APPENDIX D.2 MODIFICATION GROUP NIS-2 FORMS

WORK ABSTRACT

The Site Modifications Group is responsible for preparing Work Orders (work packages) for fabrication and installation of design changes in accordance with ASME Section XI and the National Board Inspection Code. This work is documented on NIS-2 Forms, or on R-1 Forms, which are submitted herewith.

MODIFICATION INSTALLATION GROUP

Design Change Packages for ASME Section XI (Class 1, 2 and 3), and the National Board Inspection Code, installed in Unit 1 since the completion of the Eleventh Refueling Outage through completion of the Twelfth Refueling Outage are summarized below:

DESIGN CHANGE PACKAGE NUMBER	SYSTEM / CLASS	DESCRIPTION
97-9100D, F and G	024A III	Replaced Fuel Oil Day Tank level transmitters
179458	145A I	Permanent Removal of Snubber Supports SPDBA103- H2000 and SPDBA107-H2000
310917 *	147	Welded repairs to nozzle base metal damage on replacement Feedwater Heaters
94-3023B and C	149A III	Replacement and Repair of RHR Motor Oil Coolers
179459	149C I	Permanent Removal of Snubber Support SPDCA117- H14
352940	151A II	Relocation of Instrument Rack 1C057
318280	153A II	Replace SBLC Pump Discharge Flange and Re-rate SBLC Pump and Discharge Piping,
224005	161B III	Replace RWCU Pump Proximity Probes with Pipe Plugs.
316329, 316330, 316331, 316332	162A I	Modified inboard MSIVs, HV141F022A, B, C, and D to improve seating characteristics.
179460	162A II	Permanent Removal of Snubber Supports SPDCB112- H2003 and SPDCB112-H2014
179459	164A I	Permanent Removal of Snubber Support SPDCA120- H2006
179459	164A II	Permanent Removal of Snubber Support SPDCB112- H2094
179459 391402 391467	164D II	Permanent removal of snubber support SPDCB106-H2002 and Replaced piping SPDCB106-6, SPDCB106-8, and SPDCB121-4, do to socket weld UT Exam failures.

316333, 316334, 316335, 316336 183A I

Modified outboard MSIVs, HV141F028A, B, C, and D to improve seating characteristics.

^{*} National Board Inspection Code repair of an ASME Section VIII vessel in a non-nuclear system.

1. Own	er	PPL Susque		<u> </u>	Date	5	JUNE-2002	
	769 Sa	lem Blvd, Berwi			Sheet	1 of	1	
2. Plan	t Sus	squehanna Stea		on	Unit		ONE	
	769 Sa	lem Blvd, Berwi			SEE PAGE 4		on P.O. No., Job No., etc.	
3. Worl	k Performed by	PPL Sus	squehanna, LLO	<u>C</u>	Type Code Syr	nbol Stamp	None	<u>;</u>
	769 Sa	lem Blvd, Berwi	ck, PA 18603		Authorization N	lo	N/A	
					Expiration Date	! 	N/A	
4. Ider	ntification of Syster	m	DIESEL GENE	ERATOR and	AUXILIARY S	YSTEM	024A-III	
	Applicable Constr			19 Editi		Addend	la,	Code Case
	* *	of Section XI Utilize onents Repaired or I						
6. lder	ntification of Comp	onents Repaired or r	replaced allo Repl	acement compo	, , , , , , , , , , , , , , , , , , ,			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	MALL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPHBC94-1	1982	REPLACED	YES
	MALL PIPE ASSEMBLY	PPL	N/A	N/A	SPHBC94-1	2000	REPLACEMENT	NO
(3) 1'	PLUG VALVE	TUFLINE XOMOX	89267L-3	N/A	034072B	1979	REPLACED	YES
(4) 1'	PLUG VALVE	TUFLINE XOMOX	89267L-5	N/A	034073B	1979	REPLACED	YES
(5) 1'	BALL VALVE	BNL INDUSTRIES	A981004-1-2	N/A	034073B	1999	REPLACEMENT	YES
	MALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHBC94- H2000	1982	REPLACED	NO
7. Des	scription of Work			SEE F	PAGE 4 AND 5	•		
8. Tes		Hydrostatic Other Pres	Pneumatic Sure N/A		Operating Pressurest Temp.	e □ N/A°	:	
N ti	NOTE: Supplemention in items 1 thro	ntal sheets in form o ough 6 on this repo	of lists, sketches, or rt is included on e	or drawings may each sheet, and	be used, provided (3) each sheet is	d (1) size is numbered	8½ in. x 11 in., (2 and the number of	!) informa- sheets is

recorded at the top of this form.

9. Remarks CODE DATA REPORT(S) ATTACHED	
Applicable Manufacturer's Data Reports to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this ASME Code, Section XI. REPLACEMENT conforms to	the rules of the
ASME Code, Section XI. repair or replacement	
Type Code Symbol Stamp Ν/Δ	
N/A N/A	
Certificate of Authorization NoN/A Expiration N/A	
Signed Date 1	
Owner or Owner's Designee, Title Supv Site Modifications Group	20 0 2
CERTIFICATION OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Insper or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO.	ctors and the State of
have inspected the compone	nts described
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures de	, and state that escribed 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, comparing the correction measures described in this employer makes any warranty.	
chairmingtons and confective measures described in this Owner's Report - Furthermore poither the Increase and	Maria a a a a a la compania de la compania del compania del compania de la compania del compania del compania de la compania de la compania de la compania de la compania del compania de
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or conninspection.	ected with this
William P. Rogus III Commissions NB 7980 A. N. E. R. NS	04.5.5
Inspector's Squature Commissions N8 7980 A.N. E.R. NS National Board, State, Province, and	Fodorsements
Date JUNE 21 2002	

1. Owner		PPL Susque				Date	5-	JUNE-2002	
	769 Sa	lem Blvd, Berwi				Sheet	2 of	2	
2. Plant	Su	squehanna Stea			Add	Unit		ONE	
	769 Sa	lem Blvd, Berwi			Addre	SEE PAGE	4 AND 5	on P.O. No., Job No., etc.	
3. Work Perl	formed by		squehanna, LL		nudi e	Type Code Sy			e
	769 Sa	lem Blvd, Berwi	ck, PA 18603			Authorization I	No	N/A	
		Address				Expiration Dat	e	N/A	
4. Indentific	ation of Syste	em	DIESEL GEN	ERATOR an	id A	UXILIARY S	YSTEM	024A-III	
	cable Constr				ition,		Adden	da,	Code Case
		of Section XI Utilize onents Repaired or I	·		-	89	_		
O. Ideminoa	mon or oomp		replaced and rep		JOHE				
1	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(7) SMALL		BECHTEL	N/A	N/A		SPHBC94- H2001	1982	REPLACED	NO
(8) SMALL ASSEM		BECHTEL	N/A	N/A		SPHBC96-1	1982	REPLACED	YES
(9) SMALL ASSEM		PPL	N/A	N/A		SPHBC96-1	2000	REPLACEMENT	NO
(10) 1" PLU	JG VALVE	TUFLINE XOMOX	89267L-1	N/A		034072D	1979	REPLACED	YES
(11) 1" PLI	JG VALVE	TUFLINE XOMOX	89267L-7	N/A		034073D	1979	REPLACED	YES
(12) 1" BAI	LL VALVE	BNL INDUSTRIES	A981004-1-4	N/A		034073D	1999	REPLACEMENT	YES
(13) SMAL SUPPO		BECHTEL	N/A	N/A		SPHBC96- H2000	1982	REPLACED	NO
(14) SMAL SUPP		BECHTEL	N/A	N/A		SPHBC96- H2001	1982	REPLACED	NO
	L SMITTER SSEMBLY	MORRISON KNUDSEN	SA-613	N/A		SA-613	1985	REPLACED	YES

			:-						
1. Ow	ner	PPL Susque				Date	5	JUNE-2002	
	769 Sal	em Blvd, Berwi				Sheet	3 of	3	
2. Pla	int Sus	Address squehanna Stear	n Electric Stati		Add	Unit		ONE	
	700.0-1	Name							
	/69 Sai	em Blvd, Berwic	CK, PA 18603		Addre	SEE PAGE 4	AND 5 air Organization	n P.O. Na., Job No., etc.	
3. Wc	ork Performed by	PPL Sus	squehanna, LL	C		Type Code Syn	nbol Stamp	None	
	769 Sa	lem Blvd, Berwi	ck, PA 18603			Authorization N	o	N/A	
		Address				Expiration Date		N/A	
4. In	dentification of Syste	em	DIESEL GENE	ERATOR a	nd A	AUXILIARY S	STEM	024A-III	
	a) Applicable Constr		E PAGE 4 & 5	19 E	ditior	١,	Addend	la,	Code Case
(l	b) Applicable Edition	of Section XI Utilize	d for Repairs or Re	eplacements 1	19	89			
6. ld	entification of Comp	onents Repaired or F	Replaced and Repl	acement Con	npon	ents			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(16)	BLIND FLANGE	PPL	N/A	N/A		SA-613	2000	REPLACEMENT	NO
(17)	SMALL PIPE ASSEMBLY	PPL	N/A	N/A		SPHBC3304-14	2000	REPLACEMENT	NO
(18)	1" BALL VALVE	BNL INDUSTRIES	A990801-2-2	N/A		034829E	2000	REPLACEMENT	YES
(19)	PIPE PLUG NOZZLE H	APPLIED ENGINEERING	NC-4164-05	2742		OT-528E	1984	REPLACED	NO
<u> </u>					_		†		

1. Owner		PPL Susquel	<u> </u>		1	Date		5-Jl	JNE-2002	<u>-</u>
	769 Sal	em Blvd, Berwic	ck, PA 18603	Ado		Sheet	4	of	4	
2. Plant	Sus	quehanna Stear		on	1	Unit			ONE	
	769 Sal	em Blvd, Berwic	ck, PA 18603	Add	ldre	SEE PAG			P.O. No., Job No., etc.	
3. Work Perf	ormed by _	PPL Sus	quehanna, LLC	<u> </u>		Type Code	Symbo	ol Stamp	Non	e
	769 Sal	em Blvd, Berwid	ck, PA 18603		,	Authorizati	on No.		N/A	
		Addiess			1	Expiration	Date		N/A	
4. Indentific	ation of Syste	m	DIESEL GENE	RATOR and	JA L	JXILIARY	SYS	TEM	024A-III	
(b) Appl		of Section XI Utilized onents Repaired or F	d for Repairs or Re	•				Addenda	,	Code Case
1	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	on	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

ITEM	WORK ORDER / JOB NUMBER	CONSTRUCTION CODE	DESCRIPTION OF WORK
1 – 2	PCWO 99998 / DCP 97-9100D CRF G99-023-010	ASME SECTION III 1971 EDITION, WINTER 72 ADD.	REPLACEMENT OF BRAVO DIESEL DAY TANK LEVEL TRANSMITTER PIPING
3 - 4	PCWO 99998 / DCP 97-9100D CRF G99-023-010	ASME SECTION III 1977 EDITION, SUMMER 78 ADD.	BRAVO DIESEL DAY TANK LEVEL TRANSMITTER ISOLATION VALVE REPLACED AND DELETED DRAIN VALVE
5	PCWO 99998 / DCP 97-9100D CRF G99-023-010	ASME SECTION III 1974 EDITION, NO ADDENDA.	BRAVO DIESEL DAY TANK LEVEL TRANSMITTER REPLACEMENT ISOLATION VALVE
6 – 7	PCWO 99998 / DCP 97-9100D CRF G99-023-015	ASME SECTION III 1971 EDITION, WINTER 72 ADD.	BRAVO DIESEL DAY TANK LEVEL TRANSMITTER DELETED PIPE SUPPORTS
8 – 9	PCWO 100221 / DCP 97-9100F CRF G99-024-012	ASME SECTION III 1971 EDITION, WINTER 72 ADD.	REPLACEMENT OF DELTA DIESEL DAY TANK LEVEL TRANSMITTER PIPING
10 - 11	PCWO 100221 / DCP 97-9100F CRF G99-024-012	ASME SECTION III 1977 EDITION, SUMMER 78 ADD.	DELTA DIESEL DAY TANK LEVEL TRANSMITTER ISOLATION VALVE REPLACED AND DELETED DRAIN VALVE

1. Owner		PPL Susque		na, LLC			Date		5-J	UNE-2002	
	769 Sale	em Blvd, Berwic		PA 18603			Sheet	5	of	5	
2. Plant	Sus	Address quehanna Stear		ectric Statio		Add	Unit			ONE	
	769 Sal	em Blvd, Berwic		PA 18603		Addre		PAGE 4	AND 5	n P.O. No., Job No., etc.	
3. Work P	erformed by		sque	ehanna, LLO		Addie			_	None	
	769 Sal	em Blvd, Berwi	ck, F	PA 18603			Author	ization No	o	N/A	
		Address					Expira	tion Date		N/A	
4 Indent	tification of Syste	m	DIE	ESEL GENE	ERATOR a	nd A	AUXILI	ARY SY	'ST EM	024A-III	
5. (a) Ap (b) Ap	oplicable Constru pplicable Edition		d for	Repairs or Re	eplacements 1		89		Addend	a,	Code Case
i	Name of omponent	Name of Manufacturer	1	lanufacturer Serial No.	National Board No.			ner ication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
12		1 / DCP 97-9100F 99-024-012			ME SECTION TION, NO AD		IDA.		TRANSM	ESEL DAY TANK L IITTER REPLACEM OLATION VALVE	
13 - 14	-	1 / DCP 97-9100F 99-024-017			ME SECTION ON, WINTER		ADD.		DELTA DI TRANSM	ESEL DAY TANK L MITTER DELETED F SUPPORTS	EVEL PIPE
15 - 16		2 / DCP 97-9100G 99-023-013		1980 EDITI	ME SECTION ON, SUMME DE CASE N-3	R 81	ADD	٦	RANSMIT	ESEL DAY TANK LI TER REPLACEMER G WITH BLIND FLA	RNT OF
17		2 / DCP 97-9100G 99-023-013			ME SECTION ION, WINTER		ADD	E	TRANSMI	EL DAY TANK NEV TTER SMALL BORE INSTALLATION	
18		2 / DCP 97-9100G 999-023-013			ME SECTION TION, NO AD		NDA	TF	ECHO DI	ESEL DAY TANK L ER NEW ISOLATIO	EVEL N VALVE
19		2 / DCP 97-9100G 999-023-013			ME SECTION ON, SUMME		ADD	Т	RANSMITT	ESEL DAY TANK L ER RELOCATION	TO TANK

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of _____

	BN	L INDUST	RIES, INC.,	30 INDUSTRIAL I	ARK R	OAD, VERNON, CT	, 06066
1. Menufactured and					1	LENTOWN, PA 1810	
2. Manufactured for			Inama and addr	as of Purchaseri			
a	SUSQUEHA	NNA, 5 M	I NE OF BERW	ICK, PA, 18603			
3. Location of installs	1/2	LVE	HBV-A2-	and address 06-0058 0		CRN	
4. Model No., Series	No., or Type		Drawing	Rev	1	_ CRIV	
5. ASME Code, Sect	ion III, Division 1:	1974		deta) (class)	(Code Case no.)	
6. Pump or valve	VALVE	Nominal inlet	3/4"	Outlet size	3/4"		,
7. Material: Body _	SA-105	BonnetSA	4-105 (in.)	SA-479 Ty316	(in.) Bohting	SA-193 GrB7/SA-	-194 Gr2H
(a) Cert. Holder's	(b) Nat'l Board		(c) Body Serial	(d) Bonnet Serial		(e) Disk Serial	
Serial No.	/ No.		N82	No.	<u> </u>	No.	
	_						
					-		

^{*}Supplemental information in form of lists, skatches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Beck — Pg. 2 of ____)

			Certificate	Holder's S	erial No. A98	1004-1-	<u> </u>
						1 600#	
Design conditions		psi	*F or valve	pressure ch	DB9		(1)
Datigu conditions	(pressure)	(temperatura)					
Cold working pressure	10	pal at 100°F		1			
	/		10	530			
Hydrostatic test	2225 psi.	Disk differential test pre-	ssura				psi
Remarks:							_
							_
							_
		CERTIFICATION OF	DERIGN				
				A		19 551-E	1
t Burnelline den en en		HELLENBERGER	P.E. State		_ Reg. no		-1
sign Report cortified b					_ Reg. no		-
sign Report Cortilles o	Y						
		CERTIFICATE OF COL		u conforma	en the rules f	or constructi	ion
e certify that the state:	ments made in this I	report are correct and tha		ve conforms	to the rules f	or construct	ion
the ASME Code, Secti	ion III, Division 1.			ve conforms Expires	to the rules f	or constructi	ion
the ASME Code, Sect Certificate of Authoriz	ion III, Division 1. stian No	report are correct and the N-2882	t this pump or vah		11/10/	or constructi	ion
the ASME Code, Secti Certificate of Authoriz 06/17/99	ion III, Division 1. stion No BNL INI	N-2882			to the rules f	or constructi	ion
the ASME Code, Secti Certificate of Authoriz 06/17/99	ion III, Division 1. stion No BNL INI	report are correct and the N-2882	t this pump or vah		to the rules f	or constructi	ion
the ASME Code, Secti Certificate of Authoriz 06/17/99	ion III, Division 1. stion No BNL INI	N-2882	t this pump or vah		to the rules f	or constructi	ion
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the ASME Code, Secti Certificate of Authoriz	ion III, Division 1. stion No BNL INI	N-2882 DUSTRIES, INC.	t this pump or vah		11/10/	or constructi / 01	ion
the ASME Code, Secti Certificate of Authoriz 110 06/17/99	ion III, Division 1. ation No	N-2882 DUSTRIES, INC. Cardificate Helder	t this pump or vah Signed —	Expires	11/10/	(01	
the ASME Code, Secti Certificate of Authoriz 110 06/17/99	ion III, Division 1. ation No	N-2882 DUSTRIES, INC. Certificate Helderi CERTIFICATE OF INI	Signed SPECTION onal Board of Bo	Expires	11/10/	(01	
the ASME Code, Sectificate of Authorize 16/17/99 the undersigned, hold	ion III, Division 1. ation No	N-2882 DUSTRIES, INC. Cartificate Helder CERTIFICATE OF UNITABLE	Signed BPECTION Ional Board of Board employed by	Expires	11/10/	inspectors	and
the ASME Code, Sectificate of Authorize 16	ion III, Division 1. ation No	DUSTRIES, INC. Cartificate Helder CERTIFICATE OF UNITED IN SERVE	Signed — Signed — BPECTION Ional Board of Board employed by	Expires	11/10/	Inspectors ON INS	and
the ASME Code, Sectificate of Authorized 16/17/99 the	stion No	DUSTRIES, INC. Certificate Holder CERTIFICATE OF IN: CEUT have inap	Signed Signed BPECTION Ional Board of Bo and employed by ected the pump, of	Expires Her and Pre- COMMER! or valve, dea	11/10/	Inspectors ON INS	and
the ASME Code, Sectificate of Authorize 06/17/99 the 06/17/99 the undersigned, hold be State or Province of BOSTON, 106/17/99	stion No	DUSTRIES, INC. Cartificate Helder CERTIFICATE OF UNITED IN SERVE	Signed Signed BPECTION Ional Board of Bo and employed by ected the pump, of	Expires Her and Pre- COMMER! or valve, dea	11/10/	Inspectors ON INS	and
the ASME Code, Secting Certificate of Authorizate o	sion IN, Division 1. ation No	DUSTRIES, INC. Cardificate Helder CERTIFICATE OF IN: Ession issued by the Nati CUT have insp tate that to the best of in with the ASME Code, S.	Signed — Signed — Signed of Board of Board employed by ected the pump. (my knowledge an ection III, Division	Her and Pre- COMMEN or valve, dea d ballef, the	11/10/ Ize Depresents Esure Vessel CIAL UNI cribed in this	Inspectors ON INS.	and t on
the ASME Code, Sectificate of Authorized in	sing a valid commisconnection available in accordance and serves in accordance are neither the inspection.	DUSTRIES, INC. Cardificate Helder CERTIFICATE OF IN: Ession issued by the Nati CUT have insp tate that to the best of a with the ASME Code, Sector nor his employer in	Signed — Signed — Signed of Board of Board employed by ected the pump. (my knowledge an ection III, Division makes any warran	Her and Pre- COMMER!	11/10/ Ize Depresents Esure Vessel CIAL UNI cribed in this Certificate I	Inspectors ON INS. Data Report Holder has concerning	and ton con-
the ASME Code, Secting Certificate of Authorizate o	sion IN, Division 1. ation No	DUSTRIES, INC. Cartificate Helder CERTIFICATE OF IN: salon issued by the Nati CUT have insp tate that to the best of a with the ASME Code, S ector nor his employer in Furthermore, neither the	Signed — Signed — Signed — BPECTION Ional Board of Board employed by ected the pump, only knowledge an ection III, Division makes any warrantinspector nor his of	Her and Pre- COMMER! or valve, dea d ballef, the 1.	ssure Vessel CIAL UNI cribed in this Cartificate I ad or implied, all be liable in	Inspectors ON INS. Data Report Holder has concerning	and ton con-
the ASME Code, Sectificate of Authorizes to 206/17/99 the undersigned, holder state or Province of BOSTON, 106/17/99 tructed this pump, or very signing this certificates the critical section of the certificates the critical section of the certificates the certi	sion IN, Division 1. ation No	DUSTRIES, INC. Cardificate Helder CERTIFICATE OF IN: Ession issued by the Nati CUT have insp tate that to the best of a with the ASME Code, Sector nor his employer in	Signed — Signed	Her and Pre- COMMER or valve, dea d belief, the 1. ty, expresse s with this in	11/10/ Ize presents CIAL UNI cribed in this certificate if	Inspectors ON INS. Data Report Holder has concerning any manner	and ton con-
the ASME Code, Sectificate of Authorizes to 206/17/99 the undersigned, holder state or Province of BOSTON, 106/17/99 tructed this pump, or very signing this certificates the critical section of the certificates the critical section of the certificates the certi	ding a valid commisconnection of this Data Report.	DUSTRIES, INC. Certificate Helder CERTIFICATE OF INI CERTIFICATE OF INI COUT have insp tate that to the best of is with the ASME Code, Si ector nor his employer in Furthermore, neither the is a loss of any kind erising	Signed — Sig	Her and Pre- COMMER or valve, dea d belief, the 1. ty, expresse s with this in	ssure Vessel CIAL UNI cribed in this Cartificate I ad or implied, all be liable in	Inspectors ON INS. Data Report Holder has concerning any manner	and ton con-

(1) For manually operated valves only.

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of _____

Manufactured and car	11100 D)				_1	AD, VERNON, CI	
PEN	NSYLVANIA PO	ower & Light (CO, TWO NO	TH NINTH	T, ALL	ENTOWN, PA 1810	1
2. Manufactured for			and address of Pu	rchaseri			
3. Location of installation	SUSQUEHANN	IA, 5 MI NE OF	name and add				
4. Model No., Series No.	LTAY	/E HE Drawing	V-A2-10-00	59' A Rev		CRN	
		1974	-	3	/		
5. ASME Code, Section	III, Division 1:	(edition)	(addenda date)	(class)		(Code Case no.)	
6. Pump or valve VA	LVE No	ominal inlet size 1		Outlet siza	1"		
•	1−105 B	SA-105	(in.) SA: Disk	-479 Ty316	(in.) Bolting	SA-193 GrB7/SA	-194 Gr2H
(a)	(b)	(c)		(리)		(e)	
Cert.	Net'l	Bod	y	Bonnet		Disk	
Holder's /	Board	Seri	pi .	Serial		Serial	
Serial No.	No.	No	•	No.		No.	
A981004-2-(1THRU	2)	M160		L73		M56	
750100. 2 10.00							
						_	
							
							

^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% × 17, (2) information in items (1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of ____)

			Certifical	e Holder's	Serial No. 23010	
					ANSI 6	
Design conditions	(pressure)	psiitemperatu	of or valve	pressure c	888k	
	· ·	(tamperatu	re)			
Cold working pressure	10	psi at 100°F		,		
	225		_	630		
Hydrostatic test	pal.	Disk differential test	preseure			psi
Remarks:						
		CERTIFICATION	OF DESIGN			
	<i>1.6</i>	SHELLENBERGER		^ A	195	551-E
esign Specification certi						
esign Report certified by			P.E. State		Reg. no	
ve certify that the statem I the ASME Code, Section	on III, Division 1.	N-2882	that this pump or val		11/10/01	
Certificate of Authoriza				CAP#100	/	
06/17/99 N	BNL IN	DUSTRIES, INC.	Signed _		for	<u> </u>
)B(0	1	N Certificate Holderi		Clarko	ried sepresentativel)
				<u> </u>		
		CENTIFICATE OF	INSPECTION			
, the undersigned, holds he State or Province of	ng a valid comm	ission issued by the N	lational Board of Bo	Her and Pre	esure Vessel Inst	pectors and
he State or Province of	CONNECT	ICUT	and employed by			
, DOSION, IN	A33	have k	ispected the pump, (or valve, qe	schoed w man pe	I INTERIOR CONT
06/17/99	, and :	state that to the best	of my knowledge an	id belief, th	e Cartificate Hold	ler has con-
structed this pump, or ve	ilve, in accordanc	e with the ASME Code	, Section III, Division	1.		
			_		and an investment in the	
By signing this certificate	e, moither the ins	pector nor his employs	r makes any werren	TY, EXPISES	es or implies, col	manna ta
component described in	this Data Report.	Furthermore, neither t	ne inspector nor his i	employer sh	MEN DE NADIO IN BNI	TO STATE OF
any personal injury or pro						
Date 417/55 Signa			~~ ~B	2504	AN ET. 1	414
Date 7175 Signa	d'	Inspector)	Nat1. Bd. Ur	ci. endoreem	ents) and state or p	Lon bne .ver
·	P-GULINO-1210				<u>_</u>	

(1) For manually operated valves only.

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES® As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of _

1. Manufactured and certified by BNL INDUSTRIES, INC., 30 INDUSTRIAL PARK ROAD, VERNON, CT, 06066 PENNSYLVANIA POWER & LIGHT CO, TWO NORTH NINTH ST, ALLENTOWN, PA 18101 2. Manufactured for (North and address of Purchaser)
SUSQUEHANNA, 5 MI NE OF BERWICK, PA, 18603 3. Location of installation . (name and address) HBV-A2-10-0059 А VALVE Drawing .. 4. Model No., Series No., or Type ... 1974 3 / 5. ASME Code, Section III, Division 1: . (Code Case no.) (class) 1" VALVE Nominal inlet size Outlet size 6. Pump or valva. (Br.) SA-479 Ty316 Bolting SA-193GrB7/SA-194Gr2H / SA-105/ SA-105 / Diek 7. Material: Body (d) (0) (a) (a) (P) Disk Nat'l Body Bonnet Cert. Seriel Serial Serial Holder's Board No. No. No. No. Serial No. N218 L73 A990801-2-(1) M160 N218 L73 A990801-2-(2)/ N56

(12/88)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Feirfield, NJ 07007-2300.

^{*}Supplemental information in form of lists, electrics, or drawings may be used provided (1) size in 8 k × 11, (2) information in hema 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

or Toformation Only

FORM NPV-1 (Back - Pg. 2 of _2_)

			Cartificate Holder's S	A990801-2-{1
				ANSI 600#
Design conditions	(presente)	psiitemperature)	*F or valve pressure ci	
	10	(comperatora)		
Cold working pressure .		psi et 100°F		
2:	225		1630	
Hydrostatic test	pal.	Disk differential test pro	ISSUF B	Р
Remarks:				
				
		CERTIFICATION OF	DESIGN	
	D.M. 0	GROVES	PA	24926-E
mign Specification certifi	ied by			. Reg. no
seign Report certified by			P.E. State	Reg. no.
		CENTIFICATE OF CO		
/e certify that the statemer			MPLIANCE It this pump or valve conforms	
	n III, D ivision 1,	report are correct and the		to the rules for construction
the ASME Code, Section Certificate of Authorizati	n III, Division 1, ion Na	report are correct and the N=2882	nt this pump or valve conforms Expires	
the ASME Code, Section Certificate of Authorizati 06/01/00	n III, Division 1, ion NoBNL INI	report are correct and the	nt this pump or valve conforms	
the ASME Code, Section Certificate of Authorizati 06/01/00	n III, Division 1, ion NoBNL INI	report are correct and the N-2882 DUSTRIES, INC.	nt this pump or valve conforms Expires	11/10/01
the ASME Code, Section Certificate of Authorizati	n III, Division 1, ion NoBNL INI	report are correct and the N-2882 DUSTRIES, INC.	t this pump or valve conforms Expires Signed(a.galori:	11/10/01
the ASME Code, Section Certificate of Authorizat the	n III, Division 1. ion No BNL INI	report are correct and the N-2882 DUSTRIES, INC. Certificate Holderi	Signed Signed Signed September 1 Signed September 1 Signed 1 September 1 Signed 1 September 1 Septembe	11/10/01
the ASME Code, Section Certificate of Authorizat 06/01/00 Ner The undersigned, holding State or Province of	n III, Division 1. ion No	report are correct and the N=2882 DUSTRIES, INC. CONTROL Holder CERTIFICATE OF INI CERTIFICATE OF INI CUIT	Expires Signed	11/10/01 zed (personnistive) zurie Vessel inspectors and TAL UNION INS.
the ASME Code, Section Certificate of Authorizate 06/01/00 New the undersigned, holding State or Province of BOSTON, MA	n III, Division 1. ion No	report are correct and the N-2882 DUSTRIES, INC. CERTIFICATE OF INI	Expires	21/10/01 zed Coresentative) sure Vessel inspectors and TAL UNION INS.
the ASME Code, Section Certificate of Authorizat 06/01/00 Nex the undersigned, holding State or Province of BOSTON, HA 06/01/00	BNL INI BNL INI BNL INI CONNECTI	report are correct and the N-2882 DUSTRIES, INC. CONTRICATE OF INI CENTRICATE OF INI CENTRICATE OF INI COUT heve inspected that to the best of re-	Expires Signed Signed Expires Signed Signed Signed Expires	21/10/01 zed Coresentative) sure Vessel inspectors and TAL UNION INS.
the ASME Code, Section Certificate of Authorizat 106/01/00 Note 106/01/00 Note 106/01/00 Note 106/01/00	BNL INI BNL INI BNL INI CONNECTI	report are correct and the N-2882 DUSTRIES, INC. CERTIFICATE OF INI	Expires Signed Signed Expires Signed Signed Signed Expires	21/10/01 zed Coresentative) sure Vessel inspectors and IAL UNION INS.
the ASME Code, Section Certificate of Authorizate 06/01/00 North Market Code, Section North Market Code, Section North Market Code, North Market	g a valid commis CONNECTI	CENTIFICATE OF INIC. LEVEL TO THE PROPERTY OF INIC. THE PROPERTY OF INI	Signed Expires	11/10/01 zed Coresentative) sura Vessel inspectors and IAL UNION INS. cribed in this Data Report of Certificate Holder has core
the ASME Code, Section Certificate of Authorizate 106/01/00 North Market State of Province of BOSTON, MA 106/01/00 Tructed this pump, or value of significate, with section of the pump of the certificate, with significate states of the pump of the certificate.	g a valid commits CONNECTI SS , and st	CERTIFICATE OF INIC. INIC	Signed Expires	21/10/01 End Coresentative) Sure Vessel inspectors and IAL UNION INS. Entitled in this Data Report of Certificate Holder has conducted or implied, concerning the
the ASME Code, Section Certificate of Authorizate 106/01/00 Nex the undersigned, holding State or Province of BOSTON, MA 106/01/00 ructed this pump, or value y signing this certificate, component described in the	g a valid commit CONNECTI SS , and st	CEPTIFICATE OF INITIAL INTO THE PROPERTY OF INITIAL INITIALIAL INITIAL INITI	Signed Expires	sure Vessel inspectors and TAL UNION INS. Tribed in this Data Report of Certificate Holder has conditionally the liable in any manner for the liable in any mann
the ASME Code, Section Certificate of Authorizate 106/01/00 Nex the undersigned, holding State or Province of BOSTON, MA 106/01/00 ructed this pump, or value y signing this certificate, component described in the	g a valid commit CONNECTI SS , and st	CEPTIFICATE OF INITIAL INTO THE PROPERTY OF INITIAL INITIALIAL INITIAL INITI	Signed Expires	sure Vessel inspectors and TAL UNION INS. Tribed in this Data Report of Certificate Holder has conditionally the liable in any manner for the liable in any mann
the ASME Code, Section Certificate of Authorizate 106/01/00 Nex the undersigned, holding State or Province of BOSTON, MA 106/01/00 ructed this pump, or value y signing this certificate, component described in the	g a valid commit CONNECTI SS , and st	CEPTIFICATE OF INITIAL INTO THE PROPERTY OF INITIAL INITIALIAL INITIAL INITI	Signed Expires	sure Vessel inspectors and TAL UNION INS. Tribed in this Data Report of Certificate Holder has conditionally the liable in any manner for the liable in any mann

[1] For manually operated valves only.

