- j) steam dome refurbishment,
- k) installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs),
- 1) vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs)

The four old steam generators ("old steam generators" refers to the original steam generators) are to be replaced as a direct result of tube degradation. Because of the scope and complexity of the Section XI Repair/Replacement activities that are to be performed, these activities have been broken down into separate work scopes as described in detail in the following Design Change Packages (DCPs):

01-DCP-300, Steam Generator Replacement

This package provides the necessary design change information to document replacement of the old steam generator lower assemblies with replacement lower assemblies and refurbishment of the steam domes, including all required NSSS analyses or evaluations.

01-DCP-305, Steam Generator Vessel and Large Bore Secondary Piping

The scope of work includes the removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs), severing secondary system piping from the SG nozzles, removal and reinstallation of sections of the main steam and feedwater system piping, removal and reinstallation of main steam pipe whip restraints, and modification of the steam generator feedwater nozzles and replacement of feedwater elbows. Work includes performing the vessel girth cutting and welding, steam dome refurbishment, and removal and reinstallation of thermocouples and accelerometers. This package also includes the work associated with installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs) and vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs), excluding RCS and small bore nozzle preparatory work.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53317/C52696 on Steam Generator 1-OME-3-3

01-DCP-306, Steam Generator Supports, Reactor Coolant System Supports, and RCS Piping
This package addresses SG supports (dead weight, upper lateral and lower lateral supports, SG snubbers, temporary support of the SGs for rigging), RCS piping templating, cutting, machining, welding and temporary supports; RCS pipe end decontamination; RCS cold and hot gap measurement program, and cut lines for severing RCS piping from the OSG at the OSG nozzle.

01-DCP-307, Small Bore Secondary Piping

This package addresses removal and reinstallation of the steam generator instrumentation piping, tubing, and supports; Blowdown system piping and supports; any associated instrument or root valve changes; and other attached small bore secondary piping/tubing and supports. Reference to this package is only for the purpose of describing Blowdown activities, since instrumentation is 1 inch and smaller, and exempt from the requirement to be addressed on a Repair/Replacement plan.

Old Steam Generator Cutting/Removing

The existing steam generator (1-OME-3-3) will be removed in two pieces. The steam dome will be removed after performing a girth cut of the vessel. The steam domes will be refurbished and reinstalled on the RSGLAs.

SG Vessel Girth Cutting

The girth cut will be made in the transition cone region and will be accomplished by flame cutting. Two cuts will be made approximately $2\frac{1}{2}$ " apart to allow access to cut the internal wrapper plate. Sufficient material (tabs) will be left in four areas around the circumference to support the steam dome. The wrapper plate will be cut from outside the SG after supporting the primary moisture separator inside the SG. After the steam dome is rigged to the Temporary Lifting Device, the final girth cut to sever the tabs can be completed and the dome will be removed with the moisture separator equipment inside it.

Steam Dome Refurbishment and Reinstallation

The existing steam dome internals (moisture separators, feedwater header, etc.) will be removed and disposed of per plant procedures. Removal of the existing internals will prepare the steam dome for installation of new internals.

The existing steam dome shell (pressure boundary) will be re-used with new internals as follows:

Main Steam Flow Restrictor

A flow restrictor will be installed in the main steam nozzle of each SG as part of the steam dome refurbishment.

Moisture Separator Equipment

New moisture separator equipment will be installed in the steam dome and welded to the existing attachment points at the top of the steam dome. The welds to install the moisture separator modules will not attach directly to the vessel pressure boundary. Installation of the moisture separator modules has been evaluated and determined not to impact the pressure boundary integrity.

Feedwater Nozzle

The FW nozzle profile will be machined to accept a new transition ring which will serve as a nozzle safe end. A new thermal sleeve will also be installed inside the FW nozzle, connecting the ID of the transition ring to the internal feedwater header/gooseneck assembly.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53317/C52696 on Steam Generator 1-OME-3-3

Feedwater Header and Gooseneck

A new feedwater header with J-tubes and a feedwater gooseneck will be installed inside the steam dome and welded to the thermal sleeve of the feedwater nozzle transition ring. Existing feedwater header support attachments inside the steam dome will be cut back and abandoned in place. This work will not impact the pressure boundary integrity.

Vessel Preparation

The steam dome shell will be trimmed to its final length and the girth weld edge will be prepared for a full penetration butt weld.

Secondary Manways

The seating surfaces of both the manway covers and the manway openings for the two 16" steam drum manways will be remachined, if required, to recondition the gasket sealing areas.

Girth Welding, PWHT, and NDE

The initial SG girth cut to remove the steam dome will be accomplished by flame cutting. The final weld prep of the steam dome girth weld will be performed by machining. The requirements of IWA-4321 will therefore be satisfied.

After the RSGLA is in place and RCS welding is partially completed, the steam dome will be reinstalled and girth welding of the vessel shell will be performed. Final NDE will consist of 100% radiography and 100% MT or PT. PWHT will be performed in accordance with the Special Processes Manual (SPM). Girth welding, including PWHT and final NDE, shall be completed prior to refueling. The heat generated from welding and PWHT activities will be removed by a combination of existing plant ventilation and temporary coolers installed in containment.

ASME Code Rating Plate

The ASME code rating plate for the RSGLA is mounted on a bracket on the SG channel head. The bracket will be modified to avoid interference with the installation of replacement thermal insulation. The mounting plate portion of the bracket will be enlarged to accommodate both the code rating plate for the RSGLA and the code rating plate from the OSG.

Secondary Manways

Following completion of internal assembly, secondary manway covers shall be reinstalled using new manway bolts.

Primary Manways

Should a primary manway bolt be inadvertently damaged, replacement bolting material shall be ultrasonically examined to meet preservice NDE requirements.

Primary Piping Severing and Reconnection

Reactor Coolant Loop Piping

The RCS piping will be severed from the existing generators for the steam generators to be removed. At this time, it will also be necessary to temporarily support the hot leg and crossover leg piping to prevent the piping system from becoming over-stressed, and also to facilitate fit-up to the new generator nozzles. The cuts for the elbows are planned in two alternatives described as the two-cut method (severing the SG at the primary nozzle to piping welds) and the three-cut method (replacement of a crossover leg elbow). The three-cut method will be used only in the event that proper RCS fit-up cannot be attained for any or all of the steam generators. The

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53317/C52696 on Steam Generator 1-OME-3-3

objective is to ensure proper fit-up for welding of reactor coolant loop, and to ensure the weld joint geometry meets preservice inspection requirements. This task includes templating, pipe cutting, machining, and rewelding to the RSG. The pipe machining is based on templating data from the existing reactor coolant loop piping and replacement steam generator templating in conjunction with CAD modeling.

Secondary Piping Removal and Reinstallation

Main Steam

Prior to cutting the main steam pipe, temporary piping supports shall be installed. Main steam piping will be cut and reinstalled at the SG nozzle and at the piping-to-elbow weld at the inlet to the second elbow. Prior to performing reinstallation welds for the main steam piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized. The main steam piping will be reinstalled per the existing design configuration.

The main steam whip restraint attached to the enclosure roof will be cut, removed, and reinstalled.

Feedwater

Prior to cutting the feedwater pipe, temporary piping suports shall be installed. Feedwater piping will be cut and reinstalled at the SG nozzle and at the reducer-to-piping weld on the bottom of the reducer. The cut at the FW nozzle will sever both the pipe and the existing elbow liner. The elbow and reducer will be replaced with an unlined Chrome-Molybdenum (SA234 WP22) elbow and reducer, which provide increased resistance to flow accelerated corrosion when compared to carbon steel pipe material. Prior to performing reinstallation welds for the feedwater piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized.

Steam Generator Blowdown

The steam generator blowdown piping is a socket welded, small diameter, plain carbon steel system. The piping will be disconnected from the OSGs, modified, and reinstalled when the RSGs are in place. The total work scope includes the effort to sever the blowdown piping attached to the OSGs, install the blowdown piping, including the rerouted piping and connect to the RSGs.

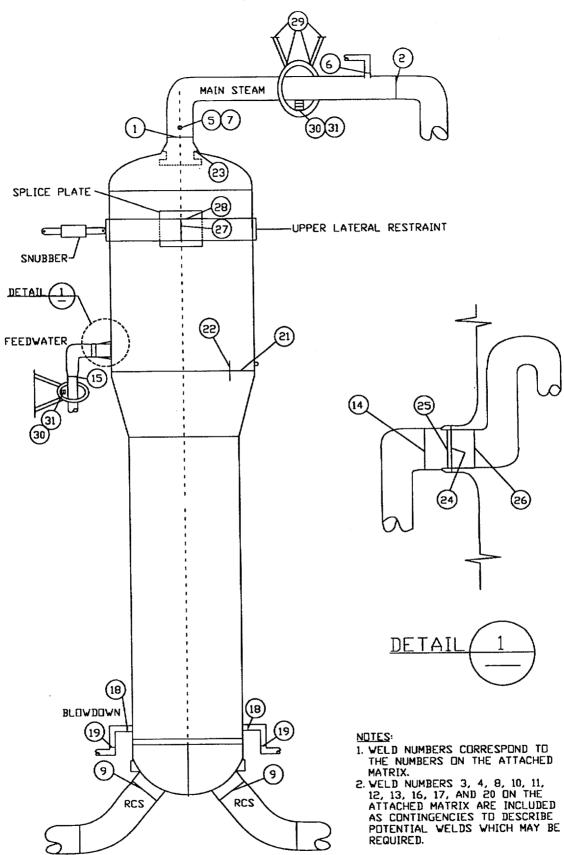
The blowdown nozzles on the RSG are on the same azimuth but lowered to $3^{1}/_{8}$ inches below the existing OSG locations. The shell drain nozzles are eliminated on the RSG. The affected sections of the existing blowdown piping are modified to accommodate these changes on the RSG. In addition a 2x2x2 inch straight tee to a piping spool piece will be added to each loop. The spool piece consists of a short piping run to a globe valve followed by another short piping run to a flange/blind flange combination.

Materials

All replacement piping materials are of the same ASME or ASTM material specifications and grade as the materials they replace except for the feedwater elbows and reducers. These items, which were originally plain carbon steel (A/SA-105 and A/SA-106 Gr. B; P1 materials), are being replaced with materials of alloy steel (SA-234 WP22; P5 material). The alloy piping materials are more resistant to degradation due to flow assisted corrosion.

Installation Pressure Testing

In lieu of performing a system hydrostatic test, all systems and components affected by this Repair/Replacement activity shall be pressure tested after installation in accordance with Code Case N-416-1. The procedures specified for the construction code NDE have been reviewed and found to be in compliance with the methods and acceptance criteria of the applicable Subsection of ASME Section III, 1992 Edition, no addenda, as required by Code Case N-416-1. Prior to, or immediately upon return to service, a visual examination (VT-2) shall be performed in conjunction with the system leakage test (at the nominal operating pressure and temperature) in accordance with IWA-5000 of ASME Section XI, 1992 Edition, no addenda.



ASME SECTION XI REPAIR/REPLACEMENT PLAN FOR JO # C53317/C52696

Weld	Joint Description	Inst.		Nominal Pipe	Thick.	Preheat	Field Welding	Nondestructive Examination	PWHT °F		E XI DE
Item	Component	Code	Material	Size	Sch or	۰F	Specification	(NDE)	Temp. Time	UT/	PT/
No.	i	Date	P-No Type	Inches	Inches	(Min)	Procedure	Type %	Range	RT	MT

	The state of the s				MAIN STE	AM SYSTE	EM (MS)							
		-						1		ı	ı			
1	MS Nozzle to MS Fitting	ASME III NC-1989, no Addenda	3 to1	SA-508 CL 2 to SA-234 WPB/WPC	32 OD	1.125 Wall	175	P3(G3),P1(G2)-AT- Lh (CVN +40)	MT RT	100 100	1100- 1150	1-1/4 hr.	UT	MT
2	MS Fitting to MS Pipe	ANSI B31.1- 1983	1	SA-234 WPB/WPC to SA-106 Gr C	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	МТ
3	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to itself	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	МТ
4	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to itself	30 OD	1.0 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1 hr.	UT	MT
5	MS Fittings / Pipe- Branch Connections	ANSI B31.1- 1983	1	SA-234 WPB/WPC or SA-106 Gr C to SA-105	2 & <	6000#	50	P1-AT-Lh or P1-T	MT	100	NA	NA	NA	NA
6	Vents & Sample Taps Pipe to Fitting (Socket Welds)	ANSI B31.1- 1983	1	SA -105 to SA -106 Gr B	2 & <	All	50	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
7	Gamma Port Plugs	ANSI B31.1- 1983	1	SA-105	2 & <	3000#	50 or 200	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
8	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh	МТ	100	NA	NA	NA	мт

This matrix is to be used in conjunction with the Repair/Replacement Plan document to which it is attached. It identifies the system or component to which each line item applies, provides the installation code and date of the item being installed/repaired, describes the material specification and ASME Section IX P-Number of the materials involved, the diameter and thickness of the materials to be welded, as applicable, the welding procedure to be used, the preheat and post weld heat treatment to be performed, the installation NDE to be performed in accordance with the installation code and applicable Owner's requirements and the Section XI required preservice/inservice NDE to be performed by the Owner. Where more than one temperature is listed in the welding preheat column, it is intended that the higher temperatures be applied to the heavier thickness welds in accordance with the installation code and Owner's requirements. The actual procedures for the activities described in the Matrix are contained in the D. C. Cook Unit 1 Steam Generator Replacement Project Special Processes Manual (SPM).

Materials described above are either ASME material (SA-XXX) or, where allowed, ASTM material (AXXX) which have been reconciled to the construction code date indicated in the Owner's Specification. When required, reconciliation documents are prepared and filed separately from this Repair/Replacement Plan.



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 1 of 4
FOR JOB ORDER C 53317/C2696	

	1				1							
	int Description			Nominal		Preheat	Field	Nondestructive	PWF	łT	. بلات	/E XI
Weld		Inst.		Pipe	Thick.		Welding	Examination	۰F	'	N	DE
ltem	Component	Code	Material	Size	Sch or	∘F	Specification	(NDE)	Temp.	Time	UT/	PT/
No.		Date	P-No Type	Inches	Inches	(Min)	Procedure	Type %	Range		RT	MT

				RFA	CTOR CO	DLANT SY	STEM (RO	CS)						
9	RC Nozzle Safe End to Elbow Hot / Crossover Leg	ASME III NB-1989, no Addenda	8	SA -336 F316N/LN to SA-351 CF8M	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
10	RC Elbow to Pipe Hot Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	29 ID	2.7	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
11	RC Elbow to Pipe Crossover Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PΤ
12	Attachment Welds	ASME III NB-1989, no Addenda	8	All	All	All	50	P8-T-1	PT	100	NA	NA	NA	PT
13	RC Nozzle Weld Repairs	ASME III NB-1989, no Addenda	43 to 8	F43 Weldmetal to SA-336 F316N/LN	31 ID	All	50	P43,P8-A	PT RT	100 100	NA	NA	UT	РТ
				* * *										
				MA	IN FEEDW	ATER SY	STEM (FV	V)						
14	S/G FW Nozzle Transition Ring to Elbow	ASME III NB-1989, no Addenda	43	SB-166 NO6690 to SA-234 WP22 (Buttered with UNS W86152)	16	0.844	50	P43-AT-Ag (52/152)	PT RT	100 100	NA	NA	UT .	PT
15	FW Reducer To FW Pipe	ANSI B31.1- 1983	1	SA-234 WP22 (Buttered with E7018) to SA-106 Gr B	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	МТ
16	Feedwater Pipe to Pipe	ANSI B31.1- 1983	1	SA-106 Gr. B To Itself	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	МТ
17	Attachment Welds	ANSI B31.1- 1983	1	All	All	< 1	50	P1-A-Lh	мт	100	NA	NA	NA	МТ

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 2 of 4
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	j i													
	nt Description		1		Nominal	1/	Preheat	Field	Nondes	tructive	PW	HT)	,E XI
Weld	•	Inst.			Pipe	Thick.		Welding	Exami	nation	١٠	F	N	IDE
Item	Component	Code	M	aterial	Size	Sch or	۰F	Specification	(NE	E)	Temp.	Time	UT/	PT/
No.		Date	P-No	Туре	Inches	Inches	(Min)	Procedure	Туре	%	Range		RT	MT

				SG	BLOWD	OWN SYS	TEM (BD)							
T		<u> </u>		Т	T	T	T		<u> </u>			Т		
18	SG Blowdown Nozzle to Pipe Socket Weld	ASME III NC-1989, no Addenda		SA-508 CL 3a with A No. 2 buildup to SA-106 Gr. B	2	sw	50	P1-AT-Lh or P1-T	МТ	100	NA	NA	NA	NA
19	Fitting to Pipe Socket Welds	ANSI B31.1- 1983	1	SA-105 to SA-106 Gr. B	2	sw	50	P1-A-Lh or P1-T	МТ	100	NA	NA	NA	NA
20	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh or P1-T	мт	100	NA	NA	NA	NA
				STEAM G	ENERAT	OR VESSE	L & INTE	RNALS						
		ASME III		SA-508 CL 3a					l	T		Ï	Ī	Γ
21	Replacement Steam Generator Girth Weld	NB-1989, no Addenda	3	toSA-533 Gr. A CL 1	NA	4.0 Nom.	175	P3(G3)-A-Lh (CVN +60)	RT MT	100 100	1100- 1150	2.5 hrs	UT	M
22	Steam Generator Temp. Fitup Attachments	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-533 Gr. A CL 1 or SA-508 CL 3a	NA	≤ 1/2	175	P3(G3), P1(G2)-A- Lh (CVN+40)	VT	100	Note1	Note 1	NA	N/
23	Main Steam Flow Restrictor Lugs to Main Steam Nozzle ID	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-508 CL 2	NA	1.125 Nom.	175	P3(G3), P1(G2)-A- Lh (CVN+40)	МТ	100	1100- 1150	1-1/4 hr.	NA	N/
24	FW Nozzle to FW Transition Ring	ASME III NB-1989, no Addenda	3 to 43	SA-508 CL 2 to SB-166 UNS N06690	18.75	1.188	175	P43,P3(G3)-AT-Ag (CVN +40).	RT PT	100 100	1100- 1150	1-1/4 hr	UT	P.
25	FW Transition Ring to Thermal Sleeve Spool Piece	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT RT	100 100	NA	NA	NA	N.
26	FW Thermal Sleeve to FW Header (Gooseneck)	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT	100	NA	NA	NA	N

Note 1: After removal of the attachments, a PWHT of the attachment removal areas will be performed at the same time and temperature as for the PWHT of the steam generator girth weld.

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 3 of 4
FOR JOB ORDER C 53317/C2696	

	int Description				Nominal	\sqcap	Preheat	Field	Nondestr	uctive	PW	HT	罛.	iE XI
Weld		Inst.			Pipe	Thick.	1	Welding	Examin	ation	۱۰	F	N	DE
Item	Component	Code	1	Material	Size	Sch or	۰F	Specification	(ND	E)	Temp.	Time	UT/	PT/
No.		Date	P-No	Туре	inches	Inches	(Min)	Procedure	Туре	%	Range		RT	MT

			ST	EAM GENERAT	OR SUPPO	ORTS AND	PIPING V	VHIP RESTRAINTS						
27	Upper Lateral Restraint Ring Girder	AWS D1.1	S3	A588 to Itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
28	Upper Lateral Restraint Ring Girder to Splice Plate	AWS D1.1	S3 to 1	A-588 to A36	NA ·	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30) or S3(A588),P1-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
29	Main Steam Piping Whip Restraints	AWS D1.1	\$3	A-588 Gr. A or B to itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 4	NA	NA	NA	NA
30	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1	CS to CS	NA	All	Per D1.1 for T welded	P1-A-Lh (Structural)	۷T	100	NA	NA	NA	NA
31	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1 to S3	CS to A588	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30)	٧٢	100	NA	NA	NA	NA

Note 2: Prior to attaching new welds to the face of new or existing plates, ultrasonically examine the area under the weld and 3 inches each side of the weld in accordance with UT-Plate.

Note 3: MT shall be performed on all plate edges to be welded.

Note 4: For butt welds over 3/8" thick, examination of the root at 1/3 thickness shall be performed using the Direct Contact prod technique with direct current or the Indirect Contact yoke technique with direct current may be used for the finished weld.

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 4 of 4
FOR JOB ORDER C 53317/C2696	

MHI-5075 I	Rev. 5		
	ASME SECTION XI REPAI	R/REPLACEMENT PROGR	AM .
D. C. Cook	Unit 1 Section XI Repa	ir/Replacement Plan	Page 1 of 2
1. JOB O	RDER # C53318/C52697	DATI	E: 11/23/99
	ONENT OR SUPPORT: Steam G	Generator 1-OME-3-4; Nat. Bd.	#68-34
3. ISI CO	DE CLASS: 1 & 2 (See cont. page	s) MATERIAL CLASS	1 & 2 (See cont. pages)
4. REASO	ON/FLAW: Replacement of Steam	m Generator tube bundle as a	result of tube degradation
5. MATE	RIAL FLAW DISCOVERY: Routin	e eddy current examinations	
	E OF FAILURE: Due to degradation	on of the SG tubes, steam gene	erator replacement has
		cessary. This replacement will	
	unit to operate at	its design capacity. Tube deg	radation was due to primary
	water stress corre	osion cracking and secondary s	side outside diameter stress
	corrosion crackin	g	
7. WORK	DESCRIPTION: See continuation	pages	
8. FLAW	REMOVAL METHOD: Steam Ge	nerator Lower Assembly to be	thermally cut from the stear
.		piping connections mechanica	
	removal w	rill be done by complete replac	ement of the existing alloy
	600MA tu	be bundle with a more corrosio	n resistant tube bundle
	manufact	red from alloy 690TT.	
9. CAVIT	Y MEASUREMENT METHOD:	N/A	
10. DIMEI	NSIONAL REFERENCE POINTS:	N/A	
11. MATE	RIALS: PIPE: See attached	I matrix	
		ched matrix	
		ched matrix	
	202.0.	Bolts-A574 Gr. 4340	-
		y Manway Bolts-SA-193 Gr. B	
	NUT: N/A	S: See SPM WPSs and WM	procedures
40 0507			procedures
		<u>a</u>	
	SPEC NO: <u>N/A</u> TING DESIGN CODE/YEAR: All p	ining-B31 1-1967 as suppleme	inted by DCCPM-103
EXIS	OCI	I, Steam Generator-ASME III,	1965 Edition with W66
		enda.	
EAIG.	ring installation code/yeal		supplemented by
EVIS			Generator-ASME III, 1965
		Edition with W66 Addend	
VIE/V/	DESIGN CODE/YEAR: See	attached matrix	
			natrix and QHI 5051
NEW CODI	INSTALLATION CODE/YEAR: E CASES TO BE USED: 2142-1	In accordance with attached n § 2143-1 for welding material, led Welding and NDE Matrix a	N-416-1

MH	1I-5075 Rev. 5		JO # C53318/C52697
	ASI	ME SECTION XI REPAIR/REPLACEMENT	PROGRAM
D.	C. Cook Unit 1	Section XI Repair/Replacement Plan	Page 2 of 2
13.	SPECIAL REQUI	REMENTS: N/A	
14.	MAINTENANCE	PLANNER: Ta Moulle	nleskq
15.	SUITABILITY EV PLANT ENGINE J.O. O	ERING/PROGRAMSAPPROVAL: 🗡 YI	ES 🗆 NO
16.	PRESERVICE N PLANT ENGINE KRWORTH	ERING/PROGRAMS APPROVAL ZE YES	attached matrix □ NO /29 /99
17.	procedures	REQUIREMENTS: See attached matrix and	
18.	NON-WELDED I	REPAIR/REPLACEMENT NDE REQUIREME	ENTS N/A
	PLANT ENGINE	ERING APPROVAL: YES NO	
19.	LEAKAGE TEST	REQUIREMENTS: Final leak test in accord	fance with Code Case N416-1
	PA-PV APPROV	VAL: PE YES I NO RT. G. G. H.S.	PE PROFFERENCE 11/19/59
20.	REMARKS:		
21. 22. 23.		EERING CONCURRENCE: BYES INO ENCE: SE YES INO INC.	/ KWorth 11/29/9

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53318/C52697 on Steam Generator 1-OME-3-4

Block 3. (Continued from sheet 1 of 2)

3. ISI CODE CLASS/MATERIAL CLASS

Class 1 & 2 is specified to identify the applicable code class for both the steam generator (SG) and the associated piping. Class 1 applies to the entire SG vessel, vessel attachments, RCS piping, the feedwater nozzle transition ring, and the feedwater elbow/reducer. Class 2 applies to the balance of the Section XI work including: main steam piping, the feedwater reducer to pipe weld, blowdown piping, and feedwater header welding inside the SG.

Block 7. (Continued from sheet 1 of 2)

7. WORK DESCRIPTION

The following is a summarization of the Repair/Replacement activities to be performed on steam generator 1-OME-3-4, otherwise numbered National Board #68-34:

- a) removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs),
- b) severing and reconnecting the secondary system piping from the SG nozzles,
- c) removal and reinstallation of the upper and lower lateral supports to the steam generators,
- d) severing and reconnecting of reactor coolant loop piping,
- e) removal and reinstallation of sections of the main steam and feedwater system piping,
- f) removal and reinstallation of main steam pipe whip restraints,
- g) modification of the steam generator feedwater nozzles,
- h) replacement of feedwater elbows,
- i) performing the vessel girth cutting and welding,
- j) steam dome refurbishment,
- k) installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs),
- 1) vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs)

The four old steam generators ("old steam generators" refers to the original steam generators) are to be replaced as a direct result of tube degradation. Because of the scope and complexity of the Section XI Repair/Replacement activities that are to be performed, these activities have been broken down into separate work scopes as described in detail in the following Design Change Packages (DCPs):

01-DCP-300, Steam Generator Replacement

This package provides the necessary design change information to document replacement of the old steam generator lower assemblies with replacement lower assemblies and refurbishment of the steam domes, including all required NSSS analyses or evaluations.

01-DCP-305, Steam Generator Vessel and Large Bore Secondary Piping

The scope of work includes the removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs), severing secondary system piping from the SG nozzles, removal and reinstallation of sections of the main steam and feedwater system piping, removal and reinstallation of main steam pipe whip restraints, and modification of the steam generator feedwater nozzles and replacement of feedwater elbows. Work includes performing the vessel girth cutting and welding, steam dome refurbishment, and removal and reinstallation of thermocouples and accelerometers. This package also includes the work associated with installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs) and vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs), excluding RCS and small bore nozzle preparatory work.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53318/C52697 on Steam Generator 1-OME-3-4

Block 3. (Continued from sheet 1 of 2)

3. ISI CODE CLASS/MATERIAL CLASS

Class 1 & 2 is specified to identify the applicable code class for both the steam generator (SG) and the associated piping. Class 1 applies to the entire SG vessel, vessel attachments, RCS piping, the feedwater nozzle transition ring, and the feedwater elbow/reducer. Class 2 applies to the balance of the Section XI work including: main steam piping, the feedwater reducer to pipe weld, blowdown piping, and feedwater header welding inside the SG.

Block 7. (Continued from sheet 1 of 2)

7. WORK DESCRIPTION

The following is a summarization of the Repair/Replacement activities to be performed on steam generator 1-OME-3-4, otherwise numbered National Board #68-34:

- a) removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs),
- b) severing and reconnecting the secondary system piping from the SG nozzles,
- c) removal and reinstallation of the upper and lower lateral supports to the steam generators,
- d) severing and reconnecting of reactor coolant loop piping,
- e) removal and reinstallation of sections of the main steam and feedwater system piping,
- f) removal and reinstallation of main steam pipe whip restraints,
- g) modification of the steam generator feedwater nozzles,
- h) replacement of feedwater elbows,
- i) performing the vessel girth cutting and welding,
- j) steam dome refurbishment,
- k) installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs),
- l) vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs)

The four old steam generators ("old steam generators" refers to the original steam generators) are to be replaced as a direct result of tube degradation. Because of the scope and complexity of the Section XI Repair/Replacement activities that are to be performed, these activities have been broken down into separate work scopes as described in detail in the following Design Change Packages (DCPs):

01-DCP-300, Steam Generator Replacement

This package provides the necessary design change information to document replacement of the old steam generator lower assemblies with replacement lower assemblies and refurbishment of the steam domes, including all required NSSS analyses or evaluations.

01-DCP-305, Steam Generator Vessel and Large Bore Secondary Piping

The scope of work includes the removal of the old steam generators (OSGs), installation of the replacement steam generators (RSGs), severing secondary system piping from the SG nozzles, removal and reinstallation of sections of the main steam and feedwater system piping, removal and reinstallation of main steam pipe whip restraints, and modification of the steam generator feedwater nozzles and replacement of feedwater elbows. Work includes performing the vessel girth cutting and welding, steam dome refurbishment, and removal and reinstallation of thermocouples and accelerometers. This package also includes the work associated with installation of shield covers and plugs for all nozzles and openings in the old steam generator lower assemblies (OSGLAs) and vessel preparatory work for the replacement steam generator lower assemblies (RSGLAs), excluding RCS and small bore nozzle preparatory work.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53318/C52697 on Steam Generator 1-OME-3-4

01-DCP-306, Steam Generator Supports, Reactor Coolant System Supports, and RCS Piping
This package addresses SG supports (dead weight, upper lateral and lower lateral supports, SG snubbers, temporary support of the SGs for rigging), RCS piping templating, cutting, machining, welding and temporary supports; RCS pipe end decontamination; RCS cold and hot gap measurement program, and cut lines for severing RCS piping from the OSG at the OSG nozzle.

01-DCP-307, Small Bore Secondary Piping

This package addresses removal and reinstallation of the steam generator instrumentation piping, tubing, and supports; Blowdown system piping and supports; any associated instrument or root valve changes; and other attached small bore secondary piping/tubing and supports. Reference to this package is only for the purpose of describing Blowdown activities, since instrumentation is 1 inch and smaller, and exempt from the requirement to be addressed on a Repair/Replacement plan.

Old Steam Generator Cutting/Removing

The existing steam generator (1-OME-3-4) will be removed in two pieces. The steam dome will be removed after performing a girth cut of the vessel. The steam domes will be refurbished and reinstalled on the RSGLAs.

SG Vessel Girth Cutting

The girth cut will be made in the transition cone region and will be accomplished by flame cutting. Two cuts will be made approximately $2\frac{1}{2}$ " apart to allow access to cut the internal wrapper plate. Sufficient material (tabs) will be left in four areas around the circumference to support the steam dome. The wrapper plate will be cut from outside the SG after supporting the primary moisture separator inside the SG. After the steam dome is rigged to the Temporary Lifting Device, the final girth cut to sever the tabs can be completed and the dome will be removed with the moisture separator equipment inside it.

Steam Dome Refurbishment and Reinstallation

The existing steam dome internals (moisture separators, feedwater header, etc.) will be removed and disposed of per plant procedures. Removal of the existing internals will prepare the steam dome for installation of new internals.

The existing steam dome shell (pressure boundary) will be re-used with new internals as follows:

Main Steam Flow Restrictor

A flow restrictor will be installed in the main steam nozzle of each SG as part of the steam dome refurbishment.

Moisture Separator Equipment

New moisture separator equipment will be installed in the steam dome and welded to the existing attachment points at the top of the steam dome. The welds to install the moisture separator modules will not attach directly to the vessel pressure boundary. Installation of the moisture separator modules has been evaluated and determined not to impact the pressure boundary integrity.

Feedwater Nozzle

The FW nozzle profile will be machined to accept a new transition ring which will serve as a nozzle safe end. A new thermal sleeve will also be installed inside the FW nozzle, connecting the ID of the transition ring to the internal feedwater header/gooseneck assembly.

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53318/C52697 on Steam Generator 1-OME-3-4

Feedwater Header and Gooseneck

A new feedwater header with J-tubes and a feedwater gooseneck will be installed inside the steam dome and welded to the thermal sleeve of the feedwater nozzle transition ring. Existing feedwater header support attachments inside the steam dome will be cut back and abandoned in place. This work will not impact the pressure boundary integrity.

Vessel Preparation

The steam dome shell will be trimmed to its final length and the girth weld edge will be prepared for a full penetration butt weld.

Secondary Manways

The seating surfaces of both the manway covers and the manway openings for the two 16" steam drum manways will be remachined, if required, to recondition the gasket sealing areas.

Girth Welding, PWHT, and NDE

The initial SG girth cut to remove the steam dome will be accomplished by flame cutting. The final weld prep of the steam dome girth weld will be performed by machining. The requirements of IWA-4321 will therefore be satisfied.

After the RSGLA is in place and RCS welding is partially completed, the steam dome will be reinstalled and girth welding of the vessel shell will be performed. Final NDE will consist of 100% radiography and 100% MT or PT. PWHT will be performed in accordance with the Special Processes Manual (SPM). Girth welding, including PWHT and final NDE, shall be completed prior to refueling. The heat generated from welding and PWHT activities will be removed by a combination of existing plant ventilation and temporary coolers installed in containment.

ASME Code Rating Plate

The ASME code rating plate for the RSGLA is mounted on a bracket on the SG channel head. The bracket will be modified to avoid interference with the installation of replacement thermal insulation. The mounting plate portion of the bracket will be enlarged to accommodate both the code rating plate for the RSGLA and the code rating plate from the OSG.

Secondary Manways

Following completion of internal assembly, secondary manway covers shall be reinstalled using new manway

Primary Manways

Should a primary manway bolt be inadvertently damaged, replacement bolting material shall be ultrasonically examined to meet preservice NDE requirements.

Primary Piping Severing and Reconnection

Reactor Coolant Loop Piping

The RCS piping will be severed from the existing generators for the steam generators to be removed. At this time, it will also be necessary to temporarily support the hot leg and crossover leg piping to prevent the piping system from becoming over-stressed, and also to facilitate fit-up to the new generator nozzles. The cuts for the elbows are planned in two alternatives described as the two-cut method (severing the SG at the primary nozzle to piping welds) and the three-cut method (replacement of a crossover leg elbow). The three-cut method will be used only in the event that proper RCS fit-up cannot be attained for any or all of the steam generators. The

CONTINUATION SHEETS TO REPAIR/REPLACEMENT PLAN FOR JOB ORDER C53318/C52697 on Steam Generator 1-OME-3-4

objective is to ensure proper fit-up for welding of reactor coolant loop, and to ensure the weld joint geometry meets preservice inspection requirements. This task includes templating, pipe cutting, machining, and rewelding to the RSG. The pipe machining is based on templating data from the existing reactor coolant loop piping and replacement steam generator templating in conjunction with CAD modeling.

Secondary Piping Removal and Reinstallation

Main Steam

Prior to cutting the main steam pipe, temporary piping supports shall be installed. Main steam piping will be cut and reinstalled at the SG nozzle and at the piping-to-elbow weld at the inlet to the second elbow. Prior to performing reinstallation welds for the main steam piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized. The main steam piping will be reinstalled per the existing design configuration.

The main steam whip restraint attached to the enclosure roof will be cut, removed, and reinstalled.

Feedwater

Prior to cutting the feedwater pipe, temporary piping suports shall be installed. Feedwater piping will be cut and reinstalled at the SG nozzle and at the reducer-to-piping weld on the bottom of the reducer. The cut at the FW nozzle will sever both the pipe and the existing elbow liner. The elbow and reducer will be replaced with an unlined Chrome-Molybdenum (SA234 WP22) elbow and reducer, which provide increased resistance to flow accelerated corrosion when compared to carbon steel pipe material. Prior to performing reinstallation welds for the feedwater piping, SG girth welding shall be partially completed such that thermal movement due to welding is minimized.

Steam Generator Blowdown

The steam generator blowdown piping is a socket welded, small diameter, plain carbon steel system. The piping will be disconnected from the OSGs, modified, and reinstalled when the RSGs are in place. The total work scope includes the effort to sever the blowdown piping attached to the OSGs, install the blowdown piping, including the rerouted piping and connect to the RSGs.

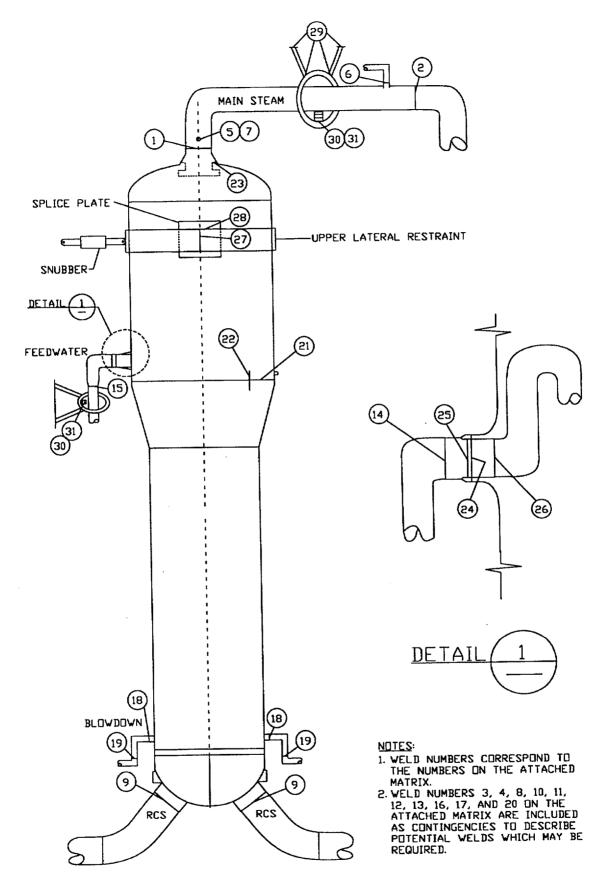
The blowdown nozzles on the RSG are on the same azimuth but lowered to 3 ¹/₈ inches below the existing OSG locations. The shell drain nozzles are eliminated on the RSG. The affected sections of the existing blowdown piping are modified to accommodate these changes on the RSG. In addition a 2x2x2 inch straight tee to a piping spool piece will be added to each loop. The spool piece consists of a short piping run to a globe valve followed by another short piping run to a flange/blind flange combination.

Materials

All replacement piping materials are of the same ASME or ASTM material specifications and grade as the materials they replace except for the feedwater elbows and reducers. These items, which were originally plain carbon steel (A/SA-105 and A/SA-106 Gr. B; P1 materials), are being replaced with materials of alloy steel (SA-234 WP22; P5 material). The alloy piping materials are more resistant to degradation due to flow assisted corrosion.

Installation Pressure Testing

In lieu of performing a system hydrostatic test, all systems and components affected by this Repair/Replacement activity shall be pressure tested after installation in accordance with Code Case N-416-1. The procedures specified for the construction code NDE have been reviewed and found to be in compliance with the methods and acceptance criteria of the applicable Subsection of ASME Section III, 1992 Edition, no addenda, as required by Code Case N-416-1. Prior to, or immediately upon return to service, a visual examination (VT-2) shall be performed in conjunction with the system leakage test (at the nominal operating pressure and temperature) in accordance with IWA-5000 of ASME Section XI, 1992 Edition, no addenda.



ASME SECTION XI REPAIR/REPLACEMENT PLAN FOR JO # C53318/C52697

	nt Description			Nominal	\sqcap	Preheat	Field	Nondestructive	PWHT	□, .	ιE XI
Weld	•	Inst.		Pipe	Thick.		Welding	Examination	۰F	NI	DE
ltem	Component	Code	Material	Size	Sch or	۰F	Specification	(NDE)	Temp. Time	UT/	PT/
No.		Date	P-No Type	Inches	Inches	(Min)	Procedure	Type %	Range	RT	MT

					MAIN STE	AM SYSTE	EM (MS)							
ABO O A 10 0 10 00 00 00 00 00 00 00 00 00 00 0					MAIN SIL	AWGIGIE	-M (MO)					ř		
1	MS Nozzle to MS Fitting	ASME III NC-1989, no Addenda	3 to1	SA-508 CL 2 to SA-234 WPB/WPC	32 OD	1.125 Wall	175	P3(G3),P1(G2)-AT- Lh (CVN +40)	MT RT	100 100	1100- 1150	1-1/4 hr.	UT	МТ
2	MS Fitting to MS Pipe	ANSI B31.1- 1983	1	SA-234 WPB/WPC to SA-106 Gr C	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UΤ	МТ
3	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to itself	32 OD	1.125 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1-1/4 hr.	UT	МТ
4	MS Pipe to MS Pipe	ANSI B31.1- 1983	1	SA-106 Gr C to	30 OD	1.0 Wall	50 or 175	P1-AT-Lh	MT RT	100 100	1125- 1200	1 hr.	UT	MT
5	MS Fittings / Pipe- Branch Connections	ANSI B31.1- 1983	1	SA-234 WPB/WPC or SA-106 Gr C to SA-105	2 & <	6000#	50	P1-AT-Lh or P1-T	MT	100	NA	NA	NA	NA
6	Vents & Sample Taps Pipe to Fitting (Socket Welds)	ANSI B31.1- 1983	1	SA -105 to SA -106 Gr B	2 & <	All	50	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
7	Gamma Port Plugs	ANSI B31.1- 1983	1	SA-105	2 & <	3000#	50 or 200	P1-A-Lh or P1-T	PT	100	NA	NA	NA	NA
8	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh	мт	100	NA	NA	NA	мт

This matrix is to be used in conjunction with the Repair/Replacement Plan document to which it is attached. It identifies the system or component to which each line item applies, provides the installation code and date of the item being installed/repaired, describes the material specification and ASME Section IX P-Number of the materials involved, the diameter and thickness of the materials to be welded, as applicable, the welding procedure to be used, the preheat and post weld heat treatment to be performed, the installation NDE to be performed in accordance with the installation code and applicable Owner's requirements and the Section XI required preservice/inservice NDE to be performed by the Owner. Where more than one temperature is listed in the welding preheat column, it is intended that the higher temperatures be applied to the heavier thickness welds in accordance with the installation code and Owner's requirements. The actual procedures for the activities described in the Matrix are contained in the D. C. Cook Unit 1 Steam Generator Replacement Project Special Processes Manual (SPM).

Materials described above are either ASME material (SA-XXX) or, where allowed, ASTM material (AXXX) which have been reconciled to the construction code date indicated in the Owner's Specification. When required, reconciliation documents are prepared and filed separately from this Repair/Replacement Plan.



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 1 of 4
FOR JOB ORDER C 53318/C2697	

	nt Description				Nominal	\sqcap	Preheat	Field	Nondes	tructive	PW	'HT		Æ XI
Weld	•	Inst.			Pipe	Thick.		Welding	Exami	nation	•	F	N'	DE
Item	Component	Code	. !	Material	Size	Sch or	۰F	Specification	(NI	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No	Туре	Inches	Inches	(Min)	Procedure	Type	%	Range		RT	MT

				REA	CTOR CO	OLANT SY	STEM (RO	CS)						
14040								200						
9	RC Nozzle Safe End to Elbow Hot / Crossover Leg	ASME III NB-1989, no Addenda	8	SA -336 F316N/LN to SA-351 CF8M	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
10	RC Elbow to Pipe Hot Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	29 ID	2.7	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UT	PT
11	RC Elbow to Pipe Crossover Leg	ASME III NB-1989, no Addenda	8	SA-351 CF8M to itself	31 ID	2.88	50	P8-T (RA) P8-T-Ag-1	PT RT	100 100	NA	NA	UΤ	PT
12	Attachment Welds	ASME III NB-1989, no Addenda	8	All	Ali	All	50	P8-T-1	PT	100	NA	NA	NA	PT
13	RC Nozzle Weld Repairs	ASME III NB-1989, no Addenda	43 to 8	F43 Weldmetal to SA-336 F316N/LN	31 ID	Ali	50	P43,P8-A	PT RT	100 100	NA	NA	UT	PT
Mistr	waste was a same	***									120			
4 - 11 - 12 - 12 - 12 - 12 - 12 - 12 - 1				MA	IN FEEDV	VATER SY	STEM (FV	V)						
70.00	1	T T		SB-166	Γ	I	ı			T	I	i Sila	ı	T
14	S/G FW Nozzle Transition Ring to Elbow	ASME III NB-1989, no Addenda	43	NO6690 to SA-234 WP22 (Buttered with UNS W86152)	16	0.844	50	P43-AT-Ag (52/152)	PT RT	100 100	NA	NA	UT	PT
15	FW Reducer To FW Pipe	ANSI B31.1- 1983	1	SA-234 WP22 (Buttered with E7018) to SA-106 Gr B	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	мт
16	Feedwater Pipe to Pipe	ANSI B31.1- 1983	1	SA-106 Gr. B To Itself	14	0.75	50	P1-AT-Lh	MT RT	100 100	NA	NA	UT	мт
17	Attachment Welds	ANSI B31.1- 1983	1	All	All	< 1	50	P1-A-Lh	МТ	100	NA	NA	NA	МТ



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 2 of 4
FOR JOB ORDER C 53318/C2697	

	nt Description				Nominal	一、一	Preheat	Field	Nondes	tructive	PW	HT	<u> </u>	ÆXI
Weld	-	Inst.			Pipe	Thick.		Welding	Exami	nation	•	F	N	DE
Item	Component	Code	M	aterial	Size	Sch or	۰F	Specification	(NI	DE)	Temp.	Time	UT/	PT/
No.	•	Date	P-No	Туре	Inches	Inches	(Min)	Procedure	Type	%	Range		RT	MT

				SG	BLOWD	OWN SYS	TEM (BD)							
19.00							7.5							
18	SG Blowdown Nozzle to Pipe Socket Weld	ASME III NC-1989, no Addenda		SA-508 CL 3a with A No. 2 buildup to SA-106 Gr. B	2	sw	50	P1-AT-Lh or P1-T	МТ	100	NA	NA	NA	NA
19	Fitting to Pipe Socket Welds	ANSI B31.1- 1983	1	SA-105 to SA-106 Gr. B	2	sw	50	P1-A-Lh or P1-T	мт	100	NA	NA	NA	NA
20	Attachment Welds	ANSI B31.1- 1983	1	All	All	All	50 or 200	P1-A-Lh or P1-T	МТ	100	NA	NA	NA	NA
				STEAM G	ENERAT	OR VESSE	L & INTE							
						1		T			T			
21	Replacement Steam Generator Girth Weld	ASME III NB-1989, no Addenda	3	SA-508 CL 3a toSA-533 Gr. A CL 1	NA	4.0 Nom.	175	P3(G3)-A-Lh (CVN +60)	RT MT	100 100	1100- 1150	2.5 hrs	UT	М
22	Steam Generator Temp. Fitup Attachments	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-533 Gr. A CL 1 or SA-508 CL 3a	NA	≤ 1/2	175	P3(G3), P1(G2)-A- Lh (CVN+40)	VT	100	Note1	Note 1	NA	N
23	Main Steam Flow Restrictor Lugs to Main Steam Nozzle ID	ASME III NB-1989, no Addenda	1 to 3	SA-516 Gr. 70 to SA-508 CL 2	NA	1.125 Nom.	175	P3(G3), P1(G2)-A- Lh (CVN+40)	мт	100	1100- 1150	1-1/4 hr.	NA	N.
24	FW Nozzle to FW Transition Ring	ASME III NB-1989, no Addenda	3 to 43	SA-508 CL 2 to SB-166 UNS N06690	18.75	1.188	175	P43,P3(G3)-AT-Ag (CVN +40)	RT PT	100 100	1100- 1150	1-1/4 hr	UT	. Р
25	FW Transition Ring to Thermal Sleeve Spool Piece	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT RT	100 100	NA	NA	NA	N
26	FW Thermal Sleeve to FW Header (Gooseneck)	ANSI B31.1-1983	43	SB-166 UNS N06690 to itself	14	0.75	50	P43-T-o (690)	PT	100	NA	NA	NA	N

Note 1: After removal of the attachments, a PWHT of the attachment removal areas will be performed at the same time and temperature as for the PWHT of the steam generator girth weld.



DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 3 of 4
FOR JOB ORDER C 53318/C2697	

	int Description			Nominal		Preheat	Field	Nondes	tructive	PW	HT	<u> </u>	/E XI
Weld		inst.		Pipe	Thick.		Welding	Exami	nation	۱۰۰	F	N	DE
Item	Component	Code	Material	Size	Sch or	۰F	Specification	(NE	DE)	Temp.	Time	UT/	PT/
No.		Date	P-No Type	Inches	Inches	(Min)	Procedure	Type	%	Range		RT	MT

			ST	EAM GENERAT	OR SUPPO	ORTS AND	PIPING V	WHIP RESTRAINTS						
			100											
27	Upper Lateral Restraint Ring Girder	AWS D1.1	S3	A588 to Itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
28	Upper Lateral Restraint Ring Girder to Splice Plate	AWS D1.1	S3 to	A-588 to A36	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30) or S3(A588),P1-F (CVN +30)	VT UT MT	100 Note 2 Note 3	NA	NA	NA	NA
29	Main Steam Piping Whip Restraints	AWS D1.1	S3	A-588 Gr. A or B to itself	NA	All	Per D1.1 for T welded	S3(A588)-A-Lh (CVN +30) or S3(A588)-F (CVN +30)	VT UT MT	100 Note 2 Note 4	NA	NA	NA	NA
30	Main Steam or Feedwater Piping Whip Restraint Shims	AW\$ D1.1	1	CS to CS	NA	All	Per D1.1 for T welded	P1-A-Lh (Structural)	٧٢	100	NA	NA	NA	NA
31	Main Steam or Feedwater Piping Whip Restraint Shims	AWS D1.1	1 to S3	CS to A588	NA	All	Per D1.1 for T welded	S3(A588),P1-A-Lh (CVN +30)	VT	100	NA	NA	NA	NA

Note 2: Prior to attaching new welds to the face of new or existing plates, ultrasonically examine the area under the weld and 3 inches each side of the weld in accordance with UT-Plate.

Note 3: MT shall be performed on all plate edges to be welded.

Note 4: For butt welds over 3/8" thick, examination of the root at 1/3 thickness shall be performed using the Direct Contact prod technique with direct current or the Indirect Contact yoke technique with direct current may be used for the finished weld.

DONALD C. COOK NUCLEAR PLANT UNIT 1 STEAM GENERATOR REPLACEMENT PROJECT	
REPAIR/REPLACEMENT PLAN MATRIX FOR JOB 23733	
MATRIX OF CODES, MATERIALS, PREHEAT, WELDING PROCEDURES, PWHT AND NDE	Sheet 4 of 4
FOR JOB ORDER C 53318/C2697	

	Information	MHI-5075	Rev. 5							
	ASI	ME SECTION XI REPAIR	REPLACEMENT PROG	RAM						
	Unit 1	Section XI Repair	Replacement Plan	Page 1 of 2						
1.	JOB ORDER#	00052554	DA ⁻	TE: 13/10/99						
2.		R SUPPORT: Main stea								
3.	ISI CODE CLASS: MATERIAL CLASS:									
4.	REASON/FLAW: Existing rejectable linear indication in MS elbow (2 nd elbow downstream from nozzle) NCR-00-038 and WP&IR P-MS1-301									
5.	During performance of surface exam in preparation for MATERIAL FLAW DISCOVERY: reinstallation of spool piece									
6.	CAUSE OF FAILURE: Unknown									
7.	WORK DESCRIPTION: Grind, surface exam, taper to 3:1 verify minimum wall; repair weld if necessary to restore minimum wall, RT if excavation exceeds 3/8" or 10% of wall									
8.	FLAW REMOVAL METHOD: Grinding									
9.	CAVITY MEASU	REMENT METHOD: _F	Pit gauge or UT thickness	8						
10.	DIMENSIONAL I	REFERENCE POINTS: _	N/A	u de la companya de l						
11.	MATERIALS:	PIPE: N/A ELBOW: SA-234 W FLANGE: N/A BOLTS: N/A NUT: N/A FILLER MATERIALS:								
12.	EXISTING INST NEW DESIGN O NEW INSTALLA	GN CODE/YEAR: ALLATION CODE/YEAR: CODE/YEAR: ASME TION CODE/YEAR: O BE USED: None	Section III, 1989 Edition	, No Addenda						

I	Information	MHI-5075	Rev. 5							
	ASME SECTION XI REPAIR/REPLACEMENT PROGRAM									
	Unit 1	Section XI Repair	/Replacement Plan	Page 2 of 2						
13.	SPECIAL REQUI	REMENTS: None								
14.	MAINTENANCE PLANNER: Za Youlu 6/9/00									
15.	SUITABILITY EV PLANT ENGINE 5.0. CA	ERING/PROGRAMS APP	ROVAL: DEYES IN	NO						
16.			ES INO SEE SPH. ROVAL IN YES INO							
17.	PROCEDURE		Steph R. Wary	AND NOE 5 7/7/02						
18.		REPAIR/REPLACEMENT		<u> </u>						
19.	WITH COD	E CASE N-416-1.	Styph R. Var	,						
20.	REMARKS:		nyma 11. Vivo							
21. 22.	PLANT ENGINE	ERING CONCURRENCE	MX Mutingen	nie Haller/1/00						

23. NIS-2 ⊠ YES □ NO:

		BALLI FORF	Do 5					
	nformation	MHI-5075	Rev. 5					
	ASI	ME SECTION XI REPAIR	REPLACEMENT PROG	RAM				
	Unit 1	Section XI Repair	Replacement Plan	Page 1 of 2				
1.	JOB ORDER#_	C 0053 554, C00535	<i>SS, C005355C</i> DAT	E: 12/10/99				
2.	COMPONENT O	R SUPPORT: Steam Ge	enerator 1-OME-3-2; Nat.	Bd. #68-32				
3.	ISI CODE CLASS		MATERIAL CLASS					
4.	REASON/FLAW:	extends nearly all aro MS2-302, P-MS3-303	cation ~1" above SG girth und the girth. NCR-00-35 and P-MS4-304	, WP&IR P-MS1-301, P-				
5.	MATERIAL FLAV	V DISCOVERY: During SGR	oreparation for reinstallati	on prior to completion of				
6.	CAUSE OF FAIL	URE: <u>Unknown</u>						
7.	WORK DESCRIPTION: Grind all identified indications. Weld repair NDE before and after Welding, per SPM. Measure and record (L x W x depth) all repair areas.							
8.	FLAW REMOVAL	_ METHOD: _ Grinding						
9.	CAVITY MEASU	REMENT METHOD: _F	Pit gauge					
10.	DIMENSIONAL F	REFERENCE POINTS: _N	I/A					
11.	MATERIALS:	PIPE: N/A ELBOW: N/A FLANGE: N/A BOLTS: N/A NUT: N/A OTHER: SA-533 Gr FILLER MATERIALS:	.,,					
12.	DCC SPEC NO: EXISTING DESIGN CODE CASES TO	1989 Edition, No Addended DCCPV-12-EG001 Reg GN CODE/YEAR: ASME ALLATION CODE/YEAR: ODE/YEAR: ASME TION CODE/YEAR: ASI O BE USED: None	v. 0 Section III, 1965 Edition, ASME Section III, 1965 Addenda Section III, 1989 Edition ME Section III, 1989 Edition	Edition, with W66				

į	nformation	MHI-5075	Rev. 5	
	ASI	ME SECTION XI REPAIR	REPLACEMENT PROG	RAM
	Unit 1	Section XI Repair	Replacement Plan	Page 2 of 2
13.	SPECIAL REQUI	REMENTS: None		
14.	MAINTENANCE	PLANNER: (al	Joueling 6/9/	00
15.	SUITABILITY EV PLANT ENGINE	ALUATION ERING/PROGRAMS APP J.O. CARLE	V ROVAL: \$1 YES □ \$7.00 \$1/9/00	I NO
16.		DE REQUIRED: X YE ERING/PROGRAMS APP D. CALLE	ROYAL MYES ON	
17.	PROCEDU		Steph R. Vong	06 AND NOE
18.	NON-WELDED F	REPAIR/REPLACEMENT	NDE REQUIREMENTS	N/A
19.		ERING APPROVAL: DY		T IN ACCORDANCE
		DE CASE N-4		
	PA-PV APPROV	AL: YES D NO	Stephe R. W	argo 7/7/00
20.	REMARKS:			
21. 22. 23.	PLANT ENGINE ANI CONCURRI NIS-2 YES	ENCE: 2 YES 1 NO	: XX YES NO J.o.	conce Jobull 7/1/00

	Information	MHI-5075	Rev. 5					
	ASI	ME SECTION XI REPA	IR/REPLACEMENT PROGR	RAM				
	Unit 1	Section XI Repa	air/Replacement Plan	Page 1 of 2				
1.	JOB ORDER#	C052551	DAT	E: 12/2/99				
2.			Generator 1-OME-3-2; Nat.					
3.	ISI CODE CLASS	S: 1 & 2	MATERIAL CLASS	1 & 2				
4.	REASON/FLAW:		on the feedwater nozzle to tr ing wall thickness less than					
5.	MATERIAL FLAV	Durin	g performance of minimum v	wall UT thickness				
			cation following surface repa					
6.	CAUSE OF FAIL	URE: <u>Excessive surfa</u>	ce repair/surface conditionir	ng				
7.	WORK DESCRIF	PTION: Perform weld b	ouildup of nozzle and transiti	on piece. Verify that				
,.			red. See NCR 00-114 dispo					
8.	FLAW REMOVAL METHOD: N/A							
9.	CAVITY MEASU	REMENT METHOD:	Pit gauge, UT thickness me	easurement equipment				
10.	DIMENSIONAL F	REFERENCE POINTS:	See NCR 00-114 disposition	on				
11.	MATERIALS:	PIPE: N/A						
• • • •		ELBOW: N/A						
		FLANGE: N/A						
		BOLTS: N/A						
		NUT: N/A						
		OTHER: SA-533 (
		FILLER MATERIALS	S: _E8018-NM1, ERNiCrFe	-7 and/or ENiCrFe-7				
12.	SECTION XI:	1989 Edition, No Adde						
		DCCPV-12-EG001 R						
			ME Section III, 1965 Edition,					
	EXISTING INSTA	ALLATION CODE/YEAR	R: ASME Section III, 1965 E Addenda	dition, with vvoo				
	NEW DESIGN C	ODE/YEAR: ASM	ME Section III, 1989 Edition,	no Addenda				
	NEW INSTALLA	TION CODE/YEAR: A	SME Section III, 1989 Editio	n, no Addenda				
	CODE CASES T	O BE USED: None						
	WELD PROCED	URE NO: P3(G3)-A _+40) Rev.	-Lh (CVN +60) rev. 4 and P4 2	I3,P3(G3)-AT-Ag (CVN				

	Information	MHI-5075	Rev. 5						
	ASME SECTION XI REPAIR/REPLACEMENT PROGRAM								
	Unit 1	Section XI Repair	/Replacement Plan	Page 2 of 2					
13.	SPECIAL REQU	REMENTS: None. Se	e Bechtel NCR #00-114						
14.	MAINTENANCE	PLANNER: G	Joneln 4/	\$\left(00					
15.	•	ALUATION ERING/PROGRAMS APP CALLE	ROYAL: \$17ES []	NO					
16.		DE REQUIRED: X YE ERING/PROGRAMS APP CALLE							
17.	WELDING NDE	REQUIREMENTS: <u>se</u>	E SPM WELDING	AND NAE					
18.		AL: DE YES INO	Stepher K. Vange NDE REQUIREMENTS	. 7/7/00 _N/A					
	PLANT ENGINE	ERING APPROVAL: 🗆 Y	ES 🗆 NO						
19.		REQUIREMENTS: <u>Fi</u> DE CASE N-416		IN ACCOMBANCE					
	PA-PV APPROV	AL: 12 YES NO _s	Styph R. Vay	n 7/2/00					
20.	REMARKS:								
21. 22.		ERING CONCURRENCE:	MYES INO 10.0A	ne Halle 7/1/00					

23. NIS-2 ⊠ YES □ NO:

	Information	MHI-5075	Rev. 5			
	ASI	ME SECTION XI REPAIR/	REPLACEMENT PROGR	RAM		
	Unit 1	Section XI Repair/	Replacement Plan	Page 1 of 2		
1.	JOB ORDER#	C0055051	DATI	E: 2/24/00		
2.	COMPONENT O	R SUPPORT: Main Stea	am Isokinetic Sample Prob	pes		
3.	ISI CODE CLASS		MATERIAL CLASS:			
4.	REASON/FLAW:		ion has made sample prob			
5.	During Main Steam piping removal in preparation for the MATERIAL FLAW DISCOVERY: SG replacement, it was found that some of the sample probes had become disconnected from their installed locations.					
6.	CAUSE OF FAIL	URE:				
7.		PTION: <u>Remove sample</u> ee 1-DCP-4540 & DCP-30				
8.	FLAW REMOVAL	_ METHOD: None				
9.	CAVITY MEASUI	REMENT METHOD: N	I/A			
10.	DIMENSIONAL F	REFERENCE POINTS: N	I/A			
11.	MATERIALS:	PIPE: 3/4" sch. 80 SA	-106 Gr. B			
		ELBOW: SA-234 W	PB/WPC	·		
		FLANGE: N/A				
		BOLTS: N/A				
		NUT: N/A	- Landard			
			nd reducing insert-SA-105			
		FILLER MATERIALS:				
12.						
	DCC SPEC NO: <u>ES-Pipe-1013-QCN</u> EXISTING DESIGN CODE/YEAR: B31.1-1967 supplemented by DCCPM-103 QCN					
		ALLATION CODE/YEAR:				
	NEW DESIGN C		Section III, 1989 Edition, I			
		TION CODE/YEAR: ASM				
		O BE USED: None	<u></u>	,		
		URE NO: P1-T rev. 3	or P1-AT-Lh rev. 3 (Becht	el WPS numbers)		

l	nformation	MHI-5075	Rev. 5	
	ASI	IE SECTION XI REPAIR	/REPLACEMENT PROGR	MA
	Unit 1	Section XI Repair	/Replacement Plan	Page 2 of 2
	SPECIAL REQUI	REMENTS: See Bech	tel NCRs 99-025 and 00-0	35
	MAINTENANCE	PLANNER: La (Jouling Glaloo	
	SUITABILITY EV	ALUATION	V	
		RING/PROGRAMS APP	ROVAL: / ZÍYĘS 🗆 I	NO
		· CALLE >	Tall 4/19/00	
		V	we -	
	PRESERVICE N	DE REQUIRED: 🌠 YE	ES TO NO SEE SPA ROVALAN YES □ NO	1
	_	CALLE	Talle 6/19/00	
		CHECK Y)	
	WELDING NDE F	REQUIREMENTS: <u>see</u>	SPM WELDING	AND NOE
	PROCEBURE		<u> </u>	
	PA-PV APPROVA	AL: 12 YES INO _	Steph K. Varyo	7/7/00
	NON-WELDED R	EPAIR/REPLACEMENT	NDE REQUIREMENTS	N/A
	PLANT ENGINEE	RING APPROVAL: 🗆 Y	ES NO	
			IAL LEAK TEST IN	ACCORDANCE
	WITH COD	E CASE N-416-	<u>-1</u>	
		AL: 12 YES NO _	F-1 R16.	9/-1/-
	FA-FV AFFRUV	AL. MI IES LINU	super 11. Villy	: 1/1/00
	REMARKS:			
				,
				\ : - 1/
	PLANT ENGINEE	ERING CONCURRENCE	MYES INO 1.3. CA	rie XVally 7/
	ANI CONCLIDE	NCE R YES TINO	mand -	1 3/2/20

23. NIS-2 ⊠ YES □ NO:

6.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date Performed: 05-16-00 Owner: AMERICAN ELECTRIC POWER 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0051830-08 2. Plant: D.C.Cook Nuclear Power Plant One Cook Place, Bridgman, MI 49106 Component# 1-GRC-S566 Work Performed by: AEP/D.C. COOK Maintenance Department 3. 4. Identification of System: PIPING SUPPORT (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S566						
TAPER PIN	Grinnell Figure	GRINNELL	M&E# 30-024977 ASP# 15148	N/A	REPLACED	NO
				<u> </u>		

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure	N/A	<u>NDE: N/A</u>
Pressure: psi	Test Temperature	<u>F.</u>		

Description of Work: The snubber was reinstalled using new taper pin, A VT-3 exam was also performed.

Job Order/File: C0051830-08 ISI CLASS 1
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-15-01 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period out-10-00 to 02-15-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions Michops, End NET National Board, State, Province, Endorsements Date: Feb 16 18 2001
Date. 10 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_02-15-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0052690-02</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-OME-3-1
3.	Work Performed by: AEP/D.C. COOK Maintenance Depar	tment
4.	Identification of System: <u>STEAM GENERATOR</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs of	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-OME-3-1	N/A	N/A	EXISTING	N/A	REPAIRED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: PT
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The manway covers were machined. QC preformed a final PT on the finall surface area.

Job Order/File: C0052690-02 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA Signed: Dewayne Tipmons Maint. Welding Supervisor Date 1-15-01
Signed: Dewayne Tigamons Maint. Welding Supervisor Date 7-72-07 Owner or Owner's Designee, Title
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period
Inspector's Signature Commissions Mich 0055, End NET National Board, State, Province, Endorsements
Date: <u>Jan 16</u> 19 2001

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	Februar	y 9, 2001	
	Name			_			
P.O. Box	60 Fort Wayne		801	Sheet	1	of2	
	Addre		ייד א אדייי	77m d &	# 1		
. Plant <u>D.C.</u>	COOK NUCLEAR		LIANT	Unit _	# 1		
One Cook	Place, Bridgm		19106	C5.2	2693-02		
OHE COOK	Addre	ess	17100			No., Job	No., etc
. Work Perfor	med by Install		ervices			ol Stamp N	
		Name			ization N	o. N/A	
Same a	as #2			Expira	ation Dat	e N/A	
***************************************	Addre	ess					
	ion of System					IE CODE CL	
. (a) Applicab	le Const. Code	ANSI B3	<u>1.1</u> 19 _		MA AV		_Code Case
(b) Applicab	le Edition of Se	ection XI	Utilized	for Repairs	or Repla	cements 198	39
. Identificat	ion of Component	ts Repaire	ed or Rep	laced and Re	placement	Components	ASME
				Other		Repaired Replaced	Code
Name of	Name of	Manuf.	Nat.			or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-OME-3-4	Westinghouse	1124	6834	State ID M96767M	N/A	Repaired	No .
Steam Generator	•			M96767M			
Secondary							
Side Manway							
"B" Cover					1		
					<u> </u>		
					<u> </u>		
					1		
		-			 	 	
		 	 	<u> </u>	 	 	
			 		 		
	<u> </u>	J.,	J		<u> </u>		
. Description	n of work Mach	ine Gasket	t Seating	Surface in	accordan	ce with	
IT-SGRP-00005-	00. After Machi	ning the I	Manway "E	3" was examir	ned by PT	•	
					 		
. Test Conduc	ted: Hydrostat	ic Π	Pneumat	ic □ N	ominal Or	erating Pre	ssure [
. ICSC COMMUNIC	n/a 🗵	Other [_	<u> </u>	_	est Temp.	
	M/A E	Ocher [] trest	11/11			
OTE: Supplement	al sheets in form o	f lists, ske	tches, or	drawings may be	used, prov	ided (1) size	is 8-1/2 in.
n (2) information	on in items 1 through	gh 6 on this	report is	included on each	ch sheet, a	nd (3) each sh	eet is numbere
id the number of :	sheets is recorded a	at the cob o	r curs ton				

FORM NIS-2 (Back)

9.	Remarks		PT		
	•	Applicable Manu	facturer's Data Rep	ports to be attached	
		Ref. JO: C52	693-02	Design Change:	1-DCP-305
		Repair/Replac	cement Plan: C52	693-02 ISI C	lass: 2
	. · ·				
			CERTIFICATE OF COM	PLIANCE	
	REPLACE	rtify that the state MENT confo replacement	ements made in the orms to the rules o	report are correct and f the ASME Code, Secti	this on XI.
	Type Cod	e Symbol Stamp	1/A		
	Certific	ate of Authorization	n No. N/A	Expiration Date	N/A
	Signed A	Davage Simus WANS TIMMONS MAINT Owner or Owner's De	Sypv. Welding Designee, Title	ate <u>2-20-</u> , 2	20_01
 پ					
		CERT	IFICATE OF INSERVIO	E INSPECTION	
	And Press by <u>FACT</u> Have insp <u>02.03</u> and belie described	ure Vessel Inspector DRY MUTUAL INSURANCE ected the components to 02-2 f, the Owner has per in this Owner's Rep	rs and the State or of of of described in this and s	issued by the National Province of Michiga Johnston, R.I. 02919 Owner's Report during tate that to the best s and taken corrective with the requirements	an and employed the period of my knowledge measures
	Warranty, Described Employer	ing this certificate expressed or implic in this Owner's Rep	ed, concerning the port. Furthermore, any manner for any	ctor nor his employer examinations and corre neither the Inspector personal injury or proth this inspection.	ective measures r nor his
	MA D. Inspec	tor's Signature	_Commissions_ Mich Nationa	ooss, En INIT 1 Board, State, Provin	nce, Endorsements
	Date	26 20 20	01		

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-13-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0052696-08
	One Cook Place, Bridgman, MI 49106	Component#_1-OME-3-3
3.	Work Performed by: AEP/D.C. COOK Maintenance Department	<u>nent</u>
4.	Identification of System: <u>STEAM GENERATOR</u>	
<u>5.</u>	(a) Applicable Construction Code: <u>ASME III CLASS 1 NB</u>	1989 No Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and I	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-OME-3-3	N/A	N/A	EXISTING	N/A	REPAIRED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: PT
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The studs on 1-OME-3-3 were machined, and QC performed a PT on all machined surfaces.

FORM NIS-2	OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
1 Older Felb 2	South ASME Code Section YI

	As Required by the Provisions for the Asia	
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 8-25-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: D.C.Cook Nuclear Power Plant	Job Order#_ C0054335-05
	One Cook Place, Bridgman, MI 49106	Component# 1-PP-35E
3.	Work Performed by: AEP/D.C. COOK Maintenance D	Department
4.	Identification of System: RESIDUAL HEAT R	EMOVAL
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983	Ed. NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repa	irs or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Rep	placed and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-PP-35E			·			NO
1/2" X 13 BOLT	ASME SA 193		M&E # 30-211250		REPLACED	NO
HEAVY HEX	GR -B7		ASP # 15215			
½" X 13 NUT	ASME SA 194		M&E # 30-211860		REPLACED	NO
HEAVY HEX	GR-2H		ASP # 23190	<u> </u>	REPLACED	NO
WASHER-	N/A		M&E # 30-014932		TOTAL ENTOLIS	
IMPELLER			ASP # 16145			<u> </u>

7.	Hydrostatic_	N/A	Pneumatic	N/A	A Nominal Operating Pressure N/A		
	NDE: N/A		Pressure: psi	N/A	Test Temperature	F.	

Description of work: Disassembled pump to support motor work

2 MEH
Job Order/File: <u>C0054335-05</u> ISI Class \(\frac{3}{3} \) 3 0
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Date /-22.00
Signed: Dewayne 13/11/10/10/15, Western Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I. have inspected the components described in this Owner's Report during the period have inspected to 1-24-1, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Commissions Mich 255, End Nit Inspector's Signature National Board, State, Province, Endorsements
Date: <u>Jan 24</u> 19 2001

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 08-24-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order#C0054335-05(B)
	ONE COOK Place, Bridgman, MI 49106	Component#_1-PP-35E
3.	Work Performed by: AEP/D.C. COOK Maintenance Dep	partment
4.	Identification of System: RESIDUAL HEAT RE	MOVAL /
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed	I. NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs	s or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Repla	ced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-PP-35E						NO
'½"X2-1/2" 13 UNC SCREW HEAVY HEX	ASME SA-193 GR B7	N/A	M&E # 30-211250 ASP # 15215		REPLACED	NO
½"X 13 UNC NUT HEAVY HEX	ASME SA-194 GR-2H	N/A	M&E # 30-211860 ASP # 23190		REPLACED	NO
		,				

7.	Hydros	tatic N/A	Pneumatic	N/A 1	Nominal Operating Pressur	e N/A
	NIDE.	NT/A	Dragaura, ngi	NI/A	Test Temperature	Ŧ
	NDE:	IN/A	Flessure, psi	19/25	1est Temperature	

Description of work: Disassemble pump 1-PP-35E to support motor refurb, reinstall

Job Order/File: C0054335-05 ISI Class REH 3/13/01

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.						
Type Code Symbol Stamp						
Certificate of Authorization No. Expiration Date						
Thursday James						
Signed: Dewayne/Timmons, welding supervisor Date 2-12-01						
Owner or Owner's Designee, Title						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler						
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by						
FMIC of Johnston R I.						
have inspected the components described in this Owner's Report during the period						
7/2/00 to 2-13-01, and state that to the best of my knowledge and						
belief, the Owner has performed examinations and taken corrective measures described						
in this Owner's Report in accordance with the requirements of the ASME Code,						
Section XI						
By signing this certificate neither the Inspector nor his employer makes any						
warranty, expressed or implied, concerning the examinations and corrective measures						
described in this Owner's Report. Furthermore, neither the Inspector nor his employer						
shall be liable in any manner for any personal injury or property damage or of loss of any						
kind arising from or connected with this inspection.						
MA Materapaux Commissions MICH 0055, END NEI						
Inspector's Signature National Board, State, Province, Endorsements						
Date: 5 13 18 200/						
Date: 13 19 2001						

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

-		
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_02-10-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0054654-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-OME-3-2
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: <u>STEAM GENERATOR</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-OME-3-2	N/A	N/A	EXISTING	N/A	REPAIRED	NO
	17					

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: MT
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The manway covers were repaired by machining them. QC signed off on the MT exam.

Job Order/File: C0054654-01 ISI CLASS 2						
CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.						
Type Code Symbol Stamp						
Certificate of Authorization No. NA Expiration Date NA Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-16-01 Owner or Owner's Designee, Title						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.						
have inspected the components described in this Owner's Report during the period and state that to the best of my knowledge and						
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures						
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any						
kind arising from or connected with this inspection.						
Inspector's Signature Commissions Mich 2055, End N ET National Board, State, Province, Endorsements						
Date: Jan 22 18 2001						

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

Date Performed: 02-16-00 1. Owner: AMERICAN ELECTRIC POWER Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0054655-01 2. Plant: D.C.Cook Nuclear Power Plant Component# 1-OME-3-3 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. 4. Identification of System: BLOWDOWN (a) Applicable Construction Code: ASME SECTION III 1965 ED. NO Add. Code Case: 5.

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
' 1-OME-3-3 						
MANWAYS	ASME# SA-516	N/A	EXISTING	N/A	REPAIRED	NO
A & B	GR-70					

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: MT
•	T T.		•
Pressure: psi	Test Temperature	<u>r.</u>	

Description of Work: Both manway covers were repaired by machining them.QC preformed a MT.

Job Order/File: C0054655-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. / ** Expiration Date M** Simple Supplies Supplies Date (5/5-0/
Signed: Dewayne Timmons Maint. Welding Supervisor Date /-/5-0/ Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected, with this inspection.
Inspector's Signature Commissions MI 0055, END NOTE National Board, State, Province, Endorsements
Date: Jao 16 19 2001

As Required by the Provisions for the ASME Code Section XI

1. Owner: **AMERICAN ELECTRIC POWER**

Date Performed: 11-05-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0055997-01

One Cook Place, Bridgman, MI 49106

Component#_1-ICM-260

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>SAFETY INJECTION</u>
- 5. (a) Applicable Construction Code: <u>ANSI B31.1</u>, 1983 Ed. <u>NO Add.</u>, Code Case:
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ICM-260						
(2) SCREWS 3/4	ASME# SA-193	N/A	M&E# 30-211345	N/A	REPLACED	NO
	GR-B7 HEAVY		ASP# 15684			
(2) SCREWS5/8	ASME# SA-193	N/A	M&E# 30-211310	N/A	REPLACED	NO
	GR-B7 HEAVY		ASP# 17242			
(2) NUTS 5/8	ASME# SA-194	N/A	M&E# 30-211880	N/A	REPLACED	NO
	GR-2H HEAVY		ASP# 20841			
(2) NUTS 3/4	ASME# SA-194	N/A	M&E# 30-211890	N/A	REPLACED	NO
	GR-2H HEAVY		ASP# 23986			

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE
,			
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: All the existing fasteners were removed and replaced with new screws and nuts. A VT-3 exam was also preformed.

Job Order/File: C0055997-01 ISI CLASS 2

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement. Type Code Symbol Stamp Certificate of Authorization No. Signed: Dewayne Timmons Maint. Welding Supervisor Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period in this Owner's Report during the period in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. The Maintenant Commissions Commissions Maintenant Commissions Commissions Maintenant Commissions Commissions Maintenant Commissions C	
Type Code Symbol Stamp Certificate of Authorization No. Signed: Dewayne Timmons MaInt. Welding Supervisor Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RL have inspected the components described in this Owner's Report during the period 12-22-0 to 01-12-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.	CERTIFICATE OF COMPLIANCE
Signed: Dewayne Timmons Maint. Welding Supervisor Date /-/5-0/ Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period have inspected the components described in this Owner's Report during the period in this Owner's Report during the period in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. The Manageura Commissions Maint 2005 100 200 200 200 200 200 200 200 200 200	We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Signed: Dewayne Timmons Maint. Welding Supervisor Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period have inspected the components described in this Owner's Report during the period have inspected the components described in this Owner's Report during the period have inspected the components described in the Description of the Associated in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. The Mathabase Commissions Mathabase Commissions Mathabase Commissions Mathabase Commissions	Type Code Symbol Stamp NA
Signed: Dewayne Timmons Maint. Welding Supervisor Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period 12.2000 to 01.1000 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. The Mathematical Commissions Maintains Advanced Commissions Maintains Date 12.5000 Date 12.5000 Advanced Commissions Maintains Date 12.5000 Date 12.50	Certificate of Authorization No Expiration Date
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period have inspected the components described in this Owner's Report during the period helief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. The Mathematical Commissions of the Aspector of the Asp	Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-15-01
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period have inspected the components described in this Owner's Report during the period have inspected to discrete the components described in this Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. This is the Management of Commissions of Management and corrective measures. Commissions Management and Corrective measures.	
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period 12.200 to 01.1001 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. The Management Commissions of Management 2005 1 and 100	CERTIFICATE OF INSERVICE INSPECTION
Inspector's Signature National Board, State, Province, Endorsements Date: Jan 10 19 2001	Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RL. have inspected the components described in this Owner's Report during the period to other inspector of to other inspector of the Association of the Associa

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Owner: AMERICAN ELECTRIC POWER Date_Performed: 10-04-00 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0056078-01 Plant: D.C.Cook Nuclear Power Plant 2. Component# 1-GSI-R-69 One Cook Place, Bridgman, MI 49106 3. Work Performed by: AEP/D.C. COOK Maintenance Department EFTY INJECTION Identification of System: DIESEL COMBUSTION AII 4. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda Identification of Components Repaired or Replaced and Replacement Components 6.

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GSI-R-69	SA307 Grade A	N/A	Temp M&E# 00-023187	N/A	REPAIRED	NO
1-1/4 x 5			ASP# 24488			
Hex Bolts						
1-1/4 Hex Nut	SA563 Grade A	N/A	Temp M&E# 00-023187	N/A	REPAIRED	NO
			ASP# 24488			
	1					1

7. Hydrostatic NA	Pneumatic	NA	Nominal Operating Pressure	N/A NDE:	<u>VT-3</u> *
Pressure: psi	Test Temp	erature	e F.		

Description of Work: The fastener with less than flush thread engagement was removed and replaced. A VT-3 exam was performed.

Job Order/File: C0056078-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-19-01 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period **Section** 10 **2-19-01** , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions Michology National Board, State, Province, Endorsements
Date: Feb 19 19 2001

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant
One Cook Place, Bridgman, MI 49106

Component#_1-STN-36N

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>SAFETY INJECTION</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case:
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-STN-36N						
ROD	ASME# SA-453	N/A	M&E# 30-212295 ASP# 19160	N/A	REPLACED	NO
NUT	ASME# SA-194	N/A	M&E# 30-212100 ASP# 21871	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic	NA	Nomial Operating Pressure:	NDE:
Pressure: psi	Test Temp	erature	<u>E.</u>	

Description of Work: The valve was reassembled using new stude and bolts.

Job Order/File: C0056271-01 ISI CLASS 2

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA Signal Lawrence Timmons Maint Welding Supervisor Date 1-02-01
Signed: Dewayne Timmons Maint. Welding Supervisor Date /- 02-0/ Owner or Owner's Designee, Title
•
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period O 2 - 13 - 00 to 0 - 0 - 0 - 0 - 0 0 0 - 0 - 0 0
Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. MA Materia party Commissions National Board, State, Province, Endorsements
Date: 01-03 18 2001

As Required by the Provisions for the ASME Code Section XI

1. Owner: **AMERICAN ELECTRIC POWER**

Date Performed: 09-07-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0056340-02

One Cook Place, Bridgman, MI 49106

Component# 1-IRV-300

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>RESIDUAL HEAT REMOVAL</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case:
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
A-276 TP 316 COND B	N/A	M&E# 30-036086 ASP# 13191	N/A	REPLACED	NO
ASME# SA-193 GR-B7	N/A	M&E# 30-211165	N/A	REPLACED	NO
ASME# SA-194	N/A	M&E# 30-211840	N/A	REPLACED	NO
GR-2H		ASP# 23823		DEDLA CED	NO
ASTM# A-536-84	N/A	M&E# 30-035971 ASP# 18809	N/A	KEPLACED	NO
ASTM# A-536-8	N/A	M&E# 30-035992 ASP# 24254	N/A	REPLACED	NO
	A-276 TP 316 COND B ASME# SA-193 GR-B7 ASME# SA-194 GR-2H ASTM# A-536-84	A-276 TP 316 N/A COND B ASME# SA-193 N/A GR-B7 ASME# SA-194 N/A GR-2H ASTM# A-536-84 N/A	AISI designation: Manufacture	ASIME, ASIME Manufacture M&E# ASP# P.O.# A-276 TP 316 N/A M&E# 30-036086 N/A COND B ASP# 13191 N/A M&E# 30-211165 N/A GR-B7 ASP# 23213 N/A M&E# 30-211840 N/A GR-2H ASP# 23823 N/A M&E# 30-035971 N/A ASTM# A-536-84 N/A M&E# 30-035992 N/A	AISI designation: Manufacture

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nomial Operating Pressure N/ANDE:
Pressure: psi	Test Temperature	e F.
riessuie. psi	Test Temperature	<u> </u>
Description of Works The	valva vvas ranaire	od ucing a new trim assembly & adjusting
Description of work: The	valve was repaire	ed using a new trim assembly & adjusting
screw and nuts		
_Job Order/File <u>:_C</u>	0056340-02	ISI CLASS 2
C	ERTIFICATE O	OF COMPLIANCE
•		
We certify that the state	ements made in th	ne report are correct and this <u>repair and/or</u>
replacement conforms to the	ne rules of the AS	SME Code, Section XI repair or replacement.
Type Code Symbol S	Stamp N/A	2
Type court by	1	2
Certificate of Author	rization Nø. 🖊 🎢	Expiration Date /-/6-0/
Simula De Sulla	ayre Jums	Welding Supervisor Date 1-16-01
Signed: Dewayne i	Allinous iviailit.	r's Designee, Title
CEDTI	FICATE OF IN	SERVICE INSPECTION
CERTI	FICALE OF INC	SERVICE INSTRUCTION
I, the undersigned, holding	a valid commissi	ion issued by the National Board of Boiler
Pressure Vessel Inspectors	and the State or F	Providence of Michigan and employed by
FMIC OF JOHNSTON RI		d in this Owner's Depart during the period
have inspected the com	ponents described	d in this Owner's Report during the period
helief the Owner has ner	formed examination	d state that to the best of my knowledge and ions and taken corrective measures described
in this Owner's Repor	t in accordance w	with the requirements of the ASME Code,
Section XI		
By signing this cert	ificate neither the	e Inspector nor his employer makes any
warranty, expressed or imp	olied, concerning	the examinations and corrective measures
described in this Owner's l	Report. Furthern	more, neither the Inspector nor his employer
shall be liable in any mann	er for any person	al injury or property damage or of loss of any
kind arising from or conne	Commission	peculon.
Inspector's Signature	Commissie	National Board, State, Province, Endorsements
inspectors signature		
		esh
Date:	Jan 22	1 2001

As Required by the Provisions for the ASME Code Section XI

Ι.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 09-20-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0056397-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-CS-577
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	nent
١.	Identification of System: <u>LETDOWN</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CS-577						
BONNET ASSEMBLY	ASME# SA-351	N/A	M&E# 30-040526 ASP# 23909	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The old bonnet assembly was removed and the new one was installed. A VT-2 test was performed.

Job Order/File: C0056397-01 ISI CLASS 2							
CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.							
Type Code Symbol Stamp WA							
Certificate of Authorization No Expiration Date							
Owner of Owner 3 Designee, Thie							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period							
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Mathematical Mathematical Commissions Mathematical Reports Endowsports							
Inspector's Signature National Board, State, Province, Endorsements Date: 120 22 19 2001							

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 08-19-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0056549-01</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-STN-37E
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	ne <u>nt</u>
4.	Identification of System: <u>CHARGING (CVCS)</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or F	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-STN-37 X €						
ROD	ASME# SA-453 6R 640	N/A	M&E# 30-212295 ASP# 19160	N/A	REPLACED	NO
NUTS	ASME# SA-194 G2 8 F	N/A	M&E# 30-212100 ASP# 21871	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The flange was repaired using new rod and nuts.

Job Order/File: C0056549-01 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> replacement conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. 1997 Expiration Date 1897	
Signed: Dewayne Timmons Maint. Welding Supervisor Date 12 8 200 Owner or Owner's Designee, Title	
• •	<u>-</u> -
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period	
Inspector's Signature Commissions Methods, End NIT National Board, State, Province, Endorsements	
Date: December 11 18 2000	

As Required by the Provisions for the ASME Code Section XI

1. Owner: <u>AMERICAN ELECTRIC POWER</u>

Date_Performed: 10-16-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0056556-01

One Cook Place, Bridgman, MI 49106

Component#_1-AFW-S4027

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: Feedwater
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-AFW-S4027			·			
"A" KIT	Grinnell Fig 200/201	GRINNELL	M&E# 30-040551 ASP# 23787	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic	NA	Nominal Operating Pressure	N/A	NDE: N/A	
Pressure: psi	Test Ten	nperat	ure F.			

Description of Work: The existing snubber was removed and the repaired snubber was installed. The repaired snubber has a new "A" Kit. A VT-3 exam was done also.

Job Order/File: C0056556-01 ISI CLASS 1						
CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.						
Type Code Symbol Stamp						
Certificate of Authorization No Management Expiration Date Management						
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-16-01 Owner or Owner's Designee, Title						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.						
have inspected the components described in this Owner's Report during the period						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.						
Inspector's Signature Commissions Mich 0055, END NGT. National Board, State, Province, Endorsements						
Date: F=b 19 2001						

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 08-21-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0056600-01</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-CTS-19
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: <u>CTS</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO_Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

Identification of Components Repaired or Replaced and Replacement Components 6.

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CTS-19	N/A	N/A	EXISTING	N/A	REPAIRED	NO
FILLER MATERIAL	ASME# SFA-5.9	N/A	M&E# 30-044988 ASP# 19186	N/A	REPAIRED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The pipe was prepped and work was performed to 8. ITS, ER308 filler rod was used. A VT prior to welding and final, plus final PT was performed.

Job Order/File: C0056600-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement. Type Code Symbol Stamp Certificate of Authorization No. Signed: Dewayne Timmons Maint. Welding Supervisor Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a velid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period 3.7.00 10 10 11 12 13 14 15 16 16 17 16 17 17 18 18 19 19 19 19 19 19 19 19
CERTIFICATE OF INSERVICE INSPECTION
to
Inspector's Signature Commissions Mean 2005 End WED National Board, State, Province, Endorsements
Date: 1/1/ // 1/2009

6.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date_Performed: 10-17-00 1. Owner: AMERICAN ELECTRIC POWER Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Plant: D.C.Cook Nuclear Power Plant Job Order# C0056606-01 2. Component# 1-GCTS-V-524 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. Identification of System: PIPING SUPPORT 4. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: NA <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GCTS-V-524						
NUTS	ASME# SA-194 GR-2H HEAVY	N/A	M&E# 30-211890 ASP# 23986	N/A	REPLACED	NO
BOLTS	ASME# SA-307 GR-B-HEAVY	N/A	M&E# 30-212228 ASP# 23456	N/A	REPLACED	NO .

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Tempe	rature	<u>F.</u>	

Description of Work: The thread engagement issue on the clamp was taken care of by using new bolts and and nuts. A VT-3 exam was done also. Reference AR # 1061026 for the failure to perform the VT-3.

2

Job Order/File: C0056606-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization Mo. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 3-201 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period to 03-05-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Commissions
Inspector's Signature National Board, State, Province, Endorsements Date: March 5 200/

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

-1CIVI-321			Labung		Repaired	110
-ICM-321	AISI designation:	Manufacture	M&E# ASP# P.O.# Existing		Or Replaced	Stamped Yes/No
Name of	ASME,ASTM or	Name of	Material Identification:	Year built	Repaired	ASME Code
6.			lized for Repairs or Replacer d or Replaced and Replace			
<u>5.</u>	(a) Applicable Construc	ction Code: <u>ANS</u>	I B31.1, 1983 Ed. NO A	.dd., Code Cas	se <u>:</u>	
4.	Identification of System	m: <u>RESIDUAL</u>	HEAT REMOVAL			
3.	Work Performed by: A	EP/D.C. COOK 1	Maintenance Department			
	One Cook Place, Bridg	man, MI 49106	Compo	nent <u>#_1-ICM-</u>	<u>321</u>	
2.	Plant: D.C.Cook Nucle	ar Power Plant	Job Or	rder <u># C005719</u>	7-03	
	P.O. Box 60 Fort Wayr	ne IN 46801	Unit#	1		
1.	Owner: <u>AMERICAN</u>	ELECTRIC PO	WER Date_F	erformed: 07-	· <u>21-00</u>	

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/A NDE: PT
Pressure: psi	Test Temperature	F.	

Description of Work: The valve had the disk guide bottom edge machined and the scratches on the disk and guide were polished. PT test of stem "T" area, backseat area and Disc "T" area.

Job Order/File: C0057197-03 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. No. Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-21-01 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection. MILLOWS END NET Inspector's Signature National Board, State, Province, Endorsements
Date: Feb 22 18 2001

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

Date_Performed: 09-15-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0057214-03

One Cook Place, Bridgman, MI 49106

Component# 1-IMO-256

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>BORON INJECTION</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-256						
STEM	ASTM A564	N/A	M&E# 30-034084 ASP# 24370	N/A	REPLACED	NO
DISK	ASME: SA-182- F316	N/A	M&E# 30-034023 ASP# 13767	N/A	REPLACED	NO
WEDGE PIN	ASTM# A-276 T-316	N/A	M&E# 30-034200 ASP# 24414	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure N/A NDE: N/A
Pressure: psi	Test Temperature	F.
Description of Work: D	isassembled and ins	pected valve. Reinstalled valve using a new
stem, disc, and wedge pir	<u>l.</u>	
		•
		TOT OT AGG. 10
Job Order/File:	C0057214-03	ISI CLASS 2
•	CERTIFICATE O	F COMPLIANCE
777		o report are correct and this renair and/or
we certify that the st	atements made in the AS	e report are correct and this <u>repair and/or</u> ME Code, Section XI repair or replacement.
icpiacement conforms to		
Type Code Symbo	ol Stamp <i>NA</i>	
C .: C	animation NA	Expiration Date MA
Certificate of Auti	norization No. NA	Expiration Date 7071
Signed: Dewayne	l'immons Maint.	Welding Supervisor Date 2
	Owner or Owner	's Designee, Title
•		
CER	TIFICATE OF INS	ERVICE INSPECTION
T 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lid oommissi	on issued by the National Board of Boiler
I, the undersigned, notice	ng a valid collillissing and the State or F	rovidence of Michigan and employed by
EMIC OF IOHNSTON I	RT.	
have inspected the co	mponents described	in this Owner's Report during the period
9-15-00 to 02	-20-0; and	d state that to the best of my knowledge and
belief, the Owner has p	erformed examinati	ons and taken corrective measures described
in this Owner's Rep	ort in accordance w	ith the requirements of the ASME Code,
Section XI		
By signing this c	ertificate neither the	Inspector nor his employer makes any
warranty expressed or in	nplied, concerning	he examinations and corrective measures
described in this Owner'	s Report. Furthern	nore, neither the Inspector nor his employer
shall be liable in any ma	nner for any person	al injury or property damage or of loss of any
kind arising from or con	nected with this insi	pection.
MAM Internacion	Commission	ons Michouss, ENDNAI
Inspector's Signat	ure	National Board, State, Province, Endorsements
- 0		18 2001
Da	te: <u>Fcb 20</u>	N 2001

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

Date_Performed08-17-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0057231-03

One Cook Place, Bridgman, MI 49106

Component# 1-IMO-331

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>RESIDUAL HEAT REMOVAL</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-331						
DISC	ASTM# A-351 CF8M	CRANE	M&E# 30-033708 ASP# 13878	N/A	REPLACED	NO
·						

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperatur	e F.	

Description of Work: .The valve was repaired using a new disc.