1. Owner	PPL Susquel			Date	04	4/25/2002	
769 Sa	Nam Iem Blvd, Berwid			Sheet	1 of	1	
2. Plant Sus	Address squehanna Stear		on	Unit		ONE	
769 Sa	Name lem Blvd, Berwid			ECO 1794			
3. Work Performed by	Address PPL Sus	squehanna, LLC	<u> </u>	·	ū	n P.O. No., Job No., etc. None	,
	lem Blvd, Berwic			Authorization N	lo	N/A	
	Address			Expiration Date		N/A	
4. Identification of System	m	F	<u>EEDWATER</u>	SYSTEM 145A	CLASS	ļ	
5. (a) Applicable Constr (b) Applicable Edition	uction Code <u>ASM</u> of Section XI Utilize	IE Section III 19 d for Repairs or Re	71 Edition eplacements 19	Winter 72			ode Case
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	BECHTEL	N/A	N/A	SPDBA103- H2000	1982	REPLACED	NO
MECH SNUBBER	PACIFIC SCIENTIFIC	6668	N/A	SPDBA103- H2000	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SPDBA107- H2000	1982	REPLACED	NO
MECH SNUBBER	PACIFIC SCIENTIFIC	13970	N/A	SPDBA107- H2000	1981	REPLACED	N/A
							<u> </u>
			•				
7. Description of Work		REM	OVE SNUBB	ER / NO REPL	ACEMEN	IT	
8. Tests Conducted:	Hydrostatic Pres	Pneumatic [Operating Pressurest Temp.	e	-	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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 Applicable Const	truction Code: ASME III 19	971 Edition thru Winter	1972 Addenda.
1" & smaller Nuclear Clas	s I piping designed in acco	ordance with the rules of	of Nuclear Class 2 piping
per ASME III, 1974 Edition	n, Summer 1975 Addenda,	paragraph NB-3630.	CODE CASE N-411
	CERTIFICATION	OF COMPLIANCE	
We certify that the statemen ASME Code, Section XI.	ts made in the report are correct	and this REPLACEMEN repair or replacement	
Type Code Symbol Stamp		N/A	
Certificate of Authorization No.	N/A	Expiration	N/A
Certificate of Authorization No. Signed Owner or Owner's Designee.	lie	Date June	N/A , 20 = 2
Signed Solut	lie	Date June	
Signed Solut	lie	Date Since	,20 - 2
I, the undersigned, holding a valid or Province of PENNSYLVANIA JOHNSTON, RHODE ISLAND	Title Supv Site Modifications Gro CERTIFICATION OF IN commission issued by the Nation and employed by	Date SERVICE INSPECTION al Board of Boiler and Press FACTORY MUTUAL INS have inspec	N Sure Vessel Inspectors and the State
I, the undersigned, holding a valid or Province of PENNSYLVANIA JOHNSTON, RHODE ISLAND in this Owner's Report during the p to the best of my knowledge and by	CERTIFICATION OF IN commission issued by the Nation and employed by eriod 8 - 2 1 - 0 / elief, the Owner has performed e	SERVICE INSPECTION al Board of Boiler and Press FACTORY MUTUAL INS have inspect to 3- xaminations and taken corre	N Surre Vessel Inspectors and the State URANCE CO. of cited the components described A - () 2 and state that
I, the undersigned, holding a valid or Province of PENNSYLVANIA JOHNSTON, RHODE ISLAND in this Owner's Report during the p to the best of my knowledge and be Owner's Report in accordance with By signing this certificate neithe examinations and corrective measurements.	CERTIFICATION OF IN commission issued by the Nation and employed by eriod	Date SERVICE INSPECTION all Board of Boiler and Press FACTORY MUTUAL INS have inspected to 3 - / xaminations and taken coffee Code, Section XI. makes any warranty, express aport. Furthermore, neither	inver Vessel Inspectors and the State URANCE CO. of cited the components described A 2 , and state that citive measures described in this sed or implied, concerning the the Inspector nor his employer
I, the undersigned, holding a valid or Province of PENNSYLVANIA JOHNSTON, RHODE ISLAND in this Owner's Report during the p to the best of my knowledge and book owner's Report in accordance with By signing this certificate neithe examinations and corrective measus shall be liable in any manner for an inspection.	CERTIFICATION OF IN commission issued by the Nation and employed by eriod 8 - 2 1 - 0 / elief, the Owner has performed enthe requirements of the ASME Out the Inspector nor his employer of the Inspector nor hi	Date SERVICE INSPECTION al Board of Boiler and Press FACTORY MUTUAL INS have inspect to 3- xaminations and taken corrected, Section XI. makes any warranty, express eport. Furthermore, neither hage or a loss of any kind are	were Vessel Inspectors and the State URANCE CO. of cited the components described and state that citive measures described in this sed or implied, concerning the the Inspector nor his employer ising from or connected with this
I, the undersigned, holding a valid or Province of PENNSYLVANIA JOHNSTON, RHODE ISLAND in this Owner's Report during the p to the best of my knowledge and book owner's Report in accordance with By signing this certificate neithe examinations and corrective measus shall be liable in any manner for an inspection.	CERTIFICATION OF IN commission issued by the Nation and employed by eriod 8 - 2 1 - 0 / elief, the Owner has performed enthe requirements of the ASME Out the Inspector nor his employer of the Inspector nor hi	Date SERVICE INSPECTION al Board of Boiler and Press FACTORY MUTUAL INS have inspect to 3- xaminations and taken corrected, Section XI. makes any warranty, express eport. Furthermore, neither hage or a loss of any kind are	were Vessel Inspectors and the State URANCE CO. of cited the components described and state that citive measures described in this sed or implied, concerning the the Inspector nor his employer ising from or connected with this
I, the undersigned, holding a valid or Province of PENNSYLVANIA JOHNSTON, RHODE ISLAND in this Owner's Report during the p to the best of my knowledge and bo Owner's Report in accordance with By signing this certificate neithe examinations and corrective measus shall be liable in any manner for an inspection. William R. Togust Inspector's Signature.	CERTIFICATION OF IN commission issued by the Nation and employed by eriod 8 - 2 1 - 0 / elief, the Owner has performed enthe requirements of the ASME Out the Inspector nor his employer of the Inspector nor hi	Date SERVICE INSPECTION al Board of Boiler and Press FACTORY MUTUAL INS have inspect to 3- xaminations and taken corrected, Section XI. makes any warranty, express eport. Furthermore, neither hage or a loss of any kind are	inver Vessel Inspectors and the State URANCE CO. of cited the components described A 2 , and state that citive measures described in this sed or implied, concerning the the Inspector nor his employer

FORM R-1 REPORT OF WELDED REPAIR

in accordance with provisions of the National Board Inspection Code

1. Work performed by		PPL Susquehanr			002, 003, 004
7	07 Salem Blvd. Berwi	(name of repair organ ck, PA 18603	ization)	318013, 31803	33, 390136
2. Owner	(address)	PPL Sus	squehanna, LLC	(P.O. No., Job	No etc.)
	70	7 Salem Blvd. Ber	wick, PA 18603		
3. Location of installar	tion	(address	PPL Susquehann	a, LLC	
		7 Salem Blvd. Ber			
4. Unit identification	Feedwater Heater	Name of origin	al manufacturer _	Struthers Industr	ries, Inc.
5. Identifying nos.:	01-06-54356-1	6362 (National Board No.)	570250	1E103A (other)	2002 (year built)
6. NBIC Edition/Adde	· ·	2001 (edition)		2001 (addenda)	
Original Code of C	onstruction for Item:	ASME Sec. \		1998 Edition w/ 2000	
Construction Code	Used for Repair Perfo		ME Sec. VIII Div. 1	1998 Ed. v	w/ 2000 Add.
		raphite Pressure	name/section/division) Equipment	☐ FRP Pressure Equi	vaddenda) ipment
8. Description of work		f base metal dama	age on nozzles N2	, N4, and N6.	
		(450 05			
	Pressure T	est, if applied 1	N/A psi	MAWP _75 int. /	15 ext. psi
9. Replacement Parts:	Attached are Manuf	acturer's Partial I	Data Reports or Fo	rm R-3s properly	
	completed for the fo	ollowing items of	this report:		
None					
			e, mfr's name and identifying	stamn)	
10. Remarks: Surface					
				-	
	C	ERTIFICATE OF	COMPLIANCE		
LENMAND B GERE	ACH PG. certify the	nat to the best of my	y knowledge and bel	ief the statements in this r	report are correct
and that all material, cor	istruction, and workman	iship on this Repair	conforms to the Na	tional Board Inspection C	ode. 2002
National Board "R" Cer	tificate of Authorization	1 No54-	ed Expire	s on November 3,(dutherized representative)	2002
Date <u>5/68</u> . 200	(name of repair or	ganization)		(dutherized representative)	
		CERTIFICATE OI	FINSPECTION		
Delton E. Ti	lety, holding	a valid Commission	n issued by The Nati	onal Board of Boiler and	Pressure Vessel
Inspectors and certificat	e of competency issued	by the jurisdiction	ofPennsylva	nia and e	employed by
Factory Mutual Insu	rance Company	of Johnsto	on, Rhode Island	the best of my knowleds	have re and belief this
inspected the work desc work complies with the	ribed in this report on _	of the National Bo	and state that to	the best of my knowledg	ge and benef tills
Work complies with the	applicable requirements te. neither the undersion	s of the National Bo ned nor my employe	er makes any warran	ty, expressed or implied.	concerning
the work described in th	is report. Furthermore,	neither the undersign	gned nor my employ	er shall be liable in any n	nanner for
any personal injury, pro	perty damage or loss of	any kind arising fro	om or connected wit	h this inspection.	
Date 4-3,20	^	/ / / / /		S Pac 23 (National Board (incl end	dorsements
	-	(inspector)		(National Board (inc) end and jurisdiction, an	nd no)

FORM R-1 REPORT OF WELDED REPAIR in accordance with provisions of the National Board Inspection Code

1. Work performed by	PPL Susquehanna, LLC	G02-147-005
707 Calam Blu	(name of repair organization)	(Form R No.) 318490
	d. Berwick, PA 18603 (address)	(P.O. No , Job No. etc.)
2. Owner	PPL Susquehanna, LLC	
	(name) 707 Salem Blvd. Berwick, PA 18603	
	(address)	
3. Location of installation	PPL Susquehanr	na, LLC
	707 Salem Blvd. Berwick, PA 18603	
4. Unit identification Feedwater	Heater Name of original manufacturer	Struthers Industries, Inc.
5. Identifying nos.: 01-06-54356 (mfg serial no.)		1E103C 2002 (other) (year built)
6. NBIC Edition/Addenda:	2001	2001 (addenda)
Original Code of Construction fo	or Item: ASME Sec. VIII Div. 1	1998 Edition w/ 2000 Addenda
Construction Code Used for Rep	air Performed: ASME Sec. VIII Div.	1 1998 Ed. w/ 2000 Add.
	(name/section/division) Graphite Pressure Equipment	(edition/addenda)
	repair of base metal damage on nozzle N1	_ , ,
8. Description of work. veided	(use supplemental sheet, Form R	4, if necessary)
Dr	essure Test, if applied N/A psi	MAWP 75 int. / 15 ext. psi
	e Manufacturer's Partial Data Reports or Fo	
completed f	for the following items of this report:	Sill it be properly
None		
7,0,10		
	name of part, item number, data report type, mfr's name and identifying in performed on weld preparation and final v	
10. Remarks: Surface examination	in performed on weld preparation and imark	veid surfaces.
	CERTIFICATE OF COMPLIANCE	
Forma Rhoping PF	certify that to the best of my knowledge and be	lief the statements in this report are correct
and that all material construction and	workmanship on this Repair conforms to the Na	ational Board Inspection Code.
National Board "R" Certificate of Auth	orization No. 5449 expir	es on November 32002
Date 3/28, 2007 PPL	norization No. 5449 expir Susquehanna, LLC Signed e of repair organization)	of & Seclark
/ (nam	e of repair organization)	(authorized representative)
	CERTIFICATE OF INSPECTION	
DeHan F Tillery	holding a valid Commission issued by The Nat	ional Board of Boiler and Pressure Vessel
Inspectors and certificate of competence	y issued by the jurisdiction ofPennsylv	ania and employed by
Factory Mutual Insurance Company	of Johnston, Rhode Island	have
inspected the work described in this rep	port on $4-3$, 2002 and state that t	
work complies with the applicable requ	irements of the National Board Inspection Cod	e.
By signing this certificate, neither the u	indersigned nor my employer makes any warrar	nty, expressed or implied, concerning
the work described in this report. Furth	nermore, neither the undersigned nor my emplo	yer shall be hable in any manner for th this inspection
any personal injury, property damage o	or loss of any kind arising from or connected wi	
Date $4-3$, 2002 Signed 5	O. E. Tulloup Commission	(National Board (Inc. endorsements),
		and jurisdiction, and no.)

Owner	PPL Susquel	nanna, LLC		Date	04-	Jan-2001	
Two Nor	h Ninth St., Allent	town, PA 18101	1	Sheet	1 Of	1	
Diant SI	Address squehanna Stear	n Electric Statio	on	Unit		One	
	Name		,	WO's: C600	07 & C60008	B DCP's: 94-3023B	3 & C
PO Box 467 /	707 Salem Blvd.,	Berwick, PA	18603	Service Orde Re	r: 140747-C pair Organization	P.O. No., Job No., etc.	
. Work Performed by	PPL Sus	quehanna, LLC	<u>. </u>	Type Code Syr	nbol Stamp	None	
Two Nor	th Ninth St., Allen		1	Authorization N	lo	N/A	
				Expiration Date	·	N/A	
4. Identification of Syste	em		149A-III, Re	sidual Heat Re	emoval		
5. (a) Applicable Cons	ruction Code	<u> </u>	71 Edition,	thru W'72	,	N/A Co	ode Case
, , , ,	n of Section XI Utilize				_		
Identification of Com	ponents Repaired or F	Replaced and Repla	acement Compor	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes or No)
RHR Motor Oil Cooler	General Electric	D90450-001D	N/A	1E217B	1990	Replaced	No
RHR Motor Oil Cooler	General Electric	94G620-001-05	N/A	1E217B	1994	Replacement	No
RHR Motor Oil Cooler	General Electric	D90451-001D	N/A	1E217C	1990	Replaced	No
RHR Motor Oil Cooler	General Electric	94G620-001-07	N/A	1E217C	1994	Replacement	No
RHR Motor Oil Cooler	General Electric	94G620-001-06	N/A	1E217D	2000	Repaired	No
7. Description of Work 8. Tests Conducted:	Hydrostatic		X Nominal	Operating Pressu		AL6XN materia	als.

9. Remarks Motor Oil Coolers were replaced during Unit 1, Cycle 9, and should have been included in the
Unit I, 9 th Outage Summary Report. The repair 1E217D Motor Oil was completed during the Unit I, 12 th RIO,
and should have been included in the Unit I, 12 th Outage Summary Report.
This condition is documented on Deficiency Report CR-266792.
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. repair or replacement repair or replacement
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed A Date Date 9, 2001 Owneyor Owner's Designee, Title Supv Site Modifications Group
CERTIFICATION 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period Ass. 23 / 196 to JAW. 97 200 / , 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. Commissions NB 7525 IBNA PA 2/59 Inspector's Signature National Board, State, Province, and Endorsements
Date JAN 9" 200/

1. Owner	PPL Susque			Date	. 04	4/25/2002	
769 Sa	lem Blvd, Berwic			Sheet	1 of	1	
2. PlantSu	squehanna Stear		on	Unit		ONE	
769 Sa	Name lem Blvd, Berwid			ECO 179459			
3. Work Performed by	Address PPL Sus		C	Rep Type Code Syn	ū	n P.O. No., Job No., etc. None	
769 Sa	lem Blvd, Berwi	Name ck, PA 18603		Authorization N	O.	N/A	
	Address		· · · · · · · · · · · · · · · · · · ·	Expiration Date		N/A	
4. Identification of Syste	m	RESIDUA	AL HEAT REI	MOVAL SYSTE	M 149C	CLASS I	
5. (a) Applicable Constr (b) Applicable Edition	ruction CodeAsm	e Section III 19	71 Edition	Winter 72		N-411 C	ode Case
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCA117-H14	1982	REPLACED	NO
MECH SNUBBER	PACIFIC SCIENTIFIC	13470	N/A	SPDCA117-H14	1981	REPLACED	N/A
	Hydrostatic Pres	Pneumatic	Nominal	ER / NO REPL Operating Pressure est Temp.			

recorded at the top of this form.

Remarks .	Applicable Constructi	on Code: ASME III	1971 Edition thru W	inter 1972 Adder	nda.
_1" & sm	aller Nuclear Class I p	iping designed in ac	cordance with the ru	iles of Nuclear C	lass 2 piping
per ASN	ME III, 1974 Edition, Su	ımmer 1975 Addend	la, paragraph NB-36	330.	
				-	· · · · · · · · · · · · · · · · · · ·
		CERTIFICATIO	N OF COMPLIANC		
	ertify that the statements ma e, Section XI.	de in the report are corre	ect and this REPLACE repair or rep		o the rules of the
Type Cod	le Symbol Stamp		N/A		
Certificate	of Authorization No.	N/A	Expiration	N/	'A
Signed	Owner of Owner's Designee Title	Supv Site Modifications 0	Date Ju,	~ / Z	, 20 0 2
					
	CE	ERTIFICATION OF I	NSERVICE INSPE	CTION	
or Province of	igned, holding a valid comm of <u>PENNSYLVANIA</u> ON, RHODE ISLAND	ission issued by the Natio	FACTORY MUTUA	Pressure Vessel Insp. INSURANCE CO. Inspected the compor	of
in this Owne to the best of Owner's Rep	r's Report during the period f my knowledge and belief, to port in accordance with the re	equirements of the ASME	examinations and taker Code, Section XI	20-02 corrective measures	, and state that described in this
By signing examinations	g this certificate neither the I s and corrective measures d e in any manner for any pers	Inspector nor his employe lescribed in this Owner's I	er makes any warranty, e Report. Furthermore n	either the Inspector of	or his employer
Wille	Inspector Signature	Comn	nissions NB 79 80	A.M.I. B.NS	PA ZZO4
Date	20		148101181 208 1	e, otate, i lovilice, al	id Endoisements

1. Owner	PPL Susqueh			Date	06	6/05/2002	
769 Sal	em Blvd.; Berwic	-		Sheet1	of	1	
Plant Sus	Address quehanna Stean		on	Unit		One	
769 Sal	Name em Blvd.; Berwic			DCP: 352940			
. Work Performed by	Address PPL Sus	quehanna, LLO	<u> </u>	Rep Type Code Sym	-	P.O. No., Job No., etc. None	
769 Sal	em Blvd.; Berwic	ck, PA 18603		Authorization N	o	N/A	
				Expiration Date		N/A	
4. Identification of System	n	CC	ORE SPRAY	SYSTEM, 151A	Class	!!	
 (a) Applicable Constru (b) Applicable Edition 	of Section XI Utilized	E Section III 19 d for Repairs or Re	71 Edition eplacements 19	Winter 72 89 NO ADD.	Addenda,	NONE Co	de Case
6. Identification of Compo	onents Repaired or R	Replaced and Repl	acement Compo	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/8" STAINLESS STEEL TUBING RUN	BECHTEL	N/A	N/A	JD-28-6-1A	1982	REPLACED	YES
3/8" STAINLESS STEEL TUBING RUN	PPL	N/A	N/A	JD-28-6-1A	2002	REPLACEMENT	NO
3/8" STAINLESS STEEL TUBING RUN	BECHTEL	N/A	N/A	JD-28-6-1B	1982	REPLACED	YES
3/8" STAINLESS STEEL TUBING RUN	PPL '	N/A	N/A	JD-28-6-1B	2002	REPLACEMENT	NO
7. Description of Work		Installation of	f new tubing t	o relocated inst	trument ra	ack 1C057	
	Hydrostatic Dother Pres	Pneumatic N/A		Operating Pressure st Temp.	• □ N/A °f	:	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.

CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this SME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration N/A Expiration N/A Certificate of Authorization No. N/A Expiration N/A Certificate of Authorization No. N/A Expiration N/A CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND Thave inspected the components described this Owner's Report during the period JOHNSTON, RHODE ISLAND Thave inspected the components described this Owner's Report during the period JOHNSTON, RHODE ISLAND Thave inspected the components 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 aminiations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer aspection.	Remarks NONE	
We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement	Applicable Manufacturer's Data Reports to be attached	
We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement		
We certify that the statements made in the report are correct and this SME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owne(or Owner's Designee, Mile Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND This Owner's Report during the period 3-4-02 to 4-21-02 and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher'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 raminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.		
We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement		
We certify that the statements made in the report are correct and this SME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owner's Designee, file Supv. Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND In Supring the period The Designee 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 saminations and 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 saminations and accordance with the requirements of the SME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection. Commissions NIG 79 80 A. N. I. B. NS PAZZO 4 National Board, State, Province, and Endorsements		
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Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owner or Owner's Designee, fille Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND Italis Owner's Report during the period 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 reall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.		
Certificate of Authorization No. N/A Expiration N/A Signed Owne(or Owner's Designee, Title Supv. Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND In this Owner's Report during the period 3-4-02 to 4-21-02, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this where'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 xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.		!
Certificate of Authorization No. N/A Expiration N/A Signed Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. That inspection is provided the components described this Owner's Report during the period 3-4-0-2 to 4-21-0-2 and state that of 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 caminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	NOME Code, Section XI.	
Certificate of Authorization No. N/A Expiration N/A Signed Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. That inspection is provided the components described this Owner's Report during the period 3-4-0-2 to 4-21-0-2 and state that of 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 caminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	Type Code Symbol Stamp	
Signed CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND This Owner's Report during the period 3-4-02 to 4-21-02, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this water'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 saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	N/A	
CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described 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 nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	Certificate of Authorization No. N/A Expiration N/A	
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CERTIFICATION OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Factory Mutual Insurance Co. of have inspected the components described this Owner's Report during the period 3-4-0-2 to 4-21-02, and state that 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 nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	- Calin Jone 12	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Factory Mutual Insurance co. of Johnston, Rhode Island and employed by have inspected the components described to have inspected the components described to to $\frac{1}{2} - \frac{1}{2} - \frac{1}{$		
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Factory Mutual Insurance co. of Johnston, Rhode Island and employed by have inspected the components described to have inspected the components described to to $\frac{1}{2} - \frac{1}{2} - \frac{1}{$	CERTIFICATION OF INCERNICE INCRESSION	
and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND this Owner's Report during the period The best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner'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 saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	CERTIFICATION OF INSERVICE INSPECTION	
have inspected the components described to $\frac{1}{2}$ to $\frac{1}{2}$ and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher'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 caminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S	_
this Owner's Report during the period $3-4-62$ to $4-21-62$, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wher'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 xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.		of
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By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	5
kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	Ry signing this certificate neither the inspector not be ASME Code, Section XI.	
nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.	xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector not his employer	
spection.	hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	į.
Commissions N37980 A. N. I. B. NS PAZZO 4 Inspector's Signature Attended to the state of the st	spection.	
Inspector's Signature Attended to the state of the state	William Day of the state of the	
ate June 21 2002	Inspector's Signature Commissions NS 7780 A. N. I. B. N. PAZZO 4	
ate J UNE 21 20 02	inational board, State, Province, and Endorsements	5
	ate J UNE 21 20 02	

1. Owner		PPL Susque			Date	0-	4/30/2002	
76	69 Sale	em Blvd, Berwic			Sheet1	of	3	
2. Plant	Sus	quehanna Stear	n Electric Statio	on	Unit		1	
76	59 Sal	em Blvd, Berwic	ck, PA 18603		319558 3463	28	9462, 319466, 31946 n P.O. No., Job No., etc.	58,
3. Work Performed	d by _	PPL Sus	squehanna, LLO	<u> </u>	Type Code Sym			
76	59 Sal	em Blvd, Berwi			Authorization No	D	N/A	
		Vadiess			Expiration Date		N/A	
4. Identification of	System	ı	153A – ST	ANDBY LIQU	IID CONTROL S	SYSTEM	CLASS II	
		ction Code				Addenda,	See Remark Co	de Case
(b) Applicable	Edition	of Section XI Utilize	d for Repairs or Re	eplacements 19	_89	Code Cas	se N416-1	
6. Identification of	f Compo	nents Repaired or F	Replaced and Repl	acement Compo	nents			
Name of Component	t	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Small Pipe Flan	nges	Bechtel	N/A	N/A	SPDCB101-1	1982	REPLACED	Yes
Small Pipe Fla	nges	PPL	HT# C5257	N/A	SPDCB101-1	2002	REPLACEMENT	No
Spring and Sp Step	ring	LONERGAN	VALVE S/N 510138-1-14-1	N/A	PSV148029A	1979	REPLACED	Yes
Spring and Sp Step	ring	LONERGAN	VALVE S/N 510138-1-14-1	N/A	PSV148029A	2002	REPLACEMENT	No
Small Pipe Fla	nges	Bechtel	N/A	N/A	SPDCB101-2	. 1982	REPLACED	Yes
Small Pipe Fla	nges	PPL	HT# HN051	N/A	SPDCB101-2	2002	REPLACEMENT	. No
Spring and Sp Step	ring	LONERGAN	VALVE S/N 510138-1-14-2	N/A	PSV148F029B	1979	REPLACED	Yes
7. Description of V	Work			* SE	E REMARKS	 		
8. Tests Conducte		lydrostatic Dther Pres	Pneumatic sure 1400		Operating Pressure est Temp.	X 72°f	=	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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 Rerated the piping (SPDCB101-1, 2, 3, 4, 5, 6, 7, 8) pumps (1P208A/B) and valves
(PSV148F029A/B). Replace spring and step spring in PSV's. Replace the pump discharge flanges from
600# to 1500#. Install new (rerate nameplates) with new design pressure of 1500PSI on components.
Piping DCB-101; Valve PSV148F029A/B. Replaced plunger in 1P208B.
Construction Code for LONERGAN:ASME Section III, 1974 Edition thru Winter 1974; Code Case N-1555
Construction Code for SLC Pumps: ASME Section III, 1968 Edition.
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. Repair Replacement repair or replacement repair or replacement
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Owner or powner's Designee, Title Supv Site Modifications Group
CERTIFICATION 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 9-28-01 to 3-29-02, 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. Commissions NB7980 A.N. I. B.NS PAZEO4 National Board, State, Province, and Endorsements
Commissions NB7980 A, N, I, B, NS PAZZO 4 Inspector Signature Date TUNE 17 2002

1. Owner		PPL Susquel	nanna, LLC.		Date	04	4/30/2002		
	769 Sal	em Blvd, Berwi	ck, PA 18603	<u> </u>	Sheet	Sheet of 2			
2. Plant	Sus	Address quehanna Stear	m Electric Statio	Unit		1			
		Name	2				9462, 319466, 3194	68,	
	769 Sa	lem Blvd, Berwic	CK, PA 18603		319558, 3463 Rep	28 air Organizatio	n P.O. No., Job No., etc.		
3. Work Perf	ormed by	PPL Sus	squehanna, LLC	<u>. </u>	Type Code Syn	nbol Stamp	None		
	769 Sal	em Blvd, Berwi	ck, PA 18603		Authorization N	o	N/A		
		Address			Expiration Date		N/A		
4. Indentifica	ation of Syste	em	153A – ST	ANDBY LIQU	JID CONTROL	SYSTEM	CLASS II		
5. (a) Appli	cable Constru	uction Code of Section XI Utilize	 19	71 Edition			See Remark Coase N416-1	ode Case	
6. Identificat	tion of Compo	onents Repaired or F	Replaced and Repla	acement Compo	nents				
	ne of ponent			National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
	nd Spring	LONERGAN	VALVE S/N 510138-1-14-2	N/A	PSV148F029B	2002	REPLACEMENT	No	
	olt/Nut	Bechtel	N/A	N/A	SPDCB101-1	SPDCB101-1 1982 REPLACED		Yes	
Stud B	olt/Nut	PPL	Stud Bolt HT#04617; Nut HT#HDF	N/A	SPDCB101-1	SPDCB101-1 2002 REPLACEMEN		No	
Stud B	olt/Nut	Bechtel	N/A	N/A	SPDCB101-2	1982	REPLACE	Yes	
Stud B	olt/Nut	PPL	Stud Bolt HT#04617; Nut HT#HDF	N/A	SPDCB101-2	2002	REPLACEMENT	No	
SLC Pu	ımp "A"	Union	S/N 284222	N/A	1P-208A	1973	REPLACED	Yes	
SLC Pu	ımp "A"	Union	S/N 284222	N/A	1P-208A	2002	REPLACEMENT	No	
SLC Pu	ımp "B"	Union	S/N 284223	N/A	1P-208B	1973	REPLACED	Yes	
SLC Pu	ımp "B"	Union	S/N 284223	N/A	1P-208B	2002	REPLACEMENT	No	
SPDCB10	sometrics 01-3, 4, 5, and 8	Bechtel	N/A	N/A	N/A	1982	REPLACED	Yes	

1. Owner	Dwner PPL Susquehanna, LLC.						Date04/30/200		
	760 60					Chack	2 .4	3	
	769 Sa	lem Blvd, Berwi	CK, PA 10003			Sheet	3 of		
2. Plant	Sus	squehanna Stea	m Electric Stati	on		Unit		1	
-		Nam				DCD 348380	DOMO 24	2462 240466 24046	
	769 Sa	lem Blvd, Berwi	ck, PA 18603			319558, 3463	328	9462, 319466, 31946	08,
		Address				Rep	air Organizatio	n P.O. No., Job No., etc.	
3. Work Perf	ormed by	PPL Sus	squehanna, LL0	Ο.		Type Code Syn	nbol Stamp	None	
	_		Name						
	769 Sa	em Blvd, Berwi	ck, PA 18603			Authorization N	o	N/A	
,		Address							
						Expiration Date		N/A	
4. Indentifica	ation of Syste	em	153A – ST	ANDBY LIC	QUID	CONTROL	SYSTEM	CLASS II	
5 (a) Applio	cable Constru	uction Code	III 19	71 Editi	ion.	thru W'72	Addenda.	See Remark Co	de Case
		of Section XI Utilize						se N416-1	
6 Identificat	tion of Comp	onents Repaired or I	Replaced and Repl	acement Com	none	nts			
o. identinos	don or oomp	onemo Nepaneo or r	replaced and repl	accinent com	pone				
Nam Comp	ne of oonent	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping Is SPDCB10 6, 7 a	01-3, 4, 5,	PPL	N/A	N/A		N/A	2002	REPLACEMENT	No
PLUN		Union	S/N 284223	N/A		1P-208B	1971	REPLACED	Yes
PLUN	IGER	Union	S/N 284223	N/A		1P-208B	2002	REPLACEMENT	No
SPDCB1	101-H37	Bechtel	N/A	N/A	- 5	SPDCB101-H37	1982	REPAIRED	No

1. Owner		PPL Susque			Date			
-	769 Sal	lem Blvd.; Berwi	ck, PA 18603		Sheet	o	f <u> </u>	
2. Plant	Sus	squehanna Stear		on	Unit		One	
	769 Sal	em Blvd.; Berwin	-			<u>/546 & 18982</u>	28 on P.O. No., Job No., etc.	
3. Work Per	formed by	PPL Sus	squehanna, LL	С	Type Code S			
	769 Sal	em Blvd.; Berwie			Authorization	No	N/A	
					Expiration Da	ite	N/A	
4. Identifica	ition of Systen	n	REAC	TOR WATE	R CLEANUP,	161B Cl	ass III	
5. (a) Appl	icable Constru	JOHOTH OOGC	raft ASME 19 mp & Valve	68 Edition	n,	Addenda	, NONE C	ode Case
(b) Appl	icable Edition	of Section XI Utilize	d for Repairs or Re	eplacements 19	89,NO ADD.	<u> </u>		
6. Identifica	ition of Compo	onents Repaired or F	Replaced and Repl	acement Compo	onents			
Name of Component		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PROXIMIT (4 EA.)	Y PROBE	HAYWARD TYLER	U12H91823 (PUMP MOTOR)	N/A	SPARE(PUMF	P) 199 1	REPLACED	NO
PLUG (4 E	A) -1/2"	BONNEY	N/A	N/A	(1)HT. # 916 (3) – HT. # 920		REPLACEMENT	NO
1/4"PROXII PROBE –(2		HAYWARD TYLER	U12H91823 (PUMP MOTOR)	N/A	SPARE (PUMF	7) 1991	REPLACED	NO
PLUG (2EA	A) — 1/4"	BONNEY		N/A	HEAT #CK43	1984	REPLACEMENT	NO
				I	I	I		J
7. Description	on of Work	REPLACED	PROXIMITY P	ROBES WIT	H PIPE PLUG	S ON PU	MP MOTOR U12	2H91823
8. Tests Co		lydrostatic Dther Press	Pneumatic sure		Operating Pressuest Temp.	re°F	NONE CON	DUCTED
		tal sheets in form of		or drawings may	be used, provide			

recorded at the top of this form.