Job Order/File:	C0057231-03	ISI CLASS	2
(CERTIFICATE OF	COMPLIANCE	
We certify that the sta replacement conforms to	tements made in the the rules of the ASM	report are correct and E Code, Section XI	d this <u>repair and/or</u> repair or replacement.
Type Code Symbol	Stamp	!	
Hugus	orization No. <u>MA</u> <i>Yearns</i> Timmons Maint. We	elding Supervisor	
	Owner or Owner's	Designee, Title	
CERT	IFICATE OF INSE	RVICE INSPECTI	ION
warranty, expressed or im described in this Owner's shall be liable in any man kind arising from or connum of the language Inspector's Signature	s and the State or Pro I. nponents described in 7/0: , and s reformed examination ort in accordance with rtificate neither the Ir plied, concerning the Report. Furthermo ner for any personal ected with this inspec	n this Owner's Reportate that to the best of the state that to the best of the state that to the best of the requirements of the requirements of the requirements and core, neither the Inspection. Sometimes of the state of the	and employed by Int during the period of my knowledge and we measures described If the ASME Code, Iloyer makes any corrective measures ctor nor his employer amage or of loss of any
Date	: Feb 27	18 2001	<u> </u>

ISI CLASS

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_09-14-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0057232-03
	One Cook Place, Bridgman, MI 49106	Component#_1-IMO-340
3.	Work Performed by: AEP/D.C. COOK Maintenance Depar	tment
4.	Identification of System: RHR	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs of	r Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	l Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-340						
NUTS	ASME# SA-194 GR 8F	N/A	M&E# 30-212110 ASP# 19704	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The valve was disassembled and reassembled using new nuts.

Job Order/File: C057232-03 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 12-11-00 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
MR Mutimpanal Commissions Mich 0055, END NIT
Inspector's Signature National Board, State, Province, Endorsements
Date: December 13 19 2000
Dano. Decevation of the second

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

Date Performed: 9-21-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0130577-01

One Cook Place, Bridgman, MI 49106

Component# 1-FFI-240

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: AUX. FEEDWATER
- 5. (a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Case: NA
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
STEEL ANGLE	ASTM A36	NA	M&E 30-153012 ASP 21892	NA	REPLACED	NO
HILTI BOLT	НКВ II	NA	M&E 30-046271 ASP 22890	NA	REPLACED	NO
UBOLT	FIG. 137S-N	NA	M&E 30-024090 ASP 21629	NA	REPLACED	NO
STEEL BAR	ASTM A-36-93A	NA	M&E 30-153138 ASP 12509	NA	REPLACED	NO
STEEL BAR	ASTM A-36-93A	NA .	M&E 30-153127 ASP 23372	NA	REPLACED	NO
STEEL BAR	ASTM A-36	NA	M&E 30-153133 ASP 23052	NA	REPLACED	NO

STEEL	ASTM A500	NA	M&E 30-153269	NA	REPLACED	NO
TUBING	1993		ASP 22281			
SCREW CAP	ASME SA-193	NA	M&E 30-211055	NA	REPLACED	NO
	GR B7		ASP 20906			
WASHERS	ASTM F-436-93	NA	M&E 30-212660	NA	REPLACED	NO
			ASP 19173			
			ASP 24217			
STEEL BAR	ASTM A-36-93A	NA	M&E 30-153127	NA	REPLACED	NO
			ASP 20970			

7.	Hydrostatic_NA	Pneumatic N	N/A Nominal	Operating Pres	ssure	
:	NDE: MT	Pressure: psi	Test Ten	nperature	F.	
•	Description of wor	k: INSTALLED H	ANGER AN	D HAD MT P	PERFORM	ED
	•					
	Job Order/File	C0130577-01		IS	[Class_	2
		CERTIFICATE	E OF COM	IPLIANCE		
repl	We certify that the sacement conforms	tatements made into the rules of the	n the report ASME Cod	are correct a le, Section X	and this <u>re</u> (I repair c	epair and/or or replacement.
	Type Code Symb	ol Stamp	NA			
	Certificate of Au	thorization No	NA	_Expiration	Date	Mi
Sign	ed: Dewaype Tr	Myssins) mmons, welding s		T:40	1-30-0	/Date
		Owner or Ow	ner's Design	ee, me		

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I. have inspected the components described in this Owner's Report during the period 7-13-00 to 01-31-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Commissions __ MICHOGES, END NET MAM margaret National Board, State, Province, Endorsements Inspector's Signature Date: Jan 31

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 11-09-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# <u>C0184356-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-QRV-251
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: <u>CHRGN</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-QRV-251						
TRIM ASSY	PLUG and CAGE ASTM- A276	COPES/ VULCAN	30-036160 ASP 22033	N/A	REPLACED	NO
	TP 316L	·				

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperatur	<u>F.</u>	

Description of Work: 1-QRV-251 was repaired and new trim assy was installed.

Job Order/File: C0184356-01 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date NA Signed: Developer Timmons Maint Welding Supervisor Date 1-16-01	
Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-16-01 Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period 11-10-00 to 01-22-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Mathematical Mathematical Reports Signature Date: 5-00 22 15 200 i	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date Performed: 11-24-00 Owner: AMERICAN ELECTRIC POWER 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0203301-02 Plant: D.C.Cook Nuclear Power Plant 2. Component# 1-TK-85 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. Identification of System: LDES 4. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-TK-85						
BOLTS (12)	ASME: SA-193	N/A	TEMP M&E# 00-022115 ASP# 25070	N/A	REPLACED	NO
	GR B7		P.O# 10560			
WASHER (12)	ASTM# F-436-93	N/A	M&E# 30-212690 ASP# 20515	N/A	REPLACED	NO
NUT (12)	ASME# SA-194	N/A	M&E# 30-211880	N/A	REPLACED	NO
	GR-2H		ASP# 20841			

7. Hydrostatic <u>NA</u>	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temp	erature	<u>F.</u>	

Description of Work: The manway cover was removed and new bolts, nuts and washers were installed..

Job Order/File: C0203301-02 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> replacement conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. // Expiration Date //A	
Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-02-01 Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.	
have inspected the components described in this Owner's Report during the period 10 10 10 10 10 10 10 1	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Commissions Management Commissions National Board, State, Province, Endorsements	
Date: <u>Tan</u> 3 19 200;	

323-563

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

P.O. Box	Name 60 Fort Wayne		801	Sheet	1	of3	
Plant D.C.	Addre COOK NUCLEAR	POWER F	LANT	Unit _	# 1		
One Coels	Nam Place, Bridgm		19106	C	203602-3	13	
	Addre	ess .		Repair	Org. P.	O. No., Job	
Work Perfor	med by Instal	lation Se	ervices			ol Stamp N	I/A
	 	Name				No. $\frac{N/A}{\sqrt{1-x^2}}$	
Same a				Expira	ation Dat	e N/A	
	Addr		nicati	on	ΔSI	ME CODE CL	ASS 1
	ion of System	Boron I	1 10	83Ed.,	N/A A	dd. N416-1	Code Cas
(a) Applicab	le Const. Code . le Edition of S	ANSI DSI	. <u></u>	for Penairs	or Repl	acements 19	0000 00 2 89
(b) Applicab Identificat	ion of Componen	ts Repaire	ed or Re	olaced and Re	placemen	t Component	s
Idellettiode	T Jones	T		ł		Repaired	ASME
Name of	Name of	Manuf.	Nat.	Other		Replaced or	Code Stamped
omponent	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
•	Hamaraooaroa	No.	No.	Fication	Built	ment	or No)
SI-141-L1	M&E#	ASP#	N/A	SA182	N/A	Replace-	No
1/2 6000#	30-017244	21714		Grade		ment	
oupling SW			27/2	F304	N/A	Replace-	No
1/2 Globe alve 1500#	Temp M&E#	ASP# >	N/A	SA182 Grade	N/A	ment	100
1 1746 1200#	00-021427	24036		F316			
-1/2 Sch	M&E#	ASP#	N/A	SA376	N/A	Replace-	No
50 Pipe	30-016811	2985		Grade TP304		ment	
/2 Sch 160	M&E#	ASP#	N/A	SA376	N/A	Replace-	No
ipe	30-016807	21866		Grade TP304		ment	
/2 6000#	M&E#	ASP#	N/A	SA182	N/A	Replace-	No
ipe Cap	30-017230	1127		Grade F304		ment	
-1/2 Orfice	Temp M&E#	ASP#	N/A	A182-98A	N/A	Replace-	No
lange	00-022082	24348		Grade F316		ment	
/2 Pipe	M&E#	ASP#	N/A	SA182	N/A	Replace-	No
lug SW	30-017304	11461		Grade F304		ment	
" All	M&E#	ASP# &	N/A	SA453	N/A	Replace-	No
hread Rod	30-212309	20987		Grade 660	1 27 / 2	ment	No.
" Heavy Hex	M&E#	ASP#	N/A	SA194 Grade 8F	N/A	Replace-	No
ut	30-212120	17651	N/A	A240-99A	N/A	Replace-	No
-1/2 x 1/4 rifice	Temp M&E# 00-022089	ASP# 24010	N/A	Grade	11/5	ment	
late				T316			
Description	on of workIns	stall Valv	e 1-SI-1	41-L1, Pipin	g, Orific	ce Flange an	d Orifice
DCP-535		, , , , , , , , , , , , , , , , , , , ,	D	tio D	Tominal O	perating Pr	essure X
Test Condu	cted: Hydrostat	ic 📙	Pneuma	CTC []		est Temp.	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 1 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

As Required by the Provisions of the ASME Code Section XI

	Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	January	16, 2001	
	P.O. Box	Name 60 Fort Wayne	, IN 46	801	Sheet	2	of3	
2.	Plant D.C.	Addre COOK NUCLEAR	POWER P	LANT	Unit _	# 1		
	One Cook	Nam Place, Bridgm	nan, MI 4	9106		203602-1	13 D. No., Job	No eta
3.	Work Perfor	Addre med by <u>Instal</u>	lation S	ervices	Type C	ode Symb	ol Stamp <u>N</u>	
	Same a	as #2	Name			ization Dat	No. <u>N/A</u> e <u>N/A</u>	
4.	Identificat	Addroion of System_	Boron I	njectio	on .		ME CODE CL	
5.	(h) Applicab	le Const. Code le Edition of S	ection XI	Utilized	for Repairs	or Repl	acements 198	39
6.	Identificat	ion of Componen	ts Repaire	ed or kep		pracemen	Repaired	ASME
1 -	Name of omponent	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi- Fication	Year Built	Replaced or Replace- ment	Code Stamped (Yes or No)
	stricting ifice 2"	Temp M&E#	ASP# 24304 4	N/A	SA 479 Grade TP316	N/A	Replace- ment	ИО
				,				
-					<u> </u>			
			<u> </u>	.1	<u> </u>			<u> </u>

325-563

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Fit Up and Final VT and Final PT Applicable Manufacturer's Data Reports to be attached Ref. JO: C203602-13 Design Change: 1-DCP-535 Repair/Replacement Plan: C203602-13 ISI Class 1 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI. REPLACEMENT Repair or replacement Type Code Symbol Stamp ____N/A Certificate of Authorization No. N/A Expiration Date N/A myubate 1-23-01 , 20 01 Owner or Owner's Designee, CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler And Pressure Vessel Inspectors and the State or Province of Michigan and employed by FACTORY MUTUAL INSURANCE Co. of Johnston, R.I. 02919
Have inspected the components described in this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any Warranty, expressed or implied, concerning the examinations and corrective measures Described in this Owner's Report. Furthermore, neither the Inspector nor his Employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. 12 Mulinspans Commissions Michooss, EndNIT National Board, State, Province, Endorsements Date Jan 23 20 01

326-563

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Plant D.C. COOK NUCLEAR POWER PLANT Name		60 Fort Wayne	ess				of 2	
One Cook Place, Bridgman, MI 49106 Address Name	Plant $D.C.$			PLANT	Unit _	# 1	<u> </u>	·
Name	One Cook	Place, Bridgm	nan, MI	49106				No etc
Name as #2 Name	Work Perfo			ervices				
Address	110211 10220				Author	rization	No. N/A	
Time	Same	as #2			Expir	ation Dat	e N/A	
(a) Applicable Const. Code ANSI B31.1 19 83Ed., N/A Add. N416-1 Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manuf. Serial Board Identi-Serial Board Replaced or Replaced Or Stamped Or No. No. No. No. No. No. No. Pication Built or No. No. No. No. No. No. No. Pication Built or No. No. No. No. No. No. No. Replace-Ment or No. No. No. No. No. No. Replace-Ment or No. No. No. No. No. Replace-Ment or No. No. No. No. No. No. Replace-Ment or No. No. No. No. No. Replace-Ment or No. No. No. No. No. No. Replace-Ment or No. No. No. No. No. Replace-Ment or No. No. No. No. No. Replace-Ment or No. No. No. No. Replace-Ment or No. No. No. No. No. Replace-Ment or No. No. No. No. No. Replace-Ment or No. No. No. No. No. No. Replace-Ment or No.	73			Injecti	on	ASI	ME CODE CI	ASS 1
Mame of Name	(a) Applicat	ole Const. Code	ANSI B31	.1 19	83Ed.,	N/A A	dd. N416-1	Code Cas
Name of Name of Components Name of Components Name of Component	(b) Applical	ole Edition of S	ection XI	Utilize	d for Repairs	or kepi	acements 190	89
Name of Component	Identificat	ion of Componen	ts Repair	ed or Re	placed and Re	placemen	t Components	s
Mamu of Component					Other			
No. No. Fication Built ment or No. -SI-141-L2					1_, .,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or	
-SI-141-L2 M&E# ASP# N/A SA182 N/A Replace No ment	Component	Manufacturer	1					
1/2 6000# 30-017244 21714 Grade F304 F304 F304 F304 F304 F306 F3	-ST-141-T2	M&F#				N/A		
-1/2 Globe developed along the state of the		L	1	,	1 -			
Asp# N/A SA376 N/A Replace No ment			7.07.	177/7		NT / 7	Poplage-	No
## F316 -1/2 Sch M&E# ASP# N/A SA376 Grade ME# ASP# N/A SA376 Grade ME# ASP# N/A SA376 MAE# ASP# N/A SA376 MAE# ASP# N/A SA376 Grade ME# ASP# N/A SA376 Grade MAE# ASP# N/A SA376 MAE# ASP# AS		_	1	N/A	•	N/A		INO
Solution		00-021427	24030					
TP304 TP30				N/A		N/A		No
ASP# N/A SA376 Grade TP304 N/A Replace No ment N	60 Pipe	30-016811	2985				ment	
Sipe 30-016807 21866 Grade TP304 T	/2 Sch 160	M&E#	ASP#	N/A		N/A		No
M&E# ASP# N/A SA182 N/A Replace No ment	ipe	30-016807	21866				ment	
Dipe Cap 30-017230 1127 Grade F304 Met ASP#	/2 6000#	M&E#	ASP#	N/A		N/A	Replace-	No
ASP# N/A A182-98A N/A Replace No		4 "	1		and the second s		ment	
Clange	1/2 075 00	Town MCE#	7 CD#	N/A		N/A	Replace-	No
F316	•	_		IV/ A	2	1,,,,,	, ~	
Plug SW 30-017304 11461 Grade F304 ment L" All M&E# ASP# N/A SA453 N/A Replace- Thread Rod 30-212309 20987 Grade 660 ment L" Heavy Hex M&E# ASP# N/A SA194 N/A Replace- Threat Heavy Hex M&E# ASP# N/A N/A N/A Replace- Threat Heavy Hex M&E# ASP# N/A						<u> </u>		
F304	· -	**		N/A	1	N/A		NO
Thread Rod 30-212309 20987 Grade 660 ment L" Heavy Hex M&E# ASP# N/A SA194 N/A Replace- No Sut 30-212120 17651 Grade 8F ment L" Heavy Hex M&E# ASP# N/A SA194 N/A Replace- No Sut 30-212120 22655 Grade 8F Mo Description of work Install Valve 1-SI-141-L2, Piping, Orifice Flange and Orifice	riug sw	30-01/304	11401					<u> </u>
The avy Hex M&E# ASP# N/A SA194 N/A Replace No			1	N/A		N/A	-	No
Nut 30-212120 17651 Grade 8F ment L" Heavy Hex Nut M&E# 30-212120 ASP# N/A SA194 N/A Grade 8F N/A Replace No ment Description of work Install Valve 1-SI-141-L2, Piping, Orifice Flange and Orifice				77./2		NT / N		No
Description of workInstall Valve 1-SI-141-L2, Piping, Orifice Flange and Orifice	-		1	N/A		IN/A	_	"
Nut 30-212120 22655 Grade 8F ment Description of work Install Valve 1-SI-141-L2, Piping, Orifice Flange and Orifice				N/A	SA194	N/A	_	No
	_		22655		Grade 8F		ment	<u></u>
	Descripti DCP-535	on of workIns	stall Valv	re 1-SI-1	41-L2, Pipin	g, Orific	ce Flange an	d Orifice

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 1 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

As Required by the Provisions of the ASME Code Section XI

327-563

FORM	NIS-2	(Back)
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Page 2 of 2

9.	Remarks	Fit Up and Final VT and Final PT VT-2	_
		Applicable Manufacturer's Data Reports to be attached	
		Ref. JO: C203602-14 Design Change: 1-DCP-535	
		Repair/Replacement Plan: C203602-14 ISI Class 1	 -
		CERTIFICATE OF COMPLIANCE	
	REPLACE	ertify that the statements made in the report are correct and this EMENT conforms to the rules of the ASME Code, Section XI. or replacement	
	Type Cod	de Symbol Stamp N/A	
	Certific	cate of Authorization No. N/A Expiration Date N/A	
	Signed	Deutyde James Date 1-24-01, 20 01 Owner or Owner's Designee, Title	
L			
		CERTIFICATE OF INSERVICE INSPECTION	
	And Press by FACT Have insp and belied described Code, See By sign Warranty Described Employer a loss of	ndersigned, holding a valid commission issued by the National Board of Boiles sure Vessel Inspectors and the State or Province of Michigan and employed TORY MUTUAL INSURANCE Co. of Johnston, R.I. 02919 Deceted the components described in this Owner's Report during the period to 1-26-01, and state that to the best of my knowledge ef, the Owner has performed examinations and taken corrective measures ed in this Owner's Report in accordance with the requirements of the ASME extion XI. In this certificate neither the Inspector nor his employer makes any expressed or implied, concerning the examinations and corrective measures ed in this Owner's Report. Furthermore, neither the Inspector nor his established in any manner for any personal injury or property damage or of any kind arising from or connected with this inspection. Commissions Michoss, Endows: National Board, State, Province, Endorsement	
	Date Ja		

As Required by the Provisions of the ASME Code Section XI

328 - 563

Owner AMER	ICAN ELECTRIC	POWER (COMPANY	Date _	January	16, 2001	
	Name	T37 44	-001	6 3	4	- = 0	
P.O. Box 6	60 Fort Wayne Addre		980T	Sheet	1	of3	
Dlant D C	COOK NUCLEAR		ידיא ב, זכ	Unit	# 1		
Plant D.C.	National Nat		LIMINI				
One Cook	Place, Bridgm	nan, MI	19106		203602-1		
	Addre	ess		-	_	O. No., Job	
Work Perfor	med by <u>Instal</u>	lation S	ervices		_	ol Stamp N	I/A
		Name				No. N/A	.
Same a	.s #2 Addr		 	Expira	ation Dat	e <u>N/A</u>	
Tantifiant		ess Boron]	Injectio	าท	ASM	ME CODE CL	ASS 1
(a) Applicab	le Const. Code					dd. N416-1	
(h) Applicab	le Edition of S	ection XI	Utilized	d for Repairs	or Repla	acements 19	89
Identificat	ion of Componen	ts Repaire	ed or Rep	placed and Re	placemen	t Component	5
				Other		Repaired Replaced	ASME Code
Name of	Name of	Manuf.	Nat.	Julier		or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
-SI-141-L3	M&E#	ASP#	N/A	SA182 Grade	N/A	Replace- ment	No
-1/2 6000# lbow 90 Deg	30-017263	23818		F304		IIICIIC	
W							
-1/2 Globe	Temp M&E#	ASP#	N/A	SA182	N/A	Replace-	No
alve 1500#	00-021427	24036 -		Grade		ment	
SW	No.77!!	ASP#	N/A	F316 SA376	N/A	Replace-	No
-1/2 Sch .60 Pipe	M&E# 30-016811	2985	IN/A	Grade	I N/ II	ment	
.oo ripe	30 010011			TP304			
L/2 6000#	M&E#	ASP#	N/A	SA182	N/A	Replace-	No
Pipe Cap	30-017230	1127		Grade F304		ment	
1-1/2 Orfice	Temp M&E#	ASP#	N/A	A182-98A	N/A	Replace-	No
l-1/2 Office Flange	00-022082	24348	**/ **	Grade	1 ,	ment	
_				F316	1272	D1	NT-
1/2 Pipe	M&E#	ASP#	N/A	SA182 Grade	N/A	Replace- ment	No
Plug SW	30-017304	11461		F304			
l" All	M&E#	ASP#	N/A	SA453	N/A	Replace-	No
Thread Rod	30-212309	20987		Grade 660		ment	
l" Heavy Hex	M&E#	ASP#	N/A	SA194	N/A	Replace- ment	No
Nut	30-212120	17651	37/2	Grade 8F	N/A	Replace-	No
1-1/2 x 1/4 Orifice	Temp M&E#	ASP# 24010 •	N/A	A240-94A Grade	N/A	ment	INC
Plate	00-022089	24010		T316		·	
	on of workIns	tall Valv	e 1-SI-1	41-L3, Piping	g, Orific	e Flange an	d Orifice
							~~~;;~~ [닷] .
. Test Conduc	ted: Hydrostat	ic [	Pneuma	<del></del>		perating Pross est Temp.	

MOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

RM NIS-2 OWNER'S REPORT FOR REPAIRS ON REFLECTION XI
As Required by the Provisions of the ASME Code Section XI

39-563

. Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	January	16, 2001	<del></del>
P.O. Box	Name 60 Fort Wayne Addre		5801	Sheet	2	of3	
2. Plant D.C.	COOK NUCLEAR	POWER I	PLANT	Unit _	# 1		****
One Cook	Place, Bridgm	an, MI 4	19106		203602-1		
3. Work Perfor	Addremed by $\frac{1}{2}$		ervices	Type C	ode Symb	O. No., Job ol Stamp N	
Same a	ıs #2	Name			ization I ıtion Dat	No. $\frac{N/A}{N}$	
	Addre ion of System		njectio	on	ASN	ME CODE CL	ASS 1
5. (a) Applicab	le Const. Code	ANSI B31	.1 19	83Ed.,	N/A A	dd. N416-1	
6. Identificat	ion of Component	ts Repaire	ed or Rep	laced and Re	placement	t Components	3
Name of Component	Name of Manufacturer	Manuf. Serial	Nat. Board	Other Identi-	Year	Repaired Replaced or Replace-	ASME Code Stamped (Yes
		No.	No.	Fication	Built	ment	or No)
Restricting Orifice 2" SW	Temp M&E# 00-022057	ASP# 24304 *	N/A	SA 479 Grade TP316	N/A	Replace- ment	No
1/2 Pipe Cap 5000# SW	M&E# 30-017230	ASP# 24376	N/A	SA 182 Grade F304	N/A	Replace- ment	No
						<u> </u>	
		T				1	

As Required by the Provisions of the ASME Code Section XI

221-563

		FORM NIS-2 (Back)	Page 3 of 3		
·	Remarks	Fit Up and Final VT and Final Applicable Manufacturer's Data Rep	PT Final RT on But	tt Welds	
	•	Applicable Manufacturer's Data Rep	jorts to be attached		
	*	Ref. JO: C203602-13	Design Change:	1-DCP-53	5
		Repair/Replacement Plan: C2036	15 Rev 3 INT Class	1	
		Repail/Replacement 11an: 62030	Why	-	
	٠				
		CERTIFICATE OF COMP	LIANCE		
	REPLACE	rtify that the statements made in the remember conforms to the rules of replacement	eport are correct and the ASME Code, Section	this on XI.	
	Type Code	e Symbol StampN/A			
			Expiration Date	N/A	
	Signed _	Dewayse James Da. Owner or Owner's Designee, Title	te <u>/- 24-01</u> , 20	0_01	
L					
_ 		CERTIFICATE OF INSERVICE	INSPECTION	· -	
	And Press by FACT Have insp 7/11/00 and belie described	dersigned, holding a valid commission i ure Vessel Inspectors and the State or ORY MUTUAL INSURANCE Co. of ected the components described in this to 1/29/01, and st f, the Owner has performed examinations in this Owner's Report in accordance w tion XI. ing this certificate neither the Inspec	Province of Michigan Johnston, R.I. 02919 Owner's Report during ate that to the best and taken corrective with the requirements	the pericof my know measures of the ASM	nployed od vledge

Warranty, expressed or implied, concerning the examinations and corrective measures

Employer shall be liable in any manner for any personal injury or property damage or

Commissions Michops, ENDNET

National Board, State, Province, Endorsements

Described in this Owner's Report. Furthermore, neither the Inspector nor his

a loss of any kind arising from or connected with this inspection.

20 01

Inspector's Signature

Date Jan 29

1. Owner: AMERICAN ELECTRIC POWER Date_Performed02-26-00
P.O. Box 60 Fort Wayne IN 46801 Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant Job Order# C0203602-16

One Cook Place, Bridgman, MI 49106 Component# 1-SI-141-L4

3. Work Performed by: AEP/D.C. COOK Maintenance Department

4. Identification of System: <u>BORON INJECTION</u>

5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N-416-1

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SI-141-L4						
1" NUTS	ASME# SA-194 GR-8F HEAVY	N/A	M&E# 30-212120 ASP# 17651	N/A	REPLACED	NO
1 ½" GLOBE VALVE	ASME# SA-182 GR-F-316 Y TYPE	VOGT	TEMP#00-021427 ASP# 24036 PO#9167	N/A	REPLACED	NO
BARREL ORIFICE (160)	ASME# SA-479 GR-F-316	N/A	TEMP# 00-022056 ASP# 24304 PO#97401	N/A	REPLACED	NO
1 ½"ORIFICE FLANGE	ASME#A-182-98 GR-F-316	N/A	TEMP# 00-022082 ASP# 24348 PO#10198	N/A	REPLACED	NO
				·		

7. Hydrostatic_	NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE: PT/RT
Pressure: psi	VT-2	Test Tempe	erature	<u>F.</u>	

As Required by the Provisions for the ASME Code Section XI

1. Owner: **AMERICAN ELECTRIC POWER** 

Date Performed: 02-26-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0203602-16

One Cook Place, Bridgman, MI 49106

Component# 1-SI-141-L4

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>BORON INJECTION</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N-416-1
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SI-141-L4						-
½" PIPE	ASME # SA-376	N/A	M&E3 30-016807	N/A	REPLACED	NO
SCH 160	GR-TP- 304		ASP# 21866			
11/2"	ASME# SA-182	N/A	M&E# 30-017244	N/A	REPLACED	NO
COUPLING	GR—F-304		ASP# 21714			
PIPE CAP	ASME# SA-182	N/A	M&E# 30-017230	N/A	REPLACED	NO
1⁄2" #6000	GR-F-304		ASP# 24376			
½" PLUG	ASME# SA-182	N/A	M&E# 30-017304	N/A	REPLACED	NO
	GR-F-304		ASP# 11461			
ROD 1"	ASME# SA-453	N/A	M&E# 30-212309	N/A	REPLACED	NO
	GR-660 CLASS A		ASP# 20987			

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER  P.O. Box 60 Fort Wayne IN 46801  Unit# 1  2. Plant: D.C.Cook Nuclear Power Plant One Cook Place, Bridgman, MI 49106  Component#_1-SI-1  3. Work Performed by: AEP/D.C. COOK Maintenance Department  4. Identification of System: BORON INJECTION  5. (a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Cast	
P.O. Box 60 Fort Wayne IN 46801  Unit# 1  Plant: D.C.Cook Nuclear Power Plant  One Cook Place, Bridgman, MI 49106  Component# 1-SI-1  Work Performed by: AEP/D.C. COOK Maintenance Department  Identification of System: BORON INJECTION	
Plant: D.C.Cook Nuclear Power Plant     One Cook Place, Bridgman, MI 49106     Component# 1-SI-1  Work Performed by: AEP/D.C. COOK Maintenance Department  Identification of System: BORON INJECTION	02-26-00
One Cook Place, Bridgman, MI 49106 Component# 1-SI-1  3. Work Performed by: AEP/D.C. COOK Maintenance Department  4. Identification of System: BORON INJECTION	
Work Performed by: <u>AEP/D.C. COOK Maintenance Department</u> Identification of System: <u>BORON INJECTION</u>	203602-16
4. Identification of System: BORON INJECTION	<u>I-141-L4</u>
5. (a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Cas	
	Case: N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989,	9, No Addenda
6. Identification of Components Repaired or Replaced and Replacement	nt Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SI-141-L4						
"'ORIFICE PLATE	ASME#A-240-99A GR-TP-316	N/A	TEMP#00-022089 ASP# 24010 PO#10406	N/A	REPLACED	NO
1 ½" PIPE SCH 160	ASME# SA-182 GR- F-304	N/A	M&E# 30-016811 ASP# 2985	N/A	REPLACED	NO

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressur	e PT/RT
	,			
	NDE: VT-2	Pressure: psi	Test Temperature	F.

Description of work: A NEW VALVE ,ORIFICE,PIPE FITTINGS, STUDS AND BOLTS WERE USED IN THE INSTALATION OF 1-SI-141-L4 .A VT-2 & PT /RT EXAM WAS DONE .

Job Order/File C0203602-16 ISI Class

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp NA	
Certificate of Authorization No. NA Expiration Date NA	
Certificate of Authorization No. NA Expiration Date NA Signed: Dewayne Timmons, welding supervisor Date 3-/2-	01
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period	

As Required by the Provisions of the ASME Code Section XI

Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	January	16, 2001	<del></del>
P.O. Box	Name 60 Fort Wayne	, IN 46	801	Sheet	11	of 2	<u> </u>
Plant D.C.	Addre COOK NUCLEAR Nam	POWER E	PLANT	Unit	# 1		
	Place, Bridgm Addre	an, MI 4		Repair	_	). No., Job	
Work Perfor	med by <u>Install</u>		ervices		_	ol Stamp N	[/A
		Name				No. $\frac{N/A}{N}$	
Same a	AS #2 Addre			Expira	tion Dat	e <u>N/A</u>	
Tdontificat	ion of System		Injecti	on	AS	ME CODE C	LASS 2
Identificat (a) Applicab	le Const. Code	ANST B31	.1 19	83Ed			
(a) Applicab	le Edition of S	ection XI	Utilized	for Repairs	or Repla	acements 198	 39
Identificat	ion of Component	ts Repaire	ed or Rep	laced and Re	placemen	t Components	3
Name of		Manuf.		Other		Repaired Replaced	ASME Code
Component	Name of Manufacturer	Serial No.	Nat. Board No.	Identi- Fication	Year Built	or Replace- ment	Stamped (Yes or No)
1-SI-121N 2" Sch 160	M&E# 30-019310	ASP# 18542	N/A	SA376 Grade TP304	N/A	Replace- ment	No
Pipe 4" 90 Degree Elbow SW	M&E# 30-017265	ASP# 11597	N/A	SA182 Grade	N/A	Replace- ment	No
	Maria Maria	ASP#	N/A	F304 SA182	N/A	Replace-	No
1500# Globe Valve SW	Temp M&E# 00-021427	24036	N/A	Grade F316	N/A	ment	
1 x 2 Concentric Reducer Sch	Temp M&E# 00-021402	ASP# 23890 •	N/A	SA 40,3 Grade WP316	N/A	Replace- ment	No
2" Coupling 5000# SW	M&E# 30-017245	ASP# 7539	N/A	SA182 Grade F304	N/A	Replace- ment	No
Restricting Orifice 2" SW	Temp M&E#	ASP# 24304 •	N/A	SA 479 Grade TP316	N/A	Replace- ment	No
	on of work _ Ins	tall Valv	e 1-SI-12	21N, Piping,	and Redu	cing Orific	e per 1-D
35					-		
Most Conde	atod. Undrostat	ic 🗆	Pneumat	ic $\Pi$ N	ominal O	perating Pre	essure X
. Test Conduc	cted: Hydrostat N/A []	Other		ure N/A		est Temp. 1	
n (2) informati	al sheets in form o on in items 1 throu sheets is recorded	gh 6 on this	report is	included on each	used, prov ch sheet, a	vided (1) size and (3) each sh	is 8-1/2 ir eet is numb

As Required by the Provisions of the ASME Code Section XI 336-563

FORM NIS-2 (Back)

Page 2 of 2

€.	Remarks _	Fit Up and Final	/T and Final P	r Final RT on Butt werd	.S [.]
		Applicable Manufact	urer's Data Repo	rts to be attached	
		Pof TO: C203602	1 <i>7</i>	Design Change: 1-DCP-5	535
	-	Rel. JO: C203602-	<u> </u>	Design change: 1 Det 2	
	,	Repair/Replacement	Plan: C20360	2-17 ISI Class 2	
		Tropouzz, respectively			
	_				
		CERT	IFICATE OF COMPLE	ANCE	
	We gow	tife that the statement	made in the rer	ort are correct and this	]
	REPLACEM	ENT conforms	to the rules of t	he ASME Code, Section XI.	
	Repair or	replacement			·
	Type Code	Symbol Stamp N/A			
	<del></del>		NT / 70	Emiration Data N/A	ŀ
	Certifica	te of Authorization No.	N/A	Expiration DateN/A	
		magne James			
	Signedia	Wayse Timnins MANISY	d Walding Date	2-26-, 20 01	
	21dudo 18	Owner or Owner's Design	ee, Title		
<u></u>					
		CERTIFICA	TE OF INSERVICE	INSPECTION	
	by FACTO Have inspendent of the property of th	are Vessel Inspectors and RY MUTUAL INSURANCE Co. ected the components deserged to $\frac{\lambda - \lambda \sqrt{3 - \delta}}{2}$ , the Owner has perform in this Owner's Report	d the State or Property of the Control of the Contr	sued by the National Board of Tovince of Michigan and Tohnston, R.I. 02919 mer's Report during the period that to the best of my knind taken corrective measure the the requirements of the A	iod owledge
	By signi Warranty, Described Employer	ing this certificate nei expressed or implied, o in this Owner's Report.	oncerning the exa Furthermore, no anner for any per	or nor his employer makes an aminations and corrective me either the Inspector nor his resonal injury or property daths inspection.	asures
	a loss of	any kind arising from c	_ COMICCICA WICH		
	MAM/ Inspect	Tor's Signature Comm	issions Micho National	oss, ENÚ NÉT Board, State, Province, Endo	orsements
	Date Fe	b 28 20 01			
	Date FE	20 01	****		!
l	•				

As Required by the Provisions of the ASME Code Section XI

337-563

	PLANT 49106 Service Inject	Repair  Author Expir  3 83Ed., d for Repair placed and Re Other Identi-	# : 2203602- c Org. P. Code Symbol Sy	18 0. No., Job col Stamp No. N/A ce N/A SME CODE Codd. N416-1 acements 19	CLASS 2 Code Case 89 ASME
AR POWER ame gman, MI ress llation S Name ress Safety ANSI B31 Section XI nts Repair Manuf. Serial No. ASP#	Inject L.1 1: Utilize ed or Re  Nat. Board No.	Repair  Repair  Author  Expir  ion  8 83Ed.,  d for Repair  placed and Re  Other  Identi-	203602- c Org. P. Code Symbol rization ation Date A N/A A s or Repl	18 O. No., Job ool Stamp No. N/A ce N/A SME CODE Codd. N416-1 acements 19 t Components Repaired	CLASS 2 Code Case 89 ASME
man, MI ress llation S Name  ress Safety ANSI B31 Section XI nts Repair  Manuf. Serial No. ASP#	Inject L.1 1: Utilize ed or Re  Nat. Board No.	Repair  Author Expir  3 83Ed., d for Repair placed and Re Other Identi-	COrg. P. Code Symbolic Symboli	O. No., Job col Stamp No. N/A ce N/A  SME CODE Codd. N416-1 acements 19 t Components Repaired	CLASS 2 Code Case 89 ASME
Name  ress Safety ANSI B33 Section XI nts Repair  Manuf. Serial No. ASP#	Inject L.1 1: Utilize ed or Re  Nat. Board No.	Author Expires 100 S 83Ed., S glaced and Roughle Control of their Identi-	Code Symbrization Date A:  N/A As or Repl	ool Stamp No. N/A  EME CODE Codd. N416-1  acements 19 t Components Repaired	CLASS 2 Code Case 89 ASME
Name ress Safety ANSI B31 Section XI nts Repair Manuf. Serial No. ASP#	Inject L.1 1: Utilize ed or Re  Nat. Board No.	Author Expiration  9 83Ed., d for Repairs placed and Related Identi-	rization ation Dat A N/A A s or Repl	No. N/A  EME CODE Codd. N416-1  acements 19 t Components  Repaired	CLASS 2 Code Case 89 S
ress Safety ANSI B31 Section XI nts Repair Manuf. Serial No. ASP#	Utilize ed or Re  Nat. Board No.	Expirion 9 83Ed., d for Repairs placed and Re Other Identi-	Axion Date Axion N/A Axion Repl	SME CODE (dd. N416-1 acements 19 t Components Repaired	Code Case 89 s ASME
Safety ANSI B31 Section XI nts Repair Manuf. Serial No. ASP#	Utilize ed or Re  Nat. Board No.	d for Repairs placed and Re Other Identi-	N/A As or Repl	SME CODE (dd. N416-1 acements 19 t Components Repaired	Code Case 89 s ASME
Safety ANSI B31 Section XI nts Repair Manuf. Serial No. ASP#	Utilize ed or Re  Nat. Board No.	9 83Ed., d for Repairs placed and Re Other Identi-	N/A A s or Repl	dd. N416-1 acements 19 t Component: Repaired	Code Case 89 s ASME
ANSI B31 Section XI nts Repair Manuf. Serial No. ASP#	Utilize ed or Re  Nat. Board No.	9 83Ed., d for Repairs placed and Re Other Identi-	N/A A s or Repl	dd. N416-1 acements 19 t Component: Repaired	Code Case 89 s ASME
Manuf. Serial No. ASP#	Utilize ed or Re  Nat. Board No.	d for Repair placed and Ro Other Identi-	s or Repl	acements 19 t Components Repaired	89 s ASME
Manuf. Serial No.	Nat. Board No.	Other Identi-		t Component	ASME
Manuf. Serial No.	Nat. Board No.	Other Identi-		Repaired	ASME
Serial No. ASP#	Board No.	Identi-		Replaced	
Serial No. ASP#	Board No.				Code
No. ASP#	No.		Year	or	Stamped
		Fication	Built	Replace-	(Yes or No)
		SA376	N/A	Replace-	No No
	N/A	Grade	"/ -	ment	, NO
		TP304			
ASP#	N/A	SA376	N/A	Replace-	No
1093		Grade TP316		ment	
ASP#	N/A	SA403	N/A	Replace-	No
677		Grade WP-S-316		ment	
ASP#	N/A	SA403	N/A	Replace-	No
		Grade WP-S-316		ment	
1	N/A		N/A	1 -	No
23890		WP316		ment	
ASP#	N/A	SA 182	N/A	Replace-	No
23890		Grade F304		ment	
ASP#	N/A	SA182	N/A	Replace-	No
7539		Grade F304		ment	
I ACD#	N/A	SA182	N/A	Replace-	No
24036		Grade		ment	
	ASP# 677 ASP# 23890 ASP# 23890	ASP# N/A ASP# N/A ASP# N/A 23890  ASP# N/A 23890  ASP# N/A 7539	ASP# N/A SA403 Grade WP-S-316  ASP# N/A SA403 Grade WP-S-316  ASP# N/A SA 403 Grade WP-S-316  ASP# N/A SA 403 Grade WP316  ASP# 23890  ASP# N/A SA 182 Grade F304  ASP# N/A SA182 Grade F304	ASP# N/A SA403 N/A Grade WP-S-316  ASP# N/A SA403 N/A Grade WP-S-316  ASP# N/A SA403 N/A Grade WP-S-316  ASP# N/A SA 403 N/A Grade WP316  ASP# N/A SA 182 N/A Grade F304  ASP# N/A SA182 N/A Grade F304	ASP# N/A SA403 N/A Replacement  ASP# N/A SA403 N/A Replacement  ASP# N/A SA403 N/A Replacement  WP-S-316  ASP# N/A SA 403 N/A Replacement  ASP# N/A SA 403 N/A Replacement  WP316  ASP# N/A SA 182 N/A Replacement  ASP# N/A SA182 N/A Replacement  ASP# N/A SA182 N/A Replacement  ASP# N/A SA182 N/A Replacement  T304

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

The Provisions of the ASME Code Section XI 338-563

<del></del>	CICAN ELECTRIC	C POWER (	COMPANY	Date _	January	7 16, 2001	
P.O. Box	Name 60 Fort Wayne	e, IN 46	5801	Sheet	2	of 3	
2. Plant D.C.	Addr COOK NUCLEAI Na	R POWER 1	PLANT	 Unit _	# 1		
One Cook	Place, Bridge	nan, MI	19106		203602-		
3. Work Perform	Addr rmed by Instal		0.777.i a 0 0	-	_	O. No., Job	
5. WOLK PELLO	timed by IIIstai	Name	ervices		_	ol Stamp $N$	1/ A
Same a	as #2	Name			ation Dat		<del> </del>
	Addr	ess			acion buc		
	ion of System_					SME CODE C	
	ole Const. Code						
	le Edition of S						
6. Identificat	ion of Componen	ts Repaire T	ed or Rep	laced and Re	placemen	Repaired	ASME
Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other  Identi- Fication	Year Built	Replaced or Replace- ment	Code Stamped (Yes or No)
Restricting	Temp M&E#	ASP#	N/A	SA 479	N/A	Replace-	No
Orifice 2" SW	00-022057	24304		Grade TP316		ment	
1" Sch 160 Pipe	M&E# 30-016809	ASP# 13455	N/A	SA 376 Grade TP304	N/A	Replace- ment	No
_" 90 Deg	M&E#	ASP#	N/A	SA182	N/A	Replace-	No
6000# SW	30-017262	22786		Grade F304		ment	
		ļ		<u> </u>			ļ
		<u> </u>	<u> </u>		<b></b>	ļ	<del> </del>

As Required by the Provisions of the ASME Code Section XI

339-563

#### FORM NIS-2 (Back)

Page 3 of 3

<u>9</u> .	Remarks			Final PT Final RT on Butt Welds
	•	Appl	icable Manufacturer's	Data Reports to be attached
		Ref.	JO: C203602-18	Design Change: 1-DCP-535
		Repair	c/Replacement Plan	: C203602-18 ISI Class 2
<del></del>	<del>,,,,,</del> ,			
			CERTIFICATE	OF COMPLIANCE
	REPLACE		conforms to the r	in the report are correct and this rules of the ASME Code, Section XI.
	_	-	tamp N/A	
		_	horization NoN/I	A Expiration Date N/A
	Signed 2	Owner or	MMONS / MUNITY DESIGNED, Titl	Date <u>/-2401</u> , 20_01
			CERTIFICATE OF I	NSERVICE INSPECTION
H H G G G V	And Press by FACT Have insp 7-22-00 and belie described Code, Sec By sign Warranty, Described Employer	ure Vessel ORY MUTUAL ected the  f, the Own in this O tion XI. ing this c expressed in this O shall be 1	Inspectors and the StanSURANCE Co.  components described in to 2-2-01 / er has performed examination wher's Report in accordance or implied, concerning wher's Report. Further iable in any manner for arising from or connections.	ission issued by the National Board of Boiler tate or Province of <u>Michigan</u> and employed of <u>Johnston</u> , R.I. 02919 In this Owner's Report during the period, and state that to the best of my knowledge inations and taken corrective measures redance with the requirements of the ASME  Inspector nor his employer makes any mg the examinations and corrective measures ermore, neither the Inspector nor his ermore, neither the Inspector nor his er any personal injury or property damage or exted with this inspection.  Mich 2055, End Nil
I	Date <u>►</u> ∈	b 2	20 01	

As Required by the Provisions of the ASME Code Section XI

340 - 563

One Cook I	Fort Wayne Addre COOK NUCLEAR Nam Place, Bridgm Addre med by Install	ess POWER I	900T	211667	\	of 3	
One Cook I	COOK NUCLEAR Nam Place, Bridgm Addre	POWER I		<del></del>		of 3	
. Work Perform	Place, Bridgm Addre	iiC	PLANT	Unit _	# 1		
. Work Perform	Addre	an MT 4	19106	C2	03602-3	0	
		ess	17100			. No., Job	No., etc
	med by IIIDears		ervices	_		ol Stamp N	
Same a	<del>-</del> ·	Name	02 (2002		_	io. N/A	<u></u>
Same a	c #2	Name			tion Dat		
	Addre				.02012		
Identificati		~ ~ .	Inject	ion	ASM	E CODE CL	ASS 1
(a) Applicabl	le Const. Code	B31.1	19 8	3Ed., N/	$\underline{\mathtt{A}}$ Add	N/A Code C	ase
(b) Applicabl	le Edition of Se	ection XI	Utilized	i for kepairs	or kepis	icements rac	<u>.</u>
Identificati	ion of Component	ts Repair	ed or Rep	placed and Re	placement	. Components	3
	-			Other		Repaired	ASME Code
Name of	Name of	Manuf.	Nat.	Ocher		Replaced or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
-		No.	No.	Fication	Built	ment	or No)
1-ASI-R-5314	M&E#	ASP#	N/A	A 36 1991	N/A	Replace-	No
3 x 3 x 1/4	30-153016	20766	/			ment	
Angle	30 133011		1				
3/8 Plate	M&E#	ASP#	N/A	A 36 1991	N/A	Replace-	No
,	30-153204	22442				ment	
1-ASI-R-5316	Temp M&E#	ASP#	N/A		N/A	Replace-	No
x 2 x 1/4	00-020833	23225				ment	ļ
_ube Steel							
3 x 3 x 1/4	M&E#	ASP#	N/A	A500	N/A	Replace-	No
Tube Steel	30-150169	22500		Grade B 1990		ment	
1/2 Plate	M&E#	ASP#	N/A	A 36 1990	N/A	Replace-	No
	30-153206	23162				ment	
3/8 Plate	M&E#	ASP#	N/A	A 36 1991	N/A	Replace-	No
	30-153204	22442				ment	<del> </del>
	M&E#	ASP#	N/A	A 36 1990	N/A	Replace-	No
		22845				ment	1 37-
Angle	30-153030	<del></del>			37/2		No
Angle 1/4 x 4 Flat	30-153030 M&E#	ASP#	N/A	A470 1990	N/A	Replace-	1
2 x 2 x 3/8 Angle 1/4 x 4 Flat Bar	30-153030 M&E# 30-153162	23052		Grade 304		ment	
Angle 1/4 x 4 Flat Bar Hilti Bolt	30-153030 M&E# 30-153162 M&E#	23052 ASP#	N/A N/A		N/A N/A	ment Replace-	No
Angle 1/4 x 4 Flat Bar Hilti Bolt 1/2 x 7	30-153030 M&E# 30-153162 M&E# 30-046271	23052 ASP# 23916	N/A	Grade 304 KBII 12-7	N/A	ment Replace- ment	No
Angle 1/4 x 4 Flat Bar Hilti Bolt	30-153030 M&E# 30-153162 M&E#	23052 ASP#		Grade 304		ment Replace-	

and the number of sheets is recorded at the top of this form.

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

341-563

1. Owne	er AMERI	CAN ELECTRIC	POWER C	OMPANY	Date	January	26, 2001		
P.C	D. Box 6	Name 50 Fort Wayne	, IN 46	801	Sheet	2	of3		
		Addre COOK NUCLEAR	ess		Unit	# 1			
		Nam Place, Bridgm	ne			03602-3			
		Addre			Repair	Repair Org. P.O. No., Job No., etc			
3. Wor	k Perfor	med by Install	lation Se	ervices	Type C	ode Symbo	ol Stamp N	/A	
5			Name	37/3					
	Same a	g #2	210	Expiration Date N/A					
	Same a	Addre	288						
4. Identification of System Safety Injection ASME CODE									
5. (a) Applicable Const. Code			_B31.1	19 _8	<u>3</u> Ed.,N/	<u>A</u> _Add	N/A Code C	ase	
(b)	Applicab	le Edition of Se	ection XI	Utilized	for Repairs	or Repla	acements 19 <u>8</u>	39	
6. Identification of Componer			ts Repaire	d or Rep	laced and Re	placement	: Components	3	
					Other		Repaired Replaced	ASME Code	
Name		Name of	Manuf.	Nat.			or	Stamped	
Compo	nent	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes	
			No.	No.	Fication	Built	ment	or No)	
1-ASI-	R-5317	M&E#	ASP# .	N/A	A500	N/A	Replace-	No	
3 x 3	x 1/4	30-150169	22500		Grade B		ment		
Tube S	Steel			1	1990				
2 x 2	x 3/8	M&E#	ASP#	N/A	A 36 1990	N/A	Replace-	No	
, gle		30-153030	22845				ment		
$\frac{1}{2}$ Pl	ate	M&E#	ASP#	N/A	A 36 1990	N/A	Replace-	ИО	
		30-153206	23162				ment		
1/4 x	4 Flat	M&E#	ASP#	N/A	A470 1990	N/A	Replace-	No	
Bar		30-153162	23052		Grade 304		ment		
Hilti	Bolt	M&E#	ASP#	N/A	KBII 12-7	N/A	Replace-	No	
1/2 x		30-046271	23916	1		l	ment		
		<u> </u>							
			<b> </b>						
			<del> </del>						

Remarks	Final VT Plus MT	VT-3 *
	Applicable Manufacturer's Da	ata Reports to be attached
	Ref. JO: C203602-30	Design Change: 1-DCP-535
	Repair/Replacement Plan:	C203602-30 ISI Class 1
		,
	CERTIFICATE C	F COMPLIANCE
REPLACE	ertify that the statements made in conforms to the runt replacement	the report are correct and this les of the ASME Code, Section XI.
Type Cod	le Symbol Stamp <u>N/A</u>	
Certific	cate of Authorization No. N/A	Expiration DateN/A
Signed <b>3</b>	Sewage James MAINT Sept. Weld Owner or Owner's Designee, Title	hig Date 2-23-01, 20_01
<u> </u>	CERTIFICATE OF INS	SERVICE INSPECTION
And Press by FACT Have insp	sure Vessel Inspectors and the Statement Vessel Inspectors and the Statement Vessel Insurance Co.  pected the components described in the Owner has performed examination of the Owner's Report in according to the Owner's Report in the Owner's Re	sion issued by the National Board of Boiler the or Province of Michigan and employed of Johnston, R.I. 02919 In this Owner's Report during the period and state that to the best of my knowledge nations and taken corrective measures dance with the requirements of the ASME
By sign Warranty, Described Employer	ning this certificate neither the , expressed or implied, concerning d in this Owner's Report. Further	Inspector nor his employer makes any the examinations and corrective measures more, neither the Inspector nor his any personal injury or property damage or ted with this inspection.
MA . Inspec	Mutrapaya Commissions Cor's Signature Na	Mich 0055, End N&T ational Board, State, Province, Endorsements
Date <u>M</u>	Varieh 2 20 01	

As Required by the Provisions of the ASME Code Section XI

. Owner AMERICAN ELECTRIC POWER COMPANY
Name

343 - 563

Date January 25, 2001

Name   Authorization No.   N/A   N/A	P.O. Box	60 Fort Wayne		6801	Sheet	1	of2	
Name   One Cook Place, Bridgman, MI 49105   Address   Work Performed by   Installation   Services   Name   Same as #2   Address   Address   Address   Address   Address   Address   Identification   of System   Safety   Injection   Asme   CoDE   CLASS   2	Dlamb D C			ידיז א דם	IIni+	# 1		
One Cook Place, Bridgman, MI 49106   Address   Address   Name   Name   Name   Address   Name   Address   Name   Address   Name	Plant D.C.			LTWNT	Unit _	# -	-	
Address   Name	One Cook			49106				
Name   Authorization No.   N/A		Addre	ess					
Same as #2	. Work Perfor	med by Instal	lation S	ervices				1/A
Address			Name					
Identification of System	$\underline{\hspace{1cm}}$ Same a	as #2			Expira	ation Dat	e <u>N/A</u>	
(a) Applicable Const. Code B31.1 19 83Ed., N/A Add. N416-1 ode Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Identification of Components Repaired or Replaced and Replacement Components  Name of Name of Manuf. Nat. Board Identi- Year Replaced or No. No. Fication Suilt Replaced (Yes ment Or No)  rimming rifice for -1FI-260 "Orifice Temp M&E# ASP# N/A SA240 Grade TP316 -1/4 All M&E# ASP# N/A SA 453 N/A Replace- ment No hread Rod 30-212315 18021 Grade 660 -1/4 Heavy ex Nut 30-212142 24328 Grade 8F N/A Replace- ment No  Replace- No ment No Replace- No ment N/A SA 194 N/A Replace- No ment N/A SA 194 N/A Replace- Mo ment N/A SA 194 N/A SA 194 N/A Replace- Mo ment N/A SA 194 N/A SA 194 N/A N/A N/A SA 194 N/A				Tadoat	ion	7, (2)	ME CODE CI	766 2
Name of   Name of   Components   Name of   Namufacturer   Serial   No.   No.   No.   No.   Seriation   No.   No.   Seriation   Seriation   No.   No.   Seriation   Seriation   No.   No.   Seriation   Seriation   No.   No.   Seriation   Seriation   No.   Seriation   Ser	. Identificat	lo Const Code	Barety	111 8	3EG NA			ADD Z
Manue of   Name of   Name of   Manuf.   Serial   No.   No.   No.   Fication   Serial   No.   Sa240   Manuf.   Serial   Serial   Serial   No.   Sa240   Manue   Manuf.   Serial   Serial   Serial   No.   Serial   Serial   No.   Serial   Serial   No.   Serial   Seri	. (a) Appiicab Code Case	Te Const. Code	B31.1		JEG., 11/	TI_Aud.	14110 1	
Name of Name of Manuf. Serial No. Nat. Board No. Fication Built Replaced or Replace or No. Fication Built Replaced or Replace or Replace or No. Fication Built Replaced or Replace or No. No. Fication Built Replaced or Replace or No. No. Fication Built Replace or No. No. No. Fication Built Replace or No.	(b) Applicab	le Edition of S	ection XI	Utilized	d for Repairs	or Repl	acements 19	89
Name of Manufacturer Serial No. Nat. Board No. Fication Built Replaced (Yes or No)  rimming rifice for -IFI-260 "Orifice late 00-022086 24010 Grade TP316 -1/4 All M&E# ASP# N/A SA 453 Grade 660 Ment No. SAP# SAP# ASP# SAP# ASP# SAP# ASP# ASP#	. Identificat	ion of Componen	ts Repaire	ed or Rep	laced and Re	placemen	t Component	S
Name of Component         Name of Manufacturer         Manuf. Serial No.         Nat. Board No.         Identipate Tidential No.         Year Replace Replace (Yes ment)         Stamped (Yes ment)           rimming rifice for -IFI-260         Temp M&E# 00-022086         ASP# 24010         N/A SA240 Grade TP316         N/A Replace ment         No           -1/4 All hread Rod 30-212315         ASP# 18021         N/A SA 453 Grade 660         N/A Replace ment         No           -1/4 Heavy ex Nut         M&E# 30-212142         ASP# 24328         N/A SA 194 Grade 8F         N/A Replace ment         No					Other			1
Manufacturer   Serial   Board   Identi   Year   Replace   (Yes or No)	Name of	Name of	Manuf.	Nat.	Cencer		_	l
rimming rifice for -IFI-260  " Orifice Temp M&E# O0-022086	Component	Manufacturer	Serial	1				
rifice for -IFI-260  "Orifice Temp M&E# 00-022086			No.	No.	Fication	Built		or No)
-IFI-260 "Orifice Temp M&E# ASP# N/A SA240 Grade TP316 -1/4 All M&E# ASP# N/A SA 453 Grade 660 hread Rod 30-212315 18021 SA240 M&E# ASP# N/A SA 453 Grade 660 -1/4 Heavy ex Nut 30-212142 24328 SA240 MAE# ASP# SA 194 Grade 8F MA Replace Moment Ment SA 194 Grade 8F	Trimming							
"Orifice Temp M&E# ASP# N/A SA240 N/A Replace- late 00-022086 24010 Srade TP316 N/A Replace- ment No m								
late 00-022086 24010 Grade TP316 ment  -1/4 All M&E# ASP# N/A SA 453 Grade 660 ment  -1/4 Heavy M&E# ASP# N/A SA 194 N/A Replace- Moment  -1/4 Heavy ex Nut 30-212142 24328 Grade 8F Ment		Temp McE#	ASD#	NI/A	SA240	N/A	Replace-	No
-1/4 All M&E# ASP# N/A SA 453 N/A Replace-ment No ment	Plate	_	1	N/A	Grade			
hread Rod 30-212315 18021 Grade 660 ment  -1/4 Heavy M&E# ASP# N/A SA 194 N/A Replace- ex Nut 30-212142 24328 Grade 8F ment	1-1/4 All	M&E#	ASP#	N/A		N/A	Replace-	No
ex Nut 30-212142 24328 Grade 8F ment	Thread Rod	30-212315	18021		Grade 660			
	1-1/4 Heavy	The state of the s	1	N/A		N/A		No
	Hex Nut	30-212142	24328	<u> </u> .	Grade 8F		ment	
			ļ	ļ				
			<u> </u>			<del> </del>		
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				<u></u>			.h	1.3
		on of work <u>Ins</u>	tall Trim	ming Orii	rice for 1-II	r1-260 in	accordance	with I-DC
2	35							
Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure	Test Conduc	ted. Wydrostat	ic 🗆	Dneumat	ic 🗆 N	ominal Or	perating Pre	essure 🗵
77/7	. Test Conduc	<u>-</u>			<del>-</del>			
N/A Other Pressure $N/A$ psi Test Temp. $N/A$ F		N/A L	Orner [	l tress	TALE TALE	Ther ic		,
TE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in								
to the state of th	OTE: Supplement	al sheets in form o	f lists, ske	etches, or	drawings may be	used, prov	rided (1) size	is 8-1/2 in
., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is number if the number of sheets is recorded at the top of this form.	n., (2) information	on in items 1 throug	gh 6 on this	report is	included on each	used, prov ch sheet, a	rided (1) size nd (3) each sh	is 8-1/2 in meet is numbe

ه سمت	Remarks				V.T.−.					
	<del></del>	Applicable Manufacturer's Data Reports to be attached								
		Ref.	JO: C2	203602-36		Design	Change:	1-DCP-535		
	-				Plan: C203602					
	-	···								
				CERTIFI	CATE OF COMPLIA	NCE				
	We cer REPLACEM Repair or	ENT	cc	catements monforms to	ade in the repo the rules of the	rt are c ∋ ASME C	correct and Code, Secti	d this ion XI.		
	Type Code	Symbol	Stamp	N/A	<del></del>		· · · · · · · · · · · · · · · · · · ·	<u></u>		
				·	N/A E	«piratio	on Date	N/A		
	Signed a	Very o	ne fin musuk v. r Owner's	min Supl. s Designee,	wolding Date Title	A-	3-, 2	20_01		
_ [		<del></del>	C:	ERTIFICATE	OF INSERVICE IN	SPECTIO	N			
	And Pressi by FACTO Have inspective of the control	cted the control of t	TAL INSURATION OF THE COMPONENT HAS COWNER'S CERTIFIC FED OWNER'S COWNER'S COWNER'S	etors and to the	he State or Pro- of Jo bed in this Own , and state examinations an accordance with er the Inspector erning the exam furthermore, nei	vince of hnston, er's Rep that to d taken the rec nor his inations ther the	Michiga R.I. 02919 Oort during the best corrective quirements s employer and corre inspector	of my knowledge e measures of the ASME makes any ective measures nor his		
	Employer s a loss of	shall be any kin	e liable ind ad arising	in any mann g from or c	er for any personnected with t	onal inj his insp	jury or pro section.	operty damage or		
	MX 1	Minter cor's Si		Commiss	ions <u>Mich 005</u> National Bo	<u> </u>	Rωέ <u>τ</u> ate, Provin	nce, Endorsements		
	Date Fe	s. <u>5</u>	2	20_01						

As Required by the Provisions of the ASME Code Section XI

Owner AMERICAN ELECTRIC POWER COMPANY
Name

P.O. Box 60 Fort Wayne, IN 46801
Address

345-563

Date January 25, 2001

Sheet <u>1</u> of <u>2</u>

2. Plant D.C.	COOK NUCLEAR	POWER I	PLANT	$_$ Unit $_$	# 1		
	Nar	ne					
One Cook	Place, Bridgm	an, MI 4	19106		203602-3		
	Addre	ess		Repair	Org. P.C	No., Job	No., etc
3. Work Perfor	cmed by Install	lation S	ervices	Type C	ode Symb	ol Stamp N	I/A
		Name			ization 1	10. N/A	
Same a	as #2			Expira	tion Dat	e N/A	
<u> </u>	Addre	288				<u>,</u>	<del></del>
4. Identificat	ion of System		Injecti	ion	ASM	ME CODE CL	ASS 2
	le Const. Code				A Add.		<del></del>
Code Case	ie const. code	DJ1.1		<u></u>	<u></u>	11110 1	
	le Edition of Se	action YT	II+ilized	l for Penairs	or Repla	cements 19	89
6. Identificat	ion of Component	s Renaire	ed or Rep	laced and Re	placement	Component	S
C. Identificat	Ton or component	Repuire	I I III	1		Repaired	ASME
_		·		Other		Replaced	Code
Name of	Name of	Manuf.	Nat.			or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
Trimming							
Orifice for			ļ				
1-IFI-266							
4" Orifice	Temp M&E#	ASP#	N/A	SA240	N/A	Replace-	No
Plate	00-022086	24010		Grade		ment	
			ļ	TP316			
1-1/4 All	M&E#	ASP#	N/A	SA 453	N/A	Replace-	No
Thread Rod	30-212315	18021		Grade 660		ment	<u> </u>
1-1/4 Heavy	M&E#	ASP#	N/A	SA 194	N/A	Replace-	No
Hex Nut	30-212142	24328		Grade 8F	ment		
					ļ		
	<u> </u>						
<u> </u>	J		<u> </u>			<u> </u>	
7. Description	on of work Ins	tall Trim	ming Orif	ice for 1-IF	I-266 in	accordance	with 1-DCP-
535	<del></del>						
8. Test Conduc	ted: Hydrostat	ic $\square$	Pneumat	ic \ No	ominal Op	erating Pre	essure 🗵
						st Temp. 1	
	N/A 🗌	Other [	LICER	uic <u>n/h</u>	PDI IC		-,
NOTE: Cumlamont	al sheets in form of	fligte eke	tches or	drawings may be	used, prov	ided (1) size	is 8-1/2 in. x 1
in., (2) information	on in items 1 throug	ph 6 on this	report is	included on eac	h sheet, a	nd (3) each sh	eet is numbered
and the number of	sheets is recorded a	it the top o	f this form	n.			

_:	Remarks	VT-2
		Applicable Manufacturer's Data Reports to be attached
		Ref. JO: C203602-37 Design Change: 1-DCP-535
		Repair/Replacement Plan: C203602-37 ISI Class 2
		CERTIFICATE OF COMPLIANCE
	REPLACE	rtify that the statements made in the report are correct and this  MENT conforms to the rules of the ASME Code, Section XI.  r replacement
	Type Cod	e Symbol StampN/A
	Certific	ate of Authorization No. N/A Expiration Date N/A
	Signed	Owner or Owner's Designee, Title
	<del> </del>	CERTIFICATE OF INSERVICE INSPECTION
	And Press by FACT Have insp /0-z-c and belied	dersigned, holding a valid commission issued by the National Board of Boiler ure Vessel Inspectors and the State or Province of <u>Michigan</u> and employed DRY MUTUAL INSURANCE Co. of Johnston, R.I. 02919  acted the components described in this Owner's Report during the period to <u>i-31-01</u> , and state that to the best of my knowledge f, the Owner has performed examinations and taken corrective measures in this Owner's Report in accordance with the requirements of the ASME
	Warranty, Described Employer	ing this certificate neither the Inspector nor his employer makes any expressed or implied, concerning the examinations and corrective measures in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or any kind arising from or connected with this inspection.
	M J. J.	Commissions MICL 2055, GND N LT tor's Signature National Board, State, Province, Endorsements
	Date <u>Ja</u>	20 01
1		

As Required by the Provisions of the ASME Code Section XI

347 - 563

Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date	January	25, 2001	
~ DO Boy	Name 60 Fort Wayne	TN 46	801	Sheet	1	of 2	
P.O. BOX	Addre		,001				
Plant D.C.	COOK NUCLEAR		LANT	Unit _	# 1		
	Nan	ne					
One Cook	Place, Bridgm	an, MI 4	19106		03602-3		No of a
	Addre			_		). No., Job ol Stamp N	
Work Perfor	med by <u>Install</u>		ervices	Type C	ization l	No. $N/A$	1/ FA
Como	ng #0	Name			tion Dat		
Same a	Addre	ess		Evbira	CION Dac		
Identificat	ion of System	Safety	Injecti	ion	ASM	ME CODE CL	ASS 2
(a) Applicab	ion of System le Const. Code	B31.1	19 8	3Ed., N/	A Add.	N/A	
ode Case					1		
(b) Applicab	le Edition of Se	ection XI	Utilized	l for Repairs	or Repla	acements 198	89
Identificat	ion of Component	s Repaire	ed or Rep	laced and Re	placemen	Repaired	S ASME
				Other		Replaced	Code
Name of	Name of	Manuf.	Nat.			or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
Support							
Channel for 1-IFI-260					'		
C6 x 10.5	Temp M&E#	ASP#	N/A	A36-97a	N/A	Replace-	No
Thannel Iron	00-022083	23863	<b>'</b>			ment	
/							
<u></u>							
			<u></u>				
					<del> </del>		<del> </del>
		ļ			<del>                                     </del>		
			<u> </u>	1	1	<u> </u>	1
. Descriptio	on of workIns	tall Chan	nel Suppo	ort for 1-IFI	-260 in	accordance	with 1-DCP-
. Descripere							
. Test Conduc	cted: Hydrostat			ic No			
	n/a ⊠	Other [	] Press	sure <u>N/A</u>	_psi Te	est Temp.	N/A F
						.:a.a (1) cino	ia 0-1/2 in

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 1: in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

٠.	Remarks			Final VT P		
	•	App	plicable	Manufacturer's	Data Reports to	be attached
		Ref.	JO: C2	203602-38	Des	ign Change: 1-DCP-535
			· /¬ ¬		- 0000000	TGT Class 2
		Repa	ir/Repl	acement Plan	1: C203602-38	ISI Class 2
				CERTIFICAT	E OF COMPLIANCE	·
	We ce REPLACE Repair o	MENT	cc	atements made onforms to the	in the report a rules of the AS	re correct and this ME Code/ Section XI.
	Type Cod	e Symbol	Stamp	N/A		
					/A Expir	ation Date <u>N/A</u>
	00101110	_	//			
	6	Lewayn	Genin	0		2 /2
	Signed $\mathcal{J}$	Owner o	7/MMDWS	MAINT Jupy s Designer, Ti	Welling Date	<u>2-12-</u> , 20 <u>01</u>
	•					
	<u>.</u>		C	ERTIFICATE OF	INSERVICE INSPEC	TION
	And Press by FACT Have insp 9/20 and belied described	oure Vess ORY MUTU Dected th /oo ef, the Color this	sel Inspect JAL INSURA ne compone to 2 Owner has s Owner's	ctors and the ANCE Co. ents described	State or Province of Johnst in this Owner's , and state tha minations and ta	y the National Board of Boiler e of Michigan and employed on, R.I. 02919 Report during the period t to the best of my knowledge ken corrective measures requirements of the ASME
	By sign Warranty, Described	tion XI. ing this express l in this shall be	certifices certifices or important controls or important controls control controls control controls control controls control controls control controls control contr	cate neither t plied, concern Report. Furt in any manner	he Inspector nor ing the examinat hermore, neither	his employer makes any lions and corrective measures the Inspector nor his injury or property damage or
	Inspec	Medicap ctor's Si	augh- ignature	Commission	s <u>Mich 0055, e</u> National Board,	State, Province, Endorsements
	Date	Feb 13		20 01		

As Required by the Provisions of the ASME Code Section XI

349-563

Owner AMER	ICAN ELECTRIC	POWER (	COMPANY	Date _	January	25, 2001	<del></del>
P O Box	Name 60 Fort Wayne	. TN 46	5801	Sheet	1	of 2	
1.0. DOX	Addre		3001				
Plant D.C.	COOK NUCLEAR		PLANT	Unit	# 1	,	
<u> </u>	Nan						
One Cook	Place, Bridgm	an, MI	19106		03602-3		
	Addre	ess				). No., Job	
Work Perfor	rmed by Install	lation S	ervices			ol Stamp $N$	I/A
	***************************************	Name		Author	ization 1	No. $N/A$	
Same a	as #2			Expira	tion Dat	e <u>N/A</u>	
	Addre						_
Identificat	ion of System	Safety	Inject	ion ·		ME CODE CL	ASS 2
(a) Applicab	le Const. Code	B31.1	198	3Ed., N/	$\underline{\mathtt{A}}$ Add.	N/A	
ode Case					7 _		2.2
(b) Applicab	ole Edition of Se	ection XI	Utilized	l for Repairs	or Repla	acements 19	89
<u> Identificat</u>	ion of Component	ts Repair	ed or Rep	laced and Re	pracemen	Repaired	ASME
				Other		Replaced	Code
Name of	Name of	Manuf.	Nat.		ļ	or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
upport							
hannel for							
-IFI-266			1	726 05-	N/A	Replace-	No
6 x 10.5	Temp M&E#	ASP#	N/A	A36-97a	N/A	ment	INO I
hannel Iron	00-022083	23863	<u> </u>				
				ļ			
			<u> </u>	<del> </del>			
			<del></del>				
<del></del>					<del> </del>		
			<u> </u>				
				<u> </u>			
			<del> </del>	<del> </del>			<del> </del>
		L	J	1	<u> </u>	<u> </u>	.1
Description	on of work Ins	tall Chan	nel Suppo	ort for 1-IFI	-266 in	accordance	with 1-DCP-
peacripere	W OT MOTIVE TITE		~~pp				
. Test Conduc	cted: Hydrostat	ic 🗌	Pneumat	cic 🗌 N	-	perating Pre	
	n/a ⊠	Other [	Pres	sure N/A	psi Te	est Temp	N/A °F
	·	,	<del></del>				<del></del>
TE: Supplement	al sheets in form o	f lists, ske	etches, or	drawings may be	used, prov	rided (1) size	is 8-1/2 in.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

-	Remarks			Final VT I		
	-	Apj	plicable	Manufacturer	's Data Reports to	be attached
		Ref.	JO: (	2203602-39	Desi	gn Change: 1-DCP-535
		Repa	ir/Rep	lacement Pla	an: C203602-39	ISI Class 2
				CERTIFICA	TE OF COMPLIANCE	
	We ce REPLACE Repair o	MENT		statements made conforms to the	e in the report are e rules of the ASMI	e correct and this E Code/ Section XI.
	Type Cod	e Symbol	Stamp	N/A		<u></u>
					N/A Expira	tion Date <u>N/A</u>
	Signed 2	Dewagn Ewyner o	Timmon's Towner	weldsyn M. 's Designee, T	itle Date 2	-/2-01 , 20 <u>01</u>
				CERTIFICATE OF	INSERVICE INSPECT	'ION
	And Press by FACT Have insp 7/26/ and belie described Code, Sec By sign Warranty, Described Employer	ure Vess ORY MUTU ected the continuity f, the Continuity tion XI. ing this express in this shall be	sel Insperior In	ectors and the RANCE Co. nents describe 2-/3-0; s performed ex s Report in ac icate neither mplied, concer s Report. Fur in any manner	State or Province of Johnsto d in this Owner's , and state that aminations and tak cordance with the the Inspector nor ning the examinati thermore, neither	Report during the period to the best of my knowledge en corrective measures requirements of the ASME his employer makes any ons and corrective measures the Inspector nor his injury or property damage or
	Inspec	-Mulli tor's Si	rynus Ignature	Commissio	ons <i>Mich 0055, E</i> National Board,	NONIT State, Province, Endorsements
	Date Fa	:6 13		20_01		

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

Plant: D.C.Cook Nuclear Power Plant

Job Order# C0204675-03

One Cook Place, Bridgman, MI 49106 Component#_1-TK-33

3. Work Performed by: AEP/D.C. COOK Maintenance Department

4. Identification of System: <u>REFUELING WATER STORAGE TANK</u>

5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
(4) ELBOWS	ASME# SA-403	N/A	TEMP# 00-21421	N/A	REPLACED	NO
SCH 10S  20" SEAMLESS	GR- WP-304 ASME# SA—312	N/A	ASP# 23734 PO# 8932 ASP# 23734	N/A	REPLACED	NO
SCH 10S (2) 45,s SCH	GR- TP-304 ASME# 403	N/A	ASP# 23734	N/A	REPLACED	NO
10S 2" SCH 10S	GR- WP-304 ASME# SA-312	N/A	TEMP# 00-22108	N/A	REPLACED	NO
	GR - TP-304		ASP# 24039 PO# 10432			

7. Hydrostatic NA Pneumatic NA Nomial Operating Pressure NDE: VT,PT

Pressure: psi Test Temperature F.

Description of Work: The old pipe was removed and the new pipe was installed...

NDE:

Pressure: psi Test Temperature F.
Description of Work: The old pipe was removed and the new pipe was installed
_Job Order/File: C0204675-03 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement conforms</u> to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date Signed: Dewayne Timmons Maint. Welding Supervisor Date Designee, Title
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature  Date: Feb 28  National Board, State, Province, Endorsements

7. Hydrostatic NA Pneumatic NA Nomial Operating Pressure

As Required by the Provisions of the ASME Code Section XI

353-563

Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	January	30, 2001	
P O Boy	Name 60 Fort Wayne	TN 46	5801	Sheet	1	of 2	
F.O. BOX	Addre		7001		<u></u>	<u> </u>	<del>.</del>
2. Plant D.C.	COOK NUCLEAR		PLANT	Unit _	# 1		
	Nar	ne					
One Cook	Place, Bridgm		19106		04675-0		
_	Addre					No., Job	
3. Work Perfor	med by <u>Instal</u>		ervices		-	ol Stamp N	I/A
		Name				No. <u>N/A</u>	
Same a				Expira	tion Dat		1 - 3
4. Identificat	Addre ion of System_R		Water	Storage Ta	nk A	SME CODE	CLASS SMIM
5. (a) Applicab	le Const. Code	VIII	19 8	3Ed., N/	A Add.	N/AC	ode Case 3/13/
(b) Applicab	le Edition of S	ection XI	Utilized	for Repairs	or Repla	acements 198	39
6. Identificat	ion of Component	ts Repaire	ed or Rep	laced and Re	placement	c Components	5
				Other		Repaired	ASME
Name of	Name of	Manuf.	Nat.	Other		Replaced or	Code Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-TK-33	Temp M&E#	ASP#	N/A	SA240-A96	N/A	Replace-	No
1/2 x 2 x	00-023467	023990		Type 304L		ment	
1'-11" Split			,	ļ			
Reinforcing							
Plate					<u> </u>		
<u> </u>							
							<del> </del>
			<del> </del>		<del></del>		<del></del>
			<del> </del>				
7. Description accordance with		tall Rein	forcement	: Plate For R	WST Tank	Overflow No	ozzle in
8. Test Conduc	N/A ⊠	Other [		sure N/A	_psi Te	perating Present Temp.	N/A °F
NOTE: Supplement	al sheets in form o	f lists, ske	tches, or	drawings may be	used, prov	rided (1) size	is 8-1/2 in. x

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 1 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

. Remarks			nd Final VI Plu	
•	App	olicab]	e Manufacturer's I	Data Reports to be attached
	Dof	το.	C20467E 04	Design Change: 1-DCP-678
	Rel.	00:	C204675-04	Design Change: 1-DCF-070
	Repa	ir/Re	placement Plan:	C204675-04 ISI Class 2
			,	
			CERTIFICATE	OF COMPLIANCE
We ce <u>REPLACE</u> Repair o	MENT		statements made is conforms to the r	n the report are correct and this ules of the ASME Code, Section XI.
-	_			
Type Cod	e Symbol	Stamp	N/A	
Certific	ate of A	uthori	zation No. <u>N/A</u>	Expiration Date N/A
	$\hat{\mathbf{C}}$	11	· _ <b></b>	
1	Mays L	Alen	mo Carrell	. Vy Date <u>2-5-</u> , 20_01
Signe	Wayse Ta	MINONS	ris Designee Titl	Date <u>4/3/</u> , 20 01
	OWNEL	i Owne.	L B Debignee, 1101	
	<del>~~~~</del>			
			CERTIFICATE OF IN	SERVICE INSPECTION
I, the un	dersigne	d, hol	ding a valid commi	ssion issued by the National Board of Boiler
And Press	ure Vess	el Ins	pectors and the St	ate or Province of <u>Michigan</u> and employed
Have insp	ected th	e comp	onents described i	of Johnston, R.I. 02919 n this Owner's Report during the period
5-1.00		t.o	2-6-01	and state that to the best of my knowledge
and belie	f, the O	wner h	as performed exami	nations and taken corrective measures dance with the requirements of the ASME
Code, Sec	tion XI.	Owner	s Report in accor	dance with the reduirements of one in.
By sign	ing this	certi	ficate neither the	Inspector nor his employer makes any
Warranty,	express	ed or	implied, concernin	g the examinations and corrective measures
Described	n this	Owner	's keport. Furthe e in any manner fo	rmore, neither the Inspector nor his or any personal injury or property damage or
a loss of	any kin	d aris	ing from or connec	ted with this inspection.
	A			
MAN	Unters	paus	Commissions_	Mich poss, ENDNET Vational Board, State, Province, Endorsements
Inspec	tor's Si	gnatyr	e N	Mational Board, State, Province, Endorsements
		0		
Date <u>Fe</u>	b 6		20_01	

As Required by the Provisions of the ASME Code Section XI

355-563

	60 Fort Wayne	ess	5801	Sheet	·····	of2	
Plant D.C.	COOK NUCLEAR		LANT	Unit _	# 1	•	
One Cook	Place, Bridgm		9106	C	204675-0	05	
	Addre			Repair	Org. P.	O. No., Job	No., etc
Work Perfor	rmed by Instal	lation Se	ervices	Type C	ode Symb!	ol Stamp <u>N</u>	1/A
	, ,	Name		Author	ization :	<del></del>	
Same a				Expira	ation Dat		·
	Addr				70.	RE4 3	113/01 3
	ion of System	Safety				SME CODE	
	ole Const. Code						ode Case
(b) Applicat	ole Edition of Scion of Componen	ection XI to Penaire	Utilized	l for kepairs	or kepi	t Component	3
Identificat	Ton or component	Cs Repaire	u or ker	Tacca and Re	)	Repaired	ASME
				Other		Replaced	Code
Name of Component	Name of	Manuf.	Nat.	Identi-	Year	or	Stamped
Component	Manufacturer	Serial No.	Board No.	Fication	Built	Replace- ment	(Yes or No)
L-ASI-R-4006	Temp M&E#	ASP#	NO.	A554-98	N/A	Replace-	No No
$3 \times 3 \times 1/4$	100-021390	023689 »	N/A	Grade 304	N/A	ment	NO
Tube Steel	00-021370	023005					
3 x 3 x 3/8	Temp M&E#	ASP#	N/A	A479-99	N/A	Replace-	No
Angle	00-021387	023689		Grade 304		ment	
1 x 4 x 3/8	Temp M&E#	ASP#	N/A	A479-99	N/A	Replace-	No
Angle	00-021388	023689 *		Grade 304		ment	
5/8 Plate	M&E#	ASP#	N/A	SA240-88 Type 304	N/A	Replace- ment	No
1 DOT D 4000	30-153220	12375	37/3	A554-98	N/A	Replace-	No
1-ASI-R-4007 3 x 3 x 1/4	Temp M&E# 00-021390	ASP# 023689 ·	N/A	Grade 304	IN/A	ment	I NO
Tube Steel	00-021350	023005					Ì
3 x 3 x 3/8	Temp M&E#	ASP#	N/A	A479-99	N/A	Replace-	No
Angle	00-021387	023689 •		Grade 304		ment	
4 x 4 x 3/8	Temp M&E#	ASP#	N/A	A479-99	N/A	Replace-	No
Angle	00-021388	023689 •		Grade 304		ment	37-
5/8 Plate	M&E#	ASP#	N/A	SA240-88 Type 304	N/A	Replace-	No
1-ASI-R-4008	30-153220 Temp M&E#	12375 ASP#	N/A	A554-98	N/A	Replace-	No
$3 \times 3 \times 1/4$	00-021390	023689	N/A	Grade 304	IN/A	ment	"
Tube Steel	00 021550	023003					1
3 x 3 x 3/8	Temp M&E#	ASP#	N/A	A479-99	N/A	Replace-	No
Angle	00-021387	023689 •		Grade 304		ment	
4 x 4 x 3/8	Temp M&E#	ASP#	N/A	A479-99	N/A	Replace-	No
Angle	00-021388	023689.		Grade 304		ment	
5/8 Plate	M&E#	ASP#	N/A	SA240-88	N/A	Replace-	No
	30-153220	12375	<u> </u>	Type 304	<u> </u>	ment	<u></u>
D = = = = = 4 = - 4 .				rta for Ducm	Tank Orro	rflow Mozel	e in
. Description of the Description		carr Libii	ig suppo	rts for RWST	TALLK UVE	TITOW NOZZI	
COLUMNICE WILL	I I DCE 070						
	cted: Hydrostat		Pneuma			perating Pre	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

⁻ 9.	Remarks			Final VT Pl	us PT
	_	Apr	plicabl	e Manufacturer's	Data Reports to be attached
		Ref.	JO:	C204675-05	Design Change: 1-DCP-678
	•				
		Repa	ir/Rej	placement Plan	: C204675-05 ISI Class 2
_	•				
				CERTIFICATE	e OF COMPLIANCE
	REPLACEM	IENT		statements made conforms to the	in the report are correct and this rules of the ASME Code, Section XI.
	Repair or	replace	ement		
	Type Code	: Symbol	Stamp	N/A	
	Certifica	ite of Ai	uthoriz	zation No. N/	A Expiration DateN/A
		Dura	120/0	Sum !	
	Signed	WAINE TI	MINIENS .	MANT Super welling	Date 2-5-, 20_01
		Owner or	r Owner	r's Designee, Tat	le
	, ,			· · · · · · · · · · · · · · · · · · ·	
Ī				CERTIFICATE OF I	INSERVICE INSPECTION
	had Pressu by FACTO Have insper 3-1-00 and belief	ore Vesson MUTUA ected the Office the Office of the Office	el Insp AL INSU e compo to wner ha	pectors and the SURANCE Co. conents described 2-6-01 as performed exam	dission issued by the National Board of Boiler state or Province of <u>Michigan</u> and employed of <u>Johnston</u> , R.I. 02919  in this Owner's Report during the period, and state that to the best of my knowledge inations and taken corrective measures ordance with the requirements of the ASME
	By signi Warranty, Described Employer s	ing this expresserin this shall be	certifed or following controls or following	implied, concerni 's Report. Furth e in any manner f	ne Inspector nor his employer makes any ang the examinations and corrective measures dermore, neither the Inspector nor his for any personal injury or property damage or ected with this inspection.
	Inspect	wers cor's Si	zawal gnatur	Commissions	Michop55, Encl NET National Board, State, Province, Endorsements
	Date <u>F</u> e	ь 6	<del> </del>	20 01	

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: <u>AMERICAN E</u>	LECTRIC POWE	Date_P	erformed <u>: 10-10</u>	<u>-00</u>	
	P.O. Box 60 Fort Wayne	e IN 46801	Unit# 1			
	2. Plant: <u>D.C.Coo</u>	k Nuclear Power Pl	<u>lant</u>	Job Order <u>#_C</u>	0205318-02	
	One Cook Place, Bridge	nan, MI 49106	Compor	ent <u>#_1-SV-1A-2</u>		
3.	Work Performed by: AF	P/D.C. COOK Mai	ntenance Department			
4.	Identification of System	n: MAIN ST	EAM			
<u>5.</u>	(a) Applicable Construc	tion Code: <u>ANSI-B</u>	31.1-1983 Ed. NO Add	1., Code Case:	N/A	
	(b) Applicable Edition of	f Section XI Utilize	ed for Repairs or Replacem	ents: 1989, No A	Addenda	
6.	Identification of Con	aponents Repair	ed or Replaced and Re	placement Cor	nponents	
ame of	ASME, ASTM or	Name of	Material Identification	: Year built	Repaired	ASME
omponent	AISI designation:	Manufacture	M&E# ASP# P.O.#	in Fam. Same	Or Replaced	Code Stamped Yes/No
			ASP#	<u></u>	Or	Code Stampe
omponent			ASP#	N/A	Or	Code Stamped Yes/No
omponent SV-1A-2	AISI designation:	Manufacture	ASP# P.O.#		Or Replaced	Code Stamped Yes/No NO
SV-1A-2 	ASME SA-193	Manufacture	ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO
SV-1A-2 	ASME SA-193	Manufacture	ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO
SV-1A-2 	ASME SA-193	Manufacture	ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO
SV-1A-2 	ASME SA-193	Manufacture	ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO

Description of work: Remove valve and prep for shipment to vendor for testing, reinstall

Job Order/File: C0205318-02 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date M
Signed: Dewayne Timmons, welding supervisor Date 2407  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period 9/18/00 to 1/29/01 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Mathematical Commissions Michigan, State, Province, Endorsements
Date: Jan 29 18 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER  P.O. Box 60 Fort Wayne IN 46801			Date_Performed: 08-23-00 Unit# 1		
	Plant: D.C.Cook Nuclear Power Plant			Job Order <u># C0205328-02</u>		
	One Cook Place, Bridgman, MI 49106			Component#_1-SV-1B-1		
3.	Work Performed by: A	EP/D.C. COOK	Maintenance Department			
4.	Identification of Syste	m: <u>MAIN STRI</u>	EAM	· ·		
<u>5.</u> .	(a) Applicable Constru	ction Code: <u>ANS</u>	I B31.1, 1983 Ed. NO A	Add., Code Ca	se:	
•	(b) Applicable Edition	of Section XI Uti	ilized for Repairs or Replace	ments <u>: 1989, N</u>	o Addenda	
6.	Identification of Com	ponents Repaire	ed or Replaced and Replace	ment Compor	nents	
Name of	ASME,ASTM or	Name of	Material Identification:	37 1. *14		
Component	AISI designation:	Manufacture	M&E# ASP#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-1B-1	AISI designation:	Manufacture	M&E#	Year built	Or	Code Stamped
-	AISI designation:  ASME# SA-193 62 87	Manufacture  N/A	M&E# ASP#	N/A	Or	Code Stamped
1-SV-1B-1	ASME# SA-193		M&E# ASP# P.O.# M&E# 30-211680		Or Replaced	Code Stamped Yes/No

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The valve was repaired by installing new all thread .

Job Order/File: C0205328-02 ISI CLASS 2

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 12-11-00  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  \$\frac{30-30}{2-30-20}\$ to \$\frac{12-13-20}{2-30-20}\$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  **Mathematical Province**    Mathematical Province**   National Board, State, Province, Endorsements   Mathematical Province   Mathematical Provi

## FORM NIS -2 OWNERR'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

	LECTRIC POWE	<u>Perf</u>	ormed10-10-0	0	•
P.O. Box 60 Fort Wayne	IN 46801	Unit# 1			
. Plant: D.C.Coo	k Nuclear Power Pl	l <u>ant</u> J	ob Order <u>#_C0</u>	205329-02	
one Cook Place, Bridgn	nan, MI 49106	Componen	t <u># 1-SV-1B-2</u>		
Vork Performed by: <u>AE</u>	P/D.C. COOK Mai	ntenance Department			
dentification of System	: MAIN STI	EAM			
a) Applicable Construct	tion Code: <u>ANSI-B</u>	31.1-1983 Ed. NO Add.,	Code Case:N/	<u>'A</u>	
b) Applicable Edition o	f Section XI Utilize	d for Repairs or Replacemen	ts <u>: 1989, No A</u>	ddenda	
dentification of Con	iponents Repaire	ed or Replaced and Repla	icement Con	nponents	
ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
		1.0.			NO NO
ASME SA-193		M&E # 30-211680		REPLACED	NO
GR-B7		ASP # 20094			
	One Cook Place, Bridger  Work Performed by: AE  dentification of System  a) Applicable Construct  b) Applicable Edition of  dentification of Com  ASME, ASTM or  AISI designation:	One Cook Place, Bridgman, MI 49106  Work Performed by: AEP/D.C. COOK Maidentification of System: MAIN STIME AND Applicable Construction Code: ANSI-BED Applicable Edition of Section XI Utilized dentification of Components Repaired ASME, ASTM or AISI designation:  Name of Manufacture  ASME SA-193	One Cook Place, Bridgman, MI 49106  Work Performed by: AEP/D.C. COOK Maintenance Department  dentification of System:	One Cook Place, Bridgman, MI 49106  Work Performed by: AEP/D.C. COOK Maintenance Department  dentification of System: MAIN STEAM  a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Case: N/  b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addentification of Components Repaired or Replaced and Replacement Con  ASME, ASTM or AISI designation: Name of Material Identification: Year built  ASME SA-193  M&E # 30-211680	One Cook Place, Bridgman, MI 49106  Component# 1-SV-1B-2  Work Performed by: AEP/D.C. COOK Maintenance Department  dentification of System: MAIN STEAM  a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Case: N/A  b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda  dentification of Components Repaired or Replaced and Replacement Components  ASME, ASTM or AISI designation: Manufacture Manufacture Mae#  ASP#  P.O.#  ASME SA-193  M&E # 30-211680  REPLACED

valve to system upon return

Job Order/File: C0205329-02 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date 114
Signed: Dewayne Tynmons, welding supervisor Date /- 31-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.
have inspected the components described in this Owner's Report during the period  7-18-00 to 2-2-0; , and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any limit arising from an appropriate with this imposition.
kind arising from or connected with this inspection.    Military Commissions   Michols, End Nil     Inspector's Signature   National Board, State, Province, Endorsements
Date: F= 6 2 18 2001

### FORM NIS -2 OWNERR'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

f	ASME,ASTM or	Name of	Material Identification:	Year built	Repaired
6.	Identification of Com	ponents Repaire	d or Replaced and Repl	acement Con	ponents
	(b) Applicable Edition of	Section XI Utilized	for Repairs or Replacemen	nts <u>: 1989, No A</u>	<u>ddenda</u>
<u>5.</u>	(a) Applicable Constructi	on Code: <u>ANSI-B3</u>	1.1-1983 Ed. NO Add.,	Code Case:N/	<u>A</u>
	•				
4.	Identification of System:	MAIN STEAM, ST	EAM GEN. OME-3-2 SAI	FETY VALVE	1-B
3.	Work Performed by: AEI	P/D.C. COOK Main	tenance Department		
	One Cook Place, Bridgm	an, MI 49106	Componer	nt# 1-SV-1B-2	
	2. Plant: D.C.Cook	Nuclear Power Pla	<u>nt</u>	Job Order <u>#_C0</u>	205329-02
	P.O. Box 60 Fort Wayne	IN 46801	Unit# 1		
1.	Owner: AMERICAN EI	LECTRIC POWE	<u>R</u> Date_Peri	formed10-10-00	)
			_		

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-1B-2						NO
1-3/4"X 8 UNC ALLTHREAD	ASME SA-193 GR-B7		M&E # 30-211680 ASP # 20094		REPLACED	NO

7.	Hydrostatic_N/A_	Pneumatic	N/A Nominal Operating Pre	ssure N/A
	NDE: N/A	Pressure: psi	Test Temperature	F.

Description of work: Remove valve and prep for shipment to vendor for testing, reinstall valve to system upon return.

Job Order/File: C0205329-02 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Timmons, welding supervisor Date 2-2/-0/ Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  1-18-00 to 02-22-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  1-18-00 to 02-22-01  1-18
Date: Feb 22 19 2001
Date. FEB X2

6.

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

	·	
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 08-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0205333-02
	One Cook Place, Bridgman, MI 49106	Component#_1-SV-2A-1
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	<u>ment</u>
4.	Identification of System: MAIN STEAM	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-2A-1		800				
ALL THREAD	ASME# SA-193 GR-B7	N/A	M&E# 30-211680 ASP# 20094	N/A	REPLACED	NO
		·				

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:	
Pressure: psi	Test Te	mperat	ture F.		

Description of Work: The valve was removed sent off sight for testing ,and refurbishment. The valve was returned to sight where it was installed back in line with new studs.