9. Remarks
NO CODE DATA REPORTS ARE APPLICABLE TO THE PIPE PLUGS USED TO REPLACE THE
PROXIMITY PROBES IN ACCORDANCE WITH PCWO's 189828 & 267546, AND DCP 224005
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. REPLACEMENT repair or replacement conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Owner's Designee, Title Supv Site Modifications Group
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 100, 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. Commissions NG 7980 A.N.E.B.N. PA 2704 National Board, State, Province, and Endorsements
Date JUNE 21 2002

1. Owner		ehanna, LLC	Date 4/25/2002					
Two No	rth Ninth St., Aller		Sheet	1 of	1 of3			
2. Plant So	usquehanna Stea		Unit		One			
769 S	alem Blvd, Berwi	•		DCP 316329	, 316330, 3 ⁻	345886, 345891 16331, 316332 n P.O. No., Job No., e		
3. Work Performed by	PPL Su	squehanna, LL	.C	Type Code Syr				
Two Nor	th Ninth St., Allen	itown, PA 1810	01	Authorization N	lo	N/A		
				Expiration Date		N/A		
4. Identification of Syste	em		162A, Rea	ctor Vessel; CI	ass 1			
5. (a) Applicable Const	ruction Code n of Section XI Utilize				Addenda,	1535-2	Code Case	
6. Identification of Comp								
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
26" MSIV	Atwood & Morrill	1-221	NA	HV141F022A	/141F022A 1974		Yes	
26" MSIV	Atwood & Morrill	1-221	NA	HV141F022A	1974	Repaired	Yes	
Super Bolts (torque nut assemblies)	Atwood & Morrill	N/A	NA	HV141F022A	2001	Replacement	No	
Poppet	Welding Services, Inc	245951-5	NA	HV141F022A	2001	Replacement	Yes	
Bonnet Cover	Atwood & Morrill	H3391-3	. NA	HV141F022A	2001	Replacement	Yes	
Pilot Poppet	Atwood & Morrill	54682-5	NA	HV141F022A	2001	Replacement	Yes	
Body/Bonnet Stud	Atwood & Morrill	NA	NA	HV141F022A	2001	Replacement	No	
	lydrostatic D	Pneumatic	Nominal Op	ics and mainta perating Pressure Temp. 14	X	f MSIVs SE-100-0	002	
NOTE: Supplemention in items 1 throuse recorded at the top of	tal sheets in form of ugh 6 on this report of this form.	lists, sketches, or is included on ear	drawings may both sheet, and (3	e used, provided () each sheet is nu	1) size is 8 Imbered an	½ in. x 11 in., (2 d the number of	2) informa- f sheets is	

9. Remarks

Installation work performed by Continental Field Systems, Inc. under their National Board NR Program. National Board Forms NR-1 and ASME Forms N-2 are attached.
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. Repair or replacement repair or replacement repair or replacement
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Control Owner's Designee, Title Supv Site Modifications Group Date Viene 26 , 2002
CERTIFICATION 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described in this Owner's Report during the period Z-ZB-OZ to 6·24·0Z, 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. Commissions NB7980 A,N.I.B,NS PAZZ04 National Board, State, Province, and Endorsements Date Jure 28 2002

1. Owner		PPL Susque	ehanna, LLC	Date4/25/2002				
	Two Nor	th Ninth St., Aller	Sheet	2 of	3			
2. Plant	Su	squehanna Stea	Unit		One			
	769 Sa	Nam alem Blvd, Berwi			DCP 316329	, 316330, 3	, 345886, 345891 16331, 316332	
3. Work Perl	formed by	Address PPL Su	squehanna, LL	.C	Re Type Code Syr	_	on P.O. No., Job No., etc. None	
	Two Nor	th Ninth St., Aller	Name atown, PA 1810)1	Authorization N	lo.	N/A	
		Address			Expiration Date		N/A	
4. Identifica	tion of Syste	ım		162A, Rea	actor Vessel; Cl	ass 1		
(b) Appli	icable Editio	ruction Code n of Section XI Utilize conents Repaired or F	d for Repairs or R		89	Addenda	1535-2 C	ode Case
		 	· · · · · · · · · · · · · · · · · · ·		7	1	Ţ	,
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
26" N	MSIV	Atwood & Morrill	2-221	NA	HV141F022B	1974	Replaced	Yes
26" N	ISIV	Atwood & Morrill	2-221	NA	HV141F022B	1974	Repaired	Yes
Super Boli nut asse		Atwood & Morrill	N/A	NA	HV141F022B	2001	Replacement	No
Рор	ppet	Welding Services, Inc	245951-4	NA	HV141F022B	2001	Replacement	Yes
Bonnet	Cover	Atwood & Morrill	H3391-5	NA	HV141F022B	2001	Replacement	Yes
Pilot P	oppet	Atwood & Morrill	54682-7	NA	HV141F022B	2002	Replacement	Yes
Body/Bon	inet Stud	Atwood & Morrill	NA	NA	HV141F022B	2001	Replacement	No
26" M	ISIV	Atwood & Morrill	3-221	NA	HV141F022C	1974	Replaced	Yes
26" M	ISIV	Atwood & Morrill	3-221	NA	HV141F022C	1974	Repaired	Yes
Super Bolt nut asse		Atwood & Morrill	N/A	NA	HV141F022C	2001	Replacement	No
Pop	pet	Welding	245951-8	NA	HV141F022C	2001	Replacement	Yes

1. Owner		PPL Susquel		Date	Date 4/25/2002				
	Two North	_{Nam} h Ninth St., Allen		Sheet	3 of	3			
		Address							
2. Plant	Sus	squehanna Stear	n Electric Station	Unit	······································	One			
	769 Sa	lem Blvd, Berwic	ck, PA 18603	DCP 31632	9, 316330, <u>31</u>	345886, 345891 6331, 316332 7 P.O. No., Job No., etc.			
		Address				,			
3. Work P	erformed by	PPL Sus	squehanna, LL(Name	<u> </u>	Type Code Sy	mbol Stamp	None	-	
	Two North	h Ninth St., Allen	town, PA 1810	1	Authorization	No	N/A		
		Address			Expiration Date	te	N/A		
4. Identifi	cation of Syster	m		162A, Rea	ictor Vessel; C	Class 1			
	-	uction Code			thru S' 71	Addenda,	1535-2	Code Case	
		of Section XI Utilize			89				
, , ,	•								
6. Identifi	cation of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents				
	ame of mponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Bon	net Cover	Atwood & Morrill	H3391-8	NA NA	HV141F022C	2001	Replacement	Yes	
]	1101 0010	,					•		
Pilo	ot Poppet	Atwood & Morrill	54682-8	NA	HV141F022C	2001	Replacement	Yes	
Body/E	Bonnet Stud	Atwood & Morrill	NA	NA	HV141F022C	2001	Replacement	No	
26	6" MSIV	Atwood & Morrill	4-221	NA	HV141F022D	1974	Replaced	Yes	
26	6" MSIV	Atwood & Morrill	4-221	NA	HV141F022D	1974	Repaired	Yes	
Super E	Bolts (torque ssemblies)	Atwood & Morrill	N/A	NA	HV141F022D	2001	Replacement	No	
	Poppet	Welding Services, Inc	245951-9	NA	HV141F022D	2001	Replacement	Yes	
Boni	net Cover	Atwood & Morrill	H3391-9	NA	HV141F022D	2001	Replacement	Yes	
Pilo	ot Poppet	Atwood & Morrill	54682-9	NA	HV141F022D	2001	Replacement	Yes	
Body/F	Bonnet Stud	Atwood & Morrill	NA	NA	HV141F022D	2001	Replacement	No	

FORM NR-1 REPORT OF REPAIR MODIFICATION OR REPLACEMENT TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

		TO NL	JCLEAR (COMPON	IENTS A	ND SY	STEMS	IN N	UCLE	AR POWE	R PLANT	'S	
1. Wor	k perfo	ormed by_	Contin					Inc			3218		
	22 T	Jostant	e Blvd.		me of NR ce innah,						(P.O. no	., job no., et	c.)
	23 V	vestgat	e biva.	Java		iress)	1405						
2. Owi	ner	PPL L	LC		· · · · · · · · · · · · · · · · · · ·								
	2 No	orth Ni	nth Str	·eet Δ		oten	ኮ Δ 18	R101					
	2 110	JI CII III				iress)					·		
3. Nan	ne, add	lress and id	lentification	of nuclea	r power p	olant	Susqu	ehar	ina S	team El	ectric		
	<u>5 Ni</u>	les No	rth of	Berwic	k, PA		Sa	1em	Twp,	PA			
			HV141F							.m	•		
o. a: .	Items v	vnich Keqi	штес керап	r, Modifica	ition, or F	Keplacen	nent Act	ivities	See	Attache	d		
			Identi	fication						Construction	Code		Activity
T	ype of	Mfg.	Mfg.	Nat'l Bd.	Jurisd.	Other	Year	Na	me/	Edition/	Code	Code	Repair/
No	Item	Name	Serial No.	No.	No.		Built		ion/ ision	Addenda	Case(s)	Class	Mod/ Replace
1		<u> </u>					 -						
2							ļ						
3										-	-		
4								-				<u> </u>	
5 6							 						
7													
8													
9		ļ				 	 	+				<u>.</u>	
10 11			-				<u> </u>	 					
12													
i h	Items I	nstalled Di	ıring Repla	cement Ac	tivities	See	Atta	ched					
	Tene 1	Towned 5		Identifica							Constructi	on Code	
Туре		Installed o	1 0 1	Mfg	Nat'l	1 1		Other Year			Edition		
Ite	m	Replaced 5a Item No		Serial No). No	0.	No		Built	Section/ Division	Addend	a Case	(s) Class
					 								
	_									1_			
					-							 	
												<u> </u>	
										+	 		
 -							1_		<u> </u>		J		
6. ASN	1E Cod	le Section X	I applicabl	e for inser	vice inspe	ection: _	198 (ed	9 ition)		N/A (addenda) -	N/A (C∞de	Cases(s))
7. ASN	IE Cod	le Section X	I used for 1	epairs, mo	odificatio	ns, or re			198 (edition	9 N.	A enda)	N/A (Code	Cases(s))
3. Con	structio	on Code us	ed for repa	irs, modifi	cations, c	or replac	ements:	_1	971 (edition)	(adde	5 71 enda)	N/A	Cases(s))
			s: Atwo							,-22	,		
0. Tes	ts conc	lucted: hyd	lrostatic 🗌	pneuma	tic∐ d	lesien pi	essure [_	ressure	N/A psi	Code Cas	se(s)	

11. Description of work: See Attac	hed		
(use of proper	rly identified additional sheet(s) or	sketch(es) is acceptable)	
12. Remarks: <u>See Attached</u>	_ 		
	····		
			· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·		
			
	,		*
•			
			
r David I WaCarbd	CERTIFICATE OF COM		
I, <u>David McCathie</u> certify tha	t to the best of my knowl	edge and belief the sta	tements made in this report are
correct and the repair, modification or replac	ement activities described	l above conforms to Se	ection XI of the ASME Code and
the National Board Inspection Code "NR" ru National Board Certificate of Authorization N			. 5/25 2003
NR Certificate Holder <u>Continental</u>			expires 5/25 2003
Date 6/18 2002 Signed Date	hampho (=177. A	Inc	Control Manager
Date 11/18 ZIMZ Signed Diffe	(authorized representative)	Quality	Control Manager (title)
	CERTIFICATE OF INSP	ECTION	
I, WILLIAM R. ROGERS III, holding a			d of Boiler and Pressure Vessel
Inspectors and certificate of competency issue	ed by the jurisdiction of	PENNSYLVANIA	and employed by
FACTORY MUTUAL INSURANCE	COMPANY	of JOHNSTON	R.I. have
inspected the repair, modification or replacen			ZOOZ and state that to the
best of my knowledge and belief, this repair,			
Section XI of the ASME Code and the Nation	al Board Inspection Code	"NR" rules.	•
By signing this certificate, neither the undersi			pressed or implied, concerning
the work described in this report. Furthermor	re, neither the undersigne	d nor my employer sh	hall be liable in any manner for
any personal injury, property damage or loss	of any kind arising from	or connected with this	s inspection.
Date JUNG 24 2002 Signed Will	in R. Ruguett		87980A.N.J.R.NS P42204
	(inspector)		. endorsements), jurisdiction, and no.)

•

Report of Repair / Replacement

Job Number 3218

Worked Performed by Continental Field Systems

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022A

Items Which Required Repair, Modification, or Replacement Activities

Construction Code

No	Type of Item	Mfg. Name	Mfg. Serial	Nat'l Bd. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace
1	MSIV	A&M	1-221	N/A	N/A	N/A	1974	ASME III /NB	1971/\$71	1535-2	I	Repair
2							<u> </u>					

Items Installed During Replacement Activities

	Identificatio	n							Construction	Code	
Item	Installed/ Replaced	MFG. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
Poppet	Replaced	WSI	5	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Bonnet	Replaced	A&M	3	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Pilot Poppet	Replaced	A&M	5	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	<u>I</u>
				ļ		-					
	-					-					
			1	1			l	l	, L		

Report of Repair / Replacement

Worked Performed by **Continental Field Systems** 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022A

6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A

(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989 N/A N/A (edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1971 Summer 71

(edition) (addenda) Code Case

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

12. Remarks: (3) appendages were attached to the poppet to facilitate installation of the re-designed poppet.

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Manu	ufactured and certified by			ces, Inc. 222 (name and addi	ress of NPT C	ertificate Hok	ser)		
Mani	ufactured for	Atwood 8	3 Morril	Co. 285 Car	al Street.	Salem, MA	01970		
				name and addre			, DA 196	ะกร	
Loca	tion of installation	PPL Su	squehar	nna Nuclear (name	Power Plan and address)	n. DerWICK	, FA. 100	,03	
	4 4 4 D D	SA 105 Gr.II	70 () Ksi		N/A		200	11
Туре	32461-022 1311	•	(lensile			(CRN)		(year l	ouill)
	(drawing no.)	•				1		N/A	•
ASM	E Code, Section III, Division	(edition)		addenda date)		(class)	-	(Code Ca	-
Fabr	icated in accordance with (Const. Spec. (Div. 2 only		N/A	Revision		N/A	_ Date	N/A
		•		(no.)					
	narks: 21° MSIV Valve Po	onnet SA 105 Gr.II with S	FA 5.13	Alloy 21 Ste	ellite 21 Ha	rdsurfacin	g. Heat#	245951 for SA	105 G
	-								
He	at #s 00-21-01, 00-21-05,0	0-21-06,101001836, 01-	.0876 ar	nd 1210-NO	332R125 TO	r Stemte 2			
		·				·		·	·
Nom	. Thickness (in.) N/A	Min. design thickness (in.)	N/A	Dia.	D (ft & in.)	21" Nom. OD	Length o	overall (ft & in.)	31"
		- 	for each	tom of this ren	ort:		_		
Whe	n applicable, Certificate Holder	s Data Reports are attached	Tor each t	rem or mis rep				 	
	Part or Appurtenance	National	1	٠	Part or App			National	
	Serial Number	Board No.	·]		Serial N	umber		Board No In Numerical	
		In Numerical Order							
(1)	245951-1			(26)					
(2)	245951-2			(27)					
(3)	245951-4		-	(29)					
- (4) -	245951-5	 		(30)					·
(5) (6)	245951-7 245951-8			(31)					
(7)	245951-9								
(8)				(33)					
(9)		 		(34)					
(40)				(36)					
(10)		L.							
(11)				(38)					
(11) (12)				(39)					
(11) (12) (13)		1		(40)					
(11) (12) (13) (14)				(* 1)					
(11) (12) (13) (14) (15)				(42)					
(11) (12) (13) (14) (15) (16) (17)				(42)					
(11) (12) (13) (14) (15) (16) (17) (18)				(43)					
(11) (12) (13) (14) (15) (16) (17) (18) (19)				(43)					
(11) (12) (13) (14) (15) (16) (17) (18) (19) (20)				(43) (44) (45) (46)					
(11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)				(43) (44) (45) (46) (47)					
(11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)				(43) (44) (45) (46) (47) (48)					
(11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)				(43) (44) (45) (46) (47) (48) (49)					

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept., ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300. Reprint (7/91)

FORM N-2 (Back - Page 2 of 2)

	Certificate Ho	older's Serial Nos. Ht #	245951	through $1,2,$	4,5,7,8,9
			<u>-</u>		
	CERTIFICATION O	FDESIGN			
and the second	. Boyd P. Brooks	P.E. State	CA	Reg. No.	13655
Design Specifications certified by	(when applicable)				
Description by	Herbert Cook	P.E. State	MA	Reg. No.:	10981
Design Report* certified by	(when applicable)				
	CERTIFICATE OF CO	MPI IANCE	<u></u>		· · · · · · · · · · · · · · · · · · ·
	CERTIFICATE OF CO	MIL FIVIOR	•		
		21" MSIV Valve Por	pets	:	
We certify that the statements made in	n this report are correct and that this (these) on of the ASME Code, Section III, Division 1.				
NPT Certificate of Authorization No.	N-2873	Expires	November 13		
Date 12-10-01 Name	Welding Services Inc.	_ Signed	i. W L	13 YEPE	7
	(NPT Certificate Holder)		(authoriz	ed representative)	
	CERTIFICATE OF IN	ISPECTION			
		•		oten and the Chair	or Province of
	ng a valid commission issued by the National Bo and employed	ard of Boiler and Pressu t by The Hartford St	re Vessel Inspe eam Boiler Insp	ection and Insurar	ice Co.
Georgia of Hartford, CT	the stand these items described in this I	ata Report on Dec	ember 10, 200	1 and sta	ile that to the
hast of my knowledge and belief	the Certificate Holder has fabricated these	parts or appurtenances	in accordance	with ASME Co	ie, Section III,
Division 1. Each part listed has been	authorized for stamping on the date shown abo		a limited con	seroing the equin	nent described
By signing this certificate, nei	ther the inspector nor his employer makes ar neither the inspector nor his employer shall be	liable in any manner for	any personal i	injury or property	damage or loss
of any kind arising from or connected	with this inspection.		•		
Singal	11.17191111	ommissions NB # 11	465 ABN, GA#	393	
Date 12-10-01 Signed	(Authorized Nuclear Impector)	[Nat1. Bd	(incl. Endorsem	ents) and stale or po	ov, and no.j
L					

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

	•				04070	
Manufa	actured and certified by	Atwood & Morrill Co., In	 c. 285 Canal Street s of NPT Certificate Holder) 	t Salem, M	IA 01970	<u> </u>
Manufa	ctured for Pennsylva	·	wick. PA 18603			
Manuia			(name and address of Purch			
Locatio	on of installation Susc	quehanna II 2 North Nin	h Street Allentown,	PA 18101-	1179	
		(nam	e and address)			2001
Type:	*32162-409-D R	ev. 1 SA 105 GR (mar), spec. no.)	81,600 PSI (tensile strength)		N/A (GRN)	(year built)
	(drawing no.)		S71	1		N/A
ASME	Code, Section III, Division	11: 1971 (edition)	(addenda date)	(class)		(Code Case no.)
-	ated in accordance with Co	•	N/A Revision	N/A	Date	N/A
Fabrica			(no.)			
Remar	ks: Cust. Item 01 A	&M Item 11 Qty. 3 Cove	r A&M P/N 32162-4	09-2974-00	0_QLA	on of ASME
_(A&	M S O 90168) *Dwg	, prepared by A&M. This	s certification meets	the required	u inioiman	OII OF ACIVIL
Sec	tion III 1971 Edition s	summer 1971 addenda				
Nom 3	Thickness (in.) 5 312	Min. design thickness (in.)	5.094 Dia. ID (ft & i	n.) <u>N/A</u>	Length over	rall (ft& in.) N//
	_		ing the same of the same			
When	applicable, Certificate Holi	ders' Data Reports are attache	d for each item of this re	port.		
						I-N-m-1
F	Part or Appurtenance	National	Part or Appu Serial No		1	National oard No.
	Serial Number	Board No. In Numerical Order	Selial IV			nerical Order
		III Maniericai Ci aci				,
(1)	HT: H3391 S/N 1	N/A	(26)			
(2)	HT: H3391 S/N 2	N/A	(27)			
(3)	HT: H3391 S/N 3	N/A	.(28)		 	
(4)			(29)			
(5)			(30)		 	
(6)			(31)			
(7)			(32)		 	
(8)			(34)			
(9)	<u></u>		(35)		 	
(10)			(36)			
(11)			(37)			•
(12)			(38)			
(13) (14)			(39)			
(15)			(40)			
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(18)			(43)			
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(19))	<u> </u>	(45)			
(19) (20)		1				
(20))		(46)			
(20) (21)			(47)			
(20) (21) (22)		,	(47)			
(20) (21)		,	(47)	·		

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certif	icate Holders' Serial Nos.	HT: H3:	391 S/N 1 thro	ugh S/N 3
	CERT	FICATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
•	CERTIF	ICATE OF COMPLIANCE	:		
We certify that the statements made in this conforms to the rules of construction of the	s report are correct and a ASME Code, Section	that this (these)		Cover	
NPT Certificate of Authorization No.	N2607	Expires		6-13-04	4
Date <u>/2/14/0/</u> Name		Iorrill Co., Inc.	Signed	Sauthonzed	Sullive representative)
	CERTI	FICATE OF INSPECTION			
I, the undersigned, holding a valid comm	ission issued by the Nat	ional Board of Boiler and I	Pressure Ves	sel Inspectors and I	the State or Province of
New York An	d employed by	ems described in this Date	H.S.B.	1 & I. Co.	, and state that to the
of Hartford, CT Best of my knowledge and belief, the Cer 1, Division 1. Each part listed has been a y signing this certificate, neither the insp in this Data Report. Furthermore, neither loss of any kind arising from or connected	tificate Holder has fabric authorized for stamping lector nor his employer i the Inspector nor his er	ated these parts or appurt on the date shown above.	enances in a	eccordance with the lled, concerning the or any personal injur	ASME Code, Section equipment described y or property damage or
Date 12/14/61 Signed	(authorized		Commissions	NYSU70 [Natl Bd. (incl. Endorse	ements) and state or prov. and no.]

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

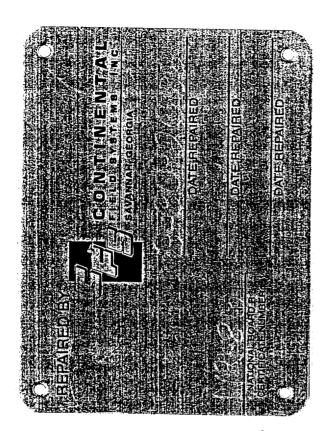
Pg. 1 of 2

Manufac	ctured and certified by	Atwood & Morrill Co., In	c. 285 Canal Street	Salem, M	A 01970	
	-	·	s of NPT Certificate Holder)			
Manufad		nia Power & Light Be	(name and address of referee			
Location	n of installation Susq	uehanna II 2 North Nint	th Street Allentown, F	A 18101-	1179	
Type:	*32462-613-C R	ev.0 SA 479-304	85,700 PSI		N/A	2001
1750.	(drawing no.)	(matil. spec. no.)	(tensile strength)	_	(CRN)	• •
ASME (Code, Section III, Division	1: 1971 (edition)	S71 (addenda date)	(class)		N/A (Code Case no.)
r .k	ited in accordance with Co	,	N/A Revision	N/A	Date	N/A
Fabrica			(no.)	62 613 42	- 26-121 OL	A .
Remark	ks: Cust. Item 01 A	&M Item 11 Qty. 8 Pilot prepared by A&M. This	Poppet A&M P/N 324	e required	informatio	n of ASME
(A&I)	M S.O. 90168) *DWg.	Summer 1971 addenda	S CETHICATION NICOLO II			
Sect	non III 1971 Collon C		D: 15 (8.0 in)	N1/A	Length overa	ill (ft& in.) N//
Nom. T	hickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & in.)	<u>N/A</u>	Lengar over	1477
		ders' Data Reports are attache	d for each item of this repo	rt:	,	
wnen a	applicable, Celtificate Hold				т	
		National	Part or Appurt	enance	N	ational
P	art or Appurtenance Serial Number	Board No.	Serial Nun			ard No.
	Selial Mollines	In Numerical Order	1 1		In Num	erical Order
	•		(26)		·	
(1)	HT: 54682 S/N 1	N/A	(26)			
(2)	HT: 54682 S/N 2	N/A	(27)			
(3)	HT: 54682 S/N 3	N/A	(29)			
(4)	HT: 54682 S/N 4	N/A	(30)		 	
(5)	HT: 54682 S/N 5	N/A N/A	(31)			
(6)	HT: 54682 S/N 6	N/A N/A	(32)			
(7).	HT: 54682 S/N 8	N/A	(33)			
(8)	HT: 54682 S/N 9	17/7	(34)			
(9)			(35)			
(10)			(36)			
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(12)			(38)			
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(16) (17)			(43)			
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(16) (17) (18) (19)			(44) (45) (46) (47)			
(16) (17) (18) (19) (20) (21)			(44) (45) (46) (47) (48)			
(16) (17) (18) (19) (20) (21) (22)			(44) (45) (46) (47)			

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

·	Certificate Hol	ders' Serial Nos.	HT: 5468	2 S/N 1 through	S/N 6, 8 & 9
	CERTIFIC	ATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFICA	TE OF COMPLIANC	E	·	
We certify that the statements made in th conforms to the rules of construction of the	is report are correct and that he ASME Code, Section III, D	this (these)	<u> </u>	Pilot Poppe	t .
NPT Certificate of Authorization No.	N2607	Expires _		6-13-04	4
Date /2/17/0/ Name	Atwood & Morr	ill Co., Inc.	Signed	Southorized (authorized	representative)
	•	ATE OF INSPECTION		ccal inspectors and i	the State or Province of
l, the undersigned, holding a valid comπ	nission issued by the Nationa	l Board of Boiler and			the State or Province of
New York of Hartford, CT st of my knowledge and belief, the Ce Division 1. Each part listed has been By signing this certificate, neither the ins in this Data Report. Furthermore, neithe loss of any kind arising from or connecte Date 2/17/01 Signed	pector nor his employer maker the inspector nor his emplo	these parts or appu he date shown above es any warranty, exp yer shall be liable in	ita Report on intenances in a	accordance with the dilied, concerning the or any personal injur	equipment described
	(3) to our 12 and 11 and 11				· ·



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;	FORM NR- TO NU									OR REP AR POWEI			
_	rformed by_		(na	me of NR o	ertificate	holder)	Ir	ıc				218 ., job no., et	c.)
	estgate	Blvd.	Savann		A 31	405							· · · · · · · · · · · · · · · · · · ·
2. Owner_	PPL LL	.C		•	ŕ								
0.37	. 1 37.5 .			,	ıme)	.	010						
_ 2 No:	rth Nint	n Stree	et, Al		wn , iress)	PA 1	810) 1					
3. Name, a	ddress and ic	lentification	of nuclea	r power j	olant_		Sus	que	hann	a Steam	Elect	ric	
_5 Mi	les Nort	h of Be	rwick,	PA			Sal	em	Twp,	PA			
	_1=62A s Which Requ											·	
					черисс					See Att	ached		
		Identi	fication							Construction	Code		Activity
No Item		Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Othe	r Yea Bui	- 1	Sec	me/ tion/ ision	Edition/ Addenda	Code Case(s)	Code Class	Repair/ Mod/ Replace
1													
2	 	ļ			-		_						
4									+		<u> </u>	 	
5										-		-	
6							\Box						
7	_				ļ								
9									+			 	
10													
11						, _							
12						Ц						<u> </u>	
5. b: Items	Installed Du	ıring Replac	ement Ac	tivities	Se	e At	tad	che	d				
			ldentifica								Constructi	on Code	
Type of Item	Installed o Replaced 5a Item No	Name	Mfg Serial No	Nat'l . No		Jurisd No	O	ther	Year Built	Name/ Section/ Division	Edition, Addend		
				+			-		L. <u></u>	 	1	 	
		1		+			+				1	+	+
					_		-			1			
		+		+	-		-			1		-	-
											1		
		_					├-			 			
	l <u></u>			<u> </u>		_ 	1			<u> </u>	L		
6. ASME Co	ode Section X	I applícable	for inserv	rice inspe	ection:	19	89 (editio	on)		N/A (addenda	-	N/ (Code	A Cases(s))
' ASME Co	ode Section X	I used for re	epairs, mo	dification	ıs. or r	eplacer	nent	s: 1	989	N	/A	N	/ A

8. Construction Code used for repairs, modifications, or replacements:

9. Design responsibilities: Atwood & Morrill Co.

10. Tests conducted: hydrostatic pneumatic design pressure

1971 (edition)

 $pressure \underline{N/A} \quad psi \quad Code \; Case(s)$

11. Description of work:	See Attached
•	(use of properly identified additional sheet(s) or sketch(es) is acceptable)
	,
-	
12. Remarks: See Att	ached Manufacturer's Data Report
	•
	CERTIFICATE OF COMPLIANCE
I, <u>David McCathie</u>	certify that to the best of my knowledge and belief the statements made in this report are
correct and the repair, modi	fication or replacement activities described above conforms to Section XI of the ASME Code and
the National Board Inspection	on Code "NR" rules.
National Board Certificate of	of Authorization No. <u>NR-86</u> to use the "NR" stamp expires <u>5/25</u> , <u>2003</u>
NR Certificate HolderC	
Date 6/18, 2002 Si	
	(authorized representative) (title)
	CERTIFICATE OF INSPECTION
I, WILLIAM P. ROGER	5 are, holding a valid commission issued by The National Board of Boiler and Pressure Vessel
Inspectors and certificate of	competency issued by the jurisdiction of PENNSYLVANIA and employed by
FACTORY MUTUAL I	NSURANCE COMPANY OF JOHNSTON RI have
inspected the repair, modific	ration or replacement described in this report on 4-1, 2002 and state that to the
best of my knowledge and b	pelief, this repair, modification or replacement activity has been completed in accordance with
	e and the National Board Inspection Code "NR" rules.
	either the undersigned nor my employer makes any warranty, expressed or implied, concerning
the work described in this re	eport. Furthermore, neither the undersigned nor my employer shall be liable in any manner for
any personal injury, propert	y damage or loss of any kind arising from or connected with this inspection.
Date Junie 24, 2002	Signed William R. Rogers TL Commissions NB 79 BOA, N. J. B. NS PA 2204
	(inspector) (National Board (incl. endorsements), jurisdiction, and no.)

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: **PPL LLC**2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022B

Items Which Required Repair, Modification, or Replacement Activities

Identification

Identii	ication							C	onstruction (Code	
Type of Item	Mfg. Name	Mfg. Serial #	Nat'l Bd. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace
MSIV	A&M	2-221	N/A	N/A	N/A	1974	ASME III /NB	1971/871	1535-2	Í	Repair
T	ype of Item	ype of Item Mfg. Name	ype of Item Mfg. Name Mfg. Scrial #	ype of Item Mfg. Name Mfg. Serial Nat'l Bd. No.	ype of Item Mfg. Name Mfg. Scrial Nat'l Bd. Jurisdiction No. No. No.	ype of Item Mfg. Name Mfg. Serial Nat'l Bd. Jurisdiction Other No. No.	Ype of Item Mfg. Name Mfg. Serial Nat'l Bd. No. Jurisdiction No. Other Built	Ype of Item Mfg. Name Mfg. Scrial Nat'l Bd. No. Jurisdiction No. Other Built Year Division	ype of ItemMfg. NameMfg. Scrial #Nat'l Bd. No.Jurisdiction No.Other OtherYear BuiltName/ Section/ DivisionEdition / Addenda	ype of ItemMfg. NameMfg. Serial #Nat'l Bd. No.Jurisdiction No.Other 	Ype of Item Mfg. Name Mfg. Serial Nat'l Bd. No. Jurisdiction No. Other Built Year Division Name/ Section/ Edition / Addenda Code Class Case(s)

Items Installed During Replacement Activities

	Identificatio	n			Construction Code								
Item	Installed/	MFG.	Mfg. Serial	Nat'l	Jurisd. No.	Other	Year Built	Name/	Edition/	Code	Code		
	Replaced	Name	No.	Bd. No.				Section/	Addenda	Case(s)	Class		
								Division					
Poppet	Replaced	WSI	4	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I		
Bonnet	Replaced	A&M	5	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I		
Pilot Poppet	Replaced	A&M	7	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I		
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	I		
						ļ			<u> </u>				
	1												

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022B

6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A

(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989 N/A N/A (edition) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1971 Summer 71

(edition) (addenda) Code Case

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

12. Remarks: (3) appendages were attached to the poppet to facilitate installation of the re-designed poppet.

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Manufactured and certified by	Welding	Services, Inc. 2225 Skylar (name and address of NP	Certificate Holder)	<u> </u>								
Manufactured for	Atwood &	Atwood & Morril Co. 285 Canal Street. Salem, MA 01970 (name and address of Purchaser) PRI Susquebanna Nuclear Power Plant. Berwick, PA. 18603										
				18603								
Location of installation	PPL Susc	(name and addre	ss)									
. •	0 4 405 Call	70.0 Ksi	N/A	2001								
Type: A & M Dwg D- 32467-622 R/7	SA 105 Gr.II		(CRN)	(year buill)								
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	4	N/A								
ASME Code, Section III, Divis	ion 1:	S 1971(addenda dale)	(class)	(Code Case no.)								
	· · · · · · · · · · · · · · · · · · ·		n N/A	Date N/A								
Fabricated in accordance with		(no.)										
Remarks: 21° MSIV Valve F	oppet SA 105 Gr.II with SF	A 5.13 Alloy 21 Stellite 21	Hardsurfacing, Hea	t # 245951 for SA 105 Gr.								
Remarks. 21 Mort Valvo	<u></u>		5 for Stellite 21									
Heat #s 00-21-01, 00-21-05,	00-21-06,101001836, 01-0	18/6 and 1210-100632K12	J for Otenice 21									
	•		<u> </u>									
	and the leader (in)	N/A Dia. ID (ft & in	.) 21" Nom. Leng	gth overall (ft & in.) 31°								
Nom. Thickness (in.) N/A	Min. design thickness (in.)											
When applicable, Certificate Holde	r's Data Reports are attached for	or each item of this report:										
when applicable, Certification	<u></u>	i I		National :								
Part or Appurtenance	. " National		Appurtenance al Number	Board No.								
Serial Number	Board No.	Sei "	31 1101110-01	In Numerical Order								
	In Numerical Order		į									
(1) 245951-1		(26)										
(1) 245951-1 (2) 245951-2		(27)										
(3) 245951-4		— (20) (29)										
(4) 245951-5		(30)										
(5) 245951-7		(31)										
		(32)										
(6) 245951-8												
(7) 245951-9		(33)										
(7) <u>245951-9</u> (8)		(33)										
(7) 245951-9 (8) (9)		(33)(34)(35)										
(7) 245951-9 (8) (9) (10)		(33) (34) (35) (36)										
(7) 245951-9 (8) (9) (10) (11)		(33) (34) (35) (36) (37)										
(7) 245951-9 (8) (9) (10) (11) (12)		(33) (34) (35) (36) (37) (38)										
(7) 245951-9 (8) (9) (10) (11)		(33) (34) (35) (36) (37) (38) (39)										
(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15)		(33) (34) (35) (36) (37) (38)										
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(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44)										
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(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)										
(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47)										
(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)										
(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49)										
(7) 245951-9 (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)		N/A at te								

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept., ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-2 (Back - Page 2 of 2)

•	Certificate Ho	ider's Serial Nos. Ht #	245951	_ through1,2	2,4,5,7,8,9
		DECION			
	CERTIFICATION OF	DESIGN			
	David B. Basaka	P.E. State	CA	Reg. No.	13655
Design Specifications certified by	Boyd P. Brooks (when applicable)			_ ' ' '	
•	(Wilett applicable)			Dec No.	10981
Design Report® certified by	Herbert Cook	P.E. State	MA	Reg. No.	10301
	(when applicable)			<u> </u>	
			,	1	
					
	CERTIFICATE OF CO	MPLIANCE	٠.		
	t and that this (those)	21" MSIV Valve Pop	pets	:	
We certify that the statements made in the conform(s) to the rules for construction of	the ASME Code Section III Division 1.				
conform(s) to the rules for construction of NPT Certificate of Authorization No.	N-2873	Expires	November 1:	3, 2004	
NF 1 Certificate of 7 tall of the same of			kù /1.	US YEPG	=7
Date 12-10-01 Name	Welding Services Inc.	- Signed - \ Cul	(authoriz	ed representative)	
	(NPT Certificate Holder)				
•			,		
					
	CERTIFICATE OF IN	ISPECTION	•		
	a valid commission issued by the National Bo	ard of Boiler and Pressu	re Vessel inspe	ctors and the Sta	ite or Province of
	valid commission issued by the National bo	by The Hartford S	eam Boiler Ins		
Georgia bi	The second of the second in this C	ata Report on De	ember 10, 200	1 and s	tate that to the
b at all any knowledge and helief the	Certificate Holder has fabricated these	parts or appurtenances	in accordance	with ASME C	ode, Section III,
Division 1. Each part listed has been au	thorized for stamping on the date shown abo	· ·			the second second
•		amanhi avaracead	or implied, con	cerning the equi	pment described
By signing this certificate, neither	r the inspector nor his employer makes ar her the inspector nor his employer shall be	liable in any manner for	any personal	injury or property	damage or loss
of any kind arising from or connected wi	th this inspection.				
	U THAIN I	mmissions NB # 11	465 ABN, GA	393	
Date 12-10-01 Signed Q	(Authorized Nuclear Managerior)	[Nat1. Bd	. (incl. Endorsem	ents) and state or	prov. and no.]
	(Authorizent management)	•			
·					

As Required by the Provisions of the ASME Code, Section III

Not to Exceed One Day's Production

Pg. 1 of 2

Manufactured and certified by	<u> </u>	ss of NPT Certificate Holder)	•	
	dille / dille s	rwick, PA 18603 (name and address of Purchase		
Location of installation Sus	quehanna II 2 North Nin	th Street Allentown, P	A 18101-1179	
Type: *32162-409-D F	Rev. 1 SA 105 GR	II 77,900 PSI	N/A	2001 (year built)
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	•	-
ASME Code, Section III, Divisio	n 1: 1971 (edition)	S71 (addenda date)	(class)	N/A (Code Case no.)
Fabricated in accordance with C	•	N/A Revision	N/A Date _	N/A
Remarks: Cust. Item 01.	A&M Item 11 Qty. 3 Cove	(no.) er A&M P/N 32162-409	-2974-000_QLA	
(A&M S.O. 90168) *Dwo	g. prepared by A&M. Thi	s certification meets th	e required informat	ion of ASME
Section III 1971 Edition	summer 1971 addenda			
Nom. Thickness (in.) 5.312 When applicable, Certificate Ho		5,094 Dia. ID (ft & in.)		erall (ft& in.) <u>N/A</u>
Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurte Serial Num	ber 1	National Board No. umerical Order
(1) HT: H3391 S/N 4	N/A	(26)		
(2) HT: H3391 S/N 5	N/A	(27)		
(3) HT: H3391 S/N 6	N/A	(28)		
(4)		(29)		
(5)		(30)		
(6)		(31)		
(7)		(32)		
(8)		(33)		
(9)		(34)		
(10)		(36)		
(11)	<u> </u>	(37)		
(12)		(38)		
(13)		(39)		
(14)		(40)		
(15)		(41)		
(17)		(42)		
(18)		(43)		
(19)	 	(44)		
(20)		(45)		
(21)	-	(46)		
(22)	,	(47)		
(23)		(48)		<u> </u>
(24)		(49)		
		(50)		
(25)		(50)		

^{*}Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certificate Holde	ers' Serial Nos.	HT: H3391	S/N 4	through S/N 6
	CERTIFICA	TION OF DESIGN	ı		
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFICATE	E OF COMPLIANC	CE		
We certify that the statements made in this conforms to the rules of construction of the			<u> </u>	Cov	er
NPT Certificate of Authorization No.	N2607	Expires		6-1	13-04
Date 12/14/11 Name	Atwood & Morrill (NPT Certificate H		Signed	aut (aut	thonized representative)
		E OF INSPECTIC			
I, the undersigned, holding a valid commi		Board of Boiler and			and the State or Province of
TYCYTOIN	d employed by have inspected these items d	escribed in this D	H.S.B.I	8 1. CO.	and state that to the
Hartford, CT 1st of my knowledge and belief, the Certiful, Division 1. Each part listed has been a By signing this certificate, neither the insperint his Data Report. Furthermore, neither loss of any kind arising from or connected. Date 12/14/6/ Signed	ficate Holder has fabricated the uthorized for stamping on the actor nor his employer makes the inspector nor his employer	hese parts or appo date shown abov any warranty, ext	urtenances in acc e. pressed or implie	d, concerning	n the ASME Code, Section g the equipment described injury or property damage or
	(authorized inspector)		ati 8d. (incl. End	dorsements) and state or prov. and no.]

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

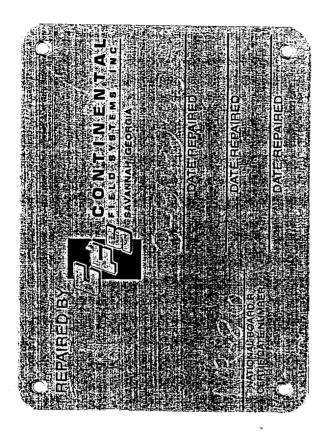
Pg. 1 of ·2

Manufactured and certified by	Atwood & Morrill Co.,	Inc. 285 Canal Stree	Salem,	MA 01970	
Manufactured for Pennsylv	vania Power & Light B	erwick, PA 18603	aser)		
Location of installation Su:	squehanna II 2 North Ni		•	-1179	
Type: *32462-613-C	·	4_ 85,700 PSI		N/A	2002 (year bu
ASME Code, Section III, Division		S71	1 (class)	(ONIT)	N/A (Code Case no.)
Fabricated in accordance with (• •	N/A Revision	N/A	Date	N/A
_(A&M S.O. 90168) *Dwg	A&M Item 11 Qty. 1 Pilo g. prepared by A&M. Th	t Poppet A&M P/N 32	462-613-4 he require	226-121_Q	LA on of ASME
Section III 1971 Edition	Summer 1971 addenda				
Nom. Thickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & in	.) <u>N/A</u>	Length over:	all (ft& in.) N
When applicable, Certificate Ho	lders' Data Reports are attach	ed for each item of this rep	ort:		
Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appur Serial Nu		Во	ational pard No. perical Order
(1) HT: 54682 S/N 7	N/A	(26)			
(2)		(27)			
(3)		(28)			
(5)		(29)			
		(30)			
(6)		(31)			
(7)				1	
(7)		(32)			
(8)		(33)			
(8)		(33)			
(8) (9) (10)		(33) (34) (35)			
(8) (9) (10) (11)		(33) (34) (35) (36)			
(8) (9) (10) (11) (12)		(33) (34) (35) (36) (37)			
(8) (9) (10) (11) (12) (13)		(33) (34) (35) (36) (37) (38)			
(8) (9) (10) (11) (12) (13) (14)		(33) (34) (35) (36) (37) (38) (39)			
(8) (9) (10) (11) (12) (13) (14) (15)		(33) (34) (35) (36) (37) (38) (39) (40)			
(8) (9) (10) (11) (12) (13) (14) (15) (16)		(33) (34) (35) (36) (37) (38) (39) (40) (41)			
(8) (9) (10) (11) (12) (13) (14) (15) (16) (17)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42)			
(8) (9) (10) (11) (12) (13) (14) (15) (16)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)			
(8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44)			
(8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)			
(8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)			
(8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47)			
(8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)		(33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)			

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

Certificate no	ideis Sellai Nos.	H1: 5468	2 S/N 7 through	N/A
CERTIFIC	ATION OF DESIGN			
, N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
CERTIFICA	TE OF COMPLIANC	:E		
			Pilot Poppet	<u> </u>
N2607	Expires		6-13-04	
		Signed	Swan Discoursed	sullus (representative)
•			sel Inspectors and the	ne State or Province of
d employed by		•		
ificate Holder has fabricated uthorized for stamping on the ector nor his employer make	these parts or appur ne date shown above as any warranty, expri ver shall be liable in a	tenances in ac essed or impli iny manner for	ed concerning the e	oguinment described
	CERTIFICA N/A (when applicable) N/A (when applicable) CERTIFICA s report are correct and that e ASME Code, Section III, D N2607 Atwood & Morri (NPT Certificate) CERTIFICA ssion issued by the National demployed by have inspected these items ifficate Holder has fabricated uthorized for stamping on the ector nor his employer make the inspector n	N/A P.E. State N/A P.E. State N/A P.E. State N/A P.E. State CERTIFICATE OF COMPLIANCE s report are correct and that this (these) ASME Code, Section III, Division 1. N2607 Expires Atwood & Morrill Co., Inc. (NPT Certificate Holder) CERTIFICATE OF INSPECTION ssion issued by the National Board of Boiler and demployed by have inspected these items described in this Date of the property of the inspector nor his employer makes any warranty, express the inspector nor his employer shall be liable in a with this inspection.	CERTIFICATION OF DESIGN N/A P.E. State N/A (when applicable) N/A P.E. State N/A (when applicable) CERTIFICATE OF COMPLIANCE s report are correct and that this (these) ASME Code, Section III, Division 1. N2607 Expires Atwood & Morrill Co., Inc. Signed (NPT Certificate Holder) CERTIFICATE OF INSPECTION ssion issued by the National Board of Boiler and Pressure Vest d employed by have inspected these items described in this Data Report on ifficate Holder has fabricated these parts or appurtenances in au uthorized for stamping on the date shown above. ector nor his employer makes any warranty, expressed or implicate inspector nor his employer shall be liable in any manner for	CERTIFICATION OF DESIGN N/A P.E. State N/A Reg. no. (when applicable) N/A (when applicable) CERTIFICATE OF COMPLIANCE s report are correct and that this (these) ASME Code, Section III, Division 1. P.E. State Pilot Popper Expires 6-13-04 Atwood & Morrill Co., Inc. (NPT Certificate Holder) CERTIFICATE OF INSPECTION ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the discovery complete the proper in



FORM NR-1 REPORT OF REPAIR X MODIFICATION OR REPLACEMENT X TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

		CLEAR													=
•	formed by_		(na	me of NR ce	ertificate	holder)		Inc			<u> </u>	3218 (P.O. no.	, job no., etc	:.)	
_23_W	estgate	Blvd.	Savann	ah, G	A 3] Iress)	1405			. <u></u>						
2. Owner_	PPL	LLC		(na	me)		_								
2 No:	th Nint	h Stree	t. Al	-	,	PA 18	310	01							
				(add	lress)										
	ddress and id														
1. Of Sterre									m			ached			
5. a: Items	Which Requ	ured Kepan	r, Modifica	tion, or F	керіас	ement A	ctiv	vities		see A		acheu			
7-		Identi	fication		1				- I	Construct	ion	Code		Acti	vity
No Item		Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Oth	er Yea Bui		Sect	ne/ ion/ ision	Edition/ Addenda		Code Case(s)	Code Class	Rep Mo Rep	d/
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3	+				-	+-					+				
4											\Box				
6							_				+				
7											1				
9											-				
10												· · · · · ·			
11	_	<u> </u>				-					\dashv		<u> </u>		
	L		J		L	<u></u> .			1						
5. b: Items	Installed Du	iring Repla	cement Ac		Sec	Att.	acl	hed				Constructi	on Code		
Type of	Installed o	1 9 1	Mfg	Nat'l		Jurisd	С	Other	Year	1	:/	Edition	/ Cod	e C	ode
Item	Replaced 5a Item No		Serial No). No	D.	No			Built	Section Division	-	Addend	a Case	s) C	lass
							L						_		
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				+			\vdash								
							F								
	<u> </u>						1							_1	
6. ASME Co	ode Section X	I applícable	e for inserv	vice inspe	ection	:19	89 (editi	ion)	 .	N/A (adde	nda)	 -	(Code	/A Cases(s	i))
7. ASME Co	ode Section X	I used for r	epairs, mo	dification	ns, or	replacer	nen	nts: _	1989 (editio)	I/A adde	nda)	(Code	/A Cases(:	<u></u>
8. Construc	tion Code us	ed for repai	irs, modifi	cations, c	or repl	acemen	ts:		197 (edition)	1 -	S	-71 nda)	N (Code	A Cases(:	5))
	sponsibilities						e C		ressure	N/A_ I	osi	Code Ca	se(s)		

Description of work:	See Attached
4	(use of properly identified additional sheet(s) or sketch(es) is acceptable)
·	
2. Remarks: See	Attached Manufacturer's Data Report
_	
	,
	CERTIFICATE OF COMPLIANCE
I, <u>David McCathie</u>	certify that to the best of my knowledge and belief the statements made in this report are
correct and the repair, mod	fication or replacement activities described above conforms to Section XI of the ASME Code and
the National Board Inspect	on Code "NR" rules.
National Board Certificate	f Authorization No. <u>NR-86</u> to use the "NR" stamp expires 5/25 2003
NR Certificate Holder	
Date <u>6/18 2002</u> S	(authorized Walland Control Manager
	(title)
White P Page	CERTIFICATE OF INSPECTION
, WILLIAM F- POGE	holding a valid commission issued by The National Board of Boiler and Pressure Vessel
ispectors and certificate of	competency issued by the jurisdiction of YENNSYLYANIA and employed by
ACTORY IMUTUAL LA	SURANCE COMPANY OF JOHNSTON RI have
nspected the repair, modifi	ation or replacement described in this report on 4.1 2002 and state that to the
est of my knowledge and l	elief, this repair, modification or replacement activity has been completed in accordance with
ection XI of the ASME Coc	yand the National Board Inspection Code "NR" rules.
by signing this certificate, n	ither the undersigned nor my employer makes any warranty, expressed or implied, concerning
ne work described in this r	port. Furthermore, neither the undersigned nor my employer shall be liable in any manner for
ny personal injury, propert	damage or loss of any kind arising from or connected with this inspection.
Date JUNE 24 2002	Signed William R. Procustt Commissions NB 7980 A.N. J. B.N.S. PAZZU
	(inspector) (National Board (incl. endowements) invisition and an

•

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022C

Items Which Required Repair, Modification, or Replacement Activities

Identification

	Identi	fication							С	onstruction (Code	
No	Type of Item	Mfg. Name	Mfg. Serial #	Nat'l Bd. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace
1	MSIV	A&M	3-221	N/A	N/A	N/A	1974	ASME III /NB	1971/S71	1535-2	I	Repair
		1										

Items Installed During Replacement Activities

	Identificatio	n						Construction Code					
Item	Installed/ Replaced	MFG. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class		
Poppet	Replaced	WSI	8	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I		
Bonnet	Replaced	A&M	8	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I		
Pilot Poppet	Replaced	A&M	8	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I		
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	<u> </u>		
		_,											

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022C

6. ASME Code Section XI applicable for inservice inspection: 1989

N/A (addenda)

N/A (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989

N/A (addenda)

N/A

8. Construction Code used for repairs, modifications, or replacements: 1971

(addenda)

Summer 71

Code Case

(Code Case(s))

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted

N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

(edition)

(edition)

12. Remarks: (3) appendages were attached to the poppet to facilitate installation of the re-designed poppet.

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Manuf	factured and certified by	Weld	ng Servi	ces, Inc. 22	25 Skyland dress of NPT Co	Court, Norc	ross GA, 3	00/1			
1110110											
Manuf	factured for	Atwood	& Morril	Co. 285 Ca	anal Street. S	salem, MA	71970				
	 -		•				DA 19603				
Locati	ion of installation	PPL S	(CDA)								
	. •				,	NI/A		200	71		
Type:	A & M Dwg D-	SA 105 Gr.II	70.0	0 Ksi		N/A					
	32467-622 R/7 (drawing no.)	(mat'l. spec. no.)	(tensile	strength)		(CRN)		(year	built)		
4045	E Code, Section III, Divisi	on 1 1971	•	S 1971		1	·	N//			
ASME	- Code, dection in, Divisi	(edition)	. (addenda date)		(class)		(Code Ca			
Cobrid	cated in accordance with	Const. Spec. (Div. 2 only	/)	N/A	Revision	N/.	Α	Date	N/A		
rabile	Cated III odda. Cate			(na.)							
							Unat # 245	5051 for S	4 105 Gr		
Rema	arks: 21" MSIV Valve P	oppet SA 105 Gr.II with	SFA 5.13	3 Alloy 21 S	tellite 21 Ha	rasurracing.	meat # 24	9901 101.5	100 01.		
									•		
_Heat	it #s 00-21-01, 00-21-05,0	00-21-06,101001836, 0	1-06/6 a	14 1210-140	300211120 10		<u> </u>	· · · · ·			
						·					
) N/A	Dia	. ID (ft & in.)	21" Nom.	Length over	all (ft & in.)	31*		
Nom.	Thickness (in.) N/A	Min. design thickness (in	.)		. 10 (11 0 11.)	_00					
	applicable, Certificate Holder	– 's Data Renorts are attacher	d for each	item of this re	port:						
wnen	applicable, Certificate Floider	3 Both Hopolic and annum		r							
		Mational		,	Part or Appl	utenance	ł	Nationa	۳. ا		
,	Part or Appurtenance	National Board No.	·	1	Serial N		1	Board N			
	Serial Number	In Numerical Order	ļ	Į			ļ ir	n Numerical	Order		
	•	in itemicial cites									
(1)	245951-1			(26)							
	245951-2			(27)		 					
	245951-4			(28)							
(4)	245951-5			(29)					•		
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· '-'	245951-8			1 1							
· · · · —	245951-9			(33)							
(8)				(34)							
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(14) _				(39)							
(15) _											
/46\											
				(43)							
(17) _				(44)	<u> </u>						
(17) <u> </u>				(45)							
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(17) (18) (19) (20) (21)							1				
(17) (18) (19) (20) (21) (22)				(48)							
(17) (18) (19) (20) (21) (22) (23)				(48) (49)							
(17) (18) (19) (20) (21) (22) (23) (24)				(48) (49)							

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88)

This form (E00040) may be obtained from the Order Dept., ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 Reprint (7/91)

FORM N-2 (Back - Page 2 of 2)

	Certificate Ho	older's Serial Nos. Ht i	245951	through1,2,4	4,5,7,8,9
		·			
	CERTIFICATION O	FDESIGN			
Design Specifications certified by	Boyd P. Brooks (when applicable)	P.E. State	CA .	Reg. No.1	13655
Design Report* certified by	Herbert Cook (when applicable)	P.E. State	MA	Reg. No	10981
	CERTIFICATE OF CO	MPI IANCE			
	CERTIFICATE OF CO	MIPLIAIVOL		•	
We certify that the statements made in conform(s) to the rules for construction NPT Certificate of Authorization No. Date 12-10-01 Name	this report are correct and that this (these) of the ASME Code, Section III, Division 1. N-2873 Welding Services Inc. (NPT Certificate Holder)	21" MSIV Valve Po	November 1:	3, 2004 OLS YEPE ed representative)	7
			·		
I, the undersigned, holding	CERTIFICATE OF INg a valid commission issued by the National Board employed	ard of Boiler and Pressu	re Vessel Inspe	ectors and the State section and Insuran	or Province of
best of my knowledge and belief, to Division 1. Each part listed has been a	have inspected these items described in this D he Certificate Holder has fabricated these authorized for stamping on the date shown abo	oata Report on De parts or appurtenances ve.	in accordance	1 and sta with ASME Coo	te that to the ie, Section III,
By signing this certificate, neith in this Data Report. Furthermore, ne of any kind arising from or connected to	ner the inspector nor his employer makes are sither the inspector nor his employer shall be with this inspection.				nent described lamage or loss
Date 12-10-01 Signed	(Authorized Duckes Moderator)	ommissions NB # 11 (Nat1. Bo	465 ABN, GA # . (incl. Endorsem	i 393 ents) and state or pro	ov, and no.]

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

					•	
1.	Manufactured and certified by		, Inc. 285 Canal Street	Salem, MA	01970	
	•	•	dress of NPT Certificate Holder)	•		
2.	Manufactured for Pennsylv	vania Power & Light	Berwick, PA 18603 (name and address of Purch)			
3.	Location of installation Sus		linth Street Allentown,	PA 18101-11	79	
	•		name and address)			
4.	Type: *32162-409-D F					001
	(drawing no.)	(matil. spec. n	p.) (tensile strength)	1	(CRN) (yes	ar built)
5.	ASME Code, Section III, Divisio		S71	11	N/A	
	•	(edition)	(addenda date)	(class)	(Code Case no.	}
6.	Fabricated in accordance with C	Const. Spec. (Div. 2 only)	N/A Revision	N/A	Date N/A	·
7	Remarks: Cust Item 01	A P.M. Hom. 11 Ob. 2 Co	(no.)	00 2074 000 (DI A :	
′.	(A&M S.O. 90168) *Dwg		ver A&M P/N 32162-40			:
	Section III 1971 Edition			ne required in	TOTTI ACION OF ACION	<u></u>
	CCCCOTT IN 1371 LUCION	odininer rott dadende	·		····	
8.	Nom. Thickness (in.) 5.312	Min. design thickness (in.)	5.094 Dia. ID (ft & in.	.) <u>N/A</u> Le	ngth overall (ft& in.)	N/A
^	Miles applicable Carliforte Hal	idore' Data Banada ara attac	had for each Ham of this rans	· · · · · · · · · · · · · · · · · · ·	•	
3.	When applicable, Certificate Hol	iders Data Reports are attac	ned for each item of this repo	or.		
		T				7
	Part or Appurtenance	National	Part or Appurt		National	·
	Serial Number	Board No. In Numerical Order	Serial Nun	nber	Board No. In Numerical Order	}
				1		·
	(1) HT: H3391 S/N 7	N/A	(26)	·		1
>	(2) HT: H3391 S/N 8	N/A	(27)			
	(3)		(28)			
	(4)		(29)			
	(5)		(30)			
	(6)		(31)			
	(7)		(32)			
	(8)		(33)			
	(9)		(34)			
	(10)	 	(35)			
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	(20)		(45)			_
	(21)		(46)			
	(22)	,	(47)			
	(23)		(48)			_
	(24)		(49)			7
	(25)		(50)			
	,					
10	D. Design pressure 125	0 psi. Temp.	575 °F. Hydro, test pr		N/A At temp	o, °F
				(whi	en applicable)	

[&]quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certificate Holde	ers' Senai Nos.	HT: H3391	S/N / through	S/N 8
•	CERTIFIC	ATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A when applicable)	P.E. State	N/A	Reg. no.	N/A
·	CERTIFICA	TE OF COMPLIANC	E .		
We certify that the statements made in this reconforms to the rules of construction of the A	port are correct and that SME Code, Section III, D	this (these)		Cover	
NPT Certificate of Authorization No.	N2607	Expires	· 	6-13-04	
Date /2/14/6/ Name _	Atwood & Morri (NPT Certificate		Signed /	(authorized	representative)
I, the undersigned, holding a valid commissi		ATE OF INSPECTION		sei Inspectors and t	he State or Province of
	mployed by			I & I. Co.	, -
af Hartford, CT has set of my knowledge and belief, the Certifical, Division 1. Each part listed has been auth By signing this certificate, neither the inspect in this Data Report. Furthermore, neither the loss of any kind arising from or connected will Date 12/14/01 Signed	norized for stamping on tr or nor his employer make inspector nor his employ	i these parts or appu he date shown above es any warranty, exp yer shall be liable in a	rtenances in a e. ressed or impl	ied, concerning the	equipment described or property damage or

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

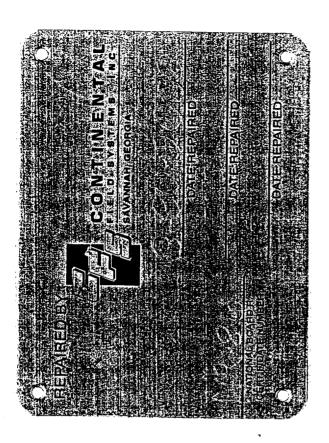
Pg. 1 of 2

		Notio	eed One Day 31 Tou			
,	Manufactured and certified by	Atwood & Morrill Co., Ir	nc. 285 Canal Street	Salem, M	A 01970	
		(name and addres	is of MP Carpinate Fromes,			
2. 1	Manufactured for Pennsylva	nia Power & Light Be	rwick, PA 18603 (name and address of Purchas	er)		
			•••		1170	
). i	Location of installation Suso	uehanna II 2 North Nin	th Street Allentown, r	A 10101-	1179	
	•		TOO DOL		N/A	2001
١. '	Type: *32462-613-C R	ev.0 SA 479-304 (mart. spec. no.)	85,700 PSI (tensile strength)		(CRN)	(year built)
	(drawing no.)			4 .	•	N/A
5	ASME Code, Section III, Division	1: . 1971 (edition)	S71 (addenda date)	(class)		(Code Case no.)
	*	•	·	N/A	Date	N/A
i.	Fabricated in accordance with Co		(ne.)			
		&M Item 11 Qty. 8 Pilot	Bonnet A&M P/N 324	62-613-42	26-121_Q	_A
•	Remarks: Cust, Item 01 A (A&M S.O. 90168) *Dwg	prepared by A&M. Thi	s certification meets th	e require	d information	n of ASME
	Section III 1971 Edition S	Summer 1971 addenda				
-	Section in 1971 Edition 5				. Length over	alt (ft& in.) N/A
3.	Nom. Thickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & in.	N/A	Lenginover	1472
			ed for each item of this repo	rt:	-	
€.	When applicable, Certificate Hole	ders' Data Reports are attachi	SO IOI EBOLI KOM OLUMO LOP			
						1-4!
	Part or Appurtenance	National	Part or Appurt Serial Nun			iational pard No.
	Serial Number	Board No.	Serial Null	ibei		nerical Order
		In Numerical Order				· I
	54000 0/014	N/A	(26)		l	
	(1) HT: 54682 S/N 1	N/A	(27)	•		
	(2) HT: 54682 S/N 2	N/A	(28)			
	(3) HT: 54682 S/N 3	N/A	(29)			
	(4) HT: 54682 S/N 4	N/A	(30)			
	(5) HT: 54682 S/N 5 (6) HT: 54682 S/N 6	N/A	(31)			
_		N/A	(32)			
7		N/A	(33)			
		14//	(34)			
٠	(9)		(35)			
	(10)		(36)			
	(11)					
		T	(37)		1	
	(12)		(37)(38)			
_	(13)		(38)		`	
-	(13)		(38)			
	(14) (15)		(38) (39) (40)			
-	(13) (14) (15) (16)		(38) (39) (40) (41)			
	(13) (14) (15) (16) (17)		(38) (39) (40) (41) (42)			
_	(13) (14) (15) (16) (17) (18)		(38) (39) (40) (41) (42) (43)			
	(13) (14) (15) (16) (17) (18) (19)		(38) (39) (40) (41) (42) (43) (44)			
	(13) (14) (15) (16) (17) (18) (19) (20)		(38) (39) (40) (41) (42) (43) (44) (45)			
	(13) (14) (15) (16) (17) (18) (19) (20) (21)		(38) (39) (40) (41) (42) (43) (44) (45) (46)			
	(13) (14) (15) (16) (17) (18) (19) (20) (21) (22)		(38) (39) (40) (41) (42) (43) (44) (45) (46) (47)			
	(13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)		(38) (39) (40) (41) (42) (43) (44) (45) (45) (46) (47) (48)			
	(13) (14) (15) (16) (17) (18) (19) (20) (21) (22)		(38) (39) (40) (41) (42) (43) (44) (45) (46) (47)			