Job Order/File: C0205333-02 ISI CLASS

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-9-01
Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-9-01  Owner or Owner's Designee, Title
Owner of Owner 3 Designee, Tree
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period op-27-00 to 01-12-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions Mi. 762 National Board, State, Province, Endorsements
Date: 12 15 2601

As Required by the Provisions of the ASME Code Section XI

367-563

Owner AMER	ICAN ELECTRIC		COMPANY	Date _	Februa	ry 01, 20	01	
P.O. Box	60 Fort Wayne	Name :, IN 46	5801	Sheet	1	of2		
2. Plant D.C.	Addro COOK NUCLEAR	POWER I	PLANT	Unit	#	1		
One Cook	Name One Cook Place, Bridgman, MI 49106  Address  C205335-02  Repair Org. P.O. No., Job No., etc							
) Warls Danfar	med by Install		erri ded		<del>-</del> .	ol Stamp N		
o. Work Perior	med by instar.		er Arces		_	No. N/A	/ A	
, <b>G</b>	!! 0	Name						
Same a	IS #Z	ess		Expira	tion Dat	e N/A	<del></del>	
	Addre	ess Moin Cto			7. C.W	E CODE CL	מפר ס	
. Identificat	ion of System	Main See	1 1 10	0253	ASP.	N/A		
(a) Applicab	le Const. Code	ANSI B3	1.1 19 -	83Ed.,	N/A Add	N/A	Code Case	
(b) Applicab	le Edition of Se	ection XI	Utilized	for Repairs	or Repla	acements 198	39	
5. Identificat	ion of Componen	ts Repaire	ed or Rep	laced and ke	pracement	Components		
				Other		Repaired Replaced	ASME Code	
Name of	Name of	Manuf.	Nat.	o chici		or	Stamped	
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes	
_		No.	No.	Fication	Built	ment	or No)	
1-SV-2A-3	M&E#	ASP#	N/A	SA 193	N/A	Replace-	N/A	
1-3/8 All	30-211680	20094	N/A	Grade B7	17.5	ment	W/A	
Thread Rod	30-211660	20054		Cruac Di				
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7. Descriptio from Testing	n of workRe	move Valve	e 1-SV-2A	A-3 and Reins	tall afte	er Valve was	s returned	
8. Test Conduc	ted: Hydrostat N/A 🗵	ic 🗌 Other 「	Pneumat Press	ic [] No sure N/A	-	erating Prest Temp. 1		
*	,	<u>_</u>				÷		
NOTE: Supplementa	al sheets in form o	f lists, ske	tches, or	drawings may be	used, prov	ided (1) size	is 8-1/2 in. x	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 1 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### FORM NIS-2 (Back)

Remarks	
*	Applicable Manufacturer's Data Reports to be attached
	Ref. JO: C205335-02 Design Change: N/A
	Repair/Replacement Plan: C205335-02 ISI Class: 2
	Repair/Repracement Fiant. 0200000 02 101 01000. 2
	CERTIFICATE OF COMPLIANCE
REPLACE	rtify that the statements made in the report are correct and this  MENT conforms to the rules of the ASME Code, Section XI.  r replacement
Type Cod	e Symbol StampN/A
Certific	ate of Authorization No. N/A Expiration Date N/A
	Davagre Jamo
Signed	Owner or Owner's Designee, Title
<del></del>	
	CERTIFICATE OF INSERVICE INSPECTION
And Press by FACT Have insp	dersigned, holding a valid commission issued by the National Board of Boiler ure Vessel Inspectors and the State or Province of Michigan and employed ORY MUTUAL INSURANCE Co. of Johnston, R.I. 02919  ected the components described in this Owner's Report during the period to 2-2-1, and state that to the best of my knowledge f, the Owner has performed examinations and taken corrective measures in this Owner's Report in accordance with the requirements of the ASME tion XI.
By sign Warranty, Described Employer	ing this certificate neither the Inspector nor his employer makes any expressed or implied, concerning the examinations and corrective measures in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or any kind arising from or connected with this inspection.
MA	Commissions Mich 0055, END NET tor's Signature National Board, State, Province, Endorsements

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER Date Performed: 10-02-00 P.O. Box 60 Fort Wayne IN 46801 Unit# 1 2. Job Order# C0205336-01 Plant: D.C.Cook Nuclear Power Plant Component# 1-CS-523-2 One Cook Place, Bridgman, MI 49106 3. Work Performed by: AEP/D.C. COOK Maintenance Department 4. Identification of System: REACTOR COOLANT PUMP SEAL WATER (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: <u>5.</u>

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CS-523-2	N/A	N/A	EXISTING	N/A	REPAIRED	NO
FILLER MAT.	ASME# SFA 5.9	N/A	M&E# 30-044987 ASP# 8426	N/A	REPAIRED	NO
			·			

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
		•	
Pressure: psi	Test Temperature	<u>F.</u>	

**Description of Work**: The valve was disassembled and inspected and they had to weld the stem and nut. Using new lock wire. The valve was then put back in line.

Job Order/File: C0205336-01 ISI CLASS

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed: Dewayne Transports Maint. Welding Supervisor Date 1-9-01
Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-9-01  Owner or Owner's Designee, Title
Owner of Owner 3 Beargnes, 11de
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period
9-20-00 to 01-12-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Afflake Commissions Mi. 762
Date: Jan 12 18 2001

6.

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: <u>AMERICAN ELECTRIC POWER</u>	Date_Performed:_09-28-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0205338-01</u>
	One Cook Place, Bridgman, MI 49106	Component <u>#_1-CS-523-4</u>
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	<u>nent</u>
4.	Identification of System: <u>REACTOR COOLANT PUMP S</u>	EAL WATER
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI B31.1</u> , 1983 Ed.	NO_Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

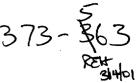
Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	·
1-CS-523-4	N/A	N/A	EXISTING	N/A	REPAIRED	NO
FILLER MAT.	ASME# SFA 5.9	N/A	M&E# 30-044987  ASP# 8426	N/A	REPAIRED	NO
	1,00					

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:
•			_	
Pressure: psi	Test Te	mpera	ture F.	

Description of Work: The valve was disasembled and all parts inspected and then reasembled using new gaskets. The valve was the put back in line and rewelded.QC did a VT exam.

Job Order/File: C0205338-01 ISI CLASS 3
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Owner or Owner 3 Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  7-20-00 to 01-16-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Mathematical Commissions    Mich 2055   End Not I   National Board, State, Province, Endorsements   Date: Jan 16   19 200
Date. Jan 16



As Required by the Provisions for the ASME Code Section:	х
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1.	Owner: AMERICAN I	ER Date_Perf	Date_Performed: 10-02-00				
	P.O. Box 60 Fort Wayn	e IN 46801	Unit# 1				
	2. Plant: <u>D.C.Coo</u>	ok Nuclear Power P	<u>lant</u> J	ob Order <u>#C02</u>	205339-02		
	One Cook Place, Bridge	<u>nan, MI 49106</u>	Componen	t <u>#_1-SV-2B-1</u>	- <u></u>		
3.	Work Performed by: Al	Work Performed by: AEP/D.C. COOK Maintenance Department					
4.	Identification of System	n: <u>MAIN STI</u>	EAM				
<u>5.</u>	(a) Applicable Construc	tion Code: <u>ANSI-B</u>	31.1-1983 Ed. NO Add.,	Code Case:N/	<u>A</u>		
	(b) Applicable Edition of	of Section XI Utilize	ed for Repairs or Replacemen	ts <u>: 1989, No A</u>	ddenda		
6.	Identification of Con	nponents Repair	ed or Replaced and Repla	acement Con	nponents		
Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No	
			M&E# ASP#	Year built	Or	Code	
Component			M&E# ASP#	Year built  . N/A	Or	Code Stamped Yes/No	
Component	AISI designation:	Manufacture	M&E# ASP# P.O.#		Or Replaced	Code Stamped Yes/No NO	
Component I-SV-2B-1 ALLTHREAD	AISI designation:  ASME SA-193	Manufacture	M&E# ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO	
Component I-SV-2B-1 ALLTHREAD	AISI designation:  ASME SA-193	Manufacture	M&E# ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO	
Component I-SV-2B-1 ALLTHREAD	AISI designation:  ASME SA-193	Manufacture	M&E# ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO	
Component I-SV-2B-1 ALLTHREAD	AISI designation:  ASME SA-193	Manufacture	M&E# ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO	
Component I-SV-2B-1 ALLTHREAD	AISI designation:  ASME SA-193	Manufacture	M&E# ASP# P.O.# M&E # 30-211680		Or Replaced	Code Stamped Yes/No NO	

Description of work: Remove valve in system and prep for shipment to vendor, reinstall

Job Order/File: c0205339-02 ISI Class 2

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.						
Type Code Symbol Stamp						
Certificate of Authorization No. NA Expiration Date NA						
Signed: Dewayne/Timmons, welding supervisor Date /-3/-0/						
Owner or Owner's Designee, Title						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period 8-26-00 to 2-2-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described						
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures						
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any						
kind arising from or connected with this inspection.  MA Mutanamed Commissions Met 100.55 End NET						
Inspector's Signature Commissions Mich 0055, ENDN & T  National Board, State, Province, Endorsements						
16 2001						

As Required by the Provisions for the ASME Code Section XI

1. Owner: <u>AMERICAN ELECTRIC POWER</u>

Date_Performed:10-10-00

P.O. Box 60 Fort Wayne IN 46801

Unit#1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order#C0205360-05_

One Cook Place, Bridgman, MI 49106

Component#_1-CS-445-4

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>REACTOR COOLANT PUMP SEALWATER INJ. LEAKOFF</u>
- 5. (a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u> NO Add., Code Case: <u>N416-1</u>
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CS-445-4					REPLACED	NO
2" CHK VALVE	ASME SA-182	CONVAL	M&E # 30-035085		REPLACED	NO
1500LB 316 S.S.	GR F-316		ASP # 19434			
PIPE 2" SCH. 160	ASME SA-376	N/A	M&E # 30-019310		REPLACED	NO
S. S. SEAMLESS	GR TP-304		ASP # 14295		,	
2" 1-1/2" 600LB	ASME SA-182	N/A	M&E # 30-017285		REPLACED	NO
INSERT REDUCER	GR F-304		ASP # 17167			
2" ELBOW 600LB	ASME SA-182	N/A	M&E # 30-019625		REPLACED	NO
45 DEGREE	GR F-304		ASP # 1127			
FILLER WIRE	ER-308 SFA-5.9	N/A	M&E # 30-044990		REPLACED	NO
1/8 TH BARE			ASP # 22732			

7.	Hydrostatic N/A	Pneumatic	N/A Nominal Operating Pressure	VT-2 ^
	-			
	NDE: VT/PT	Pressure: psi	N/A Test Temperature	_F.

Description of work: Remove old valve from system install new by welding. Perform VT-2

Job Order/File: C0205360-05 ISI Class 3
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date M
Signed: Dewayne Timmons, welding supervisor Date 2/5-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period to 2-15-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  MALLIAMARIAN Commissions  Note 2055 End Off National Board, State, Province, Endorsements
Date: Feb 15 2001

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

Date Performed: 08-16-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: <u>D.C.Cook Nuclear Power Plant</u>

Job Order# C0205363-05

One Cook Place, Bridgman, MI 49106

Component#_1-CTS-106

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>CONTAINMENT SPRAY</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
FEMALE DISC	ASME# SA-479  TP 316  W/STELLITE #6  HF	N/A	M&E# 30-033697 ASP# 3524	N/A	REPLACED	NO
MALE DISC	ASME# SA -479 TP 316 W/STELLITE #6 HF	N/A	M&E3 30-033696 ASP# 3524	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure	N/A NDE: PT
•			
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The new discs were installed. QC did a PT on the machined discs.

Job Order/File: C0205363-05 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp 1/A
Certificate of Authorization No. NA Expiration Date NA
Signed Dewayne Timmons Maint. Welding Supervisor Date 2-12-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Commissions  Michael Report  National Board, State, Province, Endorsements
Date: 13 18 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-09-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0205381-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-SI-110S
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: <u>SAFETY INJECTION</u>	
5	"(a) Applicable Construction Code: ANSI B31.1. 1983 Ed.	NO Add., Code Case:

Identification of Components Repaired or Replaced and Replacement Components 6.

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SI-110S						
ALL THREAD	ASME: SA-453 GR 660	N/A	M&E# 30-212300	N/A	REPLACED	NO
NUT	ASME: SA-194 GR 8F	N/A	M&E# 30-212110	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nomial Operating Pressure:	NDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The valve was disassembled and inspected by QC, the valve was then reassembled. New studs and nuts were installed.

Job Order/File: C0205381-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  [Wayne Common No. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Signed Dewayne Timmons Maint. Welding Supervisor Date 1-02-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure assel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  MAR Mattagainer Commissions  Inspector's Signature Commissions  National Board, State, Province, Endorsements
Date: 500 03 20 01

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date_Performed: 10-03-00 1. Owner: AMERICAN ELECTRIC POWER Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0205388-01 2. Plant: D.C.Cook Nuclear Power Plant Component# 1-CCW-142 One Cook Place, Bridgman, MI 49106 3. Work Performed by: AEP/D.C. COOK Maintenance Department 4. Identification of System: COMPONENT COOLING WATER (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda Identification of Components Repaired or Replaced and Replacement Components 6.

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CCW-142						
VALVE	ASTM# A-126	CENTERLINE	M&E# 30-034576	N/A	REPLACED	NO
	GR-B		ASP# 21849			
ROD	ASME# SA-193	N/A	M&E# 30-211610	N/A	REPLACED	NO
	GR-B7		ASP# 21390			
NUTS	ASME# SA-194	N/A	M&E# 30-211880	N/A	REPLACED	NO
	GR-2H HEAVY		ASP# 23015			-

7. Hydrostatic NA	Pneumatic	NA	Nomial	Operating [	Pressure	VT-2	NDE:	
Pressure: psi	Test Te	mperat	ure F.					

**Description of Work**: The old valve was removed and the new one was installed with new rod and nuts. A VT-2 exam was performed.

Job Order/File: C0205388-01 ISI CLASS

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
- Type Code Symbol Stamp	
Certificate of Authorization No. <u>NA</u> Expiration Date <u>NA</u>	
Signed: Dewayne Timmons Maint. Welding Supervisor Date 12-500  Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  to :2-11-00 , and state that to the best of my knowledge and	
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.	
Inspector's Signature Commissions Mational Board, State, Province, Endorsements	
Date: 0 = 1 18 2000	

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_11-13-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0205594-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-GRC-S564
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: PIPING SUPPORT	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S564						
3" Pipe Clamp	SA-36	ANVIL	TEMP# OO-025319 ASP# 24988	N/A	REPLACED	NO

7. Hydrostatic NA Pneumatic NA Nominal Operating Pressure N/A NDE:	<u>/T-3</u>
Pressure: psi Test Temperature F.	

**Description of Work**: The old clamp was removed and the new one installed. A VT-3 exam was performed.

Job Order/File: C0205594-01 ISI CLASS I
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date Z-20-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period  10-27-00 to 02-20-01, and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
Inspector's Signature Commissions Mich 2055, EDS NET National Board, State, Province, Endorsements
Inspector's Signature National Board, State, Province, Endorsements
Date: Feb 20 19 2001

6.

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI .

Date Performed: 11-07-00 Owner: AMERICAN ELECTRIC POWER 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0205596-01 2. Plant: D.C.Cook Nuclear Power Plant Component# 1-GRC-S562 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. Identification of System: Reactor Coolant 4. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S562	,					
3" CLAMP	SA-36	N/A	TEMP# 00.025319  ASP# 24988  PO# 13194	N/A	REPLACED	NO
		,	·			

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nominal Operating Pressure	N/A	NDE: N/A
Pressure: psi	Test Temperature	<u>F.</u>		

Description of Work: The old clamp was replaced with a new one. A VT-3 test was performed.

Job Order/File: C0205596-01 ISI CLASS 1	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp <i>MA</i>	
Certificate of Authorization No. NA Expiration Date NA  Signed. Dewayne Timmons Maint. Welding Supervisor Date 2-15-01	
Signed. Dewayne Timmons Maint. Welding Supervisor Date 2-18-01 Owner or Owner's Designee, Title	
CHECKING A THE OF INCHENVIOLE INCHESTION	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.	
have inspected the components described in this Owner's Report during the period	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.	
Inspector's Signature Commissions Mich 0055, End N&I  National Board, State, Province, Endorsements	
Date: F= 6 15 18 2001	

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_8-24-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205659-01
	One Cook Place, Bridgman, MI 49106	Component# 1-CCM-452
3.	Work Performed by: AEP/D.C. COOK Maintenance D	<u>Department</u>
4.	Identification of System: COMPONENT COOLING	WATER
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983	Ed. NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repa	irs or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Rep	laced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CCM-452						
3 /4 BOLT	ASME SA193	NA	M&E 30-211345	NA	REPLACED	NO
	GR B7		ASP15684			
VALVE	BODY- SA516	PRATT	M&E 30-042965 ·	NA	REPLACED	NO
	GR 70		ASP 18972			

7.	Hydrostatic_NA		Pneumatic	N/A Nominal Operating Pressure			
	NDE:	VT-2	Pressure: psi	Test Temperature	F.		

Description of work: INSTALLED NEW VALVE AND BOLTING. Performed VT-2

Job Order/File: C0205659-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Tipmons, welding supervisor Date /- 30-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  3-15-00 to 1-31-1, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Mathematical Commissions Mich 0055, 600 NET National Board, State, Province, Endorsements  Date: Jan 31 Mathematical Province, Endorsements

As Required by the Provisions of the ASME Code Section XI

389-563

. Owner AMER						24, 2001			
P.O. Box	Name P.O. Box 60 Fort Wayne, IN 46801					of 2			
2. Plant D.C.	Address Plant D.C. COOK NUCLEAR POWER PLANT					Unit # 1			
One Cook	Nam Place, Bridgm		19106		205796-0				
	Addre			Repair	Org. P.C	O. No., Job	No., etc		
. Work Perfor	med by Instal	lation S	ervices	Type C	ode Symb	ol Stamp N	1/A		
		Name		Author	ization 1	No. $N/A$			
Same a	as #2	MA	13/13/01	Expira	tion Dat	e N/A			
. Identificat	Addre ion of System	ess <b>Rx</b> y	-3113101		ASN	ME CODE CI	ASS 2		
	le Const. Code					N416-1 C	ode Case		
(b) Applicab	le Edition of S	ection XI	Utilized	for Repairs	or Repla	acements 19			
. Identificat	ion of Component	ts Repaire	ed or Ren	laced and Re	placement	t Components	<del></del> 3		
Name of Component	Name of	Manuf.	Nat.	Other	Year	Repaired Replaced or	ASME Code Stamped		
Component	Manufacturer	Serial No.	Board No.	Identi- Fication	Built	Replace- ment	(Yes or No)		
1-FW-261 3" 900# Globe Valve	Temp M&E# 00-017286	ASP# 23280	N/A	SA 105	N/A	Replace- ment	No		
3" Sch 80 Pipe	M&E# 30-014983	ASP# 18219	N/A	SA 106 Grade B	N/A	Replace- ment	No		
3" 90 Deg !lbow Sch 80	M&E# 30-016177	ASP# 22282	N/A	SA 234 Grade WPB	N/A	Replace- ment	No		
LR BW									
. Descriptio	n of work _ Ins	tall Manua	al Operat	ced Valve 1-F	W-261 in	accordance	with 1-DCP		
3. Test Conduc	ted: Hydrostat	ic 🗌 Other 🔲	Pneumat Press	<del>-</del> .	_	perating Prest st Temp. N			
in., (2) informatio	al sheets in form of on in items 1 throug sheets is recorded a	h 6 on this	report is	included on eac	used, prov h sheet, a	ided (1) size nd (3) each sh	is 8-1/2 in. eet is number		

### FORM NIS-2 (Back)

-3. Remarks VT at Fit Up and Final Plus MT/PT and RT VT-2
Applicable Manufacturer's Data Reports to be attached
Ref. JO: C205796-01 Design Change: 1-DCP-425
Repair/Replacement Plan: C205796-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this  REPLACEMENT conforms to the rules of the ASME Code, Section XI.  Repair or replacement
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A
Allegape Jamos
Signed Dewlays Trumos Marit Supv. welding Date 2-3-, 20 01 Owner or Owner's Designee, Title
Owner of Owner's Designee, little
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler And Pressure Vessel Inspectors and the State or Province of Michigan and employed by FACTORY MUTUAL INSURANCE Co. of Johnston, R.I. 02919
Have inspected the components described in this Owner's Report during the period $2 - 3 - 00$ to $2 - 5 - 01$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any Warranty, expressed or implied, concerning the examinations and corrective measures
Described in this Owner's Report. Furthermore, neither the Inspector nor his Employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
MK Maturgard Commissions Mich 2055, END NET  Inspector's Signature National Board, State, Province, Endorsements
Inspector's Signature National Board, State, Province, Endorsements
Date <u>Feb 5</u> 20 01

As Required by the Provisions of the ASME Code Section XI

391-563

. Owner AMER	ICAN ELECTRIC	POWER	COMPANY	Date	January	24, 2001	
P.O. Box	60 Fort Wayne	e, IN 46	5801	Sheet	1	of 2	
<del></del>	Addr	ess	***	<del></del>			
Plant D.C.	COOK NUCLEAR	R POWER I	PLANT	Unit _	# 1		
On a G = 1-	Nai			~			
one cook	Place, Bridgm		19106		205801-0		
	Addre				-	No., Job	•
Work Perfor	rmed by <u>Instal</u>	lation S	ervices		_	ol Stamp <u>l</u>	I/A
		Name		Author	ization 1	No. $N/A$	
Same a	as #2			Expira	tion Dat	e N/A	
	Addre						
Identificat	ion of System	Auxilia	ry Feed	lwater	ASM	ME CODE CL	ASS 2
	le Const. Code						
	le Edition of Se						
Identificat	ion of Component	ts Repaire	ed or Rep	laced and Re	placement	Component	3
-						Repaired	ASME
17 E				Other		Replaced	Code
Name of	Name of	Manuf.	Nat.			or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
-FW-262	Temp M&E#	ASP#	N/A	SA 105	N/A	Replace-	No
" 900#	00-017286	23280				ment	
lobe Valve							
						<del></del>	
							<del></del>
· · · · · · · · · · · · · · · · · · ·							<del> </del>
			<del></del>	-			
	<b>.</b>	3.3				_	
Descriptio 5	n of work <u>Inst</u>	all Manua	1 Operat	ed valve 1-F	N-262 in	accordance	with 1-DCI
5		<del>~</del>		<del> </del>			
					<del>.</del>		
Test Conduc	ted: Hydrostat:	ic 🗌	Pneumat	ic 🗌 No	minal Op	erating Pre	ssure 🗵
	N/A 🗌	Other [	Pressu	are N/A	psi Tes	st Temp. N	/A °F
	_			<del></del>	-	*	
TE: Supplementa	al sheets in form of	lists, sket	ches, or d	rawings may be	used, provi	ded (1) size	is 8-1/2 in.
(2) informatio	n in items 1 throug	h 6 on this	report is	included on each	ı sheet. an	d (3) each she	et is number

and the number of sheets is recorded at the top of this form.

### FORM NIS-2 (Back)

. Remarks			p and Final Manufacturer's			VT-2	
		-	205801-01	_	Design Cha		CP-425
	<del></del>		acement Plar	1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		11/1001					
			CERTIFICAT	E OF COMPLIAN	CE		
REPLACE	ertify the MENT or replace	cc	atements made onforms to the	in the repor rules of the	are correct ASME Code,	et and thi Section X	s I.
Type Cod	le Symbol	Stamp	N/A				<del></del>
		, ,	ion NoN	/A Ex	piration Dat	te <u>N/</u>	Α
	Murayne	Som		wha			
Signed	DEWAYNE	/mmons	Mary Super Designee, Tit	Date _	1-30-	, 20_01	<del></del>
			- Debignee, 110				
		C	ERTIFICATE OF	INSERVICE INS	PECTION		
And Press by FACT Have insp  3-3-4 and belie	sure Vess FORY MUTU Dected th Document Dected th D	el Inspect AL INSURA e compone to // wner has Owner's	ng a valid commeters and the same same same same same same same sam	State or Prov of Joh in this Owne , and state ninations and	ince of Minston, R.I.  r's Report of that to the taken corre	ichigan 02919 during the best of m ective mea	period y knowledge sures
By sigr Warranty, Described Employer	ning this express d in this shall be	certificed or important of the commer's liable in the commercial liable in the c	cate neither the plied, concern Report. Furth in any manner : g from or conne	ing the exami nermore, neit for any perso	nations and her the Insp nal injury o	correctiv pector nor or propert	e measures his
MA Inspec	Mules ctor's Si	zazawał ghatufe	Commissions	s <u>Mech 005</u> National Boa	5 ENDN rd, State, 1	ز <u>ا</u> Province,	Endorsements
Date To	1N 31	2	20_01				

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:10-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: D.C.Cook Nuclear Power Plant	Job Order#_C0205802-01
	One Cook Place, Bridgman, MI 49106	Component# 1-FW-263
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	<u>ment</u>
4.	Identification of System: AUXILLARY FEEDWAT	TER
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO Add., Code Case: N-416
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	l and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-FW-263						NO
GLOBE VALVE 3" 900 LB BW,C.S.	SA 105	N/A	TEMP. M&E # 00-017286  ASP # 23280  P.O. # 5176	N/A	REPLACED	NO

7. Hydrostatic N/A Pneumatic N/A Nominal Operating Pressure VT-2

NDE: VT-FITUP/FINAL-FINAL MT,PT,RT Press,psi -n/Test/TempN/A

Description of work: Install new Isolation valve 1-FW-263 per 1-DCP-425

Job Order/File: C0205802-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Fimmons, welding supervisor  Owner or Owner's Designee, Title
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period

As Required by the Provisions of the ASME Code Section XI

395-563

. Owner AMER	CICAN ELECTRIC		COMPANY	Date _	Janua	ary 18, 20	01
P.O Box	Name		6801	Choo+	1	of 2	
1.0. DOX	Addr			Sheet		_01	
2. Plant D.C.	COOK NÚCLEAF		PLANT	Unit	# 1	1	
	Na				11 -		
One Cook	Place, Bridgm	nan, MI	49106	C205	5878-01		
Address Repair Org. P.O. No., Job No., etc							ob No., etc
. Work Perfor	rmed by Instal	lation S	ervices	Type C	ode Symb	ol Stamp 1	J/A
		Name		Author	ization :	No. $N/A$	
Same a				Expira	ation Dat	e N/A	
	Addr						
	ion of System C					ME CODE CI	ASS 2
	le Const. Code						Code Case
(b) Applicab	le Edition of S	ection XI	Utilized	l for Repairs	or Repla	acements 19	89
. Identificat	ion of Componen	ts Repaire	ed or Rep	laced and Re	placemen		
				Other		Repaired	ASME
Name of	Name of	Manuf.	Nat.	0011011		Replaced or	Code Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-ACTS-R4000	M&E#	ASP#	N/A	A36 1990	N/A	Replace-	No
$2 \times 2 \times 1/4$	30-153012	21657				ment	
Angle							
1/2 x 3	M&E#	ASP#	N/A	Grinnell	N/A	Replace-	No
U-Bolt 3/8" x	30-024116	16149		Fig 137N	,	ment	
3/8" X ½-1/4 Hilti	M&E#	ASP#	N/A	HKBII	N/A	Replace- ment	No
Bolt	30-046263	23726		38-414		ment	
						<u> </u>	<del></del>
							<del>                                     </del>
<del></del>	<u> </u>		L	J		·	<u> </u>
Descriptio	n of workMod	lify Suppo	ort 1-ACT	S-R-4000 in	accordanc	ce with 1-DO	CP-163. No
elding perform	ed						
. Test Conduc	had made to the		<b>D</b>				
. Test Conduc	ted: Hydrostat:	<del>_</del>				erating Pre	
	N/A 🗵	Other [	Press	ure <u>N/A</u>	psi Te	st Temp. N	J/A °F
OTE: Cumplane	al abooka in face of	: 14mm1 -1	hahan - · ·	1			1 - 0 1 /- 1
ים בים. supprementa	al sheets in form of on in items 1 through	. ilsts, sket h 6 on thic	report is	irawings may be	usea, provi	ided (1) size :	15 8-1/2 in. x

and the number of sheets is recorded at the top of this form.

### FORM NIS-2 (Back)

. Remarks		
	Applicable Manufacturer's Da	ta Reports to be attached
	Ref. JO: C205878-01	Design Change: 1-DCP-163
	Repair/Replacement Plan	: C205878-01
- <del>1</del>		,
	CERTIFICATE (	OF COMPLIANCE
REPLACE	rtify that the statements made in MENT conforms to the rur replacement	the report are correct and this les of the ASME Code, Section XI.
Type Cod	e Symbol Stamp N/A	
Certific	ate of Authorization No. N/A	Expiration Date N/A
	Sellapre Jamme	Date /-23-01 , 20 01
Signed	CUMUNE /MANDUS - MAINT SUPV. Owner or Owner's Designee, Title	
<del></del>		
	· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE OF INS	SERVICE INSPECTION
And Press by FACT Have insp /o-/c- and belie	ure Vessel Inspectors and the Sta ORY MUTUAL INSURANCE Co. o ected the components described in oc to i-26-01, f, the Owner has performed examin in this Owner's Report in accord	
By sign Warranty, Described Employer	ing this certificate neither the expressed or implied, concerning in this Owner's Report. Further	Inspector nor his employer makes any the examinations and corrective measures more, neither the Inspector nor his any personal injury or property damage or ed with this inspection.
MX/ Inspec	Commissions tor's Signature Na	Mich 0055, GND NIT tional Board, State, Province, Endorsements
Date Ja	.o ZC 20 01	

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:01-18-01
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u>#_C205878-04</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-ACTS-R-4007
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	nent
4.	Identification of System: CONTAIMENT SPRAY SYSTEM	I
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 ED</u>	NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ACTS-R-4000					REPLACE	NO
SWAY STRUT	GRINNELL FIG 211N	GRINNELL	TEMP M&E # 00-023641  ASP # 24715	N/A	REPLACE	NO
10"X 10" X1/2"  BASE PLATE	ASTM A-36-93-A CARBON STEEL	N/A	M&E # 30-153188 ASP # 22542	N/A	REPLACE	NO
½" X 7" HILTI BLT.	НКВІІ 12-7	HILTI	M&E # 30-046271 ASP # 22890	N/A	REPLACE	NO
½" X 5-1/2" HILTI	НКВИ 12-512	HILTI	M&E # 30-046270 ASP # 22889	N/A	REPLACE	NO
2" PIPE SCH 40	SA-105 GR-B	N/A	M&E # 30-014961 ASP # 20116	N/A	REPLACE	NO

7.	Hydrostatic N/A	Pneumatic	N/A Nominal Operating Pressure	N/A
	NDE: VT,MT	Pressure: ps	Test Temperature N/A	F.
	Description of work:	Modify sup	oort 1-ACTS-R-4007 IAW 1-DCF	P-163, a VT-3 was
	performed.			

Job Order/File: C205878-04 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons, welding supervisor Date 2-28-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period

As Required by the Provisions of the ASME Code Section XI

399-563

P.O. Box 60 Fort Wayne, IN 46801	l. Owner <u>AME</u>	RICAN ELECTRIC	POWER (	COMPANY	Date _	Janua	ry 18, 20	001
Address One Cook Place, Bridgman, MI 49106 Address  Name One Cook Place, Bridgman, MI 49106 Address  Name  Same as #2  Address  A	,					_	_	
Plant   D.C.   COOK NUCLEAR POWER PLANT   Name	P.O. Box			5801	Sheet	1	of2	
Name One Cook Place, Bridgman, MI 49106 Address Address  Name  Name  Name  Authorization No. N/A  Same as #2  Address  Address  Identification of System Spent Fuel Pit Cooling Applicable Const. Code ANSI B31.1 19 83Ed., N/A Add. N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  Identification of Components Repaired or Replaced and Replacement Components  Name of Component  Name of Manufacturer  No. No. Fication  1-GSF-R-17 2 x 2 x 1/4 30-153012 2 1882  Angle 3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# ASP# N/A A36 1990 N/A Replace- No ment  No ME# N/A A36 1990 N/A Replace- No ment  No ME# N/A A36 1990 N/A Replace- No ment  No ME# N/A A36 1990 N/A Replace- No ment  No ME# N/A A36 1990 N/A Replace- No ment  No ME# N/A A36 1990 N/A Replace- No ment  No Modify Support 1-GSF-R-17 in accordance with 1-DCP-163	D C			חד א אותו		ш 1		
One Cook Place, Bridgman, MI 49106 Address  Name  Name  Same as #2  Address  Identification of System Spent Fuel Pit Cooling  Solution of Components Repaired or Replaced and Replacement Components  Name of Component  Name of Manufacturer Serial Board No. No. No. Fication Built ment or No.  1-GSF-R-17 2 x 2 x 1/4 30-153012 21892 Angle 3/8 x 3 M&E# ASP# N/A A36 1990 ASP No. No. Filat Bar 30-153142 21834  Repair Org. P.O. No., Job No., etc Type Code Symbol Stamp N/A Authorization No. N/A  Expiration Date N/A  Authorization No. N/A  Authorization No. N/A  Expiration Date Of Code Case  N/A  Authorization No. N/A  Authorization No. N/A  Authorization No. N/A  Expiration Date Of Code Case  N/A  Authorization No. N/A  Authorization No. N/A  Code Case  Other Replacement Components  Repaired Code Case  Other Replacement Components  No. No. No. Fication Built ment or No.  1-GSF-R-17 M&E# ASP# N/A A36 1990 N/A Replace-No ment  No. No. MAE# No. M	2. Plant D.C			STIMNI	Unit _	# 1		
Address	One Cook	=:-::		19106	C201	5879-04		
Work Performed by Installation Services   Name   Name   Authorization No.   N/A	One cook			17100	Repair		No., Job	No., etc
Name as #2   Authorization No.   N/A	3. Work Perfo			ervices		_		
Address Address Spent Fuel Pit Cooling ASME CODE CLASS 3  S. (a) Applicable Const. Code ANSI B31.1 19 83Ed., N/A Add. N/A Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  S. Identification of Components Repaired or Replaced and Replacement Components  Name of Name of Manuf. Nat. Serial Board No. No. No. Fication Built Replaced (Code or No. No. No. Fication Built Replaced (Yes ment or No.)  1-GSF-R-17 M&E# ASP# N/A A36 1990 N/A Replace- No ment  Angle 3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment  7. Description of work Modify Support 1-GSF-R-17 in accordance with 1-DCP-163						_		······································
Address  Identification of System Spent Fuel Pit Cooling  ASME CODE CLASS 3 3 4 5 5 6 6 6 6 6 6 6 6 7 6 6 6 6 7 6 6 6 6	Same	as #2						
As Identification of System Spent Fuel Pit Cooling ASME CODE CLASS 3 3 4 5 6 (a) Applicable Const. Code ANSI B31.1 19 83Ed., N/A Add. N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989    5. Identification of Components Repaired or Replaced and Replacement Components    Name of Name of Manuf. Nat. Serial Board No. No. Fication Built ment or No)    1-GSF-R-17 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    1-GSF-R-153142 21834 N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- No ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment    3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- NO Ment		Addr	ess					PH 3/13/01
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  Identification of Components Repaired or Replaced and Replacement Components    Name of	. Identifica	tion of System S	pent Fue	el Pit (	Cooling	ASM	ME CODE CI	LASS 23
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  5. Identification of Components Repaired or Replaced and Replacement Components    Name of	. (a) Applica	ble Const. Code	ANSI B3	1.1 19	83Ed.,	N/A Add	ı. N/A	Code Case
Name of Component Name of Manuf. Serial Board Identi- Year Replaced (Yes ment Or No.)  1-GSF-R-17 M&E# ASP# N/A A36 1990 N/A Replace- Ment ASME Replaced (Yes ment Or No.)  3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace- Ment No.  Flat Bar 30-153142 21834 N/A A36 1990 N/A Replace- Ment No.  Description of work Modify Support 1-GSF-R-17 in accordance with 1-DCP-163	(b) Applica	ble Edition of S	ection XI	Utilized	d for Repairs	or Repla	acements 19	<u>8</u> 9
Name of Component	. Identifica	tion of Componen	ts Repaire	ed or Rep	placed and Re	placement	t Component	s
Name of Component  Name of Manufacturer  No. Nat.  Serial No. Fication  No. Fication  No. Fication  No. Fication  No. Fication  No. Fication  No. No. Fication  No. No. Fication  No. No. Replace-  ment  No.					Othor			
Component Manufacturer Serial No. No. No. Fication Built Replacement or No)  1-GSF-R-17 M&E# ASP# N/A A36 1990 N/A Replacement No. Mo. Material No.	Name of	Name of	Manuf	No. to	Other		_	
No. No. Fication   Built   ment   or No)    -GSF-R-17	Component		1		Identi-	Year		
2 x 2 x 1/4 30-153012 21892			No.	No.	Fication	Built		
2 x 2 x 1/4	1-GSF-R-17	M&E#	ASP#	N/A	A36 1990	N/A	Replace-	No
3/8 x 3 M&E# ASP# N/A A36 1990 N/A Replace-NO ment  Flat Bar 30-153142 21834	$2 \times 2 \times 1/4$	* **	21892	,			ment	
Flat Bar 30-153142 21834 ment ment ment ment ment ment ment ment								
7. Description of work Modify Support 1-GSF-R-17 in accordance with 1-DCP-163  3. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure		**		N/A	A36 1990	N/A	1 ~	No
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure	Flat Bar	30-153142	21834				ment	
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure								
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure	, <del> </del>							
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure								
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure						ļ	ļ	
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure	· · · · · · · · · · · · · · · · · · ·							-
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure						<u> </u>		
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure	·		<u> </u>	<u> </u>	<u> </u>	<u> </u>		1
3. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure	Descripti	on of work Mo	dify Supp	ort 1-691	F-R-17 in acc	ordance v	with 1-DCP-	163
	. Describit	OT OT MOTY	arry buppe	OLC 1 001	. 10 17 111 000			
N/A $oxed{oxtime}$ Other $oxtime$ Pressure $oxtime{oxtime}$ Psi Test Temp. $oxtime{ox}$ N/A $oxtime{ox}$ F	3. Test Condu	cted: Hydrostat	ic 🗌	Pneumat	ic N	ominal Op	erating Pro	essure 🗌
		n/a ⊠	Other [	] Press	sure N/A	psi Te	st Temp.	N/A °F
$\cdot$		·	_	=				

in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

Final Vt and Final MT/ Applicable Manufacturer's Data Reports to be attached Design Change: 1-DCP-163 Ref. JO: C205879-04 Repair/Replacement Plan: C205879-04 ISI Class: 3 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI. REPLACEMENT Repair or replacement Type Code Symbol Stamp N/A N/A Expiration Date N/A Certificate of Authorization No. Date /-23-01 , 20 01 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler And Pressure Vessel Inspectors and the State or Province of Michigan and employed by FACTORY MUTUAL INSURANCE Co. of Johnston, R.I. 02919 Have inspected the components described in this Owner's Report during the period to 1-24-01 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any Warranty, expressed or implied, concerning the examinations and corrective measures Described in this Owner's Report. Furthermore, neither the Inspector nor his Employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. thropaugh Commissions Michooss, ENDNIT National Board, State, Province, Endorsements Date Jan 24 20 01

As Required by the Provisions of the ASME Code Section XI

401-563

1.	Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	Janua	ry 18, 20	01
J.	P.O. Box	Name 60 Fort Wayne	. TN 46	801	Sheet	1	of 2	
		Addre			_		×	
2.	Plant D.C.	COOK NUCLEAR		LANT	Unit _	# 1		
		Nan	ne					
	One Cook	Place, Bridgm		19106		879-06		
		Addre			<del></del>	_	No., Job	_
3.	Work Perfor	med by <u>Install</u>	ation Se	ervices	Type C	ode Symbo	ol Stamp <u> </u>	I/A
			Name		Author	ization N	10. N/A	
	Same a	ıs #2			Expira	tion Dat		
		Addre					REST 31	301 MEM 3/13/01
4.	Identificat:	ion of System S	pent Fue	l Pit (	Cooling	ASM	IE CODE CÎ	ASS' & 3
5. (	a) Applicab	le Const. Code	ANSI B3:	1.1 19	83Ed., 1	N/A Add	. N/A	Code Case
(	b) Applicab	le Edition of Se	ction XI	Utilized	for Repairs	or Repla	acements 19	<del>-</del> 89
		ion of Component						
					0.13		Repaired	ASME
Ι.	Jame of	Name of	Manuf.		Other		Replaced	Code
	mponent	Name of Manufacturer	Manur. Serial	Nat. Board	Identi-	Year	or	Stamped
	p caacaa	Manuracturer	No.	No.	Fication	Built	Replace-	(Yes or No)
1	IGE D OF	MCTI#	ASP#	NO.	A36 1990	N/A	ment Replace-	No No
	SF-R-27 3 x 3/8	M&E# 30-153032	ASP# 18722	N/A	A36 1990	N/A	ment	NO
Ang		30-153032	10/22				mene	
- A119	,10							
<b>'</b> —						·		
								<del> </del>
<u> </u>								
<b>-</b>								<u> </u>
Ĺ						l		
7.	Description	n of work Moo	lify Suppo	ort 1-GSF	'-R-27 in acc	ordance v	vith 1-DCP-	163
8.	Test Conduct	ted: Hydrostati	Lc 🔲	Pneumat	ic No	ominal Op	erating Pre	ssure [
		n/a ⊠	Other [	Press	ure <u>N/A</u>	psi Te	st Temp. 1	N/A °F
NOTE		al sheets in form of						

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 13 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

#### FORM NIS-2 (Back)

. Remarks	Final VT and F	
	Applicable Manufacturer's Data	Reports to be attached
	Ref. JO: C205879-06	Design Change: 1-DCP-163
		G0050G0 06 TGT G1077 2
	Repair/Replacement Plan: 0	C205879-06 ISI Class: 3
		·
	CERTIFICATE OF	COMPLIANCE
REPLACE	ertify that the statements made in to the rule or replacement	the report are correct and this es of the ASME Code, Section XI.
Type Cod	le Symbol StampN/A	
Certific	cate of Authorization No. N/A	
	Swape Samm	
Cianed	DEWAYNE TIMMONS	Date /- 23-0/ , 20_01
Signed _	Owner or Owner's Designee, Title	
	CERTIFICATE OF INSE	RVICE INSPECTION
And Press by FACT Have insp	sure Vessel Inspectors and the State FORY MUTUAL INSURANCE Co. of Dected the components described in to O to O1-24-0: , ar ef, the Owner has performed examinated in this Owner's Report in accordance.	this Owner's Report during the period and state that to the best of my knowledge
By sigr Warranty, Described Employer	ning this certificate neither the Ir , expressed or implied, concerning t d in this Owner's Report. Furthermo	the examinations and corrective measures ore, neither the Inspector nor his any personal injury or property damage or
Inspec	Mutuspaus Commissions nation's Signature National National Nations	Nich 0055, ENDNET ional Board, State, Province, Endorsements
Date Ja	20 01 20 01	

As Required by the Provisions of the ASME Code Section XI

403-563

	Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	Janua	ry 18, 20	01
		Name	TNT 4.0	-0.01	Ch h	1		
	P.O. Box	60 Fort Wayne Addre	, IN 40	801	Sneet		012	
2.	Plant D.C.	COOK NUCLEAR		PLANT	Unit	# 1		
_ ,		Nar	ne					
	One Cook	Place, Bridgm	an, MI 4	9106		5879-12	N- Tob	No. ota
_		Addre		omri aca	_	-	o. No., Job ol Stamp N	_
3.	Work Perior	med by <u>Install</u>	Name	ervices		-	10. N/A	V/ A
	Same a	ig #2	Name			ation Dat		
	Danie a	Addre	ess					- gand
4.	Identificat	ion of System S	pent Fue	l Pit C	Cooling			ASS & 3 spolo
5.	(a) Applicab	le Const. Code	ANSI B3:	1.1 19	83Ed.,I	N/A Add	. <u>N/A</u>	Code Case
-	(b) Applicab	le Edition of Se	ection XI	Utilized	. for Repairs	or Repla	acements 19	89 <u>3</u> 130
6.	Identificat	ion of Component	s Repaire	ed or Rep	laced and Re	placement	Repaired	ASME
					Other		Replaced	Code
1 -	Name of	Name of	Manuf.	Nat.		77	or	Stamped
	omponent	Manufacturer	Serial No.	Board No.	Identi- Fication	Year Built	Replace- ment	(Yes or No)
		16071	ASP#	N/A	A36 - 90	N/A	Replace-	No No
1	GSF-R-19 8 x 4	M&E# 30-153141	21893	N/A	A36 - 90	N/A	ment	
	at Bar	30-133141	21000		<u> </u>			
	x 3 x 1/4	M&E#	ASP#	N/A	A500	N/A	Replace-	No
Tul	be Steel	30-150169	22500		Grade B		ment	
					1990			
-								
<u> </u>								
-								
-								
		on of work Mo	V 5 5	1 001	7 D 10 in 200	aordanao	wi+h 1_DCD-	163
7.	Descriptio	n of work Mo	alry Suppo	ore 1-GS	-k-19 III acc	Jordance	WICH I DCF	100
			<u> </u>					
8.	Test Conduc	ted: Hydrostat	ic 🗌	Pneumat	ic 🗌 N	_	erating Pr	
		n/a 🗵	Other [	Press	sure <u>N/A</u>	_psi Te	est Temp	N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

#### FORM NIS-2 (Back)

. Remarks	Final VT and	d Final MT
	Applicable Manufacturer's Da	ata Reports to be attached
	Ref. JO: C205879-12	Design Change: 1-DCP-163
	Repair/Replacement Plan	: C205879-12
	CERTIFICATE	OF COMPLIANCE
REPLACE		n the report are correct and this ules of the ASME Code, Section XI.
Type Code	e Symbol Stamp N/A	
Certific	ate of Authorization NoN/A	Expiration DateN/A
Signed	WWNING IMMONS Durapu Vinn Owner or Owner's Designee, Title	Date <u>/-19-01</u> , 20_01
<u></u>	CERTIFICATE OF IN	SERVICE INSPECTION
And Press by FACTO Have inspection and belied described Code, Sec	Ture Vessel Inspectors and the State of MUTUAL INSURANCE Co.  The ected the components described in the components described in the components described in this Owner's Report in accordance to XI.	ssion issued by the National Board of Boiler ate or Province of <u>Michigan</u> and employed of <u>Johnston</u> , R.I. 02919  In this Owner's Report during the period and state that to the best of my knowledge nations and taken corrective measures dance with the requirements of the ASME  Inspector nor his employer makes any
Warranty, Described Employer	expressed or implied, concerning in this Owner's Report. Further	g the examinations and corrective measures rmore, neither the Inspector nor his r any personal injury or property damage or
MA M Inspec	tor's Signature Commissions N.	Mich 0055, GNONIT ational Board, State, Province, Endorsements
Date Jak	20_01	

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date Performed: 10-23-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205967-11
	One Cook Place, Bridgman, MI 49106	Component#_1-ASI-R-4002
3.	Work Performed by: AEP/D.C. COOK Maintenance Depa	rtment
4.	Identification of System: SAFETY INJECTION	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs of	or Replacements: 1989, No Addenda

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
HILTI BOLT	НКВ ІІ	NA	M&E 30-046270 ASP 22889	NA	REPLACED	МО
STEEL PLATE	ASTM A-36-93A	NA	M&E 30-153149 ASP 23198	NA	REPLACED	NO
STEEL TUBING	ASTM A500 1990	NA	M&E 30-150165 ASP 23634	NA	REPLACED	NO
STEEL PLATE	ASTM A-36-93A	NA	M&E 30-153189 ASP 22134	NA	REPLACED	NO
STEEL BAR	ASTM A-36-90	NA	M&E 30-153130 ASP 18769	NA	REPLACED	NO
STEEL TUBING	ASTM A500 1990	NA	M&E 30-150169 ASP 24282	NA	REPLACED	NO

7. Hydrostatic NA Pneumatic N/A Nominal Operating Pressure
NDE: PT/VT-3 Pressure: psi Test Temperature F.
Description of work: INSTALLED HANGER AND HAD PT/VT-3 PERFORMED
Job Order/File: C0205967-11 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA
Signed: Dewayne Timmons, welding supervisor Date 1-24-0
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period
9-20-00 to 1-26-01, and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
Inspector's Signature Commissions MILLOUSS, ENDNST National Board, State, Province, Endorsements
Inspector's Signature National Board, State, Province, Endorsements
Date: Jan 26 18 200;

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-13-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ C0205967-12
	One Cook Place, Bridgman, MI 49106	Component#_1-ASI-R-4003
_		
3.	Work Performed by: AEP/D.C. COOK Maintenance I	Department
4.	Identification of System: SAFETY INJECTION	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983	Ed. NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repa	airs or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Rep	placed and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ASI-R-4003						
HILTI BOLTS	HBK II	NA	M&E 30-046271 ASP 22890	NA	REPLACED	NA
STEEL ANGLE	ASTM A-36 1991	NA	M&E 30-153031 ASP 23126	NA	REPLACED	NA
PLATE STEEL	ASTM A-36 1990	NA	M&E 30-153211 ASP 23664	NA	REPLACED	NA
,						

7.	Hydrostatic NA	Pneumatic 1	N/A Nominal Operating Pressure	
	NDE: MT/VT-3	Pressure: ps	si Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PRFORMED

Job Order/File: <u>C0205967-12</u> <u>1</u>	SI Class 2					
CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.						
Type Code Symbol Stamp						
Certificate of Authorization No. NA Expiration	on Date MA					
Signed: Dewayne Timmons welding supervisor  Owner or Owner's Designee, Title	Date_ <u>2-76-01</u>					
CERTIFICATE OF INSERVICE INSPE	CTION					
I, the undersigned, holding a valid commission issued by the Na Pressure Vessel Inspectors and the State or Providence of Mich FMIC of Johnston R I.  have inspected the components described in this Owner's Response to 2-26-01, and state that to the belief, the Owner has performed examinations and taken corresponding this Certificate neither the Inspector nor his examination warranty, expressed or implied, concerning the examinations and described in this Owner's Report. Furthermore, neither the Inshall be liable in any manner for any personal injury or property kind arising from or connected with this inspection.  Mathematical Process 26  Date: For 26	eport during the period est of my knowledge and ective measures described ts of the ASME Code, employer makes any nd corrective measures spector nor his employer y damage or of loss of any					

409 - 563

NO

REPLACED

NA

6.