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided [1] size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certificate Holo	lers' Serial Nos.	HT: 54682	2 S/N 1 through	S/N 6, 8 & 9
-	CERTIFICA	ATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFICAT	E OF COMPLIANC	E		
We certify that the statements made in t	his report are correct and that t	this (these)		Pilot Poppe	t ·
conforms to the rules of construction of	the ASME Code, Section III, Di	vision 1.			
NPT Certificate of Authorization No.	N2607	Expires _		6-13-04	
Date /2/17/0/ Nam	Atwood & Morrii (NPT Centificate	Il Co., Inc.	Signed	Syrian U.S. (authorized	Audowanie representative)
	•	TE OF INSPECTIO			•
I, the undersigned, holding a valid com	mission issued by the National	Board of Boiler and			he State or Province of
New York	and employed by			1 & I. Co.	, and state that to the
Hartford, CT st of my knowledge and belief, the Communication of the Com	n authorized for stamping off the spector nor his employer make er the inspector nor his employ	these parts or appute date shown above any warranty, experier shall be liable in	urtenances in a e. Proceed or imp	accordance with the lied, concerning the or any personal injur	ASME Code, Section
					•



FORM NR-1 REPORT OF REPAIR MODIFICATION ☐ OR REPLACEMENT TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

. W	ork perfe	ormed by_	_Conti	nental	Field	Syst	ems,	INc			3218 (P.O. no.	job no., etc	
			Blvd,								(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·
					(add	lress)							
O	wner	PPL	LLC .		(na	me)	<u> </u>						
	2 Nor	th Nint	h Stree	et, Al	lento	wn, P.	<u> 181</u>	01					
										eam Ele			
_	5 Mile	s Nort	h_of_Be	rwick,	PA		S	alem	Twp	, PA			
			uired Repai							e Attac	hed		
			Identi	fication				Τ		Construction	Code		Activit
	Time of	Mfa	Mfg.	Nat'l Bd.	Iurisd.	Other	Year	Na	me/	Edition/	Code	Code	Repair
No	Type of Item	Mfg. Name	Serial No.	1 1	No.	Otter	Built	Sect	ion/ ision	Addenda	Case(s)	Class	Mod/ Replace
ı													
2			ļ					ļ	\longrightarrow				
3_			 	 		<u> </u>	-	ļ			-		
<u>1</u> 5			 	 				 					
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11 12			<u> </u>				3	+					
_	-		·			<u> </u>		ـــــــ		· · · · · · · · · · · · · · · · · · ·	<u> </u>		
. b	: Items l	installed D	uring Repla	cement Ac			See A	ttac	hed	1	Constructi	on Code	
Ti	pe of	Installed o	or. Mfg.	Mfg	Nati	Bd. In	risd (Other	Year	Name/	Edition	. 1	_
	tem	Replaced 5a Item N	Name	Serial No			No		Built		Addend		
										1	· ·	+	
_												1	
					-			<u> </u>		-	1	+	
										<u> </u>			1
			1		+	-+			L				\pm
_													
. A	SME Cod	le Section >	(I applicable	e for inserv	vice inspe	ection: _	1989 (ed	ition)		N/A (addend	a) -	N/A (Code	Cases(s))
Α.	SME Coo	le Section >	I used for r	epairs, mo	dification	ns, or rej	olaceme	nts: _	1989		L/A_	N	/A Cases(s))
									(edition	n) (add	denda) 7 1		_ases(\$))
C	onstructi	on Code us	ed for renai	rs, modifi	cations, c	r replace	ments:	ı	971	മ	11	N/A	

11. Description of work: See Attached
(use of properly identified additional sheet(s) or sketch(es) is acceptable)
12. Remarks: See Attached Manufacturer's Data Report
CERTIFICATE OF COMPLIANCE
I, <u>David McCathie</u> , certify that to the best of my knowledge and belief the statements made in this report are
correct and the repair, modification or replacement activities described above conforms to Section XI of the ASME Code and
the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. NR-86 to use the "NR" stamp expires 5/25 , 2003
NR Certificate Holder Continental Field Systems. Inc
Date 6/18 2002 Signed De Mc Latte Quality Control Manager
(authorized representative) (title)
CERTIFICATE OF INSPECTION
I, WILLIAM Z. ROGERS III., holding a valid commission issued by The National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of PENNSYLVANIA and employed by
FACTORY MUTUAL INSURANCE COMPANY OF JOHNSTON RI have
inspected the repair, modification or replacement described in this report on 4.1, 2002 and state that to the
best of my knowledge and belief, this repair, modification or replacement activity has been completed in accordance with
Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning
the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for
any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date June 24 ZOOZ Signed William R. Rigue Et Commissions NB7980A. N. T. B. N.S. PAZZO4
(inspector) (National Board (incl. endorsements), jurisdiction, and no.)
· · · · · · · · · · · · · · · · · · ·

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022D

Items Which Required Repair, Modification, or Replacement Activities

Identification								Construction Code						
No	Type of Item	Mfg. Name	Mfg. Scrial #	Nat'l Bd. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace		
i	MSIV	A&M	4-221	N/A	N/A	N/A	1974	ASME III /NB	1971/S71	1535-2	I	Repair		
2												1		

Items Installed During Replacement Activities

	Identificatio	n							Construction	Code	
Item	Installed/	MFG.	Mfg. Serial	Nat'l	Jurisd. No.	Other	Year Built	Name/	Edition/	Code	Code
	Replaced	Name	No.	Bd. No.		ļ		Section/	Addenda	Case(s)	Class
								Division			
Poppet	Replaced	WSI	9	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Bonnet	Replaced	A&M	9	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Pilot Poppet	Replaced	A&M	9	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	I
										 	

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 162A Valve HV 141 F022D

6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A

(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1989 N/A N/A (edition) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1971 Summer 71

(edition) (addenda) Code Case

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

12. Remarks: (3) appendages were attached to the poppet to facilitate installation of the re-designed poppet.

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of __2

	Manufactured and certified by	actured and certified by Welding Services, Inc. 2225 Skyland Court, Norcross GA, 30071 (name and address of NPT Certificate Holder)						30071		
	Manufactured for	Atwood & Morril Co. 285 Canal Street. Salem, MA 01970								
•	Manufactured for	Λίνιου α	(name and address of Purchaser)							
	Location of installation	PPL Sus	PL Susquehanna Nuclear Power Plant. Berwick, PA. 18603							
•			(name and address)							
•	Type A&MDwgD-	SA 105 Gr.II	70.0) Ksi		N/A		2	001	
•	32467-622 R/7	·				(CRN)		6.00	- h. day	
	(======================================		(lensile	strength)		(CRN)	, '	•	r built) ·	
	ASME Code, Section III, Divisio	n 1: <u> </u>		S 1971 Iddenda dale		(class)			/A ase no.)	
		•	•				•	Date		
	Fabricated in accordance with C	onst. Spec. (Div. 2 only)		N/A (no.)	_ Revision	N/.	<u>~</u>	Date	N/A	
	Remarks: 21° MSIV Valve Po	ppet SA 105 Gr.II with SF	A 5.13	Alloy 21	Stellite 21 Ha	rdsurfacing.	Heat # 2	45951 for S	SA 105 Gr. 1	
	Heat #s 00-21-01, 00-21-05,00	0-21-06,101001836, 01-0	876 an	d 1210-N	0832R125 fc	or Stellite 21				
								·	·	
	Nom. Thickness (in.) N/A	Min. design thickness (in.)	N/A	Dia	a. ID (ft & in.)	21" Nom. OD	Length ow	erall (ft & in.)	31*	
	When applicable, Certificate Holder's	Data Reports are attached for	r each it	em of this r	eport:					
		National			Part or App	idenance	1	Nation:	al ~	
	Part or Appurtenance Serial Number	Board No.	- }		Serial No			Board N		
		In Numerical Order						In Numerica	Order	
	j			/OC\						
	(1) 245951-1			(20)						
	(2) <u>245951-2</u> (3) <u>245951-4</u>			(21)						
	(3) <u>245951-4</u> (4) <u>245951-5</u>		- 	(29)						
	(5) 245951-7	•	7	(30)						
	(6) 245951-8			(31)					 	
	(7) 245951-9			(32)	· · · · · · · · · · · · · · · · · · ·					
	(8)			(33)						
	(9)			(34)						
	(10)			(35) (36)						
	(11)			(37)						
	(12)			(38)						
	(14)		7-	(39)						
	(15)			(40)						
	(16)			(41)		,				
	(17)			(42)			_			
	(18)			(43)		 	_			
	(19)		_	(44)						
	(20)						-+			
	(21)									
	(22)									
	(23)		\dashv							
	(24)									
	(25)	}		(50)						

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8% x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept., ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

(12/88)

FORM N-2 (Back - Page 2 of 2)

	Certificate H	older's Serial Nos.	Ht # 245951	_ through <u>1</u>	,2,4,5,7,8,9
	•				
	CERTIFICATION O	F DESIGN			
Design Specifications certified by	Boyd P. Brooks	P.E. State	CA	Reg. No.	13655
	(when applicable)		٠	1	
Design Report* certified by	Herbert Cook	P.E. State	MA	Reg. No.	10981
	(when applicable)	• • • • •			
· · · · · · · · · · · · · · · · · · ·					
	CERTIFICATE OF CO	OMPLIANCE			
We certify that the statements made in this	s report are correct and that this (these)	21" MSIV Valve	Poppets	:	
conform(s) to the rules for construction of	the ASME Code, Section III, Division 1.	•			
NPT Certificate of Authorization No. N	-2873	Expi	res November 1:	3, 2004	
Date 12-10-01 Name \	Velding Services Inc.	Signed 11	WX. W /L	US YEP	E7
Date 12-10-01	(NPT Certificate Holder)		(authoriz	ed representative)	

	CERTIFICATE OF IN	ISPECTION			•
	•				
	valid commission issued by the National Bo and employed	ard of Boiler and Pro	essure Vessel Inspe rd Steam Boiler Insp	ctors and the Sta	ite or Province of ance Co
Georgia of Hartford, CT hav	e inspected these items described in this D	· -	December 10, 200		tale that to the
best of my knowledge and belief, the	Certificate Holder has fabricated these	parts or appurtenar	nces in accordance	with ASME C	ode, Section III,
Division 1. Each part listed has been auth	orized for stamping on the date shown above	/e		•	
By signing this certificate neither	the inspector nor his employer makes an	y warranty, express	sed or implied, cond	erning the equip	pment described
in this Data Report. Furthermore, neither	r the inspector nor his employer shall be	liable in any manne	r for any personal i	njury or property	damage or loss
of any kind arising from or connected with	this inspection.	• .	•		
Date 12-10-01 Signed	co junglid Il barlagung co	mmissions NB :	# 11465 ABN, GA #	393	
	(Authorized Nuclear Inspector)	{Nat'	1. Bd. (incl. Endorseme	ents) and state or p	orov, and no.)
	 				

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 2

anufactured for Pennsylva	nia Power & Light B	erwick, PA 1860	3		
		(name and address of		170	
ocation of installation Susq	uehanna II 2 North Ni	nth Street Allento	WII, PA 16101-1	1175	
		_	PSI	N/A	200
/pe: *32162-409-D R((matil. spec. no.			(CRN)	(year bu
SME Code, Section III, Division	1: 1971	S71	· 1		N/A
SME Code, Section III, Division	(edition)	(addenda date)	(ciass)	(6	ode Case no.)
abricated in accordance with Co	onst. Spec. (Div. 2 only)	N/A Revision	on <u>N/A</u>	_ Date	N/A
		(no.)	32-409-2974-000	QLA	
emarks: Cust. Item 01 A (A&M S.O. 90168) *Dwg.	prepared by A&M Th	is certification me	ets the required	information	of ASME
(A&M S.O. 90168) "Dwg. Section III 1971 Edition s	ummer 1971 addenda	10 0011111000			
				Length overall	(ft& in.) N
om. Thickness (in.) 5.312	Min. design thickness (in.)	5.094 Dia. ID ((it & in.) N/A	Ecilgii o o o o o	
Vhen applicable, Certificate Holo		hed for each item of th	is report:		•
When applicable, Certificate Flore				T	
	NI_A!a!	Part or	Appurtenance	Nati	onal
Part or Appurtenance	National Board No.	Ser	ial Number		d No.
Serial Number	In Numerical Order			in Numer	icai Order
`		1 100			
(1) HT: H3391 S/N 9	N/A	(26)		 	
(2)	<u> </u>	(27)			
(3)		(28)		 	•
(4)		(30)			
(5)		(31)			
(6)		(32)			
(7)		(33)			
(8)		(34)			
(10)		(35)		<u> </u>	
(11)		(36)			
(12)		(37)		ļ	
(13)		(38)			
(14)		(39)			
(15)		(40)			
(16)		(41)		+	
(17)		(42)		+	
(18)	<u> </u>	(43) —		 	
(19)	ļ	(45)		1	
(20)		(46)		+	
(21)	 , 	(47)		1	
	<u> </u>	(48)			
(22)		1 1 1 7			
	<u> </u>	(49)			

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certificate Holders	' Serial Nos.	HT: H3391	S/N 9 through	S/N N/A
	CERTIFICA	ATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
		E OF COMPLIANC	E		·
	• •			Cover	`,
We certify that the statements made in this conforms to the rules of construction of the	report are correct and that a ASME Code, Section III, D	inis (mese) Ivision 1.			
NPT Certificate of Authorization No.	N2607	Expires	·	6-13-04	4
Date /2/14/0/ Name	Atwood & Morri (NPT Certificate	ill Co., Inc.	Signed	Orta Ax (authorized	representative)
I, the undersigned, holding a valid comm		TE OF INSPECTION		ssel inspectors and	the State or Province of
			LCR	.I & I. Co.	
Hartford, CT	d employed by have inspected these items tificate Holder has fabricated	these parts or app	ata Report on urtenances in	accordance with the	, and state that to the ASME Code, Section
lill, Division 1. Each part listed has been by signing this certificate, neither the inspirit his Data Report. Furthermore, neither loss of any kind arising from or connected	ector nor his employer make the inspector nor his employ			II. A ASSASSING THE	aniinmeni uesciived
Date 12/14/01 Signed	(authorized inspe	actor)	Commissions	(Nat'l Bd. (incl. Endors	O A J emerits) and state or prov. and no
.					

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

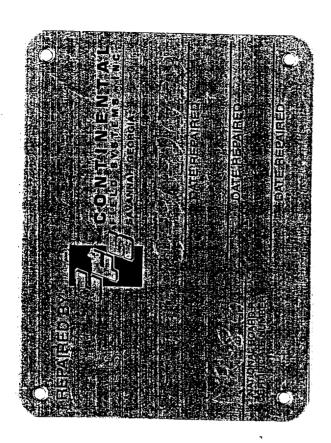
Pg. 1 of 2

Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970 (name and address of NPT Certificate Holder)								
Manufactured for Pennsylv	ania Power & Light Be	(name and address of Purchas	er)					
Location of installation Sus	quehanna II 2 North Nir	nth Street Allentown, F	A 18101-1179					
	(nai	me and address)						
Type: *32462-613-C F	Rev.0 SA 479-304		N/A	·				
(drawing no.)	(mat'l, spec, no.)	(tensile strength)	(CRN					
ASME Code, Section III, Divisio		S71		N/A (Code Case no.)				
	(edition)	(addenda date)		•				
Fabricated in accordance with C	onst. Spec. (Div. 2 only)	N/A Revision	N/A Date	N/A				
	A&M Item 11 Qty. 8 Pilot	(no.) Poppet A&M P/N 324	62-613-4226-12	1 QLA				
Remarks: Cust. Item 01	g. prepared by A&M. Thi	is certification meets th	e required infor	mation of ASME				
Section III 1971 Edition	Summer 1971 addenda	3 COMMODITION THE CLE IN						
Section III 1971 Edition	Summer 1371 addonad							
Nom, Thickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & in.)	N/A Lengt	h overall (ft& in.) N//				
	-							
When applicable, Certificate Ho	Iders' Data Reports are attach	ed for each item of this repoi	n u					
		<u> </u>						
Part or Appurtenance	National	Part or Appurte	enance	National				
Serial Number	Board No.	Serial Num	ber	Board No. n Numerical Order				
	In Numerical Order			n Numerical Order				
(1) HT: 54682 S/N 1	N/A	(26)						
(2) HT: 54682 S/N 2	N/A	(27)						
(3) HT: 54682 S/N 3	N/A	(28)						
(4) HT: 54682 S/N 4	N/A	(29)						
(5) HT: 54682 S/N 5	N/A	(30)						
(6) HT: 54682 S/N 6	N/A	(31)						
(7) HT: 54682 S/N 8	N/A	(32)						
(8) HT: 54682 S/N 9	N/A	(33)						
(9)		(34)						
(10)		(35)	·					
(11)		(36)						
(12)		(37)						
(13)		(38)						
		(39)						
(14)								
		(40)						
(14)		(41)						
(14)		(41)						
(14) · · · · · · · · · · · · · · · · · · ·		(41) (42) (43)						
(14) · · · · · · · · · · · · · · · · · · ·		(41) (42) (43) (44)						
(14) (15) (16) (17) (18)		(41) (42) (43) (44) (45)						
(14) (15) (16) (17) (18) (19) (20)		(41) (42) (43) (44)						
(14) (15) (16) (17) (18) (19) (20) (21)		(41) (42) (43) (44) (45)						
(14) (15) (16) (17) (18) (19) (20) (21) (22)		(41) (42) (43) (44) (45) (46)						
(14) (15) (16) (17) (18) (19) (20) (21)		(41) (42) (43) (44) (45) (46) (47)						

[&]quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certificate Holi	ders Serial Nos.	T1. 34002	2 3/11	
• .	CERTIFIC	ATION OF DESIGN			
Design specifications certified by	N/A	P.E. State	N/A	Reg. no.	N/A
	(when applicable)				
Design report * certified by	N/A	P.E. State	N/A	Reg. no	N/A
:	(when applicable)			•	
	CERTIFICAT	TE OF COMPLIANC	E		-
We certify that the statements made in	this report are correct and that	this (these)		Pilot Poppet	• •
conforms to the rules of construction of	If the ASME Code, Section III, D	ivision 1.			
NPT Certificate of Authorization No.	N2607	Expires		6-13-04	
Date /2//7/0/ No.	ame Atwood & Morri		Signed	Brisi la	representative)
	(NPT Cartificate	Holder)		(announce)	
	• .	TE OF INSPECTIO			* ;
I, the undersigned, holding a valid co	mmission issued by the National	Board of Boiler and	Pressure Ves	isel inspectors and the	ne State or Province of
New York	And employed by			I & I. Co.	
of Hartford, CT	have inspected these items	described in this Da	ta Report on	12/17/01	, and state that to the
st of my knowledge and belief, the Division 1. Each part listed has be By signing this certificate, neither the	en authorized for stamping on tr	je date snown above	ressed or impl	lied, concerning the	equipment described
by signing this certificate, neitner the in this Data Report. Furthermore, neit loss of any kind arising from or conne	ther the inspector nor his emplo)	er shall be liable in a	any manner fo	r any personal injury	or property damage or
Date 12/17/1/ Signed	1701		Commissions	NY5070	AN
willian -	(authorized inspec	ctor)		(Nat'l Bd. (incl. Endorser	ments) and state or prov. and no.]



162AII

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

<u> </u>	·						
1. Owner	PPL Susque	hanna, LLC		Date	0.	4/25/2002	
769 Sa	ilem Blvd, Berwi	ck, PA 18603		Sheet	1 of	1	
2. Plant Su	squehanna Stea		on	Unit		ONE	
769 Sa	Nami Ilem Blvd, Berwi			ECO 179460	, PCWO 34!	5125	
	Address	OK, 177 10000		Rep	pair Organizatio	n P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	squehanna, LL	<u>c</u>	Type Code Syn	nbol Stamp	None	<u> </u>
769 Sa	lem Blvd, Berwi	ck, PA 18603		Authorization N	lo	N/A	
				Expiration Date	·	N/A	
4. Identification of System	m	REACTOR VE	SSEL AND A	UXILIARIES S'	YSTEM 1	62A CLASS 2	
5. (a) Applicable Constr (b) Applicable Edition							ode Case
6. Identification of Comp					. NO ADDE		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCB112- H2003	1982	REPLACED	NO
MECH SNUBBER	PACIFIC SCIENTIFIC	23599	N/A	SPDCB112- H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCB112- H2014	1982	REPLACED	NO
MECH SNUBBER	PACIFIC SCIENTIFIC	13942	N/A	SPDCB112- H2014	1981	REPLACED	N/A
7 Description of Work		DENA	OVE SMILDE		ACERAENI	т	
7. Description of Work		KEIVI	OAE SINORR	ER / NO REPL	ACEMEN	<u> </u>	
	Hydrostatic Dther Press	Pneumatic Sure N/A		Operating Pressure st Temp. N			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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)

9. Remarks
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. REPLACEMENT repair or replacement conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Owner of Owner's Destroy Title Supy Site Modifications Group
Owner's Designey, The Supp. Total modifications Group
CERTIFICATION 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 70 10 10 10 10 10 10 10 10 10 10 10 10 10
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. William V. Togus III Commissions NB7980 A.N.I.B.NS PAZZO4 Inspector's Signature National Board, State, Province, and Endorsements
Date <u>JUNE 17</u> 20 <u>02</u>

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

1. Owner	PPL Susquel		Date	0	4/25/2002		
769 Sa	ilem Blvd, Berwic	-		Sheet	of	1	
2. Plant Su	squehanna Stear		on	Unit		ONE	
769 Sa	Name Ilem Blvd, Berwic			ECO 179	459, PCW	/O 345105	
3. Work Performed by	Address PPL Sus	squehanna. LL(Type Code Sy		n P.O. No., Job No., etc.	
	lem Blvd, Berwid	Name		Authorization			
	Address			Expiration Da	te	N/A	
4. Identification of Syste	m	REACTO	R RECIRCUI	_ATION SYST	EM 164A	CLASS I	_
5. (a) Applicable Constr (b) Applicable Edition6. Identification of Comp	n of Section XI Utilized	d for Repairs or Re	eplacements 19	89	_		Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCA120- H2006	1982	REPLACED	NO
MECH SNUBBER	PACIFIC SCIENTIFIC	23573	N/A	SPDCA120- H2006	1981	REPLACED	N/A
		•					
7. Description of Work		REM	OVE SNUBB	ER / NO REP	LACEMEN	I T	
8. Tests Conducted:	Hydrostatic Other Press	Pneumatic Sure N/A	_	Operating Pressust Temp.	re	-	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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)

9. Remarks	Applicable Construction	n Code: ASME III 1	971 Edition thru Win	ter 1972 Addenda
1" & sma	aller Nuclear Class I pip	ing designed in acco	ordance with the rule	s of Nuclear Class 2 piping
per ASM	ME III, 1974 Edition, Sun	nmer 1975 Addenda	, paragraph NB-363	0.
		CERTIFICATION	OF COMPLIANCE	
We ce ASME Code	rtify that the statements made , Section XI.			
Type Code	e Symbol Stamp	·	N/A	
Certificate	of Authorization No.	N/A	Expiration	N/A
Signed	Owner or Owner's Designee, Title	Supv Site Modifications Gro	Date Jun	12 ,2002
	CEF	RTIFICATION OF IN	SERVICE INSPECT	TION
JOHNST in this Owner	ON, RHODE ISLAND 's Report during the period	and employed by	FACTORY MUTUAL II	pected the components described
By signing examinations	ort in accordance with the req g this certificate neither the Ins and corrective measures des	uirements of the ASME (spector nor his employer scribed in this Owner's Re	Code, Section XI. makes any warranty, expend. Enort. Furthermore neith	prrective measures described in this ressed or implied, concerning the ner the Inspector nor his employer
inspection.		nal injury or property dan	nage or a loss of any kind	arising from or connected with this
Willia	Inspector's signature	Commis	ssions <u>WB 7980 A. I</u> National Board,	N. I. B. NS PAZZO 4 State, Province, and Endorsements
Date JUNI	E 17 20 <u>02</u>			

164AII

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

1. Owner	769	9 Salem Blvd, B		603	Date	0	4/25/2002	
Tv	wo Norti	n Ninth St., Allen		1	Sheet	of	1	
. Plant	Sus	Address squehanna Stear		on	Unit		ONE	
	769 Sal	Name lem Blvd, Berwid		· · · · · · · · · · · · · · · · · · ·		59, PCWO 34	·	
	100 00	Address	7, 17, 10000				n P.O. No., Job No., etc.	
Work Perform	ned by	PPL Sus	quehanna, LL	<u>c</u>	Type Code S	ymbol Stamp	Non	е
	769 Sal	lem Blvd, Berwic	k, PA 18603		Authorization	No	N/A	
		Address			Expiration Da	te	N/A	
. Identification	of Systen	n	REACTO	R RECIRCUL	ATION SYST	EM 164A (CLASS II	
		uction Code ASM of Section XI Utilized	E Section III 19	_71 Edition	Winter 72	Addenda,	N-411 (Code Case
3. Identification	of Compo	onents Repaired or R	eplaced and Repl	acement Compo	nents			
Name c Compon		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes o No)
PIPE SUPP	PORT	BECHTEL	N/A	N/A	SPDCB112- H2094	1982	REPLACED	NO
MECH SNUI	BBER	PACIFIC SCIENTIFIC	22861	N/A	SPDCB112- H2094	1981	REPLACED	N/A
. Description o	of Work		REM	OVE SNUBBI	ER / NO REP	LACEMEN	т	
. Tests Conduc	C	lydrostatic Dther Press		psi Tes	Operating Pressust Temp.	<u>N/A</u> °F		

recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks	Applicable Construction	Code: ASME III	1971 Edition thr	u Winter 1972 Ad	. Code Case N-411
			-		
		CERTIFICATIO	N OF COMPLIA	NCE	
	ertify that the statements made e, Section XI.	in the report are corre		ACEMENT conformation conformation or replacement	ns to the rules of the
Type Cod	de Symbol Stamp		N/A		
Certificate	e of Authorization No.	N/A	Expiration		N/A
Signed	Owner or Owner's Designee, Title	Supv Site Modifications	Date	Inc 12	, 20 U <u>Z</u>
	CER	RTIFICATION OF	INSERVICE INS	PECTION	
or Province	signed, holding a valid commiss of <u>PENNSYLVANIA</u>	sion issued by the Nati and employed by _	onal Board of Boiler FACTORY MU	and Pressure Vessel TUAL INSURANCE C	Inspectors and the State O. of
in this Owne	TON, RHODE ISLAND er's Report during the period	8-28-0	to	ave inspected the con	and state that
Owner's Rep	of my knowledge and belief, the port in accordance with the requ ig this certificate neither the Ins	uirements of the ASM	E Code. Section XI.		
examinations	s and corrective measures des le in any manner for any person	cribed in this Owner's	Report. Furthermore	re, neither the Inspect	or nor his employer
William	R. Regestir Inspector's Signature	Comr	nissions <u>NR 798</u> National	DA.N.T.B.NS Board, State, Province	PA 220 4 e, and Endorsements
Date Tune	= 17 20 <u>02</u>				

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

1. Owner	1. Owner PPL Susquehanna, LLC					5/25/2002	
769 Sa	lem Blvd, Berwic	ck, PA 18603		Sheet	1 of	1	
2. Plant Sus	squehanna Stear	n Electric Stati	on	Unit		ONE	
****	Name Ilem Blvd, Berwid	•				59, 391402, & 39146	
109 3a		Rep	ERS: 3451 Pair Organization	05, 391433, & 39147 on P.O. No., Job No., etc.	1		
3. Work Performed by	<u>c</u>	Type Code Sym	nbol Stamp	None			
769 Sa	lem Blvd, Berwic	ck, PA 18603		Authorization N	o	N/A	
	Address			Expiration Date		N/A	
4. Identification of System	m	REACTO	R RECIRCUL	ATION SYSTE	M 164D	CLASS 2	
5. (a) Applicable Constr							de Case
(b) Applicable Edition		•	•		NO ADDI	ENDA	
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCB106- H2022	1982	REPLACED	NO
2) MECH SNUBBER	PACIFIC SCIENTIFIC	24388	N/A	SPDCB106- H2022	1982	REPLACED	N/A
3) SMALL PIPE	BECHTEL	N/A	N/A	SPDCB106-6	1982	REPLACED	YES
4) SMALL PIPE	PPL	N/A	N/A	SPDCB106-6	2002	REPLACEMENT	NO
5) SMALL PIPE	BECHTEL	N/A	N/A	SPDCB108-3	1982	REPLACED	YES
6) SMALL PIPE	PPL	N/A	N/A	SPDCB108-3	2002	REPLACEMENT	NO
7) SMALL PIPE	BECHTEL	N/A	N/A	SPDCB121-4	1982	REPLACED	YES
7. Description of Work	Permanent remo	val of snubber s	upport, and rep	placed piping do t	o socket v	weld UT exam failu	ıres.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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)

9. Remarks
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. REPLACEMENT repair or replacement conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Owner's Designee, Title Supv Site Modifications Group
CERTIFICATION 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described
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.
Commissions NB7980 A.N.I.R.NS PA 2204 Inspector's Signature Commissions NB7980 A.N.I.R.NS PA 2204 National Board, State, Province, and Endorsements
Date JUNE 21 2002

164DII

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

1. Owner		PPL Susque		Date	0	5/25/2002			
	769 Sa	lem Blvd, Berwi	ck, PA 18603		Sheet2	of	2		
2. Plant	Plant Susquehanna Steam Electric Station					UnitONE			
769 Salem Blvd, Berwick, PA 18603					WORK ORDE	RS: 3451	159, 391402, & 3914 05, 391433, & 39147 on P.O. No., Job No., etc.		
3. Work Per	formed by	PPL Su	squehanna, LL	С	Type Code Sym	•			
	769 Sa	lem Blvd, Berwi	ck, PA 18603		Authorization No)	N/A		
		Address			Expiration Date		N/A		
4. Indentific	ation of Syste	em							
(b) Appl	icable Edition	uction Code of Section XI Utilize	d for Repairs or Re	eplacements 19	89	Addenda,	N-411 Co	ode Case	
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
8) SMALL	PIPE	PPI	N/A	N/A	SDDCB121.4	2002	DEDI ACEMENT	NO	

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

1. Owner		ehanna, LLC		Date	4	4/25/2002	
Two N	orth Ninth St., Alle		01	Sheet	of		3
2. Plant	Susquehanna Stea	ım Electric Stat	ion	Unit		One	
769	Nan Salem Blvd, Berw	•				345920, 345927 16335, 316336	•
3. Work Performed by		Re	pair Organizatio	n P.O. No., Job No., e			
Name				Type Code Syr	nboi Stamp		ne
Two No	orth Ninth St., Aller	itown, PA 1810	01	Authorization N	lo	N/A	
				Expiration Date	·	N/A	
4. Identification of Sys	stem		183A, M	lain Steam; Cla	ss 1		
5. (a) Applicable Construction Code III 19 71 Edition, thru S' 71 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89					Addenda,	1535-2	Code Case
6. Identification of Cor	mponents Repaired or f	Replaced and Repl	lacement Compo	onents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
26" MSIV	Atwood & Morrill	5-221	NA	HV141F028A	1974	Replaced	Yes
26" MSIV	Atwood & Morrill	5-221	NA	HV141F028A	1974	Repaired	Yes
Super Bolts (torque nut assemblies)	Atwood & Morrill	N/A	NA	HV141F028A	2001	Replacement	No
Poppet	Atwood & Morrill	245951-3	NA	HV141F028A	2001	Replacement	Yes
Bonnet Cover	Atwood & Morrill	H3391-1	NA	HV141F028A	2001	Replacement	Yes
Pilot Poppet	Atwood & Morrill	54682-1	NA	HV141F028A	2001	Replacement	Yes
Body/Bonnet Stud	Atwood & Morrill	NA	NA	HV141F028A	2001	Replacement	No
7. Description of Work 8. Tests Conducted:	Other Press	Pneumatic	Nominal C	itics and mainta Operating Pressure st Temp. 52	X 1 °F	SE-100-002/SE	
NOTE: Supplemention in items 1 three recorded at the top	ental sheets in form of rough 6 on this report of this form.	lists, sketches, or is included on ea	drawings may ch sheet, and (be used, provided a 3) each sheet is no	(1) size is 8 umbered an	$\frac{1}{2}$ in. x 11 in., (indicated) in the number of	2) informa- f sheets is

FORM NIS-2 (Back)

9. Remarks					
Installation work performed by National Board Forms NR-1 a	/ Continental Fiel ind ASME Forms	ld Systems, Ind N-2 are attach	c. under their ned.	National	Board NR Program.
	CERTIFICATION				
We certify that the statements made ASME Code, Section XI.	in the report are co		Repair/Replacement repair or replacement	_ conforms	s to the rules of the
Type Code Symbol Stamp			N/A		
Certificate of Authorization No.	N/A	Expiration			N/A
Signed Owner of Owner by Designee, Title	Supv Site Modification	Date	Vine	26	, 20 02
Owner or Owner & Dysignee, Title	Supv Site modification	is Group			
CEF	RTIFICATION OF	F INSERVICE	INSPECTION		
				-	
I, the undersigned, holding a valid commis or Province of PENNSYLVANIA	and employed by	FACTORY	MUTUAL INSU	RANCE CO	of
JOHNSTON, RHODE ISLAND in this Owner's Report during the period	2.28-02	to			onents described, and state that
to the best of my knowledge and belief, the	Owner has perform	ed examinations a	and taken correc	tive measur	es described in this
Owner's Report in accordance with the req By signing this certificate neither the Ins	juirements of the ASI	ME Code, Section	XI.	ad as impulia.	d
examinations and corrective measures des	scribed in this Owner	's Report. Furthe	rmore, neither th	ne Inspector	nor his employer
shall be liable in any manner for any perso inspection.	nal injury or property	damage or a loss	of any kind aris	ing from or o	connected with this
1.11. 27 -					
Inspector's Signature	Cor	mmissions <u>NB7</u> Natio	7 <i>980 A.N. 1</i> onal Board, State	Province	PA ZZO 4 and Endorsements
Date JUNE 28 2002		,,	onar Board, Glass	,, r 10111100,	and Endorsements

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

1. Owner		PPL Susque		Date	4	/25/2002		
	Two Nort	th Ninth St., Allen		11	Sheet	2 of	3	
2. Plant	Su	Address squehanna Stear	m Electric Stati	on	Unit		One	
		Nam	e				345920, 345927	
769 Salem Blvd, Berwick, PA 18603 Address							16335, 316336 n P.O. No., Job No., etc.	
3. Work Performed by PPL Susquehanna, LLC					Type Code Syr	mbol Stamp	Non	е
	Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization N	lo	N/A	-
		Address			Expiration Date	·	N/A	
4. Identific	ation of Syste	m		183A, Ma	ain Steam; Cla	ss 1		
5. (a) App	licable Constr			71 Edition,	thru S' 71	Addenda,	1535-2	Code Case
		n of Section XI Utilize	d for Repairs or Re	eplacements 19	89	-		
6. Identific	ation of Comp	onents Repaired or F	Replaced and Repl	acement Compor	nents			
	me of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
26"	MSIV	Atwood & Morrill	6-221	NA	HV141F028B	1974	Replaced	Yes
26"	MSIV	Atwood & Morrill	6-221	NA	HV141F028B	1974	Repaired	Yes
	olts (torque semblies)	Atwood & Morrill	N/A	NA	HV141F028B	2001	Replacement	No
	oppet	Welding Services Inc.	245951-1	NA	HV141F028B	2001	Replacement	Yes
Bonne	et Cover	Atwood & Morrill	H3391-4	NA	HV141F028B	2001	Replacement	Yes
Pilot	Poppet	Atwood & Morrill	54682-4	NA	HV141F028B	2001	Replacement	Yes
Body/Bo	onnet Stud	Atwood & Morrill	NA	NA	HV141F028B	2001	Replacement	No
26"	MSIV	Atwood & Morrill	7-221	NA	HV141F028C	1974	Replaced	Yes
26"	MSIV	Atwood & Morrill	7-221	NA	HV141F028C	1974	Repaired	Yes
	olts (torque semblies)	Atwood & Morrill	N/A	NA	HV141F028C	2001	Replacement	No
Po	ppet	Welding Services Inc.	245951-2	NA	HV141F028C	2001	Replacement	Yes

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

1. Owner	PPL Susque		Date	4	4/25/2002		
Two Nor	th Ninth St., Allen	ntown, PA 1810	01	Sheet	3 of	3	
2. Plant St	Address usquehanna Steal Nam		ion	Unit		One	
769 S	DCP 316333	, 316334, 3	, 345920, 345927 16335, 316336 on P.O. No., Job No., etc.				
3. Work Performed by	Type Code Syr	_		<u> </u>			
Two North Ninth St., Allentown, PA 18101				Authorization N	ło	N/A	
Address				Expiration Date	·	N/A	
4. Identification of Systematics	em		183A, M	ain Steam; Cla	ss 1		
5. (a) Applicable Construction Code III 19 71 Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 8					_ Addenda,	1535-2 C	ode Case
6. Identification of Com	ponents Repaired or F	Replaced and Repl	acement Compo	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bonnet Cover	Atwood & Morrill	H3391-6	NA	HV141F028C	2001	Replacement	Yes
Pilot Poppet	Atwood & Morrill	54682-6	NA	HV141F028C	2001	Replacement	Yes
Body/Bonnet Stud	Atwood & Morrill	NA	NA	HV141F028C	2001	Replacement	No
26" MSIV	Atwood & Morrill	8-221	NA	HV141F028D	1974	Replaced	Yes
26" MSIV	Atwood & Morrill	8-221	NA	HV141F028D	1974	Repaired	Yes
Super Bolts (torque nut assemblies)	Atwood & Morrill	N/A	NA	HV141F028D	2001	Replacement	No
Poppet	Atwood & Morrill	245951-6	NA	HV141F028D	2001	Replacement	Yes
Bonnet Cover	Atwood & Morrill	H3391-2	NA	HV141F028D	2001	Replacement	Yes
Pilot Poppet	Atwood & Morrill	54682-2	NA	HV141F028D	2001	Replacement	Yes
Body/Bonnet Stud	Atwood & Morrill	NA	NA	HV141F028D	2001	Replacement	No

	-1 REPORT OF REPAIR TO UCLEAR COMPONENTS AN		
performed by_	Continental Field S		3218
	(name of NR certifi	Carta La	(P.O. no., job no., etc

 Work performed by 	Continental Field Sy	stems, Inc	3218
	(name of NR certifica	ate holder)	(P.O. no., job no., etc.)
23 Westgate	Blvd. Savannah, GA (address)	31405	
2. Owner PPL 1	LLC		
<u></u>	(name)		
2 North Nint	th Street, Allentown	, PA 18101	
	(address)		
3. Name, address and id	entification of nuclear power plant	Susquehanna Steam	Electric
5 Miles Nort	th of Berwick, PA	Salem Twp, PA	
4. System <u>1-83</u>	HV141FO28A	Main Steam	
5. a: Items Which Requ	ired Repair, Modification, or Repla	cement Activities See At	tached

	Identification					Construction Code				Activity		
No	Type of Item	Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class	Repair/ Mod/ Replace
1										 		
2												
3										· · · · · ·		
4												
5_												
6_												
7_												
8												
9												-
10												
11												
12												

5. b: Items Installed During Replacement Activities See Attached Identification Construction Code Type of Installed or. Mfg. Mfg Nat'l Bd. Jurisd Other Year Name/ Edition/ Code Code Replaced 5a Item No. Item Name Serial No. No. No Built Section/ Addenda Case(s) Class Division

6. ASME Code Section XI applicable for inservice inspection:	1989	N/	A	N/A
•	(edition)		(addenda)	(Code Cases(s))
7. ASME Code Section XI used for repairs, modifications, or re	placements:	1989 (edition)	N/A (addenda)	N/A (Code Cases(s))
3. Construction Code used for repairs, modifications, or replac	ements: _	1971	S 71	N/A
		(edition)	(addenda)	(Code Cases(s))
Design responsibilities: <u>Atwood & Morrill Co</u>	0			
.0. Tests conducted: hydrostatic 🗌 pneumatic 🔲 design pr	ressure 🗌	pressure_N/4	psi Code Ca	se(s)

11. Description of work: Se	e_Attached
•	(use of properly identified additional sheet(s) or sketch(es) is acceptable)
,	
	· · · · · · · · · · · · · · · · · · ·
12. Remarks: See attach	ed manufacturer's data report
r David McCathia	CERTIFICATE OF COMPLIANCE
I, David McCathie	certify that to the best of my knowledge and belief the statements made in this report are
	tion or replacement activities described above conforms to Section XI of the ASME Code and
the National Board Inspection (
National Board Certificate of A	
NR Certificate Holder <u>Con</u>	tinental Field Systems, Inc
Date 6/18 2002 Signe	d Dane Mc Catho Quality Control Manager
	(authorized representative) (title)
	CERTIFICATE OF INSPECTION
I, WILLIAM R. ROGERS TO	holding a valid commission issued by The National Board of Boiler and Pressure Vessel
Inspectors and certificate of con	ppetency issued by the jurisdiction of PENNSYLVANIA and employed by
	T
	f, this repair, modification or replacement activity has been completed in accordance with
	nd the National Board Inspection Code "NR" rules.
by signing this certificate, neither	er the undersigned nor my employer makes any warranty, expressed or implied, concerning
	t. Furthermore, neither the undersigned nor my employer shall be liable in any manner for
	image or loss of any kind arising from or connected with this inspection.
Date JUNE 24, ZUDZ Sig	aned William R. Trague III Commissions NB7980 A.N.I.B. NS PA 2204
	(inspector) (National Board (incl. endorsements), jurisdiction, and no.)

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems, Inc.

Job Number 3218

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028A

Items Which Required Repair, Modification, or Replacement Activities

Identification

		110411011							C	onstruction (Loge	
No	Type of Item	Mfg. Name	Mfg. Serial #	Nat'l Bd. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace
1	MSIV	A&M	5-221	N/A	N/A	N/A	1974	ASME III /NB	1971/S71	1535-2	ı	Repair
2												· · · · · · · · · · · · · · · · · · ·

Items Installed During Replacement Activities

Identification	on	Construction Code

Item	Installed/	MFG.	Mfg. Serial	Nat'l	Jurisd. No.	Other	Year Built	Name/	Edition/	Code	Code
	Replaced	Name	No.	Bd. No.				Section/	Addenda	Case(s)	Class
					L		İ	Division			
Poppet	Replaced	A&M	3	N/A	_ N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I .
Bonnet	Replaced	A&M	1	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Pilot Poppet	Replaced	A&M	1	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	I
	 	-	,								
	<u> </u>	· · · · · · · · · · · · · · · · · · ·								L	

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems, Inc.

Job Number 3218

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028A

6. ASME Code Section XI applicable for inservice inspection: 1989

(edition)

N/A (addenda)

N/A

(Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989

(edition)

N/A (addenda)

N/A

8. Construction Code used for repairs, modifications, or replacements: 1971

(edition)

Summer 71 (addenda)

I Code Case

(Code Case(s))

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted

N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

12. Remarks: Lower guide rib was extended to compensate for the installation of the re-designed poppet.

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 2 Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970 1. Manufactured and certified by (name and address of NPT Certificate Holder) Berwick, PA 18603 2. Manufactured for Pennsylvania Power & Light (name and address of Purchaser) Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179 3. Location of installation (name and address) 2001 N/A **SA 105 GR II** 81,600 PSI 4. Type: *32162-409-D Rev. 1 (CRN) (matil. spec. no.) (tensile strength) (drawing no.) N/A **S71** 1971 5. ASME Code, Section III, Division 1: (Code Case no.) (class) (addenda date) Date N/A N/A Revision 6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Cust. Item 01 A&M Item 11 Qty. 3 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda Length overall (ft& in.) N/A 5.094 Dia. ID (ft & in.) N/A 8. Nom. Thickness (in.) 5.312 Min. design thickness (in.) 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: National Part or Appurtenance National Part or Appurtenance Board No. Serial Number Board No. Serial Number In Numerical Order In Numerical Order (26)N/A (1) HT: H3391 S/N 1 (27)N/A HT: H3391 S/N 2 (2)(28)N/A HT: H3391 S/N 3 (3) (29)(4) (30)(5) (31)(6)(32)(7) (33)(8) (34)(9) (35)(10)(36)(11)(37)(12)(38)(13)(39)(14)(40)(15)(41)(16)(42)(17)(43)(18)(44)(19)(45)(20)(46)(21) (47)(22)(48)(23)(49)(24)(50)(25)At temp. *F N/A *F. Hydro, test pressure 575

Temp.

10. Design pressure

1250

(when applicable)

[&]quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, {2} information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

•	Certific	ate Holders' Serial Nos.	HT: H33	91 S/N 1 thr	ough S/N 3
	CERTIF	CATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFIC	ATE OF COMPLIANCE			
We certify that the statements made in this conforms to the rules of construction of the	report are correct and the	at this (these) Division 1.		Cover	
NPT Certificate of Authorization No.	N2607	Expires		6-13-0	04
Date <u>/2/14/0/</u> Name	Atwood & Mo	11111 CO., 1110.	igned	(authorize	Sullive ad representative)
	CERTIFIC	CATE OF INSPECTION			
I, the undersigned, holding a valid commis	sion issued by the Nation	nal Board of Boiler and P	ressure Vess	el Inspectors and	I the State or Province of
New York And	employed by		H.S.B.I	& I. Co.	and state that to the
of Hartford, CT Rest of my knowledge and belief, the Certif Division 1. Each part listed has been at y signing this certificate, neither the inspe in this Data Report. Furthermore, neither to loss of any kind arising from or connected to	utnorized for stamping of ector nor his employer ma he inspector nor his emp	ed these parts or appurton the date shown above.	enances in ac	ed concerning the	e equipment described
Date 12/14/61 Signed	(authorized ins		ommissions	Nat'l Bd. (incl. Endor	represents) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

anufactured and certified by	Atwood & Morrill Co.,	Inc. 285 Canal Street	Salem, MA 01	970
•	·			
anufactured for Pennsylv	ania Power & Light - E	(name and address of Purch	aser)	
ocation of installation Sus	quehanna II 2 North N	inth Street Allentown.	PA 18101-1179	
OCSTIDIT OF INSTRUGUENT OF OUR	querianna il 2 residirio	ame and address)		
ype: *32462-613-C F	Rev.0 SA 479-30	4 85,700 PSI	N/	·
(drawing no.)	(matil. spec. no.		(CR	(year built
SME Code, Section III, Divisio	n 1: 1971	S71	1	N/A
	(edition)	(addenda date)	(class)	(Code Case no.)
abricated in accordance with C	onst. Spec. (Div. 2 only)	N/A Revision	N/A Da	te N/A
	_	(no.)	462 613_4226 <u>-</u> 1	21 01 4
emarks: Cust, Item 01 / (A&M S.O. 90168) *Dwg	A&M Item 11 Qty. 8 Pile	of Poppet A&IVI P/IN 32	the required info	mation of ASME
(A&M S.O. 90168) *Dwg	prepared by A&M. 11	is certification meets	the required into	
Section III 1971 Edition	Summer 1971 addenda			
lom, Thickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & in	n.) <u>N/A</u> . Leng	th overall (ft& in.) N/
	-			
Vhen applicable, Certificate Ho	lders' Data Reports are attac	hed for each item of this rep	C)	
Part or Appurtenance	National	Part or Appu	rtenance	National
Serial Number	Board No.	Senal Nu	ımber	Board No.
32.14. (10.113.)	In Numerical Order			In Numerical Order
•	· ·			
(1) HT: 54682 S/N 1	N/A	(26)		
(2) HT: 54682 S/N 2	N/A	(27)		
(3) HT: 54682 S/N 3	N/A	(28)		
(4) HT: 54682 S/N 4	N/A	(30)		
(5) HT: 54682 S/N 5	N/A	(31)		
(6) HT: 54682 S/N 6	N/A	(31)		
(7). HT: 54682 S/N 8	N/A	(33)		
(8) HT: 54682 S/N 9	N/A	(34)		
(9)	<u></u>			
(10)		(35)		
(11)		(36)		
(12)	· ·	(37)		
(13)		(39)		
(14)		(40)		
(15)		(41)		
(16)		(41)		
(17)		— (42) (43)		
(18)	+	(44)		
(19)		(45)		
	1	(46)		
(20)				
(20)				
(20) (21) (22)	/	(47)		
(20) (21) (22) (23)	/	(47)		
(20) (21) (22)	/	(47)		

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg. 2 of 2)

	Certificate Hold	iers' Serial Nos.	HT: 5468	2 S/N 1 through	S/N 6, 8 & 9
-	CERTIFICA	ATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFICAT	E OF COMPLIANC	Œ		
We certify that the statements made in conforms to the rules of construction of				Pilot Poppe	t
NPT Certificate of Authorization No.	N2607	Expires		6-13-04	1
Date /2//7/0/ Na	Atwood & Morril (NPT Certificate		Signed	Sorian U.S. (authorized	representative)
I, the undersigned, holding a valid cor		TE OF INSPECTIO		sel inspectors and t	: :
New York	And employed by			l & I. Co.	
of Hartford, CT st of my knowledge and belief, the of Division 1. Each part listed has been by signing this certificate, neither the light in this Data Report. Furthermore, neither loss of any kind arising from or connected to the state of the state o	have inspected these items of Certificate Holder has fabricated the en authorized for stamping on the Inspector nor his employer makes ther the inspector nor his employer	these parts or appu e date shown above s any warranty, exp	artenances in a e. aressed or impl	ied, concerning the rany personal injury	equipment described
					•

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

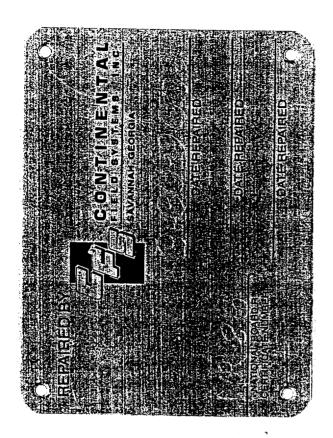
1 1			T Certificate Holder)			
Manufactured for Pennsylvan	ia Power & Light Be	erwick	, PA 18603 to and address of Purchas	ser)		·
ocation of installation Susque	ehanna II 2 North Nir	=	•	•	1179	
		me and a				
ype: *32467-622-D Rev			77,100 PSI		N/A	. 200
(drawing no.)	(mar'l spec, no.),		(tensile strength)	•	(CRN)	(year b
SME Code, Section III, Division 1:	1971 (edition)	- /20	S71 Idenda date)	(class)		N/A (Code Case no.)
abricated in accordance with Cons	• •	N/A	•	N/A	Date	N/A
		(no.)	.—			IN/A
emarks: Cust. Item 01 A&I	M Item 11 Qty.1 Popp	et A&	M P/N 32162-40	9-2974-00	OO_QLA	
(A&M S.O. 90168) *Dwg. p Section III 1971 Edition sur	repared by A&M. Thi	s cert	ification meets th	e require	d informatio	n of ASME
· · · · · · · · · · · · · · · · · · ·	imer 1971 addenda					
om, Thickness (in.) 7.312 M	lin. design thickness (in.)	5.49	. Dia. ID (ft & in.)	N/A	Length over	# (ft& in.)
			_			
Then applicable, Certificate Holden	s' Data Reports are attache	ed for e	ach item of this repo	rt:		_
		٦ ١		<u> </u>		
Part or Appurtenance Serial Number	National		Part or Appurte			ational
Senai Number	Board No. In Numerical Order		Serial Num	ber	E .	ard No. erical Order
		•				
(1) HT: 245951 S/N 3	. N/A		(26)		•	•
(2)		7	(27)			
(3)		7	(28)			
(4)		7	(29)			· · · · · · · · · · · · · · · · · · ·
(5)		- .	(30)		· ·	****
(6)	•	-	(31)			
(n)		-{	(32)			
(8)		-{	(33)			
(9)		-	(34)	 		
(10)		-			ļ	
(11)		-	(35) (36)			,
		-	(37)			
· · —		- 1	(38)	 		 .
(12)						
(12)		╣.				
(12) (13) (14)		- - -	(39)			
(12) (13) (14) (15)		- ' - -				
(12) (13) (14) (15) (16)			(39)			
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(12) (13) (14) (15) (16) (17) (18) (19) (20) (21)			(40) (41) (42) (43) (44) (45) (45) (47)			

"Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form."

Reprint (7/ 91)

FORM N-2 (Back - Pg. 2 of 2)

·	Certificate Holders' S	Serial Nos.	HT: 245951	S/N 3 through	h N/A
•	CERTIFICATIO	N OF DESI	GN		
Design specifications certified by	`N/A -	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	(when applicable)	P.E. State	N/A	Reg. no.	N/A
· · · · · · · · · · · · · · · · · · ·	(when applicable)	State	· · ·		
· 	CERTIFICATE OF	F COMPLIA	NCE		•
	e in this report are correct and that this (in or the ASME Code, Section III, Division			Poppet	
NPT Certificate of Authorization No.	N2607	Expires	·	6-13-04	
Date 12/17/01	Name Atwood & Morrill Co	o., Inc.	Signed	Sind	Sullia
	, i - i - i - i - i - i - i - i - i - i			(2	;
	CERTIFICATE O	F INSPECT	ION		
I, the undersigned, holding a valid of	commission issued by the National Boar	rd of Boiler a	ınd Pressure Vesa	el Inspectors and the	ne State or Province of
New York	And employed by	•	H.S.B.I	& I. Co.	•
of Hartford, CT	have inspected these items descri		•	12/17/01	, and state that to the
III, Division 1. Each part listed has I By signing this certificate, neither the	ne Certificate Holder has fabricated these been authorized for stamping on the dat it inspector nor his employer makes any teither the inspector nor his employer shinected with this inspection.	te shown abo / warranty, e	ove. expressed or implie	ed, concerning the e	equipment described
Date 12/17/01 Signed	150 101		Commissions	Nat'l Bd. (Incl. Endorsen	A N ments) and state or prov. and no.]



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	ormed by_	Contin	ental	Field me of NR o	Syst	ems.	I	nc				3218	, job no., etc	.)
23 We	stgate	Blvd.	Savan			•						(1.0. 110.	, job no., etc)
					iress)						•			
. Owner	PPI. I	.L.C.		(na	ıme)			-						
2 Nor	th Nint	h Stre	et. A	llento	own.	PA 1	81	01						
				(add	iress)									
Name, add	iress and ides. Nort	entification	of nuclear	power p	plant	Sus			nna Twp			ectric		
	1-83 H								IWP					
	Which Requ											d		
		144	fication		_					<u></u>		Code		A
T	1460		1	7	011			N.I.	1		nstruction		G 1	Activity
Type of Item	Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Buil	- 1	Sect	ne/ ion/ ision		dition/ ddenda	Code Case(s)	Code Class	Repair, Mod/ Replace
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3					<u></u>		\Box							
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. b: Items I	nstalled Du	ring Repla	cement Ac	tivities	_			_						
		0 1	Identifica		See	Atta	ch.	ea			(Constructi	on Code	
Type of Item	Installed or Replaced 5a Item No	Name	Mfg Serial No	Nat'l	1 1	Jurisd No	O	her	Year Built		Name/ Section/ Division	Edition, Addend	Code Case(
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						-								
ASME Cod	e Section XI	applicable	e for inserv	rice inspe	ection:	1989	editio	on)		<u> </u>	N/A (addenda)	N/A (Code	Cases(s))
	e Section XI					(6	editio		198	9	N/A (addenda)			Cases(s))

11. Description of work:	See Attached	fied additional sheet(s) o	r sketch(es) is acceptable)		
	(ase of property identifi	neu additional sneet(s) of	skerch(es) is acceptable)		
				 	
	,				··
	····				
					
					
					
 					
12. Remarks: See	attached manufa	ecturer's da	ata report		
					
					
					
				<u> </u>	
					
· David McCathi	! _	FICATE OF COM			
I, David McCathi		best of my knowle	edge and belief the stat	ements made in thi	s report are
correct and the repair, mod the National Board Inspec	tion Code "NP" rules	activities described	above conforms to Sec	tion XI of the ASM	E Code and
National Board Certificate		NR-86	to use the "NR" stamp	expires 5/25	2003
NR Certificate Holder <u>C</u>		d Systems,	Inc	cxpires	
Date <u>6/18 2002</u> :		zed representative)	Qualit	y Control M (title)	anager
	CERT	IFICATE OF INSP	ECTION		
WILLIAM R. ROGE				of Boiler and Press	ure Vessel
Inspectors and certificate o	of competency issued by the	he jurisdiction of 📙	PENNSYLVANIA		loyed by
FACTORY MUTUAL I			of Johnston	KI	have
nspected the repair, modif	ication or replacement de	scribed in this repo	ort on <u>4-1</u> Z	002 and state	that to the
Section XI of the ASME Co	belief, this repair, modified	ation or replaceme	ent activity has been co	mpleted in accorda	nce with
Ry signing this certificate	de and the National Board	I Inspection Code	"NK" rules.	1 1. 1	
he work described in this	neither the undersigned n report. Furthermore, neith	or my employer m her the undersione	d nor my employer che	oressea or implied, all be liable in accor-	concerning
ny personal injury, proper	ty damage or loss of any	kind arising from	or connected with this	inspection	naturer Ior
Date JUNE 24, 2002	_ Signed Usller 16.	Huges III	Commissions NB	7980 A.N.I. B.NS	
		pector		endorsements), jurisdictio	





Job Number 3218

Worked Performed by Continental Field Systems, Inc.

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028B

Items Which Required Repair, Modification, or Replacement Activities

Identification

No	Type of Item	Mfg. Name	Mfg. Serial	Nat'l Bd.					C	onstruction (Code	
		ing. Ivanic	#	Nat i Bu. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace
1	MSIV	A&M	6-221	N/A	N/A	N/A	1974	ASME III /NB	1971/S71	1535-2		Repair
											,	Керап

Items Installed During Replacement Activities

Item	Identificatio Installed/	MFG.	M6- Contain	N		T			Construction	Code	
	Replaced	Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
Poppet	Replaced	WSI	1	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	Ţ
Bonnet	Replaced	A&M	4	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	<u>I</u>
Pilot Poppet	Replaced	A&M	4	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	i
		·									
	 										

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems, Inc.

Job Number 3218

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028B

6. ASME Code Section XI applicable for inservice inspection: 1989

N/A

N/A

(edition)

(addenda)

(Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989

(edition)

N/A (addenda)

N/A

8. Construction Code used for repairs, modifications, or replacements: 1971 Summ

(edition)

Summer 71 (addenda)

(Code Case(s))

Code Case

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted

N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

12. Remarks: Lower guide rib was extended to compensate for the installation of the re-designed poppet.

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 2

	Manufactured and certified by	Welding Services, Inc. 2225 Skyland Court, Norcross GA, 30071 (name and address of NPT Certificate Holder)						
) 	Manufactured for	Atwood & Morril Co. 285 Canal Street. Salem, MA 01970						
		(name and address of Purchaser)						
3. Location of installation PPL Susquehanna Nuclear Power Plant. Berwice (name and address)						nt. Berwick	PA. 180	J3
•		•		•				2004
١.	Type: A & M Dwg D- 32467-622 R/7	SA 105 Gr.II	70.	0 Ksi		N/A		2001
	(drawing no.)	(mat'l. spec. no.)	(lensile	strength)		(CRN)		(year built)
	ASME Code, Section III, Division	on 1: 1971		S 1971		1		N/A ·
•		(edition)		(addenda dale	•	(class)		(Code Case no.)
	Fabricated in accordance with (Const. Spec. (Div. 2 only)		(no.)	Revision	N	/A	Date N/A
	Remarks: 21" MSIV Valve Po	oppet SA 105 Gr.II with S	FA 5.1	3 Alloy 21	Stellite 21 Ha	ardsurfacing	. Heat # 2	45951 for SA 105 Gr. II
	Heat #s 00-21-01, 00-21-05,0	0-21-06,101001836, 01-	0876 a	nd 1210-N	0832R125 f	or Stellite 2	1	·
						<u>.</u>		
	Nom. Thickness (in.) N/A	Min. design thickness (in.)	N/A	Di	a. ID (ft & in.)	21" Nom. OD	Length ov	erall (ft & in.) 31"
١.	When applicable, Certificate Holder	s Data Reports are attached f	or each	item of this r	report:	· · · · · · · · · · · · · · · · · · ·		
	Part or Appurtenance Serial Number	National Board No. In Numerical Order			Part or App Serial N			National Board No. In Numerical Order
_	► (1) 245951-1			(26)				
	(2) 245951-2			(27)				
	(3) 245951-4	1	_	(28)				
	(4) <u>245951-5</u> (5) <u>245951-7</u>							
	(5) <u>245951-7</u> (6) <u>245951-8</u>							
	(7) 245951-9			(32)	 _			
	(8)			(33) —				
	(9)			(34) —				
	(10)			(36)				
	(12)			(37)				
	(13)			(38)				
	(14)			(39)	-			
	(15)	 		(41)				
	(16)	 	_					
	(17)			(43)				
	(19)			(44) _				
	(20)			(45) -	 			
	(21)	 		(40) -				
	(22)							
	(23)	+		(49)				
	(24)						1	
	(23) (24) (25)			(50) _		 .		