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-27-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# <u>C0205967-13</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-ASI-R-4004
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	tment
4.	Identification of System: SAFETY INJECTION	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs of	r Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ASI-R-4004						
STEEL PLATE	ASTM A-36-93A	NA	M&E 30-153195 ASP 22402	NA	REPLACED	NO
STEEL PLATE	ASTM A39	NA	M&E 30-153217 ASP 22777	NA	REPLACED	NO
SWAY STRUT	GRINNELL FIG. 211N SIZE "C"	NA	TEMP M&E 00-009673 ASP 20875	NA	REPLACED	NO
HILTI BOLTS	HKB II	NA	M&E 30-046272	NA	REPLACED	NO

ASP 24525

ASP 14398

M&E 30-046273

NA

Identification of Components Repaired or Replaced and Replacement Components

HBK II

HILTI BOLT

7.	Hydrostatic NA	Pneumatic N/A N	ominal Operating Pressure	
	NDE: MT/VT-3	Pressure: psi	Test Temperature	F.
	_	-		
	Description of work:	INSTALLED HANG	ER AND HAD MT/VT-3	PERFORMED
	Job Order/File <u>:C</u>	0205967-13	ISI Cla	iss 2
<u> </u>				
	•	CERTIFICATE OF	COMPLIANCE	
,,,	7			1.
			report are correct and the Code, Section XI rep	
Topic	, comornia to		E Code, pootion 211 le	our or replacement.
	Type Code Symbol	StampNA		11.00.00
	Certificate of Author	rization No. MA	Expiration Date	NA
	Househ!	Vimo	Expiration Date	
Signe	ed: <u>Bewayne Timi</u>			Date <u>/-23-01</u>
L		Owner or Owner's	Designee, Title	
			· ·	
	CERT	IFICATE OF INSE	RVICE INSPECTION	N
I. the	undersigned, holding	a valid commission	issued by the National	Board of Boiler
Press	ure Vessel Inspectors	•	vidence of Michigan ar	
1	C of Johnston R I.		. 41.: O P	1
1	-	-	n this Owner's Report of the that to the best of r	~ ~
			s and taken corrective	
1	_	rt in accordance with	the requirements of th	e ASME Code,
Sect	ion XI	tificato noither the In	anastar nar hig amnlar	or makaa ansi
warra			spector nor his employ examinations and corr	=
1			re, neither the Inspector	
1		_	njury or property dama	
kind :	arising from or conne	cted with this inspec	tion.	_
100	A Minterspace	Commissions	National Board, State, Pr	dN8'I
	Inspector's Signature	2	National Board, State, Pr	ovince, Endorsements
	Date	Jan 26	18 2001	

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-29-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ C0205967-14
	One Cook Place, Bridgman, MI 49106	Component#_1-ASI-R-4005
3.	Work Performed by: AEP/D.C. COOK Maintenance Department	artment
4.	Identification of System: SAFETY INJECTION SYSTE	EM
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983.	NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs	or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replac	ed and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-431-4-4003						
STRUT ASSEMBLY	FIG 211N	GRINNELL	TEMP# 00-009675 ASP# 20875 PO#66199-042-8	NA	REPLACE	NO
PLATE 3/4X12X12	ASTM A36-93A	N/A	M&E# 30-153195 . ASP# 22402	N/A	REPLACE	NO
1" HILTI BOLT	KBII 1-9	N/A	M&E #30-046286 ASP# 14640	N/A	REPLACE	NO
3X2X1/4 TUBE STEEL	ASTM A500 1990 CARBON STEEL	N/A	M&E #30-153277 ASP# 23162	N/A	REPLACE	NO
STRUT CLAMP	FIG 211N	GRINNELL	TEMP# 00-023159 * ASP# 24425 PO#10602	N/A	REPLACE	NO

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pre	essure	_
	NDE: MT	Pressure: psi	Test Temperature	F.	

Description of work: THE HANGER WAS MODIFIED USING A NEW STRUT ASSEMBLY, STRUT CLAMP, HILTI'S AND TUBE STEEL. A FINAL MT WAS PERFORMED.

	Job Order/File: C0205967-14 ISI Class 2						
	CERTIFICATE OF COMPLIANCE						
	We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.						
	Type Code Symbol Stamp						
	Certificate of Authorization No. 1/A Expiration Date NA						
	Signed: <u>Dewayne Jimmons, welding supervisor</u> Date 3-/3-0/ Owner or Owner's Designee, Title						
_							
	CERTIFICATE OF INSERVICE INSPECTION						
	I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.						
	have inspected the components described in this Owner's Report during the period $9/20/00$ to $3/19/00$ , and state that to the best of my knowledge and						
	belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,						
	Section XI						
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures						
	described in this Owner's Report. Furthermore, neither the Inspector nor his employer						
	shall be liable in any manner for any personal injury or property damage or of loss of any						
	kind arising from or connected with this inspection.  MENOUSE ENDINGT						
	Inspector's Signature Commissions Michooss END NET  National Board, State, Province, Endorsements						
	Date: Maizch 14 20 01						

6.

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-21-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# <u>C0205967-15</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-GSI-R-21
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	ne <u>nt</u>
4.	Identification of System: SAFETY INJECTION_	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO_Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or H	Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
STEEL BAR	ASTM A-36-93	NA	M&E 30-153194 ASP 23756	NA	REPLACED	NO
PLATE STEEL	ASTM A-36-93A	NA .	M&E 30-153191 ASP 22356	NA	REPLACED	NO
SHEET METAL	ASTM A653-94	NA	M&E 30-153228 ASP 24298	NA	REPLACED	NO .
STEEL BAR	ASTM A36 1991	NA	M&E 30-153143 ASP23809	NA	REPLACED	NO
STEEL TUBING	ASTM A500 1993	NA	M&E 30-153269 ASP 22281	NA	REPLACED	NO
STEEL PLATE	ASTM A-36-93A	NA	M&E 30-153252 ASP21526	NA	REPLACED	NO

Identification of Components Repaired or Replaced and Replacement Components

7. Hydrostatic NA Pneumatic N/A Nominal Operating Pressure	
NDE: MT/PT/VT-3 Pressure: psi Test Temperature F.	
Description of work: INSTALLED HANGER AND HAD MT/PT/VT-3 PERFORMED	
Job Order/File: C0205967-15 ISI Class 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date NA	
Signed: Dewayne Timmons, welding supervisor Date 2-2	6-01
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by	
FMIC of Johnston R I.	
have inspected the components described in this Owner's Report during the period  to, and state that to the best of my knowledge and	
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI	
By signing this certificate neither the Inspector nor his employer makes any	
warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer	
shall be liable in any manner for any personal injury or property damage or of loss of any	
kind arising from or connected with this inspection.  Commissions Mich 2015 Evel NET	
Inspector's Signature Commissions Mich 0055 End Not T National Board, State, Province, Endorsements	
Date: Feb 26 18 2001	

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-17-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ C0205967-18
	One Cook Place, Bridgman, MI 49106	Component# 1-GSI-R-139
3.	Work Performed by: AEP/D.C. COOK Maintenance Depar	tment
4.	Identification of System: SAFETY INJECTION	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	d and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GSI-R-139						
STEEL BAR	ASTM A-36 1990	NA	M&E 30-153142 ASP 23283	NA	REPLACED	NO
					11 11	
						,

7. Hydrostatic NA		Pneumatic N	I/A Nominal Operating Pressure	ssure	
	,				
	NDE: PT/VT-3	Pressure: psi	Test Temperature	F.	

Description of work: INSTALLED HANGER AND HAD PT/VT-3 PERFORMED

Job Order/File: C0205967-18 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. WA Expiration Date MA  Signed: Dewayne Tirmnons, welding supervisor Date 2-26-20
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION  , the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.
have inspected the components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Manual Matanage Commissions Med 2055, End 251
Inspector's Signature  National Board, State, Province, Endorsements  Date: F=10 26 19 200;

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

	 <u>.</u>

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-18-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ C0205967-19
	One Cook Place, Bridgman, MI 49106	Component#_1-GSI-R-42
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	nent
4.	Identification of System: SAFETY INJECTION	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO_Add., Code Case:_NA

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GSI-R-42						
STEEL ANGLE	ASTM A-36-90	NA	M&E 30-153015 ASP 13430	NA	REPLACED	NO

7.	Hydrostatic NA	Pneumatic N/	A Nominal Operating Pressure	
	, <u></u>			
	NDE: MT/VT-3	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/ VT-3 PERFORMED

Job Order/File: C0205967-19 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA
Signed: Dewayne Timmons, Welding supervisor  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period
Date: Feb 26 18 2001

As Required by the Provisions of the ASME Code Section XI

419-563

Owner AMER	ICAN ELECTRIC		COMPANY	Date _	Janua	ry 17, 20	01
DO Por	Nam 60 Fort Wayne		801	Sheet	1	of 2	
P.O. BOX	Addre		901	211666		O1	
			ייי א אוריי	TT 2 &	# 1		
. Plant $D.C.$	COOK NUCLEAR		LANI	Unit _	. # 1		
	Nan			G0.01	-067 00		
One Cook	Place, Bridgm	an, MI 4	9106		5967-20	N 7 7 1	37
	Addre			-	-	). No., Job	
. Work Perfor	med by <u>Install</u>	ation Se	ervices		_	ol Stamp N	1/A
		Name				No. <u>N/A</u>	
Same a				Expira	ation Dat	e <u>N/A</u>	
	Addre	ess					
. Identificat	ion of System	Safety I	njectio	on		ME CODE CL	ASS 1
. (a) Applicab	le Const. Code	ANSI B3	1.1 19	83Ed.,	N/A Add	l. N/A	Code Case
(h) Applicah	le Edition of Se	ection XT	Utilized	for Repairs	or Repla	acements 19	<u>-</u> 89
. Identificat	ion of Component	s Repaire	d or Rep	laced and Re	placement	t Component	s
			T	1		Repaired	ASME
_		-		Other		Replaced	Code
Name of	Name of	Manuf.	Nat.		l	or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-GSI-R-44	M&E#	ASP#	N/A	A240-99A	N/A	Replace-	No
3/8: Plate	30-153224	24372		Grade		ment	
				TP304			
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Desawirtie	on of workMoo	dify Cymno	ort 1-097	-P-44 and ad	ld Taigs p	er 1-DCP-16	3
. Description	I OI WOLKMO	TIL BAPPE	J. C 1GD1	. It is assumed to	J- P		
. Test Conduc	ted: Hydrostat	ic 🗆	Pneumat	ic $\square$ N	ominal Or	erating Pre	essure 🗌
. rest conduc					-	est Temp.	_
	n/a 🗵	Other [	] Press	sure N/A	_Ps1 16	sec remb.	14/12 x
Omn o :	al sheets in form of	-1 -1	tahaa ar	drawings may be	nged prov	rided (1) size	is 8-1/2 in :
<pre>TE: Supplement</pre>	ar sneets in form of	, ilsts, ske	cones, or	rrawinas maž ne	asca, prov	(,	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 6-1/2 in. X in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

420 -563 Page 2 of 2

#### FORM NIS-2 (Back)

✓. Remarks		
	Applicable Manufacturer's Data Reports t	o be attached
	Pof TO: C205067 20 Dog	ian Chango, 1 DCD 163
	Ref. JO: C205967-20 Des	ign Change: 1-DCP-163
	Repair/Replacement Plan: C205967-20	ISI Class: 2
		· · · · · · · · · · · · · · · · · · ·
	CERTIFICATE OF COMPLIANCE	₹ · · · · · · · · · · · · · · · · · · ·
REPLACE	certify that the statements made in the report  CEMENT conforms to the rules of the A  or replacement	are correct and this ASME Code, Section XI.
Type Cod	ode Symbol StampN/A	
Certific	icate of Authorization No. N/A Expi	ration Date <u>N/A</u>
	O Marine	•
	Deways of Transiers Date _/	1-23-01 , 20 01
Signed _	Owner or Owner's Designee, Title	, 20 01
	owner or owner a pearance, received	
· · · · · · · · · · · · · · · · · · ·		
	CERTIFICATE OF INSERVICE INSP	ECTION
And Press by FACT Have insp 7-24-6 and belie described Code, Sec By sign Warranty, Described Employer a loss of	undersigned, holding a valid commission issued source Vessel Inspectors and the State or Province TORY MUTUAL INSURANCE Co. of Johns spected the components described in this Owner's to 0:-3:-0: , and state the dief, the Owner has performed examinations and the died in this Owner's Report in accordance with the ection XI. In gring this certificate neither the Inspector not accordance with the examination of in this Owner's Report. Furthermore, neither shall be liable in any manner for any personal of any kind arising from or connected with this owner's remaining the examination of any kind arising from or connected with this owner is any manner for any personal of any kind arising from or connected with this	ston, R.I. 02919  s Report during the period nat to the best of my knowledge aken corrective measures are requirements of the ASME  or his employer makes any ations and corrective measures are the Inspector nor his al injury or property damage or s inspection.
MAM Inspec	Commissions Michoos Sector's Signature National Board	Endnit 1, State, Province, Endorsements
Date	20_01	

6.

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-22-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0205967-21
	One Cook Place, Bridgman, MI 49106	Component# 1-GSI-R-48
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: SAFETY INJECTION	·
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GSI-R-48						
STEEL TUBING	ASTM A500 99 GR. B	NA	TEMP M&E 00-022120 ASP 24241	NA	REPLACED	NO
SHEET METAL	ASTM A653-94	NA	M&E 30-153228 ASP 24298	NA	REPLACED	NO
SHEET METAL	ASTM A653-94	NA	M&E 30-153229 ASP 23632	NA	REPLACED	NO
		,				

Identification of Components Repaired or Replaced and Replacement Components

7.	Hydrostatic NA	Pneumatic	N/A N	ominal Operating Pressure	
					_
	NDE: MT/VT-3	Pressure:	psi	Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

Job Order/File: <u>C0205967-21</u>	ISI Class 2
CERTIFICATE	OF COMPLIANCE
	the report are correct and this repair and/or SME Code, Section XI repair or replacement.
Type Code Symbol Stamp	<u> </u>
Certificate of Authorization No.	Expiration Date <u>NA</u>
Signed: Dewayne Timmons, Welding Su Owner or Own	pervisor Date /-30-0/
CERTIFICATE OF IN	ISERVICE INSPECTION
belief, the Owner has performed examinating this Owner's Report in accordance Section XI  By signing this certificate neither the warranty, expressed or implied, concerning described in this Owner's Report. Further shall be liable in any manner for any person kind arising from or connected with this incomplete.	Providence of Michigan and employed by  ed in this Owner's Report during the period and state that to the best of my knowledge and tions and taken corrective measures described with the requirements of the ASME Code,  the Inspector nor his employer makes any the examinations and corrective measures the examinations are the examinations and corrective measures the examinations are the examinations and corrective measures the examinations are the examinations and corrective measures the examination of the exami
Inspector's Signature  Date: Jau 31	National Board, State, Province, Endorsements  10 200

As Required by the Provisions for the ASME Code Section XI

X 1 1/2	ASTM A-240 TYPE 304	NA	M&E 30-153224	NΔ	REPLACED	NO
of onent	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASM Code Stam Yes/I
6.	Identification of Com	ponents Repaire	ed or Replaced and Rep	lacement Cor	nponents	
	(b) Applicable Edition of	Section XI Utilize	d for Repairs or Replaceme	nts <u>: 1989, No <i>A</i></u>	Addenda	
<u>5.</u>	(a) Applicable Construct	ion Code: ANSI-B	31.1-1983 <u>. NO Add.</u> , C	ode Case <u>: NA</u>		
4.	Identification of System: SAFETY INJECTION					
3.	Work Performed by: AE	P/D.C. COOK Mai	ntenance Department			
	One Cook Place, Bridgm	an, MI 49106	Compone	nt <u>#_ 1-GSI-R-5</u>	50	
2.	Plant: D.C.Cook Nuclear	Power Plant	Job Orde	er <u>#_ C0205967</u> -	-22	
	P.O. Box 60 Fort Wayne	IN 46801	Unit# 1			
1.	Owner: <u>AMERICAN E</u>	LECTRIC POWE	<u>CR</u> Date_Per	formed: 10-26	<u>-00</u>	

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
3/8X 1 ½ X 1 ½  STEEL PLATE	ASTM A-240 TYPE 304	NA	M&E 30-153224 ASP 24372	NA	REPLACED	NO

7.	Hydrostatic NA	Pneumatic	N/A Nomir	nal Operating Pressure		_
	NDE: PT/VT-3/	Pressure:	psi NA	Test Temperature	NA	F.

Description of work: INSTALLED PLATE ON 1-GSI-R-50, FOR DCP 163. HAD PT AND VT PERFORMED.

Job Order/File: C205967-22 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or
replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
House Chams
Signed: Dewayne Timmons, welding supervisor Date 1-17-01
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC of Johnston R I.
have inspected the components described in this Owner's Report during the period
9-26-00 to $01-18-01$ , and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from connected with this inspection.  Commissions Mi. 762 NAT
Inspector's Signature National Board, State, Province, Endorsements
Date: <u>Jan. 18</u> 18 200/

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-16-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205967-23
	One Cook Place, Bridgman, MI 49106	Component# 1-GSI-R-805
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	tment
4.	Identification of System: <u>SAFETY INJECTION</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs of	r Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	ed and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GSI-R-805						
STEEL PLATE	ASTM A-36	NA	M&E 30-153216 ASP22440	NA	REPLACED	NO

7.	Hydrostatic_NA	Pneumatic N/A N	ominal Operating Pressure	
	NDE: MT/VT-3	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

	Job Order/File: C0205967-23	ISI Class 2
	Job Order/A Mo-	
	CERTIFICATE OF	COMPLIANCE
	We certify that the statements made in the replacement conforms to the rules of the ASN  Type Code Symbol Stamp  Certificate of Authorization No.	Expiration Date NA
S	Signed: Dewayne Timmons, welding super	I VIDOI
	Owner or Owner's	s Designee, Title
I	in this Owner's Report in accordance wi Section XI	on issued by the National Board of Boiler rovidence of Michigan and employed by  in this Owner's Report during the period at state that to the best of my knowledge and ons and taken corrective measures described ith the requirements of the ASME Code,  Inspector nor his employer makes any
	warranty, expressed or implied, concerning the	nore, neither the Inspector nor his employer al injury or property damage or of loss of any pection.  Ons Mill 0055, God Mill National Board, State, Province, Endorsements

427-563

Page 1 of 2

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date Performed:11-04-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: D.C.Cook Nuclear Power Plant	Job Order#_ <u>C0205967-24</u>
	One Cook Place, Bridgman, MI 49106	Component#DC-1 (1-SI-1)
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	rtment
4.	Identification of System: SAFETY INJECTION	· · · · · · · · · · · · · · · · · · ·
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs of	or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	ed and Replacement Components

AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
					NO
SA-240 TYPE 304	N/A	TEMP M&E # 00-022381 ASP # 24638	N/A	REPLACED	NO
SA-312 TYPE-304	N/A	TEMP-M&E # 00-022381 ASP # 24638	N/A	REPLACED	NO
SA-240 TYPE-304	N/A	TEMP- M&E # 00-022382 ASP # 24638	N/A	REPLACED	NO
SA-312-TYPE-304	N/A	TEMP-M&E # 00-022382 ASP # 24638	N/A	REPLACED	NO
	SA-240 TYPE 304  SA-312 TYPE-304  SA-240 TYPE-304	SA-240 TYPE 304 N/A  SA-312 TYPE-304 N/A  SA-240 TYPE-304 N/A	ASP# P.O.#  SA-240 TYPE 304  N/A  TEMP M&E # 00-022381  ASP # 24638  SA-312 TYPE-304  N/A  TEMP-M&E # 00-022381  ASP # 24638  SA-240 TYPE-304  N/A  TEMP- M&E # 00-022382  ASP # 24638  SA-312-TYPE-304  N/A  TEMP-M&E # 00-022382	ASP# P.O.#  SA-240 TYPE 304  N/A  TEMP M&E # 00-022381  N/A  ASP # 24638  SA-312 TYPE-304  N/A  TEMP-M&E # 00-022381  N/A  SA-240 TYPE-304  N/A  TEMP- M&E # 00-022382  N/A  SA-312-TYPE-304  N/A  TEMP-M&E # 00-022382  N/A	ASP# P.O.#  SA-240 TYPE 304  N/A  TEMP M&E # 00-022381  N/A  REPLACED  ASP # 24638  SA-312 TYPE-304  N/A  TEMP-M&E # 00-022382  N/A  REPLACED  ASP # 24638  SA-312-TYPE-304  N/A  TEMP-M&E # 00-022382  N/A  REPLACED  ASP # 24638  SA-312-TYPE-304  N/A  TEMP-M&E # 00-022382  N/A  REPLACED

7.	Hydrostatic_N/A	Pneumatic	N/A Nominal Operating Pressure	N/A
	NDE VT PT	Pressure;psi N/A T	emperature F	
	Description of wo	ork: Install reinf	orcement collar on 1-SI-1	

**Job Order/File:** C0205967-24 ISI Class 2 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement. Type Code Symbol Stamp Certificate of Authorization No. NA Expiration Date MA Date 22-0 inamons, welding supervisor Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I. have inspected the components described in this Owner's Report during the period io-10-00 to 2-5-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Milliagraugh Commissions Mich 0055, ENDNÉT

Inspector's Signature National Board, State, Province, Endorsements Inspector's Signature Date: F=5 5 19 2001

6.

429-563

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 11-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0205967-25
	One Cook Place, Bridgman, MI 49106	Component#_1-SI-3
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	nent
4.	Identification of System: SAFETY INJECTION	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
TEE SADDLE	PLATE SA 240 TP  304  PIPE SA 312 TP 304  SCHD 160	NA	TEMP M&E 00-022382 ASP 24638	NA	REPLACED	NO

Identification of Components Repaired or Replaced and Replacement Components

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressure		
	<del></del>				
	NDE: PT	Pressure: psi	Test Temperature	F.	

Description of work: IMSTALLED SADDLE AND HAD A PT.

Job Order/File: <u>C0205967-25</u> ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Timmons, welding supervisor Date 2-26-2
Owner of Owner's Designee, Thre
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC of Johnston R I.
have inspected the components described in this Owner's Report during the period
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
Mr Muters pauge Commissions MICL 0055, ENOL NET
Inspector's Signature National Board, State, Province, Endorsements
Date: 7-1-2
Date: Feb 36 18 2001

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-06-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205968-01
	One Cook Place, Bridgman, MI 49106	Component# 1-ARH-R-4003
3.	Work Performed by: AEP/D.C. COOK Maintenance Department	nent
4.	Identification of System: RESIDUAL HEAT REMOVAL	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ARH-R-4003			· -			
PLATE STEEL	ASTM A-36	NA	M&E 30-153217	NA	REPLACED	NO
	1991		ASP 22500			
STEEL BAR	ASTM A-36	NA	M&E 30-153131	NA	REPLACED	NO
	1990		ASP 14395			
STEEL	ASTM A500	NA	M&E 30-153269	NA	REPLACED	NO
TUBING	1993		ASP 22281			
HILTI BOLT	HBK II	NA	M&E 30-046273	NA	REPLACED	NO
·			ASP 14398			

7.	Hydrostatic_NA	Pneumatic N	/A Nominal Operating Pressure		
	NDE: MT/PT/VT-3	Pressure	: psi Test Temperature	F	

Description of work: INSTALLED HANGER AND HAD PT/MT/VT-3 PERFORMED

Job Order/File: C0205968-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title
Owner or Owner's Designee, True
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  7-6-00 to 2-5-01, and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions MICL 0055, END NGI National Board, State, Province, Endorsements
Date: Feb 5 19 2001

ASME

Stamped

Yes/No

Code

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-09-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u>#_C0205968-02</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-ARH-R-4004
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: RESIDUAL HEAT REMOVAL_	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Renairs or	Replacements: 1989. No Addenda

Name of Component ASME, ASTM or Component AISI designation:

Name of AISI designation:

Name of Material Identification:

M&E#
ASP#

Name of Material Identification:

M&E#
ASP#

1-ARH -R-4004 NA REPLACED NO TEMP M&E 00-009672 GRINNELL NA SWAY STRUT ASP 20875 FIG. 211N NO NA REPLACED M&E 30-153143 STEEL BAR ASTM A-36 NA ASP 23809 1991 REPLACED NO NA M&E 30-046265 NA HILTI BOLT HKB II ASP 19102 NA REPLACED NO M&E 30-046267 HILTI BOLT HKB II NA ASP 22890

P.O.#

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressure				
	NDE: MT/VT-3	Pressure:	psi Test Temperature	F.			

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

Job Order/File: C0205968-02	ISI Class 2
CERTIFICATE OF CO	MPLIANCE
We certify that the statements made in the report replacement conforms to the rules of the ASME Conforms to the rules of the rules of the ASME Conforms to the rules of the rules of the ASME Conforms to the rules of the rules o	rt are correct and this <u>repair and/or</u> ode, Section XI repair or replacement.
Type Code Symbol Stamp NA	
Certificate of Authorization No.	Expiration Date MA
Signed: Dewayne Timmons, welding supervisor Owner or Owner's Desig	
CERTIFICATE OF INSERVI	CE INSPECTION
I, the undersigned, holding a valid commission issu	
Pressure Vessel Inspectors and the State or Provide FMIC of Johnston R I.	nce of Michigan and employed by
have inspected the components described in this	
7-6-00 to 1-31-1, and state	that to the best of my knowledge and
belief, the Owner has performed examinations and in this Owner's Report in accordance with the	d taken corrective measures described requirements of the ASMF Code
Section XI	roquironionis of the rionize code,
By signing this certificate neither the Inspec	
warranty, expressed or implied, concerning the exa	minations and corrective measures
described in this Owner's Report. Furthermore, n shall be liable in any manner for any personal injur	
kind arising from or connected with this inspection	
Mr Materspace Commissions	MICH 0055, END NET
Inspector's Signature Na	ational Board, State, Province, Endorsements
Date: Jan 31	18 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-17-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ <u>C0205968-03</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-ARH-R-4005
3.	Work Performed by: AEP/D.C. COOK Maintenance	<u>Department</u>
4.	Identification of System: RESIDUAL HEAT REMO	OVAL
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983	Ed. NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Rep	airs or Replacements: 1989, No Addenda
6	Identification of Components Repaired or Re	placed and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-AHR-R-4005						
STEEL BAR	ASTM A-36-93A	NA	M&E 30-153149 ASP 23198	NA	REPLACED	NO
HILTI BOLTS	HKB II	NA	M&E 30-046270 ASP 22889	NA	REPLACED	NO
STEEL TUBING	ASTM A500 1990	NA	M&E 30-150169 ASP 22500	NA	REPLACED	NO
STEEL	ASTM A500	NA	M&E 30-150165	NA	REPLACED	NO
TUBING	1990		ASP 21507			

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressure	
	NDE: MT/VT-3	Pressure: r	osi Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

Job Order/File: C0205968-03
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. WA Expiration Date Signed: Dewayne Timmons, welding supervisor Date 1-23-01
Signed: Dewayne Tighmons, welding supervisor Date 7 22 of Owner or Owner's Designee, Title
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period   9-6-00 to 1-24-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.    Maintanae   Commissions   Maintanae   National Board, State, Province, Endorsements

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-21-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205968-04
	One Cook Place, Bridgman, MI 49106	Component# 1-ARH-R-4006
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	<u>nent</u>
4.	Identification of System: RESIDUAL HEAT REMOVAL	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ARH-R-4006						
STEEL PLATE	ASTM A36	NA	M&E 30153211	NA	REPLACED	NO
	1990		ASP23391			
STEEL	ASTM A500	NA	M&E 30150165	NA	REPLACED	NO
TUBING	1990		ASP 21507			
HILTI BOLT	HKB II	NA	M&E 30046273	NA	REPLACED	NO
			ASP14398			

7.	Hydrostatic NA	Pneumatic	N/A N	Nominal Operating Pressure		
	NDE: MT/VT-3	Pressure	: psi	Test Temperature	F.	

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

Job Order/File: C0205968-04	ISI Class 2
CERTIFICATE OF COM	PLIANCE
We certify that the statements made in the report replacement conforms to the rules of the ASME Cod	are correct and this <u>repair and/or</u> e, Section XI repair or replacement.
Type Code Symbol Stamp NA	
Certificate of Authorization No. 1/A	Expiration Date NA
Certificate of Authorization No. 1/A  Signed: Dewayne Timmons, welding supervisor	Date 1-19-07
Owner or Owner's Designe	e, little
I, the undersigned, holding a valid commission issued Pressure Vessel Inspectors and the State or Providence FMIC of Johnston R I.  have inspected the components described in this Owner to Original properties of the providence of the components described in this Owner's Report in accordance with the respection XI  By signing this certificate neither the Inspector warranty, expressed or implied, concerning the examples of the owner's Report. Furthermore, neither	Dwner's Report during the period at to the best of my knowledge and taken corrective measures described equirements of the ASME Code, or nor his employer makes any inations and corrective measures ther the Inspector nor his employer
shall be liable in any manner for any personal injury kind arising from or connected with this inspection.  Inspector's Signature Commissions National National Commissions	
Inspector's Signature National	

439-5623 REH

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

ASK	equired by i	He Flovision	15 101 (1)	E ASIVIL C	ouc scenon	/AI		
							 	-

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-08-00		
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1		
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205968-05		
	One Cook Place, Bridgman, MI 49106	Component#1-ARH-R4007		
3.	Work Performed by: AEP/D.C. COOK Maintenance Department			
4.	Identification of System: RESIDUAL HEAT REMOVAL			
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO_Add., Code Case: NA		

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ARH-R4007				,		
HILTI BOLTS	нкв іі	NA	M&E 30-046270 ASP 16980	NA	REPLACED	NO
			ASP 22889			
STEEL TUBING	ASTM A500 1990	NA	M&E 30-150169 ASP 22500	NA	REPLACED	NO
STEEL ANGLE	ASTM A-36 1991	NA	M&E 30-153031 ASP 22349	NA	REPLACED	NO

7.	Hydrostatic NA	Pneumatic 1	N/A Nominal Operating Pressure	
	NDE: MT/VT-3	Pressure: ps	si Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

Job Order/File: C0205968-05	ISI Class 2
CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the replacement conforms to the rules of the ASM	report are correct and this <u>repair and/or</u> E Code, Section XI repair or replacement.
Type Code Symbol Stamp	
Certificate of Authorization No. MA	Expiration Date MA
Signed: <u>Dewayne Timmons, welding super</u> Owner or Owner's	
Owner or Owner's	Designee, Title
CERTIFICATE OF INSE	RVICE INSPECTION
I, the undersigned, holding a valid commission Pressure Vessel Inspectors and the State or Professure Vessel Inspector in Respector Inspector	n this Owner's Report during the period state that to the best of my knowledge and as and taken corrective measures described in the requirements of the ASME Code, aspector nor his employer makes any examinations and corrective measures are, neither the Inspector nor his employer injury or property damage or of loss of any ection.
Date: Jan 23	18 2001

441-5643 REH 3/4/01

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-15-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# <u>C0205968-09</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-ARH-M-4008
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	<u>nent</u>
4.	Identification of System: <u>RESIDUAL HEAT REMOVAL</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ARH-R-4008						
STEEL ANGLE	ASTM A36	NA	M&E 30153031	NA	REPLACED	NO
	1991		ASP 22349			
HILTI BOLT	HKB II	NA NA	M&E 30046273	NA	REPLACED	NO
	· · ·		ASP 14398			
STEEL PLATE	ASTM A36-93A	NA	M&E 30153193	NA	REPLACED	NO
			ASP 23632			

7.	Hydrostatic_NA	Pneumatic 1	N/A Nominal Operating Pressure	
	NDF: MT/VT-3	Pressure: p	si Test Temperature	₹.

142-56\$3
REM3/14/01

Description of work: INSTALLED HANGER AND HAD VT-3/MT PERFORMED

Job Order/File: C0205968-09 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA
Signed. Dewayne Timmons, welding supervisor Date 1-19-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  9-6-00 to
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI  By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature  Commissions  MI=L0055  ENSINET  National Board, State, Province, Endorsements
Date: Jan 23 19 2001

443 - 564 REUT 3/1401

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-24-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ C0205968-10
	One Cook Place, Bridgman, MI 49106	Component#_1-GRH-V40
3.	Work Performed by: AEP/D.C. COOK Maintenance De	partment
4.	Identification of System: <u>RESIDUAL HEAT REMOV</u>	'AL
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ec	d. NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs	s or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Repla	aced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRH-V40						
HILTI BOLT	HKB II	NA	M&E 30-046280 ASP 23253	NA	REPLACED	NO
STEEL ANGLE	ASTM A-36 1990	NA	M&E 30-153018 ASP 18217	NA	REPLACED	NO

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressu	ıre
	NDE: VT-3	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED ANGLE AND HAD VT-3 PERFORMED

Job Order/File: <u>C0205968-10</u>	ISI Class 2
CERTIFICATE	OF COMPLIANCE
We certify that the statements made in replacement conforms to the rules of the A	the report are correct and this repair and/or SME Code, Section XI repair or replacement.
Type Code Symbol Stamp	VA
Certificate of Authorization No	Expiration Date AA  pervisor Date 1-23-01  er's Designee, Title
Owner or Own	er s Designee, True
CERTIFICATE OF IN	SERVICE INSPECTION
Pressure Vessel Inspectors and the State or FMIC of Johnston R I.  have inspected the components described of the last of the	ed in this Owner's Report during the period and state that to the best of my knowledge and ations and taken corrective measures described with the requirements of the ASME Code, the Inspector nor his employer makes any gethe examinations and corrective measures armore, neither the Inspector nor his employer nal injury or property damage or of loss of any spection.  In this Owner's Report during the period and state that to the best of my knowledge and taken corrective measures any gether examinations and corrective measures armore, neither the Inspector nor his employer nal injury or property damage or of loss of any spection.  In this Owner's Report during the period and state that to the best of my knowledge and the period of my knowledge and taken corrective measures are supported by the period of the ASME Code, and the period of the ASME Code, are in the period of the peri
Date: Jan 24	18 2001

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-20-00
,	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_ <u>C0205968-11</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-GRH-R-41
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: <u>RESIDUAL HEAT REMOVAL</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRH-R-41						
STEEL PLATE	ASTM A-36 1990	NA	M&E 30-153209 ASP22088	NA	REPLACED	NO

7.	Hydrostatic_NA	Pneumatic N	I/A Nominal Operating Pressure	
	NDE:MT/ VT-3	Pressure: ps	si Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

Job Order/File: C0205968-11 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. 1991 Expiration Date 1991
Signed: Dewayne Tingmons, welding supervisor Date -26-01
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period 9-6-00 to 01-31-801 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Manual Commissions McLooss, Endorsements  Date: 01 - 31 19 2001

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

•	A MEDICAN EL ECEDIC DOMES	D. A. D. S
1.	Owner: <u>AMERICAN ELECTRIC POWER</u>	Date_Performed:11-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_C0205968-12
	One Cook Place, Bridgman, MI 49106	Component#1-GRH-R-28_
3.	Work Performed by: AEP/D.C. COOK Maintenance D	epartment
4.	Identification of System: <u>RESIDUAL HEAT REMO</u>	VAL
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983_I	Ed. NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repair	irs or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Rep	laced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRH-R-28						
STEEL ANGLE	ASTM A36	NA	M&E 30-153031	NA	REPLACED	NO
	1991		ASP23126			
STEEL PLATE	ASTM A-240	NA	M&E 30-153224	NA	REPLACED	NO
	TYPE 304		ASP 24372			
STEEL PLATE	ASTM A36-93A	NA	M&E 30-153252	NA	REPLACED	NO
			ASP 21526			
HILTI BOLT	HKB II	NA	M&E 30-046271	NA	REPLACED	NO
			ASP 22890			
					<u> </u>	

7.	Hydrostatic_NA	Pneumatic	ic N/A Nominal Operating Pressure		
	NDE: MT/PT/VT-3	Press	ure: psi	Test Temperature	F

Description of work: INSTALLED HANGER AND HAD PT/MT/VT-3 PERFORMED

Job Order/File: <u>C0205968-12</u>	ISI Class 2
CERTIFICATE O	F COMPLIANCE
We certify that the statements made in the replacement conforms to the rules of the AS	ne report are correct and this <u>repair and/or</u> ME Code, Section XI repair or replacement.
Type Code Symbol Stamp Nh	
Certificate of Authorization No.	Expiration Date MA
Signed: Dewayne Timmons, welding super	
Owner or Owner	's Designee, Title
I, the undersigned, holding a valid commission Pressure Vessel Inspectors and the State or Pressure Vessel Inspectors and Inspectors	In this Owner's Report during the period of state that to the best of my knowledge and ons and taken corrective measures described ith the requirements of the ASME Code,  Inspector nor his employer makes any he examinations and corrective measures more, neither the Inspector nor his employer al injury or property damage or of loss of any

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date_Performed:__10-31-00 1. Owner: AMERICAN ELECTRIC POWER Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0205968-13 Plant: D.C.Cook Nuclear Power Plant 2. Component# 1 ARH-R-4009 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. Identification of System: RESIDUAL HEAT REMOVAL 4. (a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Case: NA <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
SWAY STRUT	GRINNELL FIG 22	NA	TEMP M&E 00023643 ASP 24715	NA	REPLACED	NO
STEEL PLATE	ASTM A36-93A	NA	M&E 30153188 ASP 21858	NA	REPLACED	NO
HILTI BOLT	НКВ ІІ	NA	M&E 30046271 ASP22890	NA	REPLACED	NO
TUBE STEEL	ASTM A500 1990	NA	M&E 30153277 ASP23162	NA	REPLACED	ИО
PLATE STEEL	ASTM A36 1991	NA	M&E 30153217 ASP 22500	NA	REPLACED	NO
HILTI BOLT	нкв II	NA	M&E 30046279 ASP 16980	NA	REPLACED	NO

1.	Hydrostatic NA Pneumatic N/A Nominal Operating Pressure
	NDE: MT/ VT-3 Pressure: psi Test Temperature F.
	Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED
	Job Order/File: C0205968-13 ISI Class 2
	Job Order/File: C0205968-13 ISI Class 2
	CERTIFICATE OF COMPLIANCE
V	e certify that the statements made in the report are correct and this repair and/or
repla	ement conforms to the rules of the ASME Code, Section XI repair or replacement.
	Type Code Symbol Stamp
	4/1
	Certificate of Authorization No. NA Expiration Date NA
	Awalful Hums
Signe	: Dewayne Timmons, welding supervisor Date /- 30-0
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the	ndersigned, holding a valid commission issued by the National Board of Boiler
Press	re Vessel Inspectors and the State or Providence of Michigan and employed by
FMI	of Johnston R I.
h	re inspected the components described in this Owner's Report during the period
10	to o, -31-01, and state that to the best of my knowledge and
belie	the Owner has performed examinations and taken corrective measures described
j	this Owner's Report in accordance with the requirements of the ASME Code,
Sect	on XI
	By signing this certificate neither the Inspector nor his employer makes any
warra	ty, expressed or implied, concerning the examinations and corrective measures
descr	ped in this Owner's Report. Furthermore, neither the Inspector nor his employer
	e liable in any manner for any personal injury or property damage or of loss of any
kind	rising from or connected with this inspection.
199	Inspector's Signature Commissions Met 0055 End N 5 T  National Board, State, Province, Endorsements
	Date: Jan 31 18 2001

6.

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: <u>AMERICAN ELECTRIC POWER</u>	Date_Performed: 10-23-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_C0205968-14
	One Cook Place, Bridgman, MI 49106	Component#1-ARH-R-4010
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: RESIDUAL HEAT REMOVAL_	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-ARH-R4010						
SWAY STRUT	GRINNELL FIG. 222	NA	TEMP M&E 00023644 ASP 24715	NA	REPLACED	NO
STEEL PLATE	ASTM A36-93A	NA	M&E 30153195 ASP 23105	NA	REPLACED	NO
HILTI BOLTS	нкв II	NA	M&E 30046271 ASP 22890	NA	REPLACED	NO

7.	Hydrostatic NA	Pneumatic N/A Nominal Operating Pressure		
	NDE: VT-3/MT	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD VT-3/MT PERFORMED

Job Order/File: C0205968-14 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  \[ \frac{10-13-00}{20-13-00} \]  to \[ \frac{21-31-01}{20-31-00} \]  , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  \[ \frac{Material Material Material Signature}{Material Material Signature} \]  National Board, State, Province, Endorsements
Date: 31 19 2001

453 - 563

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-31-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205968-15
	One Cook Place, Bridgman, MI 49106	Component#_1-ARH-R-4011
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: <u>RESIDUAL HEAT REMOVAL</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
GRINNELL FIG. 222	NA	TEMP M&E 00023644 ASP 24715	NA	REPLACED	NO
ASTM A36	NA	M&E 30153217 ASP 22777	NA	REPLACED	NO
нкв п	NA	M&E 30046281 ASP 19083	NA	REPLACED	NO
	AISI designation:  GRINNELL  FIG. 222  ASTM A36  1991	AISI designation: Manufacture  GRINNELL NA  FIG. 222  ASTM A36 NA  1991	AISI designation: Manufacture M&E# ASP# P.O.#  GRINNELL NA TEMP M&E 00023644  FIG. 222 ASP 24715  ASTM A36 NA M&E 30153217  1991 ASP 22777  HKB II NA M&E 30046281	AISI designation:  Manufacture  M&E# ASP# P.O.#  GRINNELL  NA  TEMP M&E 00023644  NA  FIG. 222  ASP 24715  ASTM A36  NA  M&E 30153217  NA  1991  HKB II  NA  M&E 30046281  NA	AISI designation:         Manufacture         M&E# ASP# P.O.#         Or Replaced           GRINNELL         NA         TEMP M&E 00023644         NA         REPLACED           FIG. 222         ASP 24715         NA         REPLACED           1991         ASP 22777         NA         REPLACED           HKB II         NA         M&E 30046281         NA         REPLACED

7.	Hydrostatic NA	Pneumatic N/A N	Jominal Operating Pressure	
			•	
	NDE: MT/VT-3	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT/VT-3 PERFORMED

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Timmons, welding supervisor Date 1-300
Owner or Owner's Designee, Title
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

455-563

Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	Janua	ry 18, 20	01
	Name	TN1 46	CON1	Sheet	1 (	of 2	
P.O. Box	60 Fort Wayne	, 111 40	0001			<u> </u>	
. Plant D.C.	COOK NUCLEAR		TIANT	Unit	# 1		
. Plant D.C.	Nar	ne					
One Cook	Place, Bridgm		19106	C205	969-01		
one coon	Addre	ess		Repair	Org. P.C	No., Job	No., etc
Work Perfo	rmed by <u>Install</u>	lation S	ervices			ol Stamp <u>N</u>	
		Name		Author		10. <u>N/A</u>	
Same	as #2	ess		Expira	tion Dat	e <u>N/A</u>	
	Addre	ess					7.00.0
Identificat	tion of System C	hemical	and Vol	lume Contro	l ASM	E CODE CT	ASS 2
/-\ 33-a-h	la Const Code	ANST B3	1.1 19	83Ed. 1	N/A Ada	. N/A	Code Case
(1) \ 7   7   2   -1	J. Edition of Co	action XT	IItilized	l for Repairs	or Repla	acements 19	89
Identificat	ion of Component	ts Repaire	ed or Rep	laced and Re	placement	Componence	3
				Other		Repaired Replaced	ASME Code
Name of		Manuf.	Nat.	Orner		or	Stamped
Component	Name of Manufacturer	Manui.   Serial	Board	Identi-	Year	Replace-	(Yes
Component	Manuraccurer	No.	No.	Fication	Built	ment	or No)
GGG D 1003	M&E#	ASP#	N/A	A36 1990	N/A	Replace-	No
-GCS-R-109A	30-153147	21895	11/11			ment	
./2 x 3 Flat Bar	30-133147	21033		1	1		
1/2 x 3	M&E#	ASP#	N/A	A36 1990	N/A	Replace-	No
Flat Bar	30-153147	23126				ment	
7/4 Plate	M&E#	ASP#	N/A	A36 1991	N/A	Replace-	No
, 1 11466	30-153217	22777				ment	
3/4 x 10	M&E#	ASP#	N/A	HKBII	N/A	Replace-	No
Hilti Bolt	30-046281	23388		34-10		ment	
		<u>'</u>			-		TD 162
. Descripti	on of work Mc	dify Supp	ort 1-GC	S-R-109A in a	accordanc	e with I-DC	F-T03
. Test Condu	.cted: Hydrostat N/A 🗵	_	Pneuma	- /-		perating Pr est Temp	
				<b>9</b> •	ugod neo	wided (1) size	is 8-1/2 in.
OTE: Supplemen	tal sheets in form o	of lists, sk	etches, or	drawings may be included on ea	e usea, pro ch sheet. a	and (3) each s	heet is number

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1, 3120 to 1, 1) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

456-563

#### FORM NIS-2 (Back)

Remarks	Final VT and Fina	I MT and/or PT
	Applicable Manufacturer's Data Re	ports to be attached
	Ref. JO: C205969-01	Design Change: 1-DCP-163
	Ref. 60: 6263363 61	
	- ' /D - l Dlom - C20	EGGG_G1 TGT Clagg: 3
	Repair/Replacement Plan: C20	5969-01 151 Class. 5
	CERTIFICATE OF COM	PLIANCE
We ce	ertify that the statements made in the	report are correct and this
REPLACE	EMENT conforms to the rules o	f the ASME Code, Section XI.
Repair o	or replacement	
_		
Type Cod	de Symbol Stamp <u>N/A</u>	
	or and the Market NIA	Expiration Date N/A
Certific	cate of Authorization No. N/A	EXPITACION BACC
	. /	·
	DAWMANE IMMOUS SMUMPS COMMENT OF OWNER'S DESIGNEE, Title	
' Gianod '	DOUNNING TIME OF STATE OF THE IS	pate /-/9-0/ , 20 01
Signed _	Owner or Owner's Designee. Title	
	Owner of owner sozesty.	
<u> </u>		
	CERTIFICATE OF INSERVI	CE INSPECTION
		the Mational Board of Boiler
I, the ur	ndersigned, holding a valid commission	issued by the National Board of Boiler
And Press	sure Vessel Inspectors and the State of	Province of Michigan and employed
by FAC	TORY MUTUAL INSURANCE Co. of	Owner's Report during the period
Have insp	pected the components described in this	state that to the hest of my knowledge
10-9-9	to 01-22-01, and s	as and taken corrective measures
and belie	ef, the Owner has performed examinationed in this Owner's Report in accordance	with the requirements of the ASME
described	d in this Owner's Report in accordance	with the reduction
Dec aias	ection XI. ming this certificate neither the Inspe	ector nor his employer makes any
By Sigi	, expressed or implied, concerning the	examinations and corrective measures
Doggribe	d in this Owner's Report. Furthermore	, neither the inspector nor his
Employer	- chall he liable in anv manner for any	personal injury of property damage of
a loss of	of any kind arising from or connected w	ith this inspection.
a 1055 0	and and an and an and an and an	
	1 1	7.4-
ma	Mustingually Commissions Mich	0055, ENYNGZ
Inspe	ector's Signature Nation	al Board, State, Province, Endorsements
	~ /	al Board, State, Province, Endorsements
Date J.	av 22 20 01	
1		

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:10-18-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205969-02
	One Cook Place, Bridgman, MI 49106	Component# 1-GCS-V-108A
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	<u>ment</u>
4.	Identification of System: <u>CVCS</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GCS-V-108A						
1 /2 X6 X 15	ASTM A-36 –93A	NA	M&E 30153149	NA	REPLACED	NO
FLAT BAR	·		ASP 23198			
HILTI BOLT	KB II	NA	M&E 30046270 ASP 22889	NA	REPLACED	NO
	\					

7.	Hydrostatic NA	Pneumatic N/A N	Iominal Operating Pressure	
	NDE: MT/VT-3	Pressure: psi	Test Temperature	F.

Description of work: MODIFIED HANGER 1-GCS-V-108A AND HAD MT AND VT-3
PERFORMED

Job Order/File: <u>C0205969-02</u>	ISI Class 2
CERTIFICATE OF C	OMPLIANCE
We certify that the statements made in the representation conforms to the rules of the ASME	port are correct and this repair and/or Code, Section XI repair or replacement.
Type Code Symbol StampNA	
Certificate of Authorization No. NA Signed: Dewayne Timmons, welding supervise	Expiration Date <i>NA</i>
Signed: Dewayne Timmons, welding supervision	sor Date - 18-01
Owner or Owner's De	esignee, Title
CERTIFICATE OF INSER	VICE INSPECTION
I, the undersigned, holding a valid commission is Pressure Vessel Inspectors and the State or Proving FMIC of Johnston R I.  have inspected the components described in	idence of Michigan and employed by
belief, the Owner has performed examinations in this Owner's Report in accordance with	and taken corrective measures described
By signing this certificate neither the Ins warranty, expressed or implied, concerning the described in this Owner's Report. Furthermore shall be liable in any manner for any personal in kind arising from or connected with this inspect	examinations and corrective measures e, neither the Inspector nor his employer ijury or property damage or of loss of any
Inspector's Signature Commissions	National Board, State, Province, Endorsements
Date: Jan 22	

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

-		
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-19-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205969-04
	One Cook Place, Bridgman, MI 49106	Component# 1-GCS-L-107A
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment .
4.	Identification of System: CVCS	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	d and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GCS-L-107A						
WELD ROD	E 7018	NA	M&E 30044315 ASP 23546	NA	REPAIRED	NO
	-					

7.	Hydrostatic NA	Pneumatic N/A N	ominal Operating Pressure	
	NDE: MT/ VT-3	Pressure: psi	Test Temperature	F.

Description of work: COMPLETED FIELD WELDS 1-4 AND HAD MT/VT-3 PERFORMED.