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00040) may be obtained from the Order Dept., ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

	Certificate H	older's Serial Nos. Ht	245951	through	4,5,7,8,9
	CERTIFICATION O	F DESIGN			·
•	CENTILIDATION	, 520.0.0			
Design Specifications certified by	Boyd P. Brooks (when applicable)	P.E. State	CA .	Reg. No.1	13655
Design Report* certified by	Herbert Cook (when applicable)	P.E. State	MA	Reg. No	10981
	CERTIFICATE OF CO	OMPLIANCE		· · · · · · · · · · · · · · · · · · ·	<u> </u>
	CERTIFICATE OF GR			•	
We certify that the statements made is conform(s) to the rules for construction NPT Certificate of Authorization No. Date 12-10-01 Name	n this report are correct and that this (these) n of the ASME Code, Section III, Division 1. N-2873 Welding Services Inc.	21" MSIV Valve Pol	November 13	1,2004 013 YEPE	2
Date 12-10-01	(NPT Certificate Holder)		(authoriz	ed representative)	
•					
	CERTIFICATE OF IN	ISPECTION			
	ng a valid commission issued by the National Bo and employed	ard of Boiler and Pressu	re Vessel Inspe eam Boiler Insp	ctors and the State	or Province of ce Co.
Georgia CT	have inspected these items described in this D	ata Report on Dec	ember 10, 200°	and stat	e that to the
best of my knowledge and belief.	the Certificate Holder has fabricated these authorized for stamping on the date shown abo	parts or appurtenances	in accordance	with ASME Cod	e, Section III,
in this Data Report. Furthermore, n	her the inspector nor his employer makes ar either the inspector nor his employer shall be	ny warranty, expressed liable in any manner for	or implied, cond any personal i	cerning the equipm njury or property d	nent described amage or loss
of any kind arising from or connected	with this inspection.		•		
Date 12-10-01 Signed	Carrier To		465 ABN, GA#		u and so l
	(Authorized Nuclear Managector)	- [Net1. Bd	. (incl. Endorseme	ents) and state or pro	
L		* * * * * * * * * * * * * * * * * * * *			

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

1. Manu	factured and certified by	Atwood & Morrill Co., In	s of NPT Certificate Holder)	Salem, MA 01970	
2. Manu	factured for Pennsylva	ania Power & Light Be	rwick, PA 18603 (name and address of Purchase	er)	
3. Locat	ion of installation Susc	quehanna II 2 North Nint	th Street Allentown, P	A 18101-1179	
4. Type:		ev. 1 SA 105 GR (mat'l. spec. no.)	77,900 PSI (tensile strength)	N/A	2001 (year built)
	(drawing no.)				N/A
5. ASM	E Code, Section III, Division	1: 1971 (edition)	S71 (addenda date)	(class)	(Code Case no.)
6. Fabri	cated in accordance with Co	onst. Spec. (Div. 2 only)	N/A Revision	N/A Date	N/A
7. Rema	arks: Cust. Item 01 A	&M Item 11 Qty, 3 Cove	r A&M P/N 32162-409	-2974-000_QLA	4.0145
<u>(A</u> ?	&M S.O. 90168) *Dwg.	prepared by A&M. This	certification meets th	e required informati	on of ASME
_Se	ction III 1971 Edition s	summer 1971 addenda			
	Thickness (in.) 5.312	Min. design thickness (in.) ders' Data Reports are attache	d for each item of this repor	t:	
	Part or Appurtenance Serial Number	National Board No: In Numerical Order	Part or Appurte Serial Num	ber E	National loard No. merical Order
(1)	HT: H3391 S/N 4	N/A	(26)		
(2)		N/A	(27)		
(3)		N/A	(28)		
(4)			(29)		
(5)			(30)		
(6)			(32)		
(7)			(33)		
(8)			(34)		
(10			(35)		
(11	·		(36)		
(12)		(37)		
(13	<i>'</i>		(38)		
(14			(39)		
(15			(40)		
(16			(42)		
(17 (18			(43)		
(19			(44)		
			(45)		
1	•		(46)		
(20)				
(20			(47)		
(20 (21	2)	,	(48)		
(20 (21 (22	2)				

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

	Certificate Holde	Certificate Holders' Serial Nos.		HT: H3391 S/N 4		S/N 6			
CERTIFICATION OF DESIGN									
Design specifications certified by	, N/A	P.E. State	N/A	Reg. no.		N/A			
	(when applicable)	•		_					
Design report * certified by	N/A	P.E. State	N/A	Reg. no.		N/A			
<u>.</u>	(when applicable)					·			
CERTIFICATE OF COMPLIANCE									
We certify that the statements made in this report are correct and that this (these)									
conforms to the rules of construction	n of the ASME Code, Section III, Divi	sion 1.			<u></u>				
NPT Certificate of Authorization No	. N2607	Expires -		6-1	3-04				
Date <u>12/14/6/</u>	Name Atwood & Morrill (NPT Certificate Hi		Signed	-vla- (aut	La forized representation	entative)			
	CERTIFICATI	E OF INSPECTION				:			
				d Inchestors	and the St	ate or Province of			
I, the undersigned, holding a valid	commission Issued by the National B	oard of Boller an	d Pressure Vessi	ei mspeciors	and the or	ate of f totales of			
New York	And employed by		H.S.B.I	& I. Co.		d state that to the			
Hartford, CT	have inspected these items do	escribed in this D	iala Report on Judenances in act	ordance wit					
	ne inspector nor his employer makes neither the inspector nor his employer			d, concerning any personal	g tne equip injury or pi	roperty damage or			
loss of any kind arising from or con	nected with this inspection.			• •					
1.1			Commissions	NY50	70. A				
Date 12/14/61 Signer	(authorized inspector)			lati Bd. (incl. En	torsements) a	nd state or prov. and no.)			
(

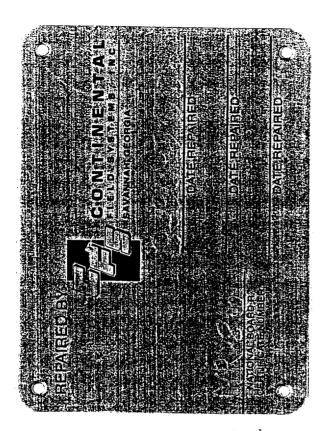
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

anufactured for Pennsylvan	ia Power & Light · Ben	wick, PA 18603		
		(name and address of Purcha		
ocation of installation Susqu	ehanna II 2 North Ninti	n Street Allentown, l	PA 18101-117	9
	•	•		I/A 200
/pe: *32462-613-C Re	v.0 SA 479-304 (matt. spec, no.)	85,700 PSI (tensile strength)		RN) (year b
	• • • •	•	4	N/A
SME Code, Section III, Division 1	: 1971 (edition)	S71 (addenda date)	. (ciass)	(Code Case no.)
abricated in accordance with Con	st Snec (Div 2 only)	N/A Revision	N/A D	ate N/A
	 -	(no.)		
emarks: Cust, Item 01 A&	M Item 11 Qty. 8 Pilot F	Poppet A&M P/N 324	62-613-4226-	121_QLA
(A&M S.O. 90168) *Dwg. p	prepared by A&M. This	certification meets the	ne required inf	ormation of ASME
Section III 1971 Edition Su	ımmer 1971 addenda			
om. Thickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & in.	N/Δ Ler	ngth overall (ft& in.)
	_			
hen applicable, Certificate Holde	rs' Data Reports are attached	for each item of this repo	ort:	
Part or Appurtenance	National	. Part or Appurt	enance	National
Serial Number	Board No.	Serial Nun	nber	Board No. In Numerical Order
	In Numerical Order			in Numerical Order
(4) LIT. 54090 C/N 4	NI/A	(26)	1	
(1) HT: 54682 S/N 1	N/A N/A	(27)		
(2) HT: 54682 S/N 2 (3) HT: 54682 S/N 3	N/A	(28)		
-(4) HT: 54682 S/N 4	N/A	(29)		
(5) HT: 54682 S/N 5	N/A	(30)		
(6) HT: 54682 S/N 6	N/A	(31)		
(7) HT: 54682 S/N 8	N/A	(32)		
(8) HT: 54682 S/N 9	N/A	(33)		
(9)		(34)		
(10)		(35)		
(11)		(36)		
(12)		(37)		
(13)		(38)		
(14)		(39)		<u> </u>
(15)		(40)		
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		(44)		
(19)		(45)		
(19)		(46)		
(20) (21) (22)		(47)		
(20) (21) (22) (23)		(47)		
(20) (21) (22)		(47)		

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided [1] size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

	Certificate Hold	lers' Serial Nos.	HT: 54682	2 S/N 1 through	S/N 6, 8 & 9					
•	CERTIFICA	ATION OF DESIGN								
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A					
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A					
	CERTIFICAT	E OF COMPLIANC	E							
We certify that the statements made in this report are correct and that this (these) conforms to the rules of construction of the ASME Code, Section III, Division 1.										
NPT Certificate of Authorization No.	N2607	Expires		6-13-04	1					
Date Nam	e Atwood & Morril		Signed /	Source Alas	reprezentative)					
				· · · · · · · · · · · · · · · · · · ·						
I, the undersigned, holding a valid comm	nission Issued by the National	FE OF INSPECTION Board of Boiler and	Pressure Ves		he State or Province of					
New York And employed by H.S.B.I & I. Co. of Hartford, CT have inspected these items described in this Data Report on 12/1761, and state that to the st of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection. Date 4/1761 Signed (authorized inspector) Commissions 1/5070 Au [Nari Bd. (incl. Endorsements) and state or prov. and no.]										
	· /		·							



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REPORT OF REPAIR K MODIFICATION OR REPLACEMENT X

. Wo	rk perfe	ormed by_	Contin					nc			3218		
					me of NR o		•				(P.O. no.	, job no., etc	:.)
_2	3 We	stgate	Blvd.	Savant		A 314	05						
Οw	ner	PPL LLC	;		•	·							
•					(na	ime)							- ·
	No ₁	th Nin	th Stre	et, A		own, I	PA 18	101					
Nias	d	lease and id	lontification	of musics	•	•	Sucau	ahan	na S	team El	actric		
			h of Be								ECCLIC		
. Sys	tem _	<u>-83</u>	HV14	1F028C		Ma	ain S	team	l				
. a:	Items \	Which Requ	iired Repai	r, Modifica	ition, or F	Replacem	ent Acti	vities	Se	e Attacl	ned		
			Identi	fication				1		Construction	Code		Activity
7,	ype of	Mfg.	Mfg.	Nat'l Bd.	Jurisd.	Other	Үеаг	Na	me/	Edition/	Code	Codo	
- 1	Item	Name	Serial No.		No.	Other	Built	Sect	ion/ ision	Addenda	Case(s)	Code Class	Repair/ Mod/ Replace
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h.	Itams I	netalled Du	ring Replac	rement Ac	Hiritiae	•	4		,				
. Б.	itellis i	istalled Du	Ing Replac	Identifica		See	Atta	vhed	<u> </u>	1 7	Construction	on Code	
Туре		Installed or		Mfg	Nat'l	1 -		ther	Year	Name/	Edition	/ Code	
Ite	m	Replaced 5a Item No	. Name	Serial No	. No).	No		Built	Section/ Division	Addend	a Case(s	s) Class
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	TE Cod	e Section XI	applicable	for inserv	ice inspe	ction:	1989 (editi	ion)		N/A (addenda)	<u> </u>	N/A (Code C	Cases(s))
ASN			used for re						198		N/A enda)		
										. ,	•	,,	
ASM		n Code use	d for repair	s, modific	ations, o	replace	ments:		1971 edition)	N/A	nda)	N/	A

11. Description of work: See Attached (use of properly identified additional sheet(s) or sketch(es) is acceptable)
The state of the s
12. Remarks: See attached manufacturer's data report
· ·
CERTIFICATE OF COMPLIANCE
I, <u>David McCathie</u> certify that to the best of my knowledge and belief the statements made in this report are
correct and the repair, modification or replacement activities described above conforms to Section XI of the ASME Code and
the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. $NR-86$ to use the "NR" stamp expires $5/25$, 2003
NR Certificate Holder Continental Field Systems, Inc.
Date 6/18 2002 Signed On he half Quality Control Manager
(authorized representative) (title)
CERTIFICATE OF INSPECTION
I, WILLIAM F. ROGERS TIL. holding a valid commission issued by The National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of FENNSYLVANIA and employed by
FACTORY MUTUAL INSURANCE COMPANY OF JOHNSTON FI have
inspected the repair, modification or replacement described in this report on 4-1 2002 and state that to the
best of my knowledge and belief, this repair, modification or replacement activity has been completed in accordance with
Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning
the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for
any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date JUNE 24, ZOOZ Signed William R. Roger TT Commissions NB 7980 A.N.I. B.N.S. PAZZO4
Date JUNE 24, 2002 Signed William IC. Kigutt Commissions NB 7980 A.N.T. B.NS PAZZO4

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028C

Items Which Required Repair, Modification, or Replacement Activities

Identification Construction Code No Type of Item Mfg. Name Mfg. Serial Nat'l Bd. Jurisdiction Other Year Name/ Section/ Edition / Code Code Class Repair/ No. No. Built Division Addenda Case(s) Replace MSIV 7-221 1 A&M N/A N/A N/A 1974 ASME III /NB 1971/S71 1535-2 Repair 2

Items Installed During Replacement Activities

	Identificatio	n							Construction	Code	
Item	Installed/ Replaced	MFG. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
Poppet	Replaced	WSI	2	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	Ţ
Bonnet	Replaced	A&M	6	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	Ī
Pilot Poppet	Replaced	A&M	6	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	Ī
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	I
											
	<u> </u>		<u></u>	li					1	1	

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems 23 Westgate Blvd., Savannah, Georgia 31405

Job Number 3218

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028C

6. ASME Code Section XI applicable for inservice inspection: 1989

N/A

N/A

(edition)

(addenda)

(Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989

ents:1989 N/A (edition) (add N/A

(cantion)

(addenda)

(Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1971

(edition)

Summer 71 (addenda)

Code Case

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted

N/A

- 11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.
- 12. Remarks: Lower guide rib was extended to compensate for the installation of the re-designed poppet.

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pa. 1 of

Manut	actured and certified by	Weldin	ng Service	es, Inc. 22 name and a	didress of NPT C	Court, Norce	oss GA, 300) (
Manus	actured for	Atwood 8				Saiem, MA 0			
wanut		7(4000 6			ress of Purchas				
Locati	on of installation	PPL Su	squehani	na Nuclea	r Power Pla	nt. Berwick, F	PA. 18603		
Locati	511 51 1115tGillatio			nen)	ne and address)				
Туре:	A & M Dwg D-	SA 105 Gr.II .	70.0	Ksi	•	N/A		200	01
, ype.	32467-622 R/7	•	(lensile s	tranath)		(CRN)		(year	huilt\
•	(drawing no.)	•				4	•	N/A	-
ASME	Code, Section III, Division	on 1: 1971 (edition)	(ac	S 1971 Idenda dale)		(class)	·	(Code Ca	
			•	N/A	Revision	N/A	. Da	ate	N/A
Fabric	ated in accordance with	Const. Spec. (Div. 2 only)		(no.)	_ 1101131311				
		oppet SA 105 Gr.II with S 00-21-06,101001836, 01-							
Non T	hickness (in.) N/A	Min. design thickness (in.)	N/A	Dia	. ID (ft & in.)	21" Nom.	Length overall	(ft & in.)	31"
		<u>-</u>				_00			
When a	applicable, Certificate Holder	s Data Reports are attached f	or each ite	m of this re	port:				
								A1 A1	
	Part or Appurtenance	National Board No.	.		Part or Appo Serial No		1	National Board No	,
	Serial Number	In Numerical Order			SCIMIT	umbei	In N	umerical	
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	45951-1		_				 		
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*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept., ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

(12/88)

	Certificate H	older's Serial Nos. Ht	# 245951	through1,2,4	4,5,7,8,9
	CERTIFICATION O	F DESIGN			
	CERTIFICATION	DECICIT			
Design Specifications certified by	Boyd P. Brooks	P.E. State	CA	Reg. No.\	13655
	(when applicable)				
Design Report* certified by	Herbert Cook	P.E. State	MA	Reg. No.	10981
	(when applicable)				
			,		
	CERTIFICATE OF CO	MPLIANCE	^.		
We certify that the statements made i	n this report are correct and that this (these)	21" MSIV Valve Po	ppets		
conform(s) to the rules for construction	on of the ASME Code, Section III, Division 1.	,			
NPT Certificate of Authorization No.	N-2873	Expires	November 13	, 2004	
Date 12-10-01 Name	Welding Services Inc.	Signed 11 CIV	L. W/LU	13 YEPE	7
	(NPT Certificate Holder)	- 1	(authorize	ed representative)	
			•		
			•		
	CERTIFICATE OF IN	SPECTION			•
					-
I, the undersigned, holdir Georgia	ng a valid commission issued by the National Bo and employed	ard of Boiler and Pressu by The Hartford Si	re Vessei Inspec team Boiler Insp	ctors and the State ection and Insurant	or Province of Se Co.
of Hartford, CT	have inspected these items described in this D		ember 10, 2001		e that to the
best of my knowledge and belief,	the Certificate Holder has fabricated these p	arts or appurtenances	in accordance	with ASME Code	e, Section III,
Division 1. Each part listed has been	authorized for stamping on the date shown above	re			
By signing this certificate, neit	her the inspector nor his employer makes an	y warranty, expressed (or implied, conc	erning the equipm	ent described
in this Data Report. Furthermore, n	either the inspector nor his employer shall be	iable in any manner for	any personal in	ijury or property da	amage or loss
of any kind arising from or connected	with this inspection.		-		
Date 12-10-01 Signed	Lidney Wouldgome co	mmissions NB # 11	465 ABN, GA #	393	
	(Authorized Nuclear Inspector)			nis) and state or prov	, and no.]
		•	•		

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

Manufactured for Pennsylv	ania Power & Light B	Jerwick, PA 18603			
Alatidiacidied for FEIIII2 Ata	ama Fower & Light B	(name and address of Pure	:haserj		
Location of installation Sus	quehanna II 2 North Ni	inth Street Allentown	. PA 18101	-1179	
		ame and address)	· '		
гу́ре: *32162-409-D R	ev. 1 SA 105 GR	II 77,900 PS	1	N/A	200
(drawing no.)	(mat'l spec. no.)) (tensile strength)		(CRN)	(year b
SME Code, Section III, Division	11: 1971	S71	11		N/A
	(edition)	(addenda date)	(ciass)		(Code Case no.)
abricated in accordance with C	onst. Spec. (Div. 2 only)	N/A Revision	N/A	Date	N/A
Remarks: Cust Item 01 A	&M Item 11 Qty. 3 Cov	. (no.) /er Δ&M P/N 32162-4	LN9-2974-ni	no OLA	
(A&M S.O. 90168) *Dwg	prepared by A&M. Th	is certification meets	the require	d informati	on of ASME
Section III 1971 Edition s					
		5.004 Di 10.45.1	- > > (4.4	l th	U (60 in) h
Iom. Thickness (in.) 5.312	Min. design thickness (in.)	5.094 Dia. ID (ft &	in.) <u>N/A</u>	Length over	rall (ft& in.)
Vhen applicable, Certificate Holi	ders' Data Reports are attach	ned for each item of this re	port:		
	·				
Part or Appurtenance	National	Part or App	urtenance	·	Vational
Serial Number	Board No.	Serial N		В	oard No.
	In Numerical Order			In Nur	merical Order
		(26)			
(1) HT: H3391 S/N 4	N/A N/A	(26) (27)		 	
(2) HT: H3391 S/N 5 (3) HT: H3391 S/N 6	N/A N/A	(28)			
(4)	IN/A	(29)	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
(5)		(30)			
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\ - /		1/201			
(7)		(32)			
		(33)			
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*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

	Certificate Hold	ders' Serial Nos.	HT: H3391	S/N 4	through S/N 6
·	CERTIFICA	ATION OF DESIGN	1		
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A	P.E. State	N/A	Reg. no.	N/A
	(when applicable)		•		•
	CERTIFICAT	E OF COMPLIAN	CE		•
We certify that the statements made in this			· · · · · · · · · · · · · · · · · · ·	Cove	er
conforms to the rules of construction of the	ASME Code, Section III, Di	vision 1.			
NPT Certificate of Authorization No.	N2607	Expires		6-1	3-04
Date 12/14/8/ Name	Atwood & Morril		Signed	ma-	horized representative)
-7-7	(NPT Certificate	Holder)		. <u> </u>	oursed tebteseurative)
	CERTIFICA	TE OF INSPECTIO	N		:
I, the undersigned, holding a valid commis	sion issued by the National	Board of Boiler and	l Pressure Vess	el Inspectors	and the State or Province of
New York And	employed by		H.S.B.I	& I. Co.	
	ave inspected these items			12/14/0	, and state that to the
st of my knowledge and belief, the Certification, Division 1. Each part listed has been au	cate Holder has fabricated	these parts or appu	irtenances in ac	cordance with	the ASME Code, Section
By signing this certificate, neither the inspec	tor nor his employer makes	s anv warranty, exp	ressed or impli	ed, concerning	the equipment described
in this Data Report. Furthermore, neither the loss of any kind arising from or connected w	ie inspector nor his employe	er shall be liable in	any manner for	any personal	injury or property damage or
loss of any kind ansing from or connected v	Viul tris inspection.				
Date 12/14/61 Signed	1971		Commissions	NY501	70. A. J. orsements) and state or prov. and no.]
	(authorized inspecto	r)	·	THE CHO	

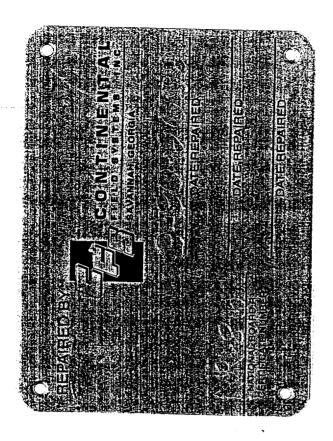
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

	Pq.	1	of	2
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			of NPT Certificate Holder)		
anufacture	d for Pennsylvan	ia Power & Light Berw	(name and address of Purchas	er)	
ocation of in	nstallation Susqu	ehanna II 2 North Ninth	Street Allentown, F	A 18101-1179	
		(name a	nd address)		
/pe:	*32462-613-C Re	v.0 SA 479-304	85,700 PSI (tensile strength)	N/A (CRN)	200 (year bu
	(drawing no.)	(matil, spec, no.)	,	(3.11.)	N/A
SME Code,	, Section III, Division 1	: 1971 (edition)	S71 (addenda date)	(class)	(Code Case no.)
-briantad in	accordance with Cons	• • • •	N/A Revision	N/A Date	N/A
abricated in			(no.)		
emarks:	Cust. Item 01 A&	M Item 11 Qty. 8 Pilot Po	oppet A&M P/N 324	62-613-4226-121_C	LA
(A&M S.	O. 90168) *Dwg. p	prepared by A&M. This o	certification meets th	e required informati	on of ASME_
Section I	II 1971 Edition Su	ımmer 1971 addenda			
om, Thickn	ess (in.) 1.50 M	Min. design thickness (in.)	1.36 Dia. ID (ft & in.)	N/A Length ove	rall (ft& in.)
	Appurtenance rial Number	National Board No. In Numerical Order	Part or Appurto Serial Num	ber B	National Joard No. merical Order
	: 54682 S/N 1	N/A	(26)		
· · · —	: 54682 S/N 2	N/A	(27)		
	: 54682 S/N 3 : 54682 S/N 4	N/A N/A	(29)		
	: 54682 S/N 5	N/A	(30)		
	: 54682 S/N 6	N/A	(31)		
	: 54682 S/N 8	N/A	(32)		
(8) HT	: 54682 S/N 9	N/A	(33)		
(9)			(34)		
(10)			(35)	<u> </u>	
(11)			(36)		
(12)			(38)		
(13) (14)			(39)		
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(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
		_/	(47)		
(22)			(48)		
(22)					
(22)			(50)		

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

	Certificate Ho	olders' Serial Nos.	HT: 5468:	2 S/N 1 through	h S/N 6, 8 & 9
	CERTIFIC	CATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
		TE OF COMPLIANC	E	•	
We certify that the statements made in this re conforms to the rules of construction of the A	•	· · · · · · · · · · · · · · · · · · ·		Pilot Poppe	t
NPT Certificate of Authorization No.	N2607	Expires _		6-13-04	
Date	Atwood & Morr (NPT Certificate		Signed /	Sortian United	representative)
	CERTIFICA	ATE OF INSPECTION	N .		:
I, the undersigned, holding a valid commission New York And er	on issued by the Nationa mployed by	Board of Boiler and	•	sel inspectors and to	he State or Province of
· · · · · · · · · · · · · · · · · · ·	ve inspected these items ate Holder has fabricated orized for stamping on the or nor his employer make inspector nor his employ	I these parts or appure date shown above as any warranty, express that the liable in a	ta Report on rtenances in ac ressed or impli	12/17/6/1 ccordance with the red, concerning the cany personal injury	equipment described
	· · · · - · · · · · · · · · · · · · · · · · · ·		······································		



FORM NR-1 REPORT OF REPAIR MODIFICATION OR REPLACEMENT TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

										NUCLI	EAR POWE			
l. W	ork perf	ormed by_	COILLI	nental	rield me of NR c	Sy 8 ertificate	holder)	,	Inc			3218 (P.O. po.	, job no., etc	<u> </u>
_	23	Westgat	e Blvd		nnah,			5				(210.710.		·/
2. O	wner	PPL L	LC											
	2. N	-in-a-la Nid	C			ime)	77.4	1	010	1				
		orth Ni	nen sei	ceet,		LOWI	1, PA	110	810	<u>.</u>				,
. N	ame, ado	dress and id	lentification	of nuclea	r power j	olant_	Susq			na Si nTwp.	eam Ele	ctric		
	/stem	1-83	HV14	1F028D			Mai	nSi	tear	n	IA			
. а	: Items \	Which Requ	ired Repair	r, Modifica	tion, or F	Replac	ement A	Activ	vities	5	See Atta	ched		
			Identi	fication							Constructio	n Code	Г	Activity
No	Type of Item	Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Othe	er Ye. Bu		Sec	me/ tion/ rision	Edition/ Addenda	Code Case(s)	Code Class	Repair, Mod/ Replace
1												-		
2														
3 4									<u> </u>	·		-		
5														
6 7							-				 			
3														
9 10							+							
11					_									
12						-				1				
. b:	Items I	nstalled Du	ring Replac	ement Act	ivities	S	ee A	tta	iche	ed				
Tire	20.06	Installed on		Identificat		<u> </u>	, . ,	La				Construction		
	em	Installed or. Replaced 5a Item No.	Name	Mfg Serial No.	Nat'l No		Jurisd No	Ot	her	Year Built	Name/ Section/ Division	Edition/ Addenda	•	
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														1
			+		 	+						-	-	
													<u> </u>	
			1										<u> </u>	
AS	ME Code	Section XI	applicable	for inservi	ce inspec	tion:		9 editio	n)		N/A (addenda	,	N/A (Code Ca	ses(s))
AS	ME Code	Section XI	used for re	pairs, mod	lification	s, or re	placen	nents	s:	1989 (edition) (add	<u>N/</u> A	(Code Ca	N/A uses(s))
Cor	nstruction	n Code used	for repair	s, modifica	itions, or	replac	ement	s:		971 edition)	(adde	<u> </u>	(Code Cr	/A
Des	ign respo	onsibilities:	_Atwoo	od & Mo	rrill	Co.					tacut	,	,code Cd	(a))
Te	sts condu	icted: hydro	ostatic 🔲	pneumati	de	sign p	ressure		pr	essure]	N/A_ psi	Code Case	(s)	

11. Description of work:	See Attached
	(use of properly identified additional sheet(s) or sketch(es) is acceptable)
	,
12. Remarks: See	Attached Manufacturer's Data Report
 	
····	
	•
· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE OF COMPLIANCE
I, David McCath:	ie certify that to the best of my knowledge and belief the statements made in this report are
correct and the repair, mod	dification or replacement activities described above conforms to Section XI of the ASME Code and
the National Board Inspect	tion Code "NR" rules.
	of Authorization No. NR-86 to use the "NR" stamp expires 5/25, 2003
	ontinental Field Systems, Inc
Date6/18 20029	
Date 111	(authorized representative) (title)
· W P P	CERTIFICATE OF INSPECTION
I, WILLIAM E. LOGE	ks mr, holding a valid commission issued by The National Board of Boiler and Pressure Vessel
	f competency issued by the jurisdiction of PENNSYLVANIA and employed by
	- INSURANCE COMPANY OF JOHNSTON RI have
inspected the repair, modif	ication or replacement described in this report on 4.1 2002 and state that to the
best of my knowledge and	belief, this repair, modification or replacement activity has been completed in accordance with
	de, and the National Board Inspection Code "NR" rules.
	neither the undersigned nor my employer makes any warranty, expressed or implied, concerning
the work described in this	report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for
any personal injury proper	ty damage or loss of any kind arising from or connected with this inspection.
Data TIME 24 2 002	
Date O DATE ST 2008	Signed William K. Kigus III Commissions NB7980A.N.I. B.N.S. PA 2204

:

1....

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems, Inc.

Job Number 3218

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028D

Items Which Required Repair, Modification, or Replacement Activities

Identification

- N-		lication							C	onstruction (Code	
No	Type of Item	Mfg. Name	Mfg. Serial	Nat'l Bd. No.	Jurisdiction No.	Other	Year Built	Name/ Section/ Division	Edition / Addenda	Code Case(s)	Code Class	Repair/ Replace
1	MSIV	A&M	8-221	N/A	N/A	N/A	1974	ASME III /NB	1971/571	1535-2	 	Repair
2												

Items Installed During Replacement Activities

	Identification	on							Construction	Code	
Item	Installed/ Replaced	MFG. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
Poppet	Replaced	A&M	6	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	
Bonnet	Replaced	A&M	2	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	Ī
Pilot Poppet	Replaced	A&M	2	N/A	N/A	N/A	2001	III NB	71 Ed. S71 A	N/A	I
Super Nuts	Replaced	A&M	NU-01017	N/A	N/A	N/A	2002	III NB	71 Ed. S71 A	N/A	I
			,			 					

Form NR-1 Attachment

Report of Repair / Replacement

Worked Performed by Continental Field Systems, Inc.

Job Number 3218

23 Westgate Blvd., Savannah, Georgia 31405

Owner: PPL LLC

2 North 9th St., Allentown, Pennsylvania

Location: PPL SSES

5 Mi. N. Berwick, Pennsylvania

System: Main Steam 183 Valve HV 141 F028D

6. ASME Code Section XI applicable for inservice inspection: 1989

N/A

N/A

(edition)

(addenda)

(Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements:1989

N/A

N/A

(edition

(addenda)

(Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1971

1971 (edition)

Summer 71 (addenda)

I Code Case

9. Design Responsibilities: Atwood & Morrill

10. Test Conducted

N/A

11. Description of Work: Perform in body machining to allow clearances for modified poppet, remove OEM parts, and replace with new components from OEM as part of valve enhancement.

12. Remarks: Lower guide rib was extended to compensate for the installation of the re-designed poppet.

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

	inufactured and certified by	Atwood & Morrill Co., In	s of NPT Certificate Holder)			
2. Ma	nufactured for Pennsylva	nia Power & Light Be	rwick, PA 18603 (name and address of Purcha:	ser)		
3. Lo	cation of installation Susc	quehanna II 2 North Nin	th Street Allentown, I	PA 18101-	1179	
4. Ty	pe: *32162-409-D R	ev. 1 SA 105 GR I	81,600 PSI	•	N/A	2001
ч. ту	(drawing no.)	(matil. spec. no.)	(tensile strength)		(CRN)	(year built)
5. AS	ME Code, Section III, Division	1: 1971	S71	1		N/A
	•	(edition)	(addenda date)	(class)		(Code Case no.)
б. Fa	bricated in accordance with Co	onst. Spec. (Div. 2 only)	N/A Revision	N/A	Date	N/A
7. Re	marks: Cust, Item 01 A	&M Item 11 Qty. 3 Cove	r A&M P/N 32162-40	9-2974-00	O_QLA	
(A&M S.O. 90168) *Dwg.	prepared by A&M. This	certification meets the	ne required	informatic	n of ASME
_;	Section III 1971 Edition s	ummer 1971 addenda				
0 N.	om. Thickness (in.) _5.312	Min design thickness (in.)	5.094 Dia. ID (ft & in.	N/A	Length over	all (ft& in.) N/A
9. W	hen applicable, Certificate Hold	iers' Data Reports are attache	d for each item of this repo	rt:	·	·
Γ			Part or Appurt	enance	N	ational
	Part or Appurtenance Serial Number	National Board No.	Serial Num		Вс	ard No.
ļ	Selial Number	In Numerical Order			In Num	erical Order
				•		Ì
	(1) HT: H3391 S/N 1	N/A	(25)			
<u> </u>	(2) HT: H3391 S/N 2	N/A	(27)		 	
	(3) HT: H3391 S/N 3	N/A	(28)		 	
- 1	(4)		(29)			
- 1	(5)		(31)		 	
	(6)		(32)		 	
- 1	(7)	<u> </u>	(33)		 	
	(8)		(34)			
	(9)		(35)			
	(10)		(36)		<u> </u>	
- 1	(11) (12)		(37)			
	(13)		(38)			
1	(1.1)		(39)			
- 1	(15)		(40)			
	(16)		(41)			
- 1	(17)	· · · · · · · · · · · · · · · · · · ·	(42)			
1	(18)	•	(43)			
- 1	(19)		(44)			
- 1	(20)		(45)			
	(21)		(46)			
	(22)		(47)		ļ. <u>.</u>	
1	(23)		(48)		<u> </u>	
-	(24)				<u> </u>	
- 1	(25)		(50)		<u> </u>	

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

	Certificate	e Holders' Serial Nos.	HT: H3:	391 S/N 1 1	through S/N 3
	CERTIFICA	ATION OF DESIGN			
Design specifications certified by	N/A	P.E. State	N/A	Reg. no.	N/A
	(when applicable)				
Design report * certified by	N/A	P.E. State	N/A	Reg. no.	N/A
	(when applicable)				
	CERTIFICAT	TE OF COMPLIANCE			
and the state of t	seport are correct and that	this (these)		Cove	r
We certify that the statements made in thi conforms to the rules of construction of th	e ASME Code, Section III, D	ivision 1.			
NPT Certificate of Authorization No.	N2607	Expires		6-13	-04
Date /2/14/0/ Name	Atwood & Morri (NPT Certificate	11 00., 1110.	signed /	Source (autho	Sallina rized representative)
	•	TE OF INSPECTION			
I, the undersigned, holding a valid comm	ission issued by the National	Board of Boiler and P	ressure Ves	sel Inspectors a	nd the State or Province of
New York An	d employed by			& I. Co.	
/ Hardford CT	have inspected these items	described in this Data	Report on	12/14/01	, and state that to the
Best of my knowledge and belief, the Cer Division 1. Each part listed has been a signing this certificate, neither the insp this Data Report. Furthermore, neither loss of any kind arising from or connected	authorized for stamping on tr ector nor his employer make the inspector nor his employ	ie dale silowii anove.	esed or impl	led concerning	the equipment described
Date 12/14/61 Signed	(authorized inspec		ommissions	Nati Bd. (incl. En	dorsements) and state or prov. and no.]