Job Order/File: C0205969-04	ISI Class 2
	COMPLIANCE
CERTIFICATE OI	CUMPLIANCE
We certify that the statements made in the replacement conforms to the rules of the ASM	report are correct and this repair and/or ME Code, Section XI repair or replacement.
Type Code Symbol Stamp	VA
Certificate of Authorization No	Expiration Date NA
Signed: Dewayne Timmons, welding super	rvisor Date [-18-0]
Owner or Owner's	s Designee, Title
CERTIFICATE OF INSI	
I, the undersigned, holding a valid commission Pressure Vessel Inspectors and the State or Pressure Vessel Inspectors and In	n issued by the National Board of Boller royidence of Michigan and employed by
FMIC of Johnston R I.	Ovidence of infomgan and employee ey
have inspected the components described	in this Owner's Report during the period
10/1. /10 to 01/27/01 and	state that to the best of my knowledge and
belief, the Owner has performed examination in this Owner's Report in accordance wi	ons and taken corrective measures described
Section XI	in the requirements of the reside code,
By signing this certificate neither the	Inspector nor his employer makes any
warranty, expressed or implied, concerning the	ne examinations and corrective measures
described in this Owner's Report. Furtherm shall be liable in any manner for any personal	ore, neither the inspector nor his employer
kind arising from or connected with this inspe	ection.
M. Mutershauel Commission	National Board, State, Province, Endorsements
Inspector's Signature	National Board, State, Province, Endorsements
Date: Jav zz	19/2001

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

461-563

Name 0 Fort Wayne Addre COOK NUCLEAR Nam Place, Bridgmanded by Install	ss POWER F e an, MI 4 ss	PLANT	Unit	1 · ·		
Addre COOK NUCLEAR Nam Clace, Bridgm Addre med by Install	ss POWER F e an, MI 4 ss	PLANT	<del>-</del>	# 1		
Nam Place, Bridgm Addre med by Install	e an, MI 4 ss		<del>-</del>	# 1		
lace, Bridgm Addre ned by Install	an, MI 4 ss	9106				
Addre ned by <u>Install</u>	SS	9106				
ned by <u>Install</u>				05970-0		
	ation Se				No., Job	
	ucion b	ervices			ol Stamp N	<u>/ A</u>
	Name				10. <u>N/A</u>	
s #2			Expira	tion Dat	e <u>N/A</u>	
Addre						
on of System	Main St	eam				
e Const. Code	B31.1	19 8	3Ed., N/	AAdd	N/A C	ode Case
e Edition of Se	ction XI	Utilized	for Repairs	or Repla	acements 198	39
on of Component	s Repaire	d or Rep	laced and Re	placement	Components	
					Repaired	ASME
£	Manuf	37 - 4-	Other		_	Code Stamped
			Identi-	Year		Yes (Yes
Manuraccurer			1	Built	_	or No)
26677.				NI/A		No
		N/A	A30 1930	N/H	ment	
30-153016	102/1					
McE#	ASP#	N/A	SA193	N/A	Replace-	No
		,	Grade B7		ment	
		N/A	A194	N/A	Replace-	No
		,	Grade 8		ment	-
		N/A	SA 194	N/A	Replace-	No
			Grade 2H		ment	
-						
				<del> </del>		
n of work <u>Mod</u>	ify Main S	Steam Har	nger 1-GMS-R-	294 in a	ccordance w	ith 1-DCP-1
red: Hydrostat:						
	on of System e Const. Code e Edition of Se on of Component  Name of Manufacturer  M&E# 30-153018  M&E# 30-211610  M&E# 30-046914  M&E# 30-211880  n of work Mode ced: Hydrostat N/A	e Const. Code B31.1 e Edition of Section XI on of Components Repaire  Name of Manuf. Serial No.  M&E# ASP# 30-153018 18271  M&E# ASP# 30-211610 21390  M&E# ASP# 30-046914 10713  M&E# ASP# 30-0211880 23319  n of work Modify Main Seed: Hydrostatic N/A Other Call Sheets in form of lists, ske	e Const. Code B31.1 19 8 e Edition of Section XI Utilized on of Components Repaired or Rep  Name of Manuf. Nat. Serial Board No. No.  M&E# ASP# N/A 30-153018 18271 N/A 30-211610 21390 N&E# ASP# N/A 30-046914 10713 N&E# ASP# N/A 30-211880 23319 N/A  def: ASP# N/A 30-211880 PH N/A 30-21880 PH N/A 30-21880 PH N/A	on of System	con of System         Main Steam         ASM           e Const. Code         B31.1         19 83Ed., N/A add.           e Edition of Section XI Utilized for Repairs or Replaced on Gone Components Repaired or Replaced and Replacement         Other           Name of Manuf. Nat. Serial Board No. No. Fication Built         McE# Year Built           M&E# ASP# N/A A36 1990 N/A         N/A           30-153018 18271         ASP# N/A SA193 N/A Grade B7           M&E# ASP# N/A Grade B7         N/A Grade B7           M&E# ASP# N/A A194 N/A Grade B7         N/A Grade B7           M&E# ASP# N/A Grade B7         N/A Grade B7           M&E# ASP# N/A Grade B7         N/A Grade B7           M&E# ASP# N/A SA 194 Grade B7         N/A Grade B7           M&E# ASP# N/A Grade B7         N/A Grade B7	On of System         Main Steam         ASME CODE CL           e Const. Code         B31.1         19         83Ed., N/A Add. N/A Combo           e Edition of Section XI Utilized for Repairs or Replacements 198         On of Components Repaired or Replaced and Replacement Components           Name of Manuf. Serial Board Identi- No. No. Fication No. No. Fication Built ment         Year Replaced or Replac

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. X in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

#### FORM NIS-2 (Back)

Remarks Final VT and MT
Applicable Manufacturer's Data Reports to be attached
Ref. JO: C205970-01 Design Change: 1-DCP-163
Density/Density Remont Plans C205070_01 ISI Class 3
Repair/Replacement Plan: C205970-01 ISI Class 3
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <a href="REPLACEMENT">REPLACEMENT</a> conforms to the rules of the ASME Code, Section XI. Repair or replacement
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Through Chamas 1-30- 20 01
Signed Mulay Manner's Manir Super Welding Date 1-30-, 20 01 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler And Pressure Vessel Inspectors and the State or Province of Michigan and employed by FACTORY MUTUAL INSURANCE Co. of Johnston, R.I. 02919  Have inspected the components described in this Owner's Report during the period on belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME
Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any Warranty, expressed or implied, concerning the examinations and corrective measures Described in this Owner's Report. Furthermore, neither the Inspector nor his Employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions Mich 0055, End NET  National Board, State, Province, Endorsements
Date Jan 31 20 01

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

463-563

Owner AMER	CAN ELECTRIC	POWER C	COMPANY	Date	January	24, 2001	
P.O. Box 6	Name 50 Fort Wayne	. IN 46	801	Sheet	1	of 2	-
	Addre			<del></del>	<del></del>	· · · · · · · · · · · · · · · · · · ·	
2. Plant D.C.	COOK NUCLEAR	POWER F	LANT	Unit _	# 1		
			0106	an an	OE070 C	١٥	
One Cook I	Place, Bridgm		9106		05970-0		NT- cha
	Addre					No., Job	
3. Work Perfor	med by <u>Install</u>	ation Se	ervices			ol Stamp <u>N</u>	/ A
	·	Name		Author	ization N	10. <u>N/A</u>	
Same a	.s #2			Expira	tion Dat	e <u>N/A</u>	
	Addre	ess					
. Identificat:	ion of System	Main St	eam			IE CODE CL	
. (a) Applicab	le Const. Code	B31.1	19 8	3Ed., N/	A Add.	N/A C	ode Case
(h) Applicah	le Edition of Se	ection XI	Utilized	for Repairs	or Repla	acements 198	39
5. Identificat:	ion of Component	s Repaire	d or Rep	laced and Re	placement	Components	5
,, 100.0111000	<u> </u>	<u> </u>				Repaired	ASME
_				Other		Replaced	Code
Name of	Name of	Manuf.	Nat.		į	or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-GMS-R-805	M&E#	ASP#	N/A	A36 1991	N/A	Replace-	No
1/2 x 4 Flat	30-153148	23740	·			ment	
Bar							Ì Ì
1/4 x 2-1/2	M&E#	ASP#	N/A	A36-1990	N/A	Replace-	No
Flat Bar	30-153128	23348				ment	
		<u> </u>					
						<u> </u>	
							<del> </del>
					ļ		
			_			İ	
7. Descriptio	n of work _ Mod	ify Main S	Steam Har	ger 1-GMS-R-	805 in a	ccordance w	ith 1-DCP-16
8. Test Conduc	ted: Hydrostat N/A 🗵	ic [	Pneumat ] Press		_psi Te	perating Pre	N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

#### FORM NIS-2 (Back)

t Tija T	vii and	IvI T	
Appl	icable Ma	anufacturer's	Data Reports to be attached
- c	<b>TO GO</b>	05050 00	Daview Charges 1 DCD 163
Rei.	JO: C2	05970-02	Design Change: 1-DCP-163
Repa	ir/Repla	acement Plan	: C205970-02 ISI Class 3
		CERTIFICATE	OF COMPLIANCE
ENT	co	atements made nforms to the	in the report are correct and this rules of the ASME Code, Section XI.
Symbol	Stamp	N/A	
ite of A	uthorizat	ion No. N/	A Expiration Date N/A
PHARMINE	Timmen.	S MAINT DURY WE	Adomy Date 2.26 - , 20 01
	CE	RTIFICATE OF	INSERVICE INSPECTION
the Vesse of MUTULected the control of this cion XI. ing this expressin this shall be any king	el Inspect AL INSURA e compone to z wner has Owner's certific ed or imp Owner's liable i d arising	tors and the S NCE Co.  nts described 27-0/ performed exam Report in acco ate neither the lied, concerni Report. Furth n any manner f from or conne	in this Owner's Report during the period , and state that to the best of my knowledge minations and taken corrective measures ordance with the requirements of the ASME ne Inspector nor his employer makes any ing the examinations and corrective measures mermore, neither the Inspector nor his for any personal injury or property damage or
	0		
	Ref.  Repa  Ref.  Repa   Ref. JO: C2  Repair/Repla  Tify that the st  ENT	Ref. JO: C205970-02  Repair/Replacement Plan  CERTIFICATI  tify that the statements made conforms to the replacement  Symbol Stamp N/A  Ate of Authorization No. N/  Owner or Owner's Designee, Tit  CERTIFICATE OF:  CERTIFICATE O	

### NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:11-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order#_C0205970-07
	One Cook Place, Bridgman, MI 49106	Component#_1-GMS-R-389
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: PIPING SUPPORT	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	d and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GMS-R-389						NO
3"X 3"X ¼" TUBE SEAMLESS	ASTM-A500 GR-B		M&E # 30-150169 ASP # 24495		REPLACED	NO
3"X 3"X ¼"TUBE	ASTM-A500		M&E # 30-150169		REPLACED	NO
SEAMLESS	GR-B		ASP # 22500			
½"X 6" STEEL	ASTM A-36-93A		M&E # 30-153149		REPLACED	NO
FLAT BAR	CARBON STEEL		ASP # 23198			
4" INSULATION	C.S. GRINNEL		TEMP M&E # 00=023169 -		REPLACED	NO
SADDLE	FIG 164		ASP # 24549			
			P.O. # 10656	·		

	Description of work	Modify supp	ort 1-GMS	S-R389, IAW DCP-163		
	NDE: VT,MT,PT	Pressure: 1	psi N/A	Test Temperature	F.	
7.	Hydrostatic N/A	Pneumatic	N/A Non	ninal Operating Pressure	_N/A_	-
					3.T/A	

Job Order/File: <u>C0209570-07</u> 151 Class 3
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Timmons, welding supervisor Date 1-30-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  \( \frac{9-7-00}{1-7-00} \) to \( \frac{021-01}{1-01} \), and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.    Maional Board, State, Province, Endorsements
Date: Jan 31 19 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:10-26-00		
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1		
	2. Plant: D.C.Cook Nuclear Power Plant	Job Order#C0205970-08		
	One Cook Place, Bridgman, MI 49106	Component# 1-GMS-R-803		
3.	Work Performed by: AEP/D.C. COOK Maintenance Dep	partment		
4.	Identification of System: Main Steam	·		
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed	. NO Add., Code Case N/A		
	(b) Applicable Edition of Section XI Utilized for Repairs	or Replacements: 1989, No Addenda		
6.	Identification of Components Repaired or Repla	ced and Replacement Components		

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GMS-R-803	N/A	N/A	EXISTING	N/A	REPAIRED	NO
	·					
						·

7.	Hydrostatic N/A	Pneumatic N/	A Nominal Operating Pressure	N/A
	NDE: N/A	Pressure: psi_N/A	Test Temperature	_ <b>F</b> .

Description of work: Modification of support # 1-GMS-R803, IAW DCP-163 Removed items #5 and #6 reference drawing # INT-1-GMS-R803 by grinding.

	Job Order/File: c0205970-08 ISI Class 3
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
	Type Code Symbol Stamp
	Certificate of Authorization No. NA Expiration Date NA
	Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title
L	Owner of Owner's Designee, Title
ſ	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.
	have inspected the components described in this Owner's Report during the period
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
	Inspector's Signature  Commissions  Michosof, Encl NET  National Board, State, Province, Endorsements
	Date: Feb 19 19 2001

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

469-563

. Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date _	January	24, 2001	<del></del>
P.O. Box	Name 60 Fort Wayne	. IN 46	801	Sheet	1	of 2	
1.01 2011	Addre	ess		. <u></u>			
2. Plant D.C.	COOK NUCLEAR		TIANT	Unit	# 1		
. Flanc D.C.	Nar						
One Cook	Place, Bridgm		19106	C2	:05970-0	) 9	
Olle Cook	Addre	acc	17100			No., Job	No., etc
manla Bassa	med by Install		emri ced	_		ol Stamp N	
. Work Perfor	med by Instal.		er Arcep			No. N/A	
		Name					
Same a	as #2			Expira	tion Dat	e <u>N/A</u>	
	Addre	ess			7.63	- aona ai	7000
Identificat	ion of System_ le Const. Code	Main St	eam Sys	stem	ASN	JE CODE CT	ASS 2
(a) Applicab	le Const. Code	B31.1	19 8	3Ed., N/	A Add.	N/A c	ode Case
(h) Annlicah	de Edition of Se	ection XI	Utilized	l for Repairs	or kepi	acements 19	09
Tdentificat	ion of Componen	ts Repaire	ed or Rep	laced and Re	placemen'	t Component	5
, Identificat	1		Γ			Repaired	ASME
		}		Other	<b> </b>	Replaced	Code
Name of	Name of	Manuf.	Nat.			or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-GMS-R-332	Temp M&E#	ASP#	N/A	Grinnell	N/A	Replace-	No
Insulation	00-023169	24549		Fig 164		ment	
Protection	00 02020						
Saddle							
3/8 x 2 Flat	M&E#	ASP#	N/A	A36-91	N/A	Replace-	No
Bar	30-153140	15946		<b>,</b>		ment	
./4 x 2-1/2	M&E#	ASP#	N/A	A36-1990	N/A	Replace-	No
Flat Bar	30-153128	23348	1			ment	
2 x 2 x 1/4	M&E#	ASP#	N/A	A500 Gr B	N/A	Replace-	No
Tube Steel	30-150165	23634		1990	· .	ment	
Tube beeci	30-130103	23031			<del>                                     </del>		·
			<del> </del>				
		ļ	ļ	<u> </u>			
							<u> </u>
							1-1- 1 DOD 1
. Description	on of work _ Mod	ify Main	Steam Har	iger 1-GMS-R-	332 in a	ccordance w	ith 1-DCP-1
		,					
						<del></del>	
. Test Conduc	cted: Hydrostat	ic 🗌	Pneumat	ic 🗌 N		perating Pre	
	n/a ⊠	Other [	7 Press	sure N/A	psi Te	est Temp	N/A °F
			<del>-</del> .				
OTE . C	al sheets in form o	f lista ske	etches or	drawings mav be	used, prov	rided (1) size	is 8-1/2 in.
TE: Supplement:	on in items 1 through	ah 6 on this	report is	included on each	h sheet, a	nd (3) each sh	eet is number

in., (2) information in items 1 through 6 on this report is and the number of sheets is recorded at the top of this form.

#### FORM NIS-2 (Back)

. Remarks	Final	VT and	MT		
- · · · -	App	licable M	anufacturer's l	Data Reports to	be attached
	Ref.	JO: C2	05970-09	Des	ign Change: 1-DCP-163
	Repa	ir/Repla	acement Plan	: C205970-09	ISI Class 3
		_,			
			CERTIFICATE	OF COMPLIANCE	
We cer	ctify th	at the st	atements made	in the report a	are correct and this
REPLACE	MENT	co	nforms to the	rules of the AS	EME Code, Section XI.
Repair o	r replac	ement			
Trmo Code	a Gimbol	Stamp	NI / Z		
Type Code	s sammor	scamp	N/A		
Certifica	ate of A	uthorizat	ion No. N/	A Expir	ration Date N/A
	$\overline{}$		,	- vellia.	
Signed	Tuvan	& Jemm	P MAINIO	Suprusiding /	- 30 - , 20 01
			Designee, Tit	<u> Te</u>	
	-DEU	VAUNETI	MMONS		
		/			
		C	ERTIFICATE OF	INSERVICE INSPE	CTION
	_		<b>*</b> * * * * * * * * * * * * * * * * * *		the Wational Board of Roiler
I, the unc	dersigne	d, holdin	g a valid comm	ussion issued i	by the National Board of Boiler ce of <u>Michigan</u> and employed
ት፣፣ <b>Ε</b> ΣΟΎ	רדידוות עם∩	AT. THISTIP	NCE CO	of Johnst	ton, R.I. 02919
Harra inan	oatod th	e compone	nte described	in this Owner's	Report during the period
9 . 7 . 00	7	to a	1-31-01	. and state tha	at to the best of my knowledge
l and halie	f the C	omer has	nerformed exam	unations and ta	aken corrective measures
described	in this	Owner's	Report in acco	ordance with the	e requirements of the ASME
Code, Sec	tion XI.		nata naither th	e Inchector no	r his employer makes any
By sign	ing this	ed or im	ale nerther th	ng the examinat	tions and corrective measures
Described	in this	.eu or imp	Report. Furth	ermore, neithe:	r the Inspector nor his
Employer	shall be	e liable i	in any manner f	or any persona.	I injury or property damage of
a loss of	any kir	d arising	from or conne	ected with this	inspection.
		1			·
net a net	/_/	A.	Commigations	Nes 1 0055	and not
Inches	tor's Si	anature	COMMITS TOTAL	National Board	End pit , State, Province, Endorsements
Inspec	//	Phacarc			
Date Ja	N 31		20_01		

1. Owner: <u>AMERICAN ELECTRIC POWER</u>

Date Performed: 09-13-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0206081-02

One Cook Place, Bridgman, MI 49106

Component# 1-IMO-910

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>REFUELING WATER STORAGE TANK</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-910						
Wedge	A351 Grade CF8	FLOWSERVE	TEMP# 00-022991  •ASP# 24460	N/A	REPLACED	NO
MOD KIT  Bonnet	A351 Grade CF8	FLOWSERVE	TEMP# 00-012431 -ASP# 24317 PO#2494	N/A	REPLACED	NO
Mod Kit Disc	A351 Grade CF8	FLOWSERVE	TEMP# 00-012431 'ASP# 24317 PO#2494	N/A	REPLACED	NO
Mod Kit Stem	SA-564	FLOWSERVE	TEMP# 00-012431 ASP# 24317 PO#2494	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nominal Operating Pressure XN/A: NDE: PT
Pressure: psi	Test Temperature	<u>F.</u>

Description of Work: The valve was repaired using a new modification kit, and reworked wedge. A VT-2 test was also preformed.

Job Order/File: C0206081-02

ISI CLASS 2

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp NA
Certificate of Authorization No. MA Expiration Date AM  Signed: Dewayne Timmons Maint. Welding Supervisor Date Z-19-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period have inspected to 10 10 10 10 10 10 10 10 10 10 10 10 10
Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.    Make 10055   Endowstern     National Board, State, Province, Endorsements
Date: Feb 20 18 2001

6.

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date_Performed: 09-14-00 Owner: AMERICAN ELECTRIC POWER 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0206081-06 Plant: D.C.Cook Nuclear Power Plant 2. Component# 1-IMO-910 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. Identification of System: _RWST 4. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-910	N/A	N/A	EXISTING	N/A	REPAIRED	NO
·						

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: PT
Pressure: psi	Test Temperature	<u>F.</u>	

**Description of Work**:1-IMO-910 wedge throat and Stem T-head were machined . QC performed a PT inspection.

Job Order/File: C0206081-06 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint! Welding Supervisor Date /-/5-0/ Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period   \[ \frac{3-12-00}{1-12-01} \] to \[ \frac{01-12-01}{1-12-01} \], and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  \[ MATTALLEGATION FOR THE PROVINCE

<del></del>		
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_09-13-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u>#_C0206082-01</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-IMO-911
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	<u>ment</u>
4.	Identification of System:REFUELING WATER STO	RAGE TANK
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: NA
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-911						
WEDGE	A351 GR- CF8	FLOWSERVE	TEMP# 00-022991	N/A	REPLACE	NO
			'ASP# 24460 PO#10150		D	
MOD KIT	A351 GR-CF8	FLOWSERVE	TEMP#00-012431	N/A	REPLACE	NO
BONNET			ASP# 34317 PO#2494		D	
DISC	A351 GR-CF8	FLOWSERVE	TEMP# 00-012431	N/A	REPLACE	NO
			ASP# 24317 PO#2494		D	
STEM	SA -564	FLOWSERVE	TEMP# 00-012431	N/A	REPLACE	NO
			'ASP# 24317 PO#2494		D	

7.	Hydrostatic <u>NA</u>	Pneumatic	N/A Nominal Operating	g Pressure X PT
	NDE:	Pressure: psi	Test Temperature	F.

Description of work: The valve was repaired using a new modification kit, and and a reworked wedge. A VT-2 exam was done also.

Job Order/File: C0206082-01 ISI Class 2

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement conforms</u> to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons, welding supervisor Date Z 1901
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period \$\frac{9-13-00}{2-20-01}\$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  MATHEMATICAL Commissions Mechooss End Note Inspector's Signature  Date: Feb 20 19 200 i

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Øwner: AMERICAN ELECTRIC POWER	Date_Performed: 09-14-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0206082-04
	One Cook Place, Bridgman, MI 49106	Component#_1-IMO-911
3.	Work Performed by: AEP/D.C. COOK Maintenance Dep	<u>partment</u>
4.	Identification of System: <u>REFUELING WATER STOR</u>	RAGE TANK
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 E	Ed. NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs	or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-911	N/A	N/A	EXISTING	N/A	REPAIRED	NO
				:		

7. Hydrostatic <u>NA</u>	Pneumatic: NA Nomial Or	perating Pres	sure:VT-2 NDE:PT
Pressure: psi	Test Temperature	<u>F.</u>	

**Description of Work**: The valve was repaired using a machined wedge and stem. A PT was preformed per NC2546 1986 ED. A VT-2 was also performed.

Job Order/File: C0206082-04 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date NA  [ July ] Annual Expiration Date 1211-00	
Signed: Dewayre Timmons Maint. Welding Supervisor Date 12-11-00  Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period   \[ \frac{7-12-00}{2-13-00} \] to \[ \frac{12-13-00}{2-13-00} \], and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  \[ MADIMAND ALLES AL	
Duto. De Commercial in	<u> </u>

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0206188-02</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-IMO-330
3.	Work Performed by: AEP/D.C. COOK Maintenance De	epartment
4.	Identification of System: <u>RESIDUAL HEAT REMO</u>	VAL
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983	Ed. NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repai	rs or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-330	N/A	N/A	EXISTING	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic	NA_	Nomial Operating Pressure: N/A	NDE: PT
Pressure: psi	Test Tem	nperati	are F.	

Description of Work: QC inspected the hole & the dimensions of the machined stem. A

PT exam was performed per ASME Section III NC2546 1986 Ed. No Addenda.

Job Order/File: C0206188-02 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Timmons Maint. Welding Supervisor Date 12-13-60  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period to 12-17-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Commissions  National Board, State, Province, Endorsements
Date: Dreember 14 15 2000

31

1.	Owner: AMERICAN I	ELECTRIC POW	ER Date_F	Date_Performed: 8-23-00			
	P.O. Box 60 Fort Wayn	e IN 46801	Unit#	Unit# 1			
2.	Plant: D.C.Cook Nucle	ar Power Plant	Job O	rder <u>#C0206190-</u>	02 &C0057231	<u>03</u>	
	One Cook Place, Bridg	man, MI 49106	Compo	nent <u>#_1-IMO-3</u>	31		
3.	Work Performed by: A	EP/D.C. COOK M	aintenance Department				
4.	Identification of System	m: <u>CONTAINM</u>	ENT SPRAY	<del></del>			
<u>5.</u>	(a) Applicable Constru	ction Code: ANSI-	B31.1-1983 <u>Ed. NO Ac</u>	ld., Code Case:	<u>NA</u>		
	(b) Applicable Edition	of Section XI Utili	zed for Repairs or Replace	nents <u>: 1989, No</u>	Addenda		
6.	Identification of Co	mponents Repai	ired or Replaced and R	eplacement C	omponents		
me of mponent	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stampe Yes/No	
MO-331							
SC	ASTM A351-CF8M	NA	M&E 30-033708 ASP 13878	NA	REPLACED	NO	

Description of work: The new disc was drilled and QC was present for a PT exam.

Pressure: psi

Test Temperature F.

NDE: PT

Job Order/File: C0206190-02 & C0057231-03 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date
Signed: Dewayne Jimmons, welding supervisor Date Z-27-07  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC of Johnston R I. have inspected the components described in this Owner's Report during the period 3-22-00 to
Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Commissions  Mich 2055, End NEF  National Board, State, Province, Endorsements
Date: Feb 28 19 2001

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 09-18-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0206385-02</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-IMO-261
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	<u>nent</u>
4.	Identification of System: <u>REFUELING WATER STORAG</u>	E TANK SUPPLY

- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case:
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-261					,	
MOD KIT		FLOWSERVE	TEMP# 00-012431 ASP# 24317 PO# 2494	N/A	REPLACED	NO
YOKE	ASME# A-351 GR-CF8	FLOWSERVE	ASP# 24317	N/A	REPLACED	NO
STEM	ASME# A-564- 630-1075	FLOWSERVE	ASP# 24317	N/A	REPLACED	NO
DISC	ASME# A-351- CF8&COCR	FLOWSERVE	ASP# 24317	N/A	REPLACED	NO
BONNET	ASME# A-351- CF8	FLOWSERVE	ASP# 24317	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic	NA	Nomial Operating Pressure VT-	· <u>2</u>	NDE:	
Pressure: psi	Test T	emper	ature F.			

Description of Work: The valve was repaired with a modification kit

Job Order/File: C0206385-02 ISI CLASS 2

(yoke,stem,disc,bonnet). A VT-2 exam was done also.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date /-/0-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period 9-13-00 to 01-12-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature  Commissions  National Board, State, Province, Endorsements
Date: fan. 12 18 2001

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_09-18-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# C0206385-02
	One Cook Place, Bridgman, MI 49106	Component#_1-IMO-261
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
<u>4.</u>	Identification of System: <u>REFUELING WATER</u>	
<u>5.</u>	a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-261						
MOD KIT		FLOWSERVE	TEMP# 00-012431 ASP# 24317 PO# 2494	N/A	REPLACED	NO
STEM	SA-564	FLOWSERVE	•ASP# 24317	N/A	REPLACED	NO
DISC	ASME# A-351- CF8	FLOWSERVE	ASP# 24317	N/A	REPLACED	NO
BONNET	ASME# A-351- CF8	FLOWSERVE	'ASP# 24317	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic	NA	Nominal (	Operating Pressure	VT-2	NDE:	
Pressure: psi	Test T	emper	ature F.				

Description of Work: The valve was repaired with a modification kit (stem, disc, bonnet). A VT-2 exam was done also.

Job Order/File: C0206385-02 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Certificate of Authorization No. NA Expiration Date M  Signed: Dewayre Tinimons Maint. Welding Supervisor Date 2-15-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period elief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Manual Manual Commissions  National Board, State, Province, Endorsements
Date: F= b 20 19 2001

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_09-13-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># C0206385-09</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-IMO-261
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: REFUELING WATER STORAGE	<u>GE TANK</u>
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-IMO-261	N/A	N/A	EXISTING	N/A	REPAIRED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: MT
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: Machined valve wedge QC preformed a liquid penetrant exam.

Job Order/File: C0206385-09 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement conforms</u> to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. <u>NA</u> Expiration Date <u>NA</u> Signed: Dewayne Timmons Maint. Welding Supervisor Date <u>1-2-0</u> Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period \$\frac{9-12-00}{2-2-01}\$ to \$\frac{2-2-01}{2-2-01}\$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Mathematical Commissions  National Board, State, Province, Endorsements  Date: \$\frac{12-01}{2-01}\$ National Board, State, Province, Endorsements

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 10-28-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order <u>#C0206585-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-MCM-221_
3.	Work Performed by: AEP/D.C. COOK Maintenance Depar	tment
4.	Identification of System: MAIN STEAM	<del></del>
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO Add., Code Case:N416-1
	(b) Applicable Edition of Section XI Utilized for Repairs or	r Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	d and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-MCM-221						NO
GLOBE VALVE 4" 900LB	SA 351 Grade CF8M		TEMP M&E # 12379  ASP # 24346		REPLACED	NO
PIPE C.S. 4" SCHEDULE 80 SEAMLESS	ASME SA-106 GR-B		M&E # 30-014985 ASP # 18219		REPLACED	NO

7.	Hydrostatic N/A	Pneumatic	N/A No	minal Operating Pressure	VT-2
				<u> </u>	
	NDE: MT,PT,RT	Pressure: psi	N/A	Test Temperature	F.

Description of work: Remove valve 1-MCM-221, install new per DCP-4700

Job Order/File: c0206585-01	ISI Class 2
CERTIFICATE OF COM	IPLIANCE
We certify that the statements made in the report replacement conforms to the rules of the ASME Conforms to the rules of the rules of the rules of the ASME Conforms to the rules of the r	are correct and this repair and/or de, Section XI repair or replacement.
Type Code Symbol Stamp	
Certificate of Authorization No.	_ Expiration Date
Signed: Dewayne Timmons, welding supervisor Owner or Owner's Design	Date 2-16-01
Owner or Owner's Design	ce, The
CERTIFICATE OF INSERVIO	CE INSPECTION
I, the undersigned, holding a valid commission issued Pressure Vessel Inspectors and the State or Provident FMIC of Johnston R I.  have inspected the components described in this obelief, the Owner has performed examinations and in this Owner's Report in accordance with the respection XI  By signing this certificate neither the Inspect warranty, expressed or implied, concerning the example described in this Owner's Report. Furthermore, neither the Inspection of the state of the sta	Owner's Report during the period hat to the best of my knowledge and taken corrective measures described requirements of the ASME Code, for nor his employer makes any minations and corrective measures either the Inspector nor his employer or property damage or of loss of any
Date: Feb 22	8 2001

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 11-06-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#C0206587-01
	One Cook Place, Bridgman, MI 49106	Component# 1-MCM-231
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: MAIN STEAM	
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: N-461-1
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6	Identification of Companents Repaired or Replaced	and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-MCM-231						
4" PIPE SCH (80)	ASME# SA-106	N/A	M&E# 30-14985	N/A	REPLACED	NO
	GR-B		ASP# 18219			
4" VALVE	ASME# SA-351	CRANE	TEMP# 00-012379	N/A	REPLACED	NO
	GR- CF8M		ASP# 24346 PO#2426			

7	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressure	RT/PT
••				
	NDE: VT-2	Pressure: psi	Test Temperature I	₹.

492-563

Page 2 of 2

Description of work: THE OLD VALVE WAS REMOVED AND THE NEW ONE INSTALLED.NEW PIPE WAS ALSO USED . A VT-2 & FINAL PT /RT WERE DONE. REFERANCE AR/1073006 IN ECAP FOR LOST WELD DATA SHEET.

Job Order/File C0206587-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period
Date: Mazch 14 2001

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_9-18-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: D.C.Cook Nuclear Power Plant	Job Order <u>#C0207062-01,PAGE 1</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-CCM-453
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: COMPONENT COOLIN	IG WATER
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO Add., Code Case: N-416-1
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	d and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CCM-453						1,0
4" VALVE GLOBE	ASTM SA-351		TEMP. 00-12377		REPLACED	NO
1750 LB	CF8M-WCB		ASP # 24346			
			PO# 2426			,
4"PIPE SEAMLESS	ASME SA-376		M&E # 30-019223		REPLACED	NO
SCH. 120	GR-TP-316		ASP-1093			
4" ELBOW -BW	ASME SA-403		M&E # 30-019479		REPLACED	NO
90DEG.SCH. 120	GR WP-S-316	-	ASP # 677			
1" ELBOW-SW	SA-192		M&E # 30-017262		REPLACED	NO
90DEG6000LB	GR-F304		ASP # 24231			
4"X 1"	SA-182		M&E # 00-22117		REPLACED	NO
WELDING BOSS	GR-F304		ASP # 24308			
6000LB						

7. Hydrostatic N/A Pneumatic N/A Nominal Operating Pressure VT-2

494-563

### 9FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:9-18-00_
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order <u>#C00207062-01,PAGE 2</u>
•	One Cook Place, Bridgman, MI 49106	Component# 1-CCM-453
3.	Work Performed by: AEP/D.C. COOK Maintenar	ace Department
4.	Identification of System: COMPONENT C	OOLING WATER
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1</u>	983 Ed. NO Add., Code CaseN-416-1:
	(b) Applicable Edition of Section XI Utilized for	Repairs or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or	Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CCM-453			·			NO
1" PIPE SEAMLESS SCH. 160	ASME SA-376 GR-TP-304		M&E # 30-016809 ASP # 10718		REPLACED	NO
1" PIPE CAP THREADED 6000LB	ASME SA-182 GR F-304		M&E # 30-019653 ASP # 11741		REPLACED	NO

7.	HydrostaticN/A	Pneumatic	N/A Nominal Operation	ng Pressur	e VT-2	
	NDE: FITTUP/VT, F	NAL-PT/RT	Pressure: psi	N/A	Test	
	Temperature	F.				
	Description of work:	Replace exist	ting valve 1-CCM-453			

Job Order/File: C0207062-01	ISI Class 2
	OF COMPLIANCE
CERTIFICATE	OF COMPLIANCE
We cortify that the statements made in	the report are correct and this repair and/or
ranlacement conforms to the rules of the A	ASME Code, Section XI repair or replacement.
replacement comorms to the rules of the ri	ionin code, section in repair of repairment
Type Code Symbol Stamp	<i>JA</i>
• •	0.4
Certificate of Authorization No.	Expiration Date <u>NA</u>
Dewayne James	
Signed: Dewayne Timmons, welding su	pervisor Date 2-1901
Owner or Own	ner's Designee, Title
CERTIFICATE OF IN	NSERVICE INSPECTION
I, the undersigned, holding a valid commis	ssion issued by the National Board of Boiler
	Providence of Michigan and employed by
FMIC of Johnston R I.	
have inspected the components describ	ed in this Owner's Report during the period
8-22-00 to 2-22-01, a	and state that to the best of my knowledge and
belief, the Owner has performed examina	ations and taken corrective measures described
in this Owner's Report in accordance	with the requirements of the ASME Code,
Section XI	
By signing this certificate neither the	he Inspector nor his employer makes any
warranty, expressed or implied, concerning	g the examinations and corrective measures
described in this Owner's Report. Further	ermore, neither the Inspector nor his employer
	onal injury or property damage or of loss of any
kind arising from or connected with this in	aspection.
my Materspang - Commiss	National Board, State, Province, Endorsements
Inspector's Signature	National Board, State, Province, Endorsements
-	18 200 /
Date: Feb 22	18 200 /

Date_Performed: 9-29-00 Owner: AMERICAN ELECTRIC POWER 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# C0207066-02 Plant: D.C.Cook Nuclear Power Plant 2. Component# 1-CCM-454 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. Identification of System: COMPONENT COOLING WATER_ 4. (a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Case: N-416-1 <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CCM-454						
GLOBE VALVE	SA 351 Grade CF8M	CRANE	TEMP M&E 00-012377	NA	REPLACED	NO
			ASP 24347 '			
REDUCER	SA 479 Type 316	NA	TEMP#00-022412	NA	REPLACED	NO
SCH120-			ASP 24174 ·			
SCH40			PO# 10729			
PIPE	ASME SA-376	NA	M&E 30-019223	NA	REPLACED	NO
	GR.TP 316		ASP 1093			
PIPE	ASME SA-106	NA	M&E 30-014964	NA	REPLACED	NO
	GR. B		ASP 22267 •			
BOSS FITTING	SA 182 Grade F304	NA	TEMP M&E 00-022117	NA	REPLACED	NO
			ASP 24308 •			

	TOTAL CONTROL POWER	Date Performed: 9-29-00
1.	Owner: AMERICAN ELECTRIC POWER	
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u>#_C0207066-02</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-CCM-454
3.	Work Performed by: AEP/D.C. COOK Maintenance D	epartment
4.	Identification of System: COMPONENT COOLING V	
5.	(a) Applicable Construction Code: ANSI-B31.1-1983 I	
	(b) Applicable Edition of Section XI Utilized for Repair	irs or Replacements: 1989, No Addenda
		load and Panlacement Components

### 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
PIPE	ASME SA-376	NA	M&E 30-016809	NA	REPLACED	NO
	GR. TP 316		ASP 10718			
ELBOW	ASME SA-403	NA	M&E 30-019479	NA	REPLACED	NO
	GR. WP-S316		ASP677			
ELBOW	ASME SA-234	NA	M&E 30-015932	NA	REPLACED	NO
	GR. WPB-S-316		ASP 25549			
ELBOW	ASME SA-182	NA	M&E 30-017262	NA	REPLACED	NO
	GR. F-304		ASP 24231			

7.	Hydrostatic_NA	Pneumatic	N/A Nominal Operating Pres	sure VT-2
	NDE: PT/MT/RT	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED VALVE AND PIPING, HAD PT/MT/VT-2 /RT PERFORMED

Job Order/File: C0207066-02 ISI Class 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date NA  Date 2-19-	01
Signed: Dewayne Timmons, welding supervisor Date Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period	

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the Asivie Code Section At	

1. Owner: <u>AMERICAN ELECTRIC POWER</u>

Date Performed: 9-27-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# C0207066-13

One Cook Place, Bridgman, MI 49106

Component# 1-ACCW-R-4032

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>COMPONENT COOLING WATER</u>
- 5. (a) Applicable Construction Code: ANSI-B31.1-1983 Ed. NO Add., Code Case: NA
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CCM-454						
STEEL	ASTM A500	NA	M&E 30-150169	NA	REPLACED	NO
TUBING	1990-		ASP 24282			
STEEL PLATE	ASTM A-36	NA	M&E 30-153217	NA	REPLACED	NO
	1991		ASP 21885			
STEEL	ASTM A500	NA	M&E 30-150169	NA	REPLACED	NO
TUBING	1990	:	ASP 22500		-	
STEEL PLATE	ASTM A-36-93A	NA	M&E 30-153190	NA	REPLACED	NO
			ASP 22650			
HILTI BOLTS	HKB II	NA	M&E 30-046274	NA	REPLACED	NO
			ASP 23845			

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operation	ng Pressure
				•
	NDE: MT	Pressure: psi	Test Temperature	F.

Description of work: INSTALLED HANGER AND HAD MT PERFORMED

Job Order/File: C0207066-13 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp <i>NA</i>
Certificate of Authorization No Expiration Date NA  Simple Data All States and Data All States are a supervised to the States and Data All States are a supervised to the States are a sup
Signed: Dewayne Timmon's, welding supervisor Date 16-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period
Date: Jav 31 18 2001

1.	Owner: AMERICAN ELECTRIC POWER	Date Performed:09-28-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order#_C0207067-01
	One Cook Place, Bridgman, MI 49106	Component# 1-CCM-458
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: COMPONENT COOLING WA	ATER
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 ED</u>	NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	d and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stampe d Yes/No
1-CCM-458						
VALVE 8" 150#	ASME SA-351	HENRY/PRATT	M&E # 30-042965	N/A	REPLACE	NO
BUTTERFLY	GR-CF8M		ASP # 24457	:	D	
3/4"x 4"-10 UNC	ASME SA-193	N/A	M&E # 30-211345	N/A	REPLACE	NO
CAP SCREW	GR B-7		ASP # 22580		D	
HEAVY HEX						

7.	Hydrostatic	N/A Pneumatic	N/A Nominal Operating Pressure	<u>VT-2</u>
	NDE:	Pressure: psi	Test Temperature F.	

Description of work: Replace existing valve, 1-CCM-458 with new valve.

Job Order/File: C0207067-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No Expiration Date
Signed: Dewayne Tiramons, welding supervisor  Owner or Owner's Designee, Title
Owner of Owner & Dougasos, 121.2
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period  **Johnston R I.**  have inspected the components described in this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Methodos, End Natl.  Inspector's Signature  National Board, State, Province, Endorsements
Date: F=6 28 19 2001

Date_Performed:09-07-00  Unit# 1  Job Order#_R0009812-01  Component#_1-GRC-S564  tment  M PIPING SUPPORT  NO_Add., Code Case:_N  r Replacements: 1989, No Adder  d and Replacement Component	<u>nda</u>
Unit# 1  Job Order#_R0009812-01  Component#_1-GRC-S564  tment  M PIPING SUPPORT  NO_Add., Code Case:_N	
Unit# 1  Job Order <u>#_R0009812-01</u> Component <u>#_1-GRC-S564</u> tment  M PIPING SUPPORT	<u> </u>
Unit# 1  Job Order <u>#_R0009812-01</u> Component <u>#_1-GRC-S564</u> tment	
Unit# 1  Job Order <u>#_R0009812-01</u> Component <u>#_1-GRC-S564</u> tment	
Unit# 1  Job Order <u>#_R0009812-01</u> Component <u>#_1-GRC-S564</u> tment	
Unit# 1  Job Order <u>#_R0009812-01</u>	
Unit# 1	
<del>-</del>	
Date Performed:09-07-00	
	-07-00_

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S564			•			
CONFIG. "A" KIT MODIFICATION	KIT MODIFICATION  "A" 2-1/2" BY 5"	GRINNELL	M&E # 30-040551 ASP # 22790	N/A	REPLACED	NO
7.	Hydrostatic N/A	Pneumatic N/A	Nominal Operating Pressure	N/A		

Hydrostatic_N/A	Pneumatic	N/A Nominal Operating I	Pressure	N/A
NDE:	Pressure: psi	Test Temperature	F.	
Description of we	ork: The upgrad	ded snubber was installed	with a nev	v modification kit. A
VT-3 exam was p	erformed on J.O	. # R14691-01.		

Job Order/File:R0009812-01 ISI Class 1
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. 1/A Expiration Date 1/A
Signed: Dewayne Jimmons, welding supervisorDate 2-28 Of Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period
Inspector's Signature National Board, State, Province, Endorsements  Date: Musch 2 18 2001

		•				
1.	Owner: AMERICAN EL	ECTRIC POWE	Date_Perfo	ormed <u>: 10-19</u> -	· <u>00</u>	
	P.O. Box 60 Fort Wayne	N 46801	Unit# 1			
2.	Plant: D.C.Cook Nuclear	Power Plant	Job Order	# R009813-0	1	
	One Cook Place, Bridgma	n, MI 49106	Component	t#_1-GRC-S57	73	
3.	Work Performed by: AEP	/D.C. COOK Main	tenance Department			
4.	Identification of System:	REACTOR COOL	ANT SYSTEM	<del>_</del> ′		
<u>5.</u>	(a) Applicable Construction	on Code: ANSI-B3	1.1-1983 <u>Ed.</u> <u>NO Add.</u> ,	Code Case: N	<u>IA</u>	
	(b) Applicable Edition of	Section XI Utilized	l for Repairs or Replacemen	ts <u>: 1989, No A</u>	ddenda	
6.	Identification of Com	ponents Repaire	d or Replaced and Repla	cement Con	nponents	
of	ASME,ASTM or	Name of	Material Identification:	Year built	Repaired	A

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S573						
A- KIT	Grinnell Fig 200/201 "A" Kit	GRINELL	M&E 30-040551 ASP 19552	NA	REPLACED	NO

7.	Hydrostatic NA	Pneumatic	N/A Nominal Operating Pressure	
	NDE: VT-3	Pressure: psi	Test Temperature	F.

**Description of work:** Inspected and Replaced Snubber with Rebuilt Snubber; Snubber rebuilt under Job Order R23862-01 and performed VT-3.

Job Order/File: R0009813-01 ISI Class 1							
CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.							
Type Code Symbol Stamp							
Certificate of Authorization No Expiration Date							
Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title							
0.12222222222							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period							

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_07-12-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0014679-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-GRC-S-562
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	ment
4.	Identification of System: <u>Reactor Coolant System</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S562						
A KIT	FIG/ 200/201	GRINNELL	M&E# 30-025060 ASP# 18076	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure	N/A NDE: N/A
Pressure: psi VT-3	Test Temp	erature F.	

Description of Work: The snubber was functionally tested, found to be acceptable and was reinstalled in it's proper location. The snubber was removed and rebuilt under Job Order R14638-01. A VT-3 exam was done also.

Job Order/File: R0014679-01

ISI CLASS

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. A Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-7-0/ Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  have inspected to 3/7/6/  and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,  Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.    Matternature   Commissions   Matternature     Inspector's Signature   National Board, State, Province, Endorsements
Date: March 7 19 2001

		-
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:08-11-99
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order#R0014680-01
	One Cook Place, Bridgman, MI 49106	Component#1-GRC-S582
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: REACTOR COOLANT PIPE SUI	PPORT 1-GRC-S582
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

	lame of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1	-GRC-S582	SNUBBER	N/A	SERIAL # 26665	N/A	REPLACED	NO
		·					

7.	Hydrostatic N/A	Pneumatic	N/A Nominal Operating Pressur	ing Pressure N/A	
	NDE: N/A	Pressure: psi	Test Temperature	F.	

Description of work:Remove existing snubber/ Install spare snubber and perform as found functional test. Performed preservice VT-3 exam

Job Order/File:R0014080-01 1SI Class 1	<u> </u>
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this repair replacement conforms to the rules of the ASME Code, Section XI repair or re	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date NA	<del></del>
Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title	_Date_2-23-07
Owner or Owner's Designee, The	
CERTIFICATE OF INSERVICE INSPECTION	N.111.2
I, the undersigned, holding a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Providence of Michigan and employments of Johnston R I.  have inspected the components described in this Owner's Report during the	ne period wledge and es described E Code, es any neasures s employer f loss of any
Date. 1-25 26 15	

_	•	
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_10-17-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0014683-01</u>
•	One Cook Place, Bridgman, MI 49106	Component# 1-AFW-S4021
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	<u>nent</u>
4.	Identification of System: <u>FEEDWATER</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-AFW-S4021						
MODIFICATION  KIT (A)	Grinnell fig 200/201 (A) KIT	GRINNELL	M&E# 30-040551 ASP# 19552	N/A	REPLACED	NO

7. Hydrostatic	NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	VT-3	Test Temperat	ure F.	

Description of Work: The old snubber was removed and a snubber rebuilt under

JO/R23862-01 was installed. A VT-3 exam was done under this jo to.

Job Order/File: R0014683-01 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date	
Signed: Dewayne Timmon's Maint. Welding Supervisor Date 2-20-01  Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.	
have inspected the components described in this Owner's Report during the period    10-16-98   to   2-20-01   , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described	
in this Owner's Report in accordance with the requirements of the ASME Code, Section XI	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures	
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any	
kind arising from or connected with this inspection.  Millutary Commissions  Inspector's Signature  Mational Board, State, Province, Endorsements	
Date: Feb 20 19 2001	
20020	

1. Owner: <u>AMERICAN ELECTRIC POWER</u>

Date Performed: 12-15-98

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# R0014690-01

One Cook Place, Bridgman, MI 49106

Component# 1-GBD-S573

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: Steam Generator Blowdown
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GBD-S573						
Snubber Rebuilt with "A" Kit	Grinnell Fig 200/201	GRINNELL Serial # 33349	M&E# 30-040550 ASP# 18225	N/A	REPLACED	NO
Seal Kit	Grinnell Seal Kit AH-1445	GRINNELL	M&E# 30-025055 ASP# 16630	N/A	REPLACED	NO
				,		

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure	N/ANDE: N/A
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The bad snubber was removed and a rebuilt snubber was installed.

CERTIFICATE OF COMPLIANCE

ISI CLASS

The rebuilt snubber has a new "A" Kit & a new Seal Kit. A VT-3 exam was done also.

Job Order/File: R0014690-01

We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-5-01
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-5-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period
Inspector's Signature Commissions Michoss, End Ng I
Date: Feb 6 18 2001

6.

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 8-15-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# R0015536-04
	One Cook Place, Bridgman, MI 49106	Component#_1-PP-50E
3.	Work Performed by: AEP/D.C. COOK Maintenance Department	ment
4.	Identification of System: Charging	
<u>5.</u>	(a) Applicable Construction Code: <u>ASME DRAFT CODE, 19</u>	968.P/V,. Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements <u>: 1989, No Addenda</u>

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-PP-50E	N/A	N/A	Existing	N/A	Repaired	NO
1/8 Bare Filler Metal	ER308L	N/A	M&E# 30-044990 ASP# 22732	N/A	Repaired	No

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nominal Operating Pressure P1	<u>[</u>
NDE: ,	Pressure:	psi Test Temperature	F.

Description of Work: The casing was excavated & rewelded and a final PT was done.

Reference CR-00-11160

Job Order/File: R0015536-04 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA
Signee. Dewayne Timmons Maint. Welding Supervisor Date 2.26-on Owner or Owner's Designee, Title
AND THE OF INCEPTION AND PROPERTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  7-26-00 to 2-26-01, and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions Mick 0055, EN LUET  National Board, State, Province, Endorsements  Date: Feb 26 19 2001
,

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1. Owner: **AMERICAN ELECTRIC POWER** 

Date Performed: 8-15-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# R0015536-10

One Cook Place, Bridgman, MI 49106

Component# 1-PP-50E

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: Charging
- 5. (a) Applicable Construction Code: <u>ASME DRAFT CODE,1968.P/V</u>, Code Case: <u>N-416-1</u>
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-PP-50E	N/A	N/A	Existing	N/A	Repaired	NO
1/8 Bare Filler Metal	ER308L	N/A	M&E# 30-044990 ASP# 22732	N/A	Repaired	No

7. Hydrostatic NA	Pneumatic	NA	Nominal C	Operating Pres	sure VT-2	
				•	•	
NDE: VT, PT, & RT		Pressu	ıre: psi	Test	Temperature	F.

Description of Work: The piping was cut and rewelded to pump 1-PP-50E. The weld had, Final PT and Final RT. A VT-2 examination was done. The Bolting (Studs and Nuts) were Fabricated under Job Order C56549-01 which has its own Repair/Replacement Plan.

Job Order/File <u>:</u>	R0015536-10	ISI CLASS	2
	CERTIFICATE OF	COMPLIANCE	
We certify that the st replacement conforms to	atements made in the roothe rules of the ASMI		
Type Code Symbo	ol Stamp <i>NA</i>		
Certificate of Autl	norization No. <u>NA</u>	Expiration	Date 1/A
Signed: Dewayne	Timmons Maint. We Owner or Owner's D	Iding Supervisor	Date 2-26-01
CERT	TIFICATE OF INSE	RVICE INSPECT	TION
I, the undersigned, holding Pressure Vessel Inspector FMIC OF JOHNSTON F	rs and the State or Prov		
	a. mponents described in	this Owner's Rep	oort during the period
3/14/00 to ±1	عداد: , and st	ate that to the bes	t of my knowledge and
belief, the Owner has period in this Owner's Rep Section XI	erformed examinations ort in accordance with		
<del>-</del> <del></del>	ertificate neither the Ins	spector nor his em	ployer makes any
warranty, expressed or in			
described in this Owner's shall be liable in any mar			
kind arising from or conr	nected with this inspect	ion.	
Materiana Inspector's Signatu	<u>/</u> Commissions	Mich 0055, National Board, Sta	te, Province, Endorsements
	e: Feb 26	19 2001	

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 09-05-00
,	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0036169-02</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-QRV-51
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: <u>CHARGING</u>	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Name of	ASME, ASTM or	Name of	Material Identification:	Year built	Repaired	ASME
Component	AISI designation:	Manufacture	M&E# ASP# P.O.#	•	Or Replaced	Code Stamped Yes/No
1-QRV-51						
TRIM ASSY	A-276 TP316	COPES	M&E# 30-036072	N/A	REPLACED	NO
	COND .B		ASP# 17451			
CAGE	ASME# SA-564	COPES	ASP# 17451	N/A	REPLACED	NO
PLUG	ASME# SA-564	COPES	ASP# 17451	N/A·	REPLACED	NO
STEM	ASME# A-276-92 COND B	COPES	ASP# 17451	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:	· ·
Pressure: psi	Test Tes	mperatu	re F.		

Description of Work: The valve was repaired using a new trim assembly(cage, plug, stem).

Job Order/File: R0036169-02 151 CLA55 1
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA
Signed: Dewayne Jimmons Maint. Welding Supervisor Date 1-10-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
to 1-11-0; , and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI  By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
MA Muters naugh Commissions Michooss, ED NET
Inspector's Signature Commissions Michooss, ED NII  National Board, State, Province, Endorsements
Date: 1-11 19/2001

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

522-563

Owner AMER	ICAN ELECTRIC	POWER C	OMPANY	Date	Februar	y 14, 2001	<u> </u>
	Name	T17 4.0	0.01	Chash	1	of2	
P.O. Box	60 Fort Wayne Addre	, IN 46	801	- Sneet -	<u></u>	OL	
-1 · D C	COOK NUCLEAR		ידיא ב. די	Unit	# 1		
Plant $D.C.$	Nam	ie	111111				
One Cook	Place, Bridgm		9106	R3	6175-02	2	
0116 60011	Addres	s		Repair (	rg. P.O.	No., Job N	o., etc
Work Perfor	med by <u>Mainter</u>	ance Dep	partmen			l Stamp N/	<u>A</u>
	<del></del> -	Name		Authoriza			
Same as	#2			Expiration	on Date	N/A	<u> </u>
	Addre	ess		Dlandarm	, 7\C1\	ME CODE CI.	ASS 2
Identificat	ion of System	Steam G	enerato	3Ed., N/	L ASI	N/A Code C	ase
(a) Applicab	le Const. Code	B31.1	198	3Ed., IN/	A Rou.	N/A couc c	39
(b) Applicab	le Edition of Seion of Component	ection XI	Utilized	laced and Re	or kepr	t Components	3
Identificat	ion of Component	s Repaire	l or keb	Taced and Re	1	Repaired	ASME
	•			Other	Ī	Replaced	Code
Name of	Name of	Manuf.	Nat.	********	Year	or	Stamped (Yes
Component	Manufacturer	Serial No.	Board No.	Identi- Fication	Built	Replace- ment	or No)
				A582-92	N/A	Replace-	No
1-DCR-340	M&E#	ASP# 17562	N/A	Grade 416	N/A	ment	
Plug	30-040938 M&E#	ASP#	N/A	SA564	N/A	Replace-	No
Stem	30-041243	17029	1,7,22	Type 630		ment	
Cage	M&E#	ASP#	N/A	SA564	N/A	Replace-	No
·	30-040730	17583		Type 630		ment	
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					<u> </u>	<u> </u>	
							ļ
			<u> </u>				<b> </b>
				<u> </u>	<u> </u>		-
		1			<u> </u>		
		<u> </u>	1		<u> </u>		J
	on of work Ref	urhiched	valve ng	ing a new ste	em, pluq	and cage.	
. Descripti	on or work <u>ker</u>	dibished	VILVE UD.				
3. Test Condu	cted: Hydrostat	ic 🗌	Pneumat			perating Pro	
	N/A 🗍	Other [	Press	sure N/A	_psi T	est Temp	N/A °F
	• —				<del>_</del>		
OTE: Supplement	tal sheets in form o	f lists, sk	etches, or	drawings may be	used, pro	vided (1) size	18 8-1/2 1n.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 1, 2 and in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### FORM NIS-2 (Back)

	Remarks		<del></del>			he obbeeled	
		Apı	plicab	le Manufacturer	s Data Reports to	be actached	
		Ref.	JO:	R71404-02	Des	ign Change:	N/A
		Repa	ir/R∈	placement Pla	n: R71404-02	ISI Class	\$2 PEN 101
				CERTIFICA:	TE OF COMPLIANCE		
	We ce: REPLACED Repair o	MENT		statements made conforms to the	e in the report as e rules of the ASI	re correct and ME Code, Section	this on XI.
	Type Code	e Symbol	Stamp	N/A			
					I/A Expira	ation Date	N/A
	Signed <b>)</b>	Juay Wayosi M Owner o	nijens r Owne	manis Supr. welder's Designee, Ti	log Date o	<del>2-15-</del> , 20	0_01
<u> </u>							
				CERTIFICATE OF	INSERVICE INSPEC	TION:	
	And Press by FACT Have insp //-17-0 and belie described Code, Sec By sign Warranty, Described Employer	ure Vess ORY MUTU ected th  f, the C in this tion XI. ing this express in this shall be	el Install Ins	spectors and the SURANCE Co. conents described as performed exacts Report in accordance implied, concerning Report. Further in any manner	nmission issued by State or Province of Johnst in this Owner's and state that cordance with the che Inspector norming the examinations and tathermore, neither for any personal nected with this	e of Michiga on, R.I. 02919 Report during to the best ken corrective requirements his employer ions and correthe Inspector injury or pro	the period of my knowledge measures of the ASME makes any ctive measures nor his
	<u>MAN</u> Inspec	tor's Si	ghatu	Commission	ns <u>Micheo.55, E</u> National Board,	End Ni I State, Provin	ce, Endorsements
	Date <u>Fc</u>	b 20		20_01			

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

524-563

. Owner AMER	ICAN ELECTRIC	POWER C	COMPANY	Date	Februar	y 2,2001	····
P O Box	Name 60 Fort Wayne	TN 46	801	Sheet	1	of 4	
I.O. DOX	Addre		7001		<u>+</u>	OT	
2. Plant D.C.	COOK NUCLEAR		LANT	Unit	# 1		
	Nar						
One Cook	Place, Bridgm	an, MI 4	9106		6176-02		
	Addre	ess		Repair	Org. P.C	No., Job	No., etc
<ol> <li>Work Perfor</li> </ol>	med by Install	lation Se	ervices	Type C	ode Symbo	ol Stamp N	I/A
		Name		Author	ization N	No. $N/A$	<del></del>
Same a	as #2				tion Dat		
<del></del>	Addre	ess		<del></del>			
4. Identificat	ion of System	Steam G	enerato	or Blowdown	ASM	ME CODE CL	ASS 2
5. (a) Applicab	le Const. Code	B31.1	19 8	3Ed., N/	A Add.	N/A Co	de Case
	le Edition of Se						
	ion of Component						
			<u>_</u>			Repaired	ASME
N				Other		Replaced	Code
Name of	Name of	Manuf.	Nat.			or	Stamped
Component	Manufacturer	Serial	Board	Identi-	Year	Replace-	(Yes
		No.	No.	Fication	Built	ment	or No)
1-DCR-330	M&E#	ASP#	N/A	SA 564	N/A	Replace-	No
Stem	30-041243	17029		Туре 630		ment	
Plug	M&E#	ASP#	N/A	A582-92	N/A	Replace-	No
	30-040938	17562		Type 416		ment	
Cage	M&E#	ASP#	N/A	SA 564	N/A	Replace-	No
	30-040730	17583		Туре 630		ment	
<del></del>	<u> </u>						
		i		l <u></u>	<u> </u>	<u> </u>	<u> </u>
7. Descriptio	n of workDisa	assemble/R	efurbish	1-DCR-330 a	nd replac	ce Stem, Plu	ıg, and Cage
8. Test Conduc	ted: Hydrostat:	ic 🗍	Pneumat	ic 🔲 No	minal Op	erating Pre	ssure 🗌
	n/a ⊠	Other [	Press	ure N/A	psi Te	st Temp. 1	√A °F
	, <del></del>	- · · · ·			<u> </u>	<u> </u>	<del></del>
NOTE:						: - i	i - 0 1/2 i

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in.  $\times$  11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

525-563

#### FORM NIS-2 (Back)

9.	Remarks							
	_	App.	licable M	Manufacturer	's Data Repor	ts to h	ne attached	
		Ref.	JO: R3	36176-02		Desi	gn Change: N/A	
		Repa	ir/Repl	acement Pl	lan: R36176	-02	ISI Class 2	_
								_
				<del></del>				
				CERTIFIC	ATE OF COMPL	IANCE		
	We cei	ctify th	at the st	atements ma	de in the rem	ort are	e correct and this	
							E Code, Section XI.	
	Repair or	replac	ement					
	Type Code	- Cimbol	Stamp	NT/7\				
	Type code	. Byllibor	Jeanip	N/A				
	Certifica	ate of A	uthorizat	ion No	N/A	Expirat	tion DateN/A	
			11					
		Sew!		mm	. 1 1	_	<b>.</b>	
3	Signed 2	WAUNE M	MMONS,	MANOT SUPU.	Welling Date	·	2-2-, 20 01	
	- 04	Owner o	r Owner's	s Designee,	Title			
<u> </u>	· · · · · · · · · · · · · · · · · · ·							
<u> </u>		<del></del>	<del> </del>					_
			C:	ERTIFICATE O	F INSERVICE	INSPECT	ION	
	T the une	acrai ano	a haldi.		ommigaion iac	and bar	the National Board of Boiler	
	And Pressi	ire Vess	a, nordin el Inspec	ctors and th	e State or Pr	covince	of Michigan and employed	
	by FACTO	ORY MUTU	AL INSURA	ANCE Co.	of 5	Johnston	n, R.I. 02919	
	Have inspe	ected the	e compone	ents describ	ed in this Ov	wner's I	Report during the period	
	11-20 -0	O E tho O	_ to _ <u>_                               </u>	- 5 - 01	, and stat	te that	to the best of my knowledge en corrective measures	
	described	in this	Owner's	Report in a	ccordance wit	th the	requirements of the ASME	
	Code, Sect	cion XI.						
	By signi	ing this	certific	cate neither	the Inspecto	or nor l	nis employer makes any	
							ons and corrective measures the Inspector nor his	
							injury or property damage or	
					nnected with			
				1				
	nda n	1-	l	Commissi	one Mai se	پر سرسے	0.12	
	Inspect	cor's Si	gnature		National B	Board,	NONET State, Province, Endorsements	
	*		- 0			-		
	<b>.</b>		د .					
	Date F	.b 5	2	2001				

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

Date Performed: 09-13-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: <u>D.C.Cook Nuclear Power Plant</u>

Job Order# R0037666-03

One Cook Place, Bridgman, MI 49106

Component# 1-SV-51

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>LETDOWN (CVCS)</u>
- 5. (a) Applicable Construction Code: <u>ANSI B31.1</u>, 1983 Ed. <u>NO Add.</u>, Code Case: <u>N/A</u>
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-51						
NOZZEL	ASTM# A-182 F-316	CROSBY	M&E# 30-036788 ASP# 12404	N/A	REPLACED	NO
DISC INSERT	ASTM# SA-276 TYPE 316	N/A	M&E# 30-036668 ASP# 12404	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
-			
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The valve was repaired using a new nozzel, disc insert.

Job Order/File: R0037666-03 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. 1997 Expiration Date 1997	
Signed: Dewayne Tinimons Maint. Welding Supervisor Date 2-23-01  Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.	
have inspected the components described in this Owner's Report during the period  9-8-00 to 2/2/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI	
By signing this certificate neither the Inspector nor his employer makes any	
warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.	
Inspector's Signature Commissions Methods, End Not I National Board, State, Province, Endorsements	
Date: Feb 27 18 2001	

1. Owner: AMERICAN ELECTRIC POWER

Date Performed: 08-23-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# R0036677-11

One Cook Place, Bridgman, MI 49106

Component# 1-MRV-220

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>MAIN STEAM</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N-416-1
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-MRV-220						
STUDS	ASME# SA-193-B7	N/A	M&E# 30-034460 ASP# 16102	N/A	REPLACED	NO
NUTS	ASME# SA-194	N/A	M&E# 30-034422 ASP# 15263	N/A	REPLACED	NO
SPACER	N/A	N/A	M&E# 30-034387 ASP# 15259	N/A	REPLACED	NO
DISC	N/A	N/A	M&E# 30-034382 ASP# 15506	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure:	VT-2	NDE: MT
•				
Pressure: psi	Test Temperature	<u>F.</u>		

Description of Work: The valve was repaired using a new studs, nuts, spacer, and disc.

Job Order/File: R0036677-11 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed: Dewayne Finnmons Maint. Welding Supervisor Date 1-31-01
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period <u>oq-os-oo</u> to <u>oz-oz-oi</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.    Maintagage   Commissions   Michology   National Board, State, Province, Endorsements
Date: Feb 2 18 2001

****		
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:09-30-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order <u>#R0036677-13</u>
	One Cook Place, Bridgman, MI 49106	Component#1-MRV-220
3.	Work Performed by: AEP/D.C. COOK Maintenance Department	nent .
4.	Identification of System: MAIN STEAM OME-3-2 STOP V	ALVE′
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO_Add., Code Case:N416-1
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

	Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1	1-MRV-220					REPAIRED	NO
ŀ	3"SCHEDULE #80	ASME SA-106		M&E # 30-014983		REPLACED	NO
	SEAMLESS PIPE	GR B		ASP # 18219			

7.	Hydrostatic N/A	Pneumatic	N/2	A Nominal Operating Pressure N	I/A
	NDE: MT//RT,VT-2	Pressure: psi	N/A	Test Teemperature	<u>F.</u>

Description of work: Reconnect bonnet vent pipe in accordance with drawing # 1-MS-124.

Job Order/File: R0036677-13 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed: Dewayne Timmons, welding supervisor  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Matterparate  Commissions  Mich 2055, End Note  National Board, State, Province, Endorsements
Date: Feb 13 19 2001

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:09-13-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order <u>#R0037666-03</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-SV-51
3.	Work Performed by: AEP/D.C. COOK Maintenance Department	nent
4.	Identification of System: Letdown (CVCS) Letdown outlet s	safety valve # 1-SV-51
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO_Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or l	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-51	·				REPAIRED	NO
DISC INSERT PIN	ASTM-A276 TYPE 316	CROSBY	M&E # 30-036518 ASP # 14198		REPLACED	NO
NOZZLE	ASTM-A182 F-316	CROSBY	M&E # 30-036788 ASP # 12404		REPLACED	NO

7.	Hydrost	atic N/A	Pneumatic	N/A	Nominal Operating	Pressur	eN/A	
	NDE:	N/A	Pressure: psi	N/A	Test Temperature	N/A	F.	

Description of work:Perform setpoint test as required, replace parts as needed on 1-SV-51

Job Order/File: R0037666-03 ISI C	class 2				
CERTIFICATE OF COMPLIAN	NCE				
We certify that the statements made in the report are correplacement conforms to the rules of the ASME Code, Sect	rect and this <u>repair and/or</u> ion XI repair or replacement.				
Type Code Symbol Stamp NA					
Certificate of Authorization No MA_ Expir	ration Date <u>NA</u>				
Signed: Dewayne Jimmons, welding supervisor  Owner or Owner's Designee, Title	Date 2-2-01				
CERTIFICATE OF INSERVICE INS	PECTION				
I, the undersigned, holding a valid commission issued by the Pressure Vessel Inspectors and the State or Providence of M FMIC of Johnston R I.	e National Board of Boiler lichigan and employed by				
have inspected the components described in this Owner'  1-8-00 to 2.5-01, and state that to the belief, the Owner has performed examinations and taken c	ne best of my knowledge and				
in this Owner's Report in accordance with the requirem	nents of the ASME Code,				
By signing this certificate neither the Inspector nor has warranty, expressed or implied, concerning the examination	nis employer makes any as and corrective measures				
described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any					
kind arising from or connected with this inspection.  Ma Mutugang Commissions  Inspector's Signature  National Box					
M	•				
Date: Feb 5 18 200	21				

		D. D. G. 1, 10,00,00
1.	Owner: <u>AMERICAN ELECTRIC POWER</u>	Date_Performed:10-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order <u>#_R0051576-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-SV-52
3.	Work Performed by: AEP/D.C. COOK Maintenance Dep	artment
4.	Identification of System:CVCS LETDOWN	/
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs	or Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replace	ced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-52						NO
BELLOWS	Stainless Steel 60  Rockwell B Minimum	CROSBY	M&E # 30-036450 ASP # 15227		REPLACED	NO
SPINDLE	AISI 416 20 Rockwell C Minimum	CROSBY	M&E # 30-036925  ASP # 12816,  ASP # 16006		REPLACED	NO
DISC/BUSHING	Stainless Steel Type 316		M&E # 30-036465 ASP # 14068 ·		REPLACED	NO
VALVE,NOZZLE	SA479 Type 316	CROSBY	M&E # 30-036790 ASP # 8278 -		REPLACED	NO
						<u></u>

7.	Hydrostatic N/A	Pneumatic N/A	Nominal Operating Pres	ssure N/A	_
	NDE: N/A	Pressure: psi N/A	Test Temperature	F.	

Description of work: Perform set point test and refurbish and reinstall valve 1-SV-52

Job Order/File: R0051576-01 ISI Class 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp/	
Certificate of Authorization No. NA Expiration Date	
Signed: Dewayne Timmons, welding supervisor Date 2/2	Öj
Owner or Owner's Designee, Title	***************************************
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period	

1. Owner: AMERICAN ELECTRIC POWER

Date Performed: 10-28-00

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# R0051678-02

One Cook Place, Bridgman, MI 49106

Component# 1-PCR-40

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: Plant Air
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamp Yes/No
1-PCR-40		Copes-				
TRIM ASSY		Vulcan				
Plug	SA 479 Type 410		M&E# 30-036073	N/A	REPLACED	NO
			ASP# 14497			
Stem	A276-90A Type 316		M&E# 30-036073	N/A	REPLACED	NO
			ASP# 14497			
Cage	SA479 Type 410		M&E# 30-036073	N/A	REPLACED	NO
			ASP# 14497			
Cage/Spacer	SA312 Type 304		M&E# 30-036073	N/A	REPLACED	NO
			ASP# 14497			

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nominal Operating Pressure	N/A NDE:N/A
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The valve was repaired using a new trim assembly

Job Order/File: R0051678-02 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-5-0/ Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSTECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
8/15/00 to $2-6-01$ , and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions Mich 0055, ENDNET National Board, State, Province, Endorsements
Date: F= 15 6 18 2001
2000. 12.5 6

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:03-08-97
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0059811-01</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-SV-1A-3
3.	Work Performed by: AEP/D.C. COOK Maintenance Departm	<u>nent</u>
4.	Identification of System: MAIN STEAM	

5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-1A-3		·				
DISC	ASME# SB-637	DRESSER	M&E# 30-037699 ASP# 19528	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	4	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperati	ure	<u>F.</u>	

Description of Work: .The valve was repaired using a new disc.

ISI CLASS Job Order/File: R0059811-01 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement. Type Code Symbol Stamp Expiration Date *MA* Certificate of Authorization No/ Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-26-07 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI. have inspected the components described in this Owner's Report during the period 2-25-97 to 2-27-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection. Commissions Michooss, End NEI MAM aterspace National Board, State, Province, Endorsements Inspector's Signature 19 2001 Date: Feb 27

		•
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 03-09-97
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# R0061017-03
	One Cook Place, Bridgman, MI 49106	Component#_1-FW-118-3
3.	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
4.	Identification of System: FEEDWATER	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-FW-118-3						
NUTS (2)	ASME# SA-194 GR-2H	N/A	M&E# 30-211970 ASP# 18093	N/A	REPLACED	NO
NUT (1)	ASME# SA-194 GR-2H	N/A	M&E# 30-211970 ASP# 19173	N/A	REPLACED	NO
					,	

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:	
Pressure: psi	Test Te	mperati	ıre F.		

Description of Work: The valve was repaired using new nuts.

Job Order/File: R0061017-03 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement conforms to the rules of the ASME Code, Section XI repair or replacement.</u>
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-10-0
Signed: Dewayne Timmons Maint. Welding Supervisor Date /-/0-0
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period
Date: fan. 12 18 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Date_Performed:03-29-97 Owner: AMERICAN ELECTRIC POWER 1. Unit# 1 P.O. Box 60 Fort Wayne IN 46801 Job Order# R0061019-01 2. Plant: D.C.Cook Nuclear Power Plant One Cook Place, Bridgman, MI 49106 Component# 1-SV-1B-2 Work Performed by: AEP/D.C. COOK Maintenance Department 3. 4. Identification of System: MAIN STEAM (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda Identification of Components Repaired or Replaced and Replacement Components 6.

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-1B-2						
DISC	ASME# SB-637	DRESSER	M&E# 30-0037699 ASP# 19528	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE: MT
•			
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: .The valve was repaired using a new disc.A MT exam was done also.

Job Order/File: R0001019-01 151 CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-21-01  Owner or Owner's Designee, Title
CEDITIEICATE OF INCEDVICE INCRECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
MR Muteripaugh Commissions Mich 0055, END NET.
Inspector's Signature National Board, State, Province, Endorsements
Date: Feb 21 18 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:03-06-97
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0061020-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-SV-2B-3
3.	Work Performed by: AEP/D.C. COOK Maintenance Departs	ment
4.	Identification of System: MAIN STEAM	
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamp Yes/No
1-SV-2B-3						
DISC	ASME# SB-637	DRESSER	M&E# 30-037699 ASP# 19528	N/A	REPLACED	NO

7. Hydrostatic <u>NA</u>	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: .The valve was repaired using a new disc.

Job Order/File: R0061020-01

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.	٠
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date MA	
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-26-07  Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  3-5-97 to 2-27-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  MATAMARIAN Commissions  National Board, State, Province, Endorsements	
Inspector's Signature National Board, State, Province, Endorsements	
Date: Feb 27 19 2001	

ISI CLASS

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1. Owner: **AMERICAN ELECTRIC POWER** 

Date Performed: 01-07-97

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# R0062233-01

One Cook Place, Bridgman, MI 49106

Component# 1-SV-2A-1

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>MAIN STEAM</u>
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-2A-1						
DISC	ASME# SB-637	DRESSER	M&E#30-037699 ASP# 19528	N/A	REPAIRED	NO
1 ¾"NUTS	ASME# SA-194 GR-2H HEAVY	N/A	M&E# 30-211970 ASP# 18093	N/A	REPAIRED	NO
					-	

7. Hydrostatic NA	Pneumatic NA	Nomial Operating Pressure	N/ANDE:
•			
Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: .The valve was repaired using a new disc and nuts.

Job Order/File: R0062233-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA  Signed Bewayne Timmons Maint. Welding Supervisor Date 2-21-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  2-27-97 to 2-22-0; , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  MI Mutanagas Commissions  National Board, State, Province, Endorsements
Date: <u>Feb 22</u> 18 2001

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed: 09-14-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0071813-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-SV-54
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	ment
4.	Identification of System: <u>REACTOR COOLANT PUMP S</u>	EAL WATER
<u>5.</u>	(a) Applicable Construction Code: ANSI B31.1, 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-54						
NOZZEL	ASTM# A-182 F316	CROSBY	M&E# 30-036790 ASP# 10258	N/A	REPLACED	NO
SPINDLE	AISI 416 S/S	CROSBY	M&E# 30-036925 ASP# 16006	N/A	REPLACED	NO
DISC	ASTM# A-276 TP316	N/A	M&E# 30-036464 ASP# 12692	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:
Pressure: psi	Test Tempe	rature	F.	

Description of Work: The valve was repaired using a new spindle ,nozzel and disc.

Job Order/File: R00/1813-01 ISI CLASS 2	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.	
Type Code Symbol Stamp	
Certificate of Authorization No. 1/4 Expiration Date 1/5 Signed: Dewayne Timmons Maint. Welding Supervisor Date 1/5 Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period   7-27-06 to 1-16-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  **Mathematical Commissions**  **Commissions**  **According to the National Board of Boiler Pressure of Michigan and employed by FMIC OF To Holding and Employed Board of Tooley Board of Tooley Board of Tooley Board of Tooley Board of Board	
Inspector's Signature Commissions Mich 0055, End NET  National Board, State, Province, Endorsements	
Date: Jan 16 18 2001	

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550-563

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: <u>AMERICAN ELECTRIC POWER</u>	Date_Performed:_11-01-00
•	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u># R0071866-13</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-AFW-S4025
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	ment
4.	Identification of System: <u>PIPING SUPPORT</u>	
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI B31.1</u> , 1983 Ed.	NO Add., Code Case:
	(b) Applicable Edition of Section XI Utilized for Repairs or I	Replacements: 1989, No Addenda

Identification of Components Repaired or Replaced and Replacement Components

/	Name of Component  1-AFW-S4025 9	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
	TAPER PIN	ASME# SA-193	GRINNELL	M&E# 30-024977	N/A	REPLACED	NO
	PIN SLEEVE	GR-B7		ASP# 15148			
		·					

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:
		_		
Pressure: psi	Test Te	mperatui	re F.	

Description of Work: The snubber was repaired with a new taper pin, and an as found exam was done also. A VT-3 exam was done also.

We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.  Type Code Symbol Stamp  AA  Total Total Code, Section 24 AA  Total Code, Sect
replacement conforms to the rules of the ASME Code, Section XI repair or replacement.  Type Code Symbol Stamp
A/A District Date A/A
Certificate of Authorization No. NA Expiration Date WA  Signed: Dewayne Timmons Maint. Welding Supervisor Date 1-16-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period where to 1-22-61, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Réport in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Mathematical Commissions which occurred the Province, Endorsements  Date: Jan 22  Date: Jan 22  Date: Jan 22

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

		<u></u>
1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:11-06-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
	2. Plant: <u>D.C.Cook Nuclear Power Plant</u>	Job Order <u>#R0072160-01</u>
	One Cook Place, Bridgman, MI 49106	Component#_1-SV-107
3.	Work Performed by: AEP/D.C. COOK Maintenance Departr	<u>nent</u>
4.	Identification of System: CONTAIMENT SPRAY ADDITI	VE SAFETY VALVE 1-SV-107
<u>5.</u>	(a) Applicable Construction Code: <u>ANSI-B31.1-1983 Ed.</u>	NO_Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
6.	Identification of Components Repaired or Replaced	and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-SV-107						NO
5/8"-11UNC	SA-453 GR-660	1	M&E # 30-212290 ASP # 22380		REPLACED	NO
5/8"-11 NUT	ASME SA-194 GR-8F		M&E # 30-212090 ASP # 22381		REPLACED	NO
SPRING ASSEMBLY	CHROME/ALLOY SA-105		M&E # 30-037702 - ASP # 24914		REPLACED	NO

HydrostaticN/	A Pneumatic	N/A Nominal Operating Pre	
NDE: N/A	Pressure: psi	N/A Test Temperature	F.
** * * * *	ork: Remove valv	e from system, perform safety	v valve se

Job Order/File: R-0072160-01 ISI Class 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. MA Expiration Date MA  Signed: Dewayne Timmons, welding supervisor Date 2-/2-0/  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.  have inspected the components described in this Owner's Report during the period to 2-12-01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Machaeles Province, Endorsements  Date: Commissions Machaeles Province, Endorsements  Date: Tebric 12 18 2001

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

•	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_11-02-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
<b>!</b>	Plant: D.C.Cook Nuclear Power Plant	Job OrderR0072607-02_
	One Cook Place, Bridgman, MI 49106	Component#_1-CS-325
•	Work Performed by: AEP/D.C. COOK Maintenance Depart	ment
	Identification of System: CHARGING	
<u>i.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 Ed.	NO Add., Code Case: N/A
	(b) Applicable Edition of Section XI Utilized for Repairs or	Replacements: 1989, No Addenda
<b>5.</b>	Identification of Components Repaired or Replace	d and Replacement Component

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-CS-325						
CHECK VALVE 2" 1500LB CLASS Y PISTON	ASME# SA-182-88 GR-316	Conval	M&E # 30-035085- ASP # 24921 PO# 10984	N/A	Replaced	No
		1				

7.	Hydrostatic N/A	Pneumatic	N/A Nominal Operating Pressure	N/A
	NDE: VT-2	Pressure: psi N	I/A Test Temperature	F.

Description of work: Disassemble and Replace Parts as needed. VT-2 was performed under Job Order R72394-01.

Job Order/File: R00/2007-02 ISI Classi
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement</u> conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. 1/A Expiration Date//A
Signed: Dewayne Timmons, welding supervisor Date 2-19-01
Owner or Owner's Designee, Title
•
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler
Pressure Vessel Inspectors and the State or Providence of Michigan and employed by
FMIC of Johnston R I.
have inspected the components described in this Owner's Report during the period
11-1-00 to 02-20-01, and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described
in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI
By signing this certificate neither the Inspector nor his employer makes any
warranty, expressed or implied, concerning the examinations and corrective measures
described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or of loss of any
kind arising from or connected with this inspection.
MAMuterspaces Commissions Michooss, END NII
Inspector's Signature National Board, State, Province, Endorsements
, m
Date: Feb 20 18 2001

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1. Owner: AMERICAN ELECTRIC POWER

Date_Performed: 12-30-98

P.O. Box 60 Fort Wayne IN 46801

Unit# 1

2. Plant: D.C.Cook Nuclear Power Plant

Job Order# R0086653-01

One Cook Place, Bridgman, MI 49106

Component#_1-AFW-S4033

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: PIPING SUPPORT
- 5. (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A
  - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-AFW-S4033						
TIE ROD NUTS	ASTM# A-563 GR-A	GRINNELL	TEMP# 00-009543 ASP# 20836	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic NA	Nominal Operating Pressure	N/A	NDE
N/A	Pressure: psi	Test Temperature	<u>F.</u>	

Description of Work: The snubber was rebuilt using a new tie rod nuts work was accomplished on R86653-02. The snubber was removed tested and reinstalled on JO R86653-01. A VT-3 exam was done also.

Job Order/File: R0086653-01 ISI CLASS 2
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> <u>replacement conforms</u> to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-12-01  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.  have inspected the components described in this Owner's Report during the period  12-11-98 to 2-13-0;  and state that to the best of my knowledge and
belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.  Machooss, and Note.
Inspector's Signature National Board, State, Province, Endorsements  Date: Feb 13 19 2001

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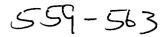
## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

Owner: AMERICAN ELECTRIC POWER Date Performed: 10-18-00 1. P.O. Box 60 Fort Wayne IN 46801 Unit# 1 2. Job Order#R0096742-01 Plant: D.C.Cook Nuclear Power Plant Component# 1-GRC-S582 One Cook Place, Bridgman, MI 49106 Work Performed by: AEP/D.C. COOK Maintenance Department 3. 4. Identification of System: PIPING SUPPORT (a) Applicable Construction Code: ANSI B31.1, 1983 Ed. NO Add., Code Case: N/A <u>5.</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-GRC-S582						
TAPER PIN	.Grinnell Fig 312 For Fig # 200/201	GRINNELL	M&E# 30-024975 ASP# 13571	N/A	REPLACED	NO
Modification  KIT "A"	GRINNELL FIG 200/201	GRINNELL	M&E # 30-040550 ASP # 20905	N/A	REPLACED	NO
PLUG CYL. FILL PORT W-O/RING	GRINNELL		M&E # 30-024993 ASP # 17503	N/A	REPLACED	NO

7. Hydrostatic NA	Pneumatic	NA	Nomial Operating Pressure	N/ANDE:
,				
Pressure: psi	Test Ter	nperatu	re F.	



Description of Work: The snubber was repaired using a new load pin & a VT-3 exam was done under this JOA#. Also a "A" modification kit was installed under R14648-01..

Job Order/File: R0096742-01 ISI CLASS 1
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair and/or</u> replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Signed: Dewayne Timmons Maint. Welding Supervisor Date 2-2-0/ Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC OF JOHNSTON RI.
have inspected the components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.    Mathematical Commissions   Meloss   Enclose   Natle
Inspector's Signature National Board, State, Province, Endorsements  Date: F=6 Z 19 200

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:_09-23-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order# R0102518-01

One Cook Place, Bridgman, MI 49106 Component# 1-AFW-S4023

- 3. Work Performed by: AEP/D.C. COOK Maintenance Department
- 4. Identification of System: <u>FEEDWATER</u>
- (a) Applicable Construction Code: <u>ANSI B31.1</u>, 1983 Ed. <u>NO Add.</u>, Code Case: <u>N/A</u>
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME,ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
1-AFW-S4023						
MODIFICATION	GRINELL FIG	GRINNEL	M&E# 30-040551	N/A	REPLACED	NO
KIT A"	200/201 (A) KIT		ASP# 22790			

7. Hydrostatic	NA	Pneumatic	NA	Nominal	Operating Pressure	N/ANDE
Pressure: psi	VT-3	Test T	emperatur	<u> </u>		

Description of Work: The snubber was repaired using a (A) modification kit.A VT-3 exam was done also.

Job Order/File: R010251	8-01	ISI CLASS	2					
CERTIFICATE OF COMPLIANCE								
We certify that the statements replacement conforms to the rules								
Type Code Symbol Stamp_	j/H	1		*				
Certificate of Authorization  Signed: Devrayne Timmon	s Maint. Wel	ding Supervisor	n Date <u>MA</u> Date <u>2 <b>20</b>-01</u>					
Own	er or Owner's De	esignee, Title						
CERTIFICAT	E OF INSER	VICE INSPEC	CTION					
I, the undersigned, holding a valid Pressure Vessel Inspectors and the FMIC OF JOHNSTON RI.  have inspected the components to 02-20-01 belief, the Owner has performed in this Owner's Report in acc Section XI  By signing this certificate is warranty, expressed or implied, co described in this Owner's Report. shall be liable in any manner for a kind arising from or connected with Manual Manual Consecutive Manual Manual Consecutive Manual Consecutiv	s described in to a state or Provide state or Provide state or Provide state of the	this Owner's Rete that to the beand taken corrector nor his examinations and neither the Instituty or property on.	gan and employed by eport during the period est of my knowledge and ective measures described s of the ASME Code, employer makes any d corrective measures epector nor his employer y damage or of loss of any	1				
Date: 🛌 🖰	20	18 2001						

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions for the ASME Code Section XI

1.	Owner: AMERICAN ELECTRIC POWER	Date_Performed:10-12-00
	P.O. Box 60 Fort Wayne IN 46801	Unit# 1
2.	Plant: D.C.Cook Nuclear Power Plant	Job Order <u>#R0208566-01</u>
	One Cook Place, Bridgman, MI 49106	Component# 1-CS-328-L1
3.	Work Performed by: AEP/D.C. COOK Maintenance De	partment
4.	Identification of System: REACTOR COOLANT SYST	ΓΕM
<u>5.</u>	(a) Applicable Construction Code: ANSI-B31.1-1983 El	D NO Add., Code Case:N/A
	(b) Applicable Edition of Section XI Utilized for Repair	s or Replacements: 1989. No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	ASME, ASTM or AISI designation:	Name of Manufacture	Material Identification: M&E# ASP# P.O.#	Year built	Repaired Or Replaced	ASME Code Stamped Yes/No
.S-328-L1						
DISC ASSEMBLY	ASME SA-182	VELAN	M&E # 30-043790	N/A	REPLACED	NO
	TYPE F-316		ASP # 16711			
				-		

7.	Hydrostatic N/A	Pneumatic 1	N/A Nominal Operating Pressure	VT-2
	NDE: N/A	Pressure: psi N/	A Test Temperature	F.

Description of work:Replaced disc assembly and welded lock wire in place. VT-2 pervormed under J.O.A. R72394-01

Job Order/File: R0208566-01 ISI Class 1
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair and/or replacement conforms to the rules of the ASME Code, Section XI repair or replacement.
Type Code Symbol Stamp
Certificate of Authorization No. An Expiration Date MA  Signed: Dewayne Tummons, welding supervisor Date 2-28-01
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler Pressure Vessel Inspectors and the State or Providence of Michigan and employed by FMIC of Johnston R I.
have inspected the components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or of loss of any kind arising from or connected with this inspection.    Mathematical Commissions   Mechogor, Endorsements
Inspector's Signature National Board, State, Province, Endorsements  Date: Feb 28 18 200

## ATTACHMENT 2 TO C0301-04

### **COMMITMENTS**

The following table identifies those actions committed to by Indiana Michigan Power company (I&M) in this submittal. Other actions discussed in the submittal represent intended or planned actions by I&M. They are described to the Nuclear Regulatory Commission (NRC) for the NRC's information and are not regulatory commitments.

Commitment	Date	
I&M will provide the NIS-2 forms for 1-SV-45A, 1-SV-45B and	September 30, 2001	
1-SV-45C.		