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

anı ifai	ctured for Pennsylva	inia Power & Light Be	rwick, PA 18603		
anuia	cidied for Petitisylve	illia i owel a Light Di	(name and address of Purch	aser)	
ocation	n of installation Susc	uehanna II 2 North Nir	th Street Allentown,	PA 18101-1179	
		(nar	Ne sua saaress)		
ype:	*32462-613-C R	ev.0 SA 479-304		N/A (CRN)	2001 (year bu
•	(drawing no.)	(matl. spec. no.)	(tensile strength)	(Caraly	N/A
SME (Code, Section III, Division	1: 1971	S71	[ciass]	(Code Case no.)
	_	(edition)			N/A
abrica	ited in accordance with Co	onst. Spec. (Div. 2 only)	N/A Revision _	N/A Date	1474
	ke: Cust Item 01 A	&M Item 11 Qty. 8 Pilot	Poppet A&M P/N 32	462-613-4226-121	QLA
emark	M S O 90168) *Dwg	prepared by A&M. Thi	s certification meets	the required inform	ation of ASME
Sect	tion III 1971 Edition S	Summer 1971 addenda			
Geci	HOTTIN TOTAL COLUMN		1.36 Dia. ID (ft & i	n.) N/A Length	overall (ft& in.) N
lom. T	hickness (in.) 1.50	Min. design thickness (in.)	1.36 Dia. ID (ft & II	1.7 14/7 . 25/19/11	
	n in a are-an-Uak	ders' Data Reports are attach	ed for each item of this rep	oort:	
Vhen a	applicable, Certificate Holi	ders Data Reports are attach.			
			7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4	National
P	art or Appurtenance	National	Part or Appu Serial Nu		Board No.
	Serial Number	Board No. In Numerical Order		ln.	Numerical Order
	•	Mi Monione C. C.			
(1)	HT: 54682 S/N 1	N/A	(26)		
≥ (2)	HT: 54682 S/N 2	N/A	(27)	•	
(3)	HT: 54682 S/N 3	N/A	-(28)		
(4)	HT: 54682 S/N 4	N/A	(29)		
(5)	HT: 54682 S/N 5	N/A	(30)		
(6)	HT: 54682 S/N 6	N/A	(31)		
(7)	HT: 54682 S/N 8	N/A	(32)		
(8)	HT: 54682 S/N 9	N/A	(33)		
(9)			(34)		
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(18) (19) (20) (21)		/	(48)		

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

	Certificate Hol	lders' Serial Nos.	HT: 54682	2 S/N 1 through	S/N 6, 8 & 9
	CERTIFIC	ATION OF DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no.	N/A
Design report * certified by (w	N/A when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFICA	TE OF COMPLIANC	E		
We certify that the statements made in this rep	ort are correct and that	this (these)		Pilot Poppe	t
conforms to the rules of construction of the AS	ME Code, Section III, D	Division 1.			
NPT Certificate of Authorization No.	N2607	Expires		6-13-0	4
Date	Atwood & Morr (NPT Certificate	ill Co., Inc.	Signed /	Brian M. (authorized	Sulframia (representative)
	• ,	ATE OF INSPECTIO			
I, the undersigned, holding a valid commissio	n issued by the Nationa	I Board of Boiler and	Pressure Ves	isel inspectors and	the State or Province of
New York And en	nployed by			l & I. Co.	
st of my knowledge and belief, the Certifica Division 1. Each part listed has been authors by signing this certificate, neither the inspecto in this Data Report. Furthermore, neither the loss of any kind arising from or connected with Date	orized for stamping on to r nor his employer make inspector nor his employ	I these parts or appured the date shown above as any warranty, experience in the liable in	irtenances in a e. iressed or impl	lied, concerning the or any personal injur	equipment described

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

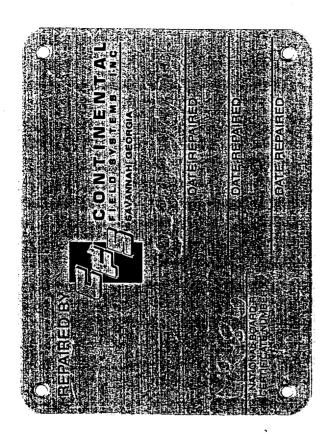
Pg. 1 of 2

anufactured for Pennsylvani	ia Power & Light Be	rwick, PA 18603	irchaser)		
ocation of installation Susqu	ehanna II 2 North Nir	•	•	-1179	
ype: *** *32467-622-D Rev	•	• •	sı ·	N/A	. 200
(drawing no.)	(mařl. spec. no.)	(tensile streng		(CRN)	(year bi
SME Code, Section III, Division 1:	1971 (edition)	S71 (addenda data)	(class)		N/A (Code Case no.)
abricated in accordance with Cons		N/A Revision	•	Date	N/A
emarks: Cust Item 01 A&		(na.)			
(A&M S.O. 90168) *Dwg. p	M Item 11 Qty.1 Popp prenared by A&M. Thi	s certification mee	ts the require	ed information	on of ASME
Section III 1971 Edition sur					<u></u>
		5.40 Din ID (6.1	· 1- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	l andh aus	-# /80 i= \ \
om. Thickness (in.) 7.500 M	fin, design thickness (in.)	5,49 Dia. ID (ft a	& in.) <u>N/A</u>	Length over	rall (R& in.) 16
/hen applicable, Certificate Holder	s' Data Reports are attache	ed for each item of this	report:		•
	· · · · · · · · · · · · · · · · · · ·	<u> </u>		 	
Part or Appurtenance	National	Part or Ap	purtenance .	· •	vational ,
Serial Number	Board No.		Number	_	oard No.
	In Numerical Order			In Nun	nerical Order
(1) UT. 245054 C/N/C	5115	(26)			
(1) HT: 245951 S/N 6 (2)	N/A	(27)		- 	•
.(3)		(28)		-	· · · · - ·
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(15) (16) (17) (18) (19) (20) (21) (22)		. (43) (44) (45)			·
(15) (16) (17) (18) (19) (20) (21) (22)		(43) (44) (45) (46)			
(15) (16) (17) (18) (19) (20) (21)		(43) (44) (45) (46) (47)			· /·

mental infermation in the form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 2 and 3 on this Data Report is I on each sheet is numbered and the number of sheets is recorded at the top of this form.

Reprint (7/ 91)

· · · · · · · · · · · · · · · · · · ·	·····	Certificate Fronte	-	П1. 2438	51 5/11 0#00	IN/A		
		CERTIFICA	ATION OF DESI	3N		•		
Design specifications certified by	N/A		P.E. State	N/A	Reg. no.	N/A		
		(when applicable)			-			
Design report * certified by	N/A		P.E. State	N/A	Reg. no.	N/A		
· · · · · · · · · · · · · · · · · · ·	(who	n applicable)			- ., -	 		
	·	•	:			•		
		CERTIFICAT	E OF COMPLIA	NCE	•			
We certify that the statements mad	e in this repor	t are correct and that t	this (these)		Poppet	•		
conforms to the rules of construction	n of the ASM	E Code, Section III, Di	vision 1.			•		
•		•						
NPT Certificate of Authorization No	NPT Certificate of Authorization No. N2607			Expires6-13-04				
Date /2/19/0/	Date 12/19/01 Name Atwood & Morrill Co., Inc. Signed Borton & Sullinia							
	(NPT Certificate Holder)			(authorized represe				
	•					·		
		CERTIFICAT	TE OF INSPECT	ION				
I No conformant balding a culti-			0	- 4 D \	· /1			
I, the undersigned, holding a valid-	commission i	ssued by the National	Roard of Roher a	ng Pressure V	essei inspectors and	the State of Province of		
New York								
of Hantford, CT		nspected these items	•	•		, and state that to the		
Best of my knowledge and belief, the III, Division 1. Each part listed has					accordance with th	e ASME Code, Section		
By signing this certificate, neither th	e inspector n	or his employer makes	s any warranty, e	xpressed or in				
in this Data Report. Furthermore, no loss of any kind arising from or cons			er shall be liable i	in any manner	for any personal inju	ry or property damage or		
/ /	//	1_1.		•		•		
Date 12/19/6/ Signed	1	184		Commission	7-7-7-7			
		(authorized inspect	.		(Nati 8d. (Incl. Endor	sements) and state or prov. and n		



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APPENDIX D.3 SNUBBER REPLACEMENT NIS-2 FORMS

ISI SNUBBER REPLACEMENT AND REPAIR NIS-2 SUMMARY

1.0 INTRODUCTION

This summary identifies the work performed on ASME Section XI Snubbers (Classes 1, 2 or 3 Safety Related Snubbers, parts for replacements and repairs for which ISI has NIS-2 responsibility). This work was performed during the Unit 1 - 12th Refueling and Inspection Outage.

2.0 CODE COMPLIANCE SUMMARY

All work on ASME Section XI items meet the requirements of IWA-7000 (Replacement) and IWA-4000 (Repair) of ASME Section XI 1989 Edition, no Addenda.

3.0 REPLACEMENT AND REPAIR SUMMARY

Work in this area consists of Work Orders for Section XI replacements of snubbers, parts and ASME Section XI Repair.

- 3.A Summary of replacements for snubbers, by system, Work Order Number and Support Number (see Attachment 3.A).
- 3.B Summary of replacement of snubber parts by system, Work Order Number, Support Number, and Replaced Parts (See Attachment 3.B).
- 3.C Summary of repair tack weld shim by System, Work Order Number, Support Number by System, and Repair (see Attachment 3.C).

SNUBBERS REPLACED

N-5 SUS.	WORK ORDER	SUPPORT IDENTIFICATION			
183A-II	311260	DBB101H5B			
183E-III	299126	SPHCC131H2019			
183E-III	299126	SPHCC138H2009			

REPLACEMENT OF SNUBBER PARTS

N-5 SUS.	WORK ORDER	SUPPORT IDENTIFICATION	REPLACED PARTS
161B-I	311258	DBA101H8	1 Load Stud, 2 Heavy Hex Nuts

REPAIR OF SUPPORT PART

N-5 SUS.	WORK ORDER	SUPPORT IDENTIFICATION	REPAIR PART
149A-II	390868	GBB104H8	Large Bore Pipe Support (SHIM)

149A-II

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

1. Owner _		PPL Susquel	Date		5/03/02				
T	Two North Ninth St., Allentown, PA 18101				Sheet	1 of	1		
2. Plant	Sus	squehanna Stear	Unit		One				
	769 Sa	lem Blvd, Berwic			390868	Maint PCWO Code Form No. 390868 I 02 149 004 Repair Organization P.O. No., Job No., etc.			
3. Work Perform	med by _	PPL Sus	squehanna, LL	<u>c</u>	Type Code Sy	, ,			
T	wo North	h Ninth St., Allen	town, PA 1810	1	Authorization l	No	N/A		
4. Identification	o of System		149A, Class I	I RHR Syste	Expiration Dat		N/A		
5. (a) Applicat	ole Constr		III 19	71 Edition	thru W72			Code Case	
6. Identification	n of Comp	onents Repaired or R	Replaced and Repl	acement Compo	nents				
Name o Compon	-	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Large Pipe S (SHIM		Bechtel	N/A	N/A	GBB104H8	1982	Repaired	No	
	•								
7. Description	of Work			Repaired by t	ack welding of	f SHIM			
8. Tests Condu		Hydrostatic Pres	Pneumatic [Operating Pressur	re*F	None	x	
NOTE: \$	Supplemer	ntal sheets in form o	f lists, sketches, o	or drawings may each sheet, and	be used, provide (3) each sheet is	ed (1) size is	8½ in. x 11 in., and the number	(2) informa- of sheets is	

This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N. Y. 10017

recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks N/A	
Applicable Manufacture	er's Data Reports to be attached
	7.1.1.
CERTIFICATION	OF COMPLIANCE
We certify that the statements made in the report are correct	t and this Repair conforms to the rules of the
ASME Code, Section XI.	repair or replacement
Time Code Orackel Otense	
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
(Date TV/A
Signed Colored	Date $\mathcal{L}/a/a$. 20 02
Owner or Owner's Designee, Title Supv Site Modifications Gro	oup
CERTIFICATION OF IN	ISERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the Nation	nal Board of Boiler and Pressure Vessel Inspectors and the State
	FACTORY MUTUAL INSURANCE CO. of
JOHNSTON, RHODE ISLAND	have inspected the components described
in this Owner's Report during the period 03/01/02 to the best of my knowledge and belief, the Owner has performed 6	to 04/01/02 , and state that 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 R shall be liable in any manner for any personal injury or property dar	
inspection.	nego er e rose er en j kare er en grant er eer mostoe war and
William Programme	· AIDTOOLI DA COOA
Inspector's Signature Commi	ssions NB7980 I PA 2204 National Board, State, Province, and Endorsements
inspector a pognature	realional board, state, Flovilloe, and Endoisements
Date May 10 2002	

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

1. Owner		PPL Susque	ehanna, LLC	Date5/03/02						
	Two Nort	th Ninth St., Aller		01	Sheet	1 of	1			
2. Plant	Su	squehanna Stea		ion	Unit		ONE			
	769 Sa	alem Blvd, Berwi	ck, PA 18603		MAIN/PCWO Code Form No. 311258 I 02 161 005 Repair Organization P.O. No., Job No., etc.					
3. Work Perf	formed by	PPL Su	squehanna, LL	.c		Type Code Symbol Stamp None				
	Two Nort	h Ninth St., Allen	town, PA 1810)1	Authorization No. N/A					
					Expiration Date		N/A			
4. Identificat	tion of Syster	m	1	61B, Class I,	Reactor Water	Clean-Up	1			
		uction Code of Section XI Utilize				Addenda,	N/A	Code Case		
6. Identificat	ion of Comp	onents Repaired or F	Replaced and Repl	lacement Compo	nents					
Nam Comp		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
1 Load	Stud	GRINNEL	Item #13*(1)	N/A	DBA101H8	*(1)	Replaced	NO		
1 Load	Stud	GRINNEL	Item #13*(1)	N/A	DBA101H8	*(1)	Replacement	NO		
2 Heavy F	Hex Nuts	GRINNEL	Item #14*(1)	N/A	DBA101H8	*(1)	Replaced	NO		
2 Heavy F	lex Nuts	GRINNEL	Item #14*(1)	N/A	DBA101H8	*(1)	Replacement	NO		
*NOTE(1): S	erial/Heat Nu	ımber and Year Built	Not Available.							
			5							
7. Description	n of Work		Replaced ex	xisting parts w	ith sufficient re	placemer	it parts.			
8. Tests Con-		lydrostatic Dther Press	Pneumatic cure	_	perating Pressure t Temp.		None	×		
NOTE:	Supplement	tal sheets in form of	lists, sketches, or	r drawings may l	oe used, provided	(1) size is 8	3½ in. x 11 in., (2) informa-		



recorded at the top of this form.

tion 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

FORM NIS-2 (Back)

marks N/A	Applicable Manu	facturer's Data Reports to be attach	ed	
	CERTIFICATI	ON OF COMPLIANC	`E	
			_	
We certify that the statements mad ME Code, Section XI.	le in the report are co	orrect and this Replace repair or re		ns to the rules of the
WE 3046, 305451171				
ype Code Symbol Stamp		N/A		
ype Gode Symbol Gailing		10/5		-
Certificate of Authorization No.	N/A	Expiration		N/A
who do a	1	Date	2 2	
Owner or Owner's Designee, Title	Supv Site Modification	Date Date	lang 1	, 20
	·	· · · · · · · · · · · · · · · · · · ·		
				<u> </u>
CE	RTIFICATION O	F INSERVICE INSPE	CTION	
ne undersigned, holding a valid commi	ssion issued by the N	lational Board of Boiler and	d Pressure Vessel	Inspectors and the State
Province of PENNSYLVANIA	and employed by			O. of of opponents described
JOHNSTON, RHODE ISLAND nis Owner's Report during the period	03/01/02	to 04/01		, and state that
ne best of my knowledge and belief, the	ne Owner has perform	ned examinations and take	n corrective meas	ures described in this
ner's Report in accordance with the re				
By signing this certificate neither the li minations and corrective measures de				
II be liable in any manner for any pers				
ection.	onar injury or property	, camago or a loce or any	g unomig morni o	
111: 00				
Illiam C. Kogerst	<u> </u>	mmissions <u>NB7980 I P</u>		
Inspector's Signature		Mational Bo	ard, State, Provinc	e, and Endorsements
e MAY 102002				

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

1. Owner		PPL Susque			Date		5/03/02	
	Two Nort	h Ninth St., Allen	-)1	Sheet	1 of	1	
2. Plant	Su	squehanna Stear		ion	Unit		ONE	
,	769 Sa	lem Blvd, Berwic	ck, PA 18603		Main/PCWO 311260	10	ode Form No. 02 183 001 1 P.O. No., Job No., etc.	
3. Work Per	formed by	PPL Sus	quehanna, LL _{Name}	С	Type Code Syr		None	
	Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization N	No	N/A	·-··
					Expiration Date		N/A	
4. Identifica	tion of Syster	n		183A, Cla	ss II, MAIN ST	EAM		
. ,	cable Construction	uction Code of Section XI Utilized	III 19		thru W'72	Addenda,	N/A C	ode Case
6. Identifica	tion of Comp	onents Repaired or R	eplaced and Repl	acement Compo	nents			
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	cal Shock estor	Pacific Scientific	00373	N/A	DBB101H5B	None	Replaced	No
	cal Shock estor	Pacific Scientific	14413	N/A	DBB101H5B	1983	Replacement	No
7. Description	on of Work	Repla	aced existing s	nubber with s	same size, test	ed replace	ement snubber.	
8. Tests Cor		lydrostatic Dther Press	Pneumatic [_	Operating Pressure	*	None X	
NOTE: tion in	Supplemen items 1 throu	tal sheets in form of ugh 6 on this report	lists, sketches, o is included on ea	r drawings may ach sheet, and (be used, provided (3) each sheet is	(1) size is t	3½ in. x 11 in., (2) nd the number of) informa- sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks N/A	
Applicable Manufacturer's Data Reports to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the	1е
ASME Code, Section XI.	
Type Code Symbol Stamp N/A	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration N/A	
Date	
Signed Date Date 1 20 02	
Owner or Owner's Designee, Title Supv Site Modifications Group	
CERTIFICATION OF INSERVICE INSPECTION	
OFICE INDERVIOR IN THE PROPERTY OF THE PROPERT	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the	state
or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO.	of
JOHNSTON, RHODE ISLAND in this Owner's Report during the period 03/01/02 to 04/01/02 and sta	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the	
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	3
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the	.r his
shall be liable in any manner for any personal injury of property damage of a loss of any kind ansing from or connected with a inspection.	113
114.	
Inspector Signature Commissions NB7980 I PA 2204 National Board, State, Province, and Endorseme	nte
Commissions NB7980 I PA 2204 Inspector Signature National Board, State, Province, and Endorseme	III
.Date MAY 16 2002	

1,1-1,50

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

1. Owner _		PPL Susque			Date	-	5/03/02	
T	wo North	h Ninth St., Allen	town, PA 1810)1	Sheet	1 of	X	2 6855/7
2. Plant	Sus	squehanna Stear	m Electric Stati	ion	Unit		ONE	
	760 Cal	Name Long Divid Domini	-		MAIN/PCWO		Code Form No.	
	709 Sai	lem Blvd, Berwie Address	CK, PA 18603		See Sheet 2		n P.O. No., Job No., etc.	
3. Work Perform	med by _	PPL Sus	squehanna, LL Name	C	Type Code Syn	nbol Stamp	None	<u> </u>
T	wo North	Ninth St., Allen	town, PA 1810	1	Authorization N	o	N/A	·
		7.00.000			Expiration Date		N/A	
4. Identification	n of System	n	183E,	Class III, Aut	o Pressure Blow	Down S	ystem	
5. (a) Applicat (b) Applicat		uction Code of Section XI Utilize	III 19 d for Repairs or Re			Addenda,	C	ode Case
6. Identification	of Compo	onents Repaired or R	Replaced and Repl	acement Compo	onents			
Name o Compon		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mechanical Arresto		Pacific Scientific	27972	N/A	SPHCC131H2019	1982	Replaced	NO
Mechanical Arresto		Pacific Scientific	16349	N/A	SPHCC131H2019	1980	Replacement	NO
Mechanical : Arresto		Pacific Scientific	22868	N/A	SPHCC138H2009	1981	Replaced	NO
Mechanical S Arresto		Pacific Scientific	13130	N/A	SPHCC138H2009	1980	Replacement	NO
		D .						
7. Description o	cted: H	Repla lydrostatic	Pneumatic	Nominal	same size, teste Operating Pressure est Temp.	d replace	ment snubbers None X	i <u>.</u>

Item

tem 2

FORM NIS-2 (Back)

Remarks	N/A				
		Applicable Manufa	cturer's Data Reports to be att	ached	
		CERTIFICATION	ON OF COMPLIA	NCE	
Wed	certify that the statements mad	e in the report are co	rrect and this Rep	lacement conform	ms to the rules of the
	de, Section XI.		repair	or replacement	
Type Co	ode Symbol Stamp		N/A		
Cortificat	te of Authorization No.	N/A	Expiration		N/A
Cermical	Le of Authorization No.	IN/A	Date		14/74
Signed	Shull		Date	Man 9	, 20 02
(U	Owner or Owner's Designee, Title	Supv Site Modification	ns Group		
)/		 		
	CE	RTIFICATION O	F INSERVICE INS	PECTION	
	rsigned, holding a valid comm	ission issued by the N	ational Board of Boiler	and Prossure Vessel	Inspectors and the State
	e of <u>PENNSYLVANIA</u>	and employed by	FACTORY MU	<u>TUAL INSURANCE (</u>	CO of
	STON, RHODE ISLAND ner's Report during the period	03/01/02		ave inspected the cor	mponents described , and state that
o the best	of my knowledge and belief, to	he Owner has perform	ned examinations and t	aken corrective meas	sures described in this
Owner's Re	eport in accordance with the re	equirements of the AS	ME Code, Section XI.		
By sign	ing this certificate neither the I ons and corrective measures d	nspector nor his empli ascribed in this Owner	oyer makes any warrar r's Report - Furthermo	ity, expressed or impl re-neither the inspec	tor nor his employer
shall be lia	ble in any manner for any pers	sonal injury or property	damage or a loss of a	any kind arising from	or connected with this
nspection.				•	
11/1	1: 00	7- 0-	inciona ND7090	L DA 2204	
Our	Inspector's Signature		National	Board, State, Province	ce, and Endorsements
	Inspector's Signature			, , ,	
Date /YIA	2002				

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

				70000011741	
1. Owner	PPL Susque	ehanna, LLC	Date		5/03/02
	Two North Ninth St., Aller		Sheet	of	2
2. Plant	Susquehanna Stea		Unit		ONE
	769 Salem Blvd. Berwi	ck, PA 18603	Maint/PCW	SEE BELOW	/CodeFormNo.
3. Work Per	formed by PPL Su	squehanna, LLC	Type Code S		None None
	Two North Ninth St., Aller	town, PA 18101	Authorization	No	N/A
			Expiration Da	te	N/A
4. Identifica	tion of System	183E, Class III, Auto	Pressure Blo	w Down S	ystem
(b) Appli		III 19 71 Edition, d for Repairs or Replacements 19 Replaced and Replacement Compor	89	_ Addenda, 	NA Code Case
	ITEM(S)	WORK ORDER NO).	CODE	REPAIR FORM NO.
	1	299126			1 02 183 002
	2	299126			1 02 183 003
					
				-	
					
		i	· ·		

APPENDIX E

EROSION/CORROSION SCOPE OF EXAMINATIONS

COMPONENT ID	DESCRIPTION	X NUMBER	%Ero
DBB1222-E1	4" TEE	(X502)	0%
DBC1011-E1	TEE 6"x 4"	(X695)	21.9% BZ2
DBD1012-E4A/B	30x24" TEE	(X51)	25.5% BZ3
DBD1043-E1	10x10 TEE	(X153)	2.3% Z3
DBD1051-E7A/B	TEE16x4"	(X68)	60.7% Z1
DBD1051-E8	ELB/16"	(X54)	70.5% Z3
DLA1021-E3A/B	TEE/20X12	(X-175)	27.9% BZ4
EBC1041-E2	ORIFICE/4"	(X499)	8.0% Z1
EBD1143-E2A/B	TEE/4x1"	(X683)	7.4% AZ1
GBD1013-E2	RED/10"x8"	(X790)	0%
GBD1021-E2	ELB/4	(X-155)	63.3% Z1
GBD1022-E1	ELB/4"	(X191)	56.96% Z1
GBD1031-E1A/B	RED/8x6	(X791)	0%
GBD1033-E1A/B	RED/8x6	(X795)	37.4% AZ1
GBD1042-E1	ELB/3"	(X158)	31.0% Z3
GBD1074-E2	ELB/16"	(X57)	18.7% Z3
GBD1193-E1	ELB/20"	(X148)	.7% Z3
GBD1213-E2	ELB/20"	(X49)	13.2% Z1
GBD1214-E2	ELB/20"	(X60)	2.6% Z3
GBD1261-E1	VALVE/8"	(X218)	52.3% Z1
GBD1361-E1A/B	RED/14x12"	(X797)	28% AZ3
GBD1401-E1	ELB/3"	(X295)	34% Z3
GBD1401-E2	ELB/3"	(X32)	1% Z 3
HBD1141-E1	ELB/3"	(X304)	50.0% Z1
HBD1141-E2	ELB/3	(X-34)	48.6% Z3
HBD1212-E4A/B	TEE/48x30"	(X56)	22.4% BZ2A
HBD1681-E3	ELB/4	(X816)	30.0% Z3
SPEAD1148-E1	TEE/4x1"	(X190)	4.08% Z1
SPEBD1141-E1	ELB/1"	(X-134)	25.8% Z3
SPGBD13311-E1	ELB/1"	(X208)	32.1% Z 3
SPGBD13320-E1	ELB/1"	(X211)	15.7% Z3
SPGBD13322-E1	ELB/.75"	(X213)	2.7% Z3
SPGBD1337-E1	ELB/1"	(X207)	36.9% Z3
SPHBD1092-E1	ELB/2"	(X205)	46.6% Z3
SPHBD1096-E2	VALVE/2"	(X201)	56.4% Z3
SPHBD10742-E1	ELB/2"	(X38)	20.5% Z3
1SCVL-E12	ELB/1.5	(X-173)	25.5% Z1
1SSH7-E3	ELB/5"	(X189)	1.2% Z3
1SSH8-E25A/B	RED/8x5	(X188)	8.1% BZ3

Unit One - 12th - List c Blon/Corrosion Exams

2SCVL-E24	ELB/1.5	(X370)	31.3% Z1
1E101A-E1Shell	FWHTR	(X888)	33.1% Z3
1E101A-E1Nozzle	24" Pipe	(X888)	45.5% AZ1
1E102A-E1Shell	FWHTR	(X891)	30.4% Z2
1E102A-E1Nozzle	24" Pipe	(X891)	0%

APPENDIX F CONTAINMENT INSPECTIONS

em	Description	Exam Type	Exam Elev	Azı	Dwg. CISI-	Otv.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedur
xan	nination Category: E-A, C	ontainmer				8 88444 44	Shahadak		**********		E STOREGIE
1 10	Containment Vessel Pre	O-1-									
	, Containment vesser Fre	ssuie Kets	numg E	oundary	1						
1,11	l Accessible Surface Area	as					-				
	Drawell Head										
	Drywell Head					-	-				
						-					NDE-VT
	Head and Flange	G۷	794'		2A	1	1	1	001	345549	003 Rev 1
	Manhole Hatch	GV			2A	1	1	1	004	245540	NDE-VT
						-	'	- !	001	345549	003 Rev 1
	Personnel Access Ai	rlock (X-	2)								
	External Door	GV	724'	134°	3A, C, D, L	1	1	1	002	245505	NDE-VT
				104	<i>D</i> , L	<u> </u>	'	I	002	345565	003 Rev 1
					3A, C,						NDE-VT
	Internal door	GV	724'	134°	D, L	1_	1	1	002	345565	003 Rev 1
+											NDE-VT
	External Bulkhead	GV			3C, H	1	1	1	002	345565	003 Rev 1
	Internal Bulkhead	GV			3C 1	4			000	0.45=0=	NDE-VT
					3C, L	1	1	1	002	345565	003 Rev 1

					,						
ltem	Description	Exam Type	Exam Elev	Az.	Dwg.	Otv.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	Wo#	Insp Procedure
	Barrel Section	GV			3G	1	1	1	002	345565	NDE-VT 003 Rev 1
	Equipment Hatch (X-1)										
	Head and Flange	GV	724'	315°	4A. 4B	1	1	1	003	345565	NDE-VT 003 Rev 1
	Barrel Section	GV	724'	315°	4A. 4B	1	1	1	003	345565	NDE-VT 003 Rev 1
	Containment Vessel Press Accessible Surface Areas	ure Ref	aining E	3oundar	Y						
	Drywell - Exterior										
	Drywell Exterior	GV	704' - 719'	0° to	30						
	X-34B	GV	704'	19°	30	1	1	1	004	345565	NDE-VT 003 Rev 1
	X-35A	GV	717'	50°	30	1	1	1	004	345565	NDE-VT 003 Rev 1 NDE-VT
	X-35B	GV	717'	48°	30	1	1	1	004	345565	003 Rev 1
	X-35C	GV	717'	46°	30	1	1	1	004	345565	003 Rev 1

										·	
ltem	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
	X-35D	GV	747	4.49	20						NDE-VT
	X-33D	GV	717'	44°	30	1	1	1	004	345565	003 Rev 1
	X-35E	GV	717'	41°	30	1	1_	1	004	345565	NDE-VT 003 Rev 1
	X-35F	GV	7471	200	0.0						NDE-VT
	X-33F	GV	717'	39°	30	1	1_	1	004	345565	003 Rev 1
	X-49B	GV	705'	44°	30	1	4	1	004	245505	NDE-VT
-	7.438	- GV	703		30	 	1	1	004	345565	003 Rev 1 NDE-VT
	X-83B	GV	705'	15°	30	1	1	1	004	345565	003 Rev 1
						 '		<u> </u>	004	343303	NDE-VT
	X-93	GV	717'	37°	30	1	1	1	004	345565	003 Rev 1
		 				†		<u> </u>		010000	NDE-VT
	X-100H	GV	711'	53°	30	1	1	1	004	345565	003 Rev 1
										0.0000	NDE-VT
	X-104H	GV	711'	22°	30	1	1	1	004	345565	003 Rev 1
		1									NDE-VT
	X-104F	GV	711'	36°	30	1	1	1	004	345565	003 Rev 1
			704' -	90° to							
	Drywell Exterior	GV	719'	180°	31						
											NDE-VT
ļ	X-11	GV	708'	147°	31	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-12	GV	710'	176°	31	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-13B	GV	710'	161°	31	1	1	1	004	345565	003 Rev 1
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0).(700:	40.40	0.4						NDE-VT
ļ	X-15	GV	709'	124°	31	1	1	1	004	345565	003 Rev 1
	V 00D	CV	7441	4440	24				004	0.45505	NDE-VT
	X-90D	GV	711'	141°	31	1	1	1	004	345565	003 Rev 1

m	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedur
						-	 				NDE-VT
	X-18	GV	709'	127°	31	1	1	1	004	345565	003 Rev 1
						†					NDE-VT
	X-19	GV	709'	120°	31	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-30B	GV	705'	132°	31	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-33B	GV	705'	125°	31	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-34A	GV	705'	154°	31	1	1	1	004	345565	003 Rev 1
				_							NDE-VT
	X-48A	GV	705'	157°	31	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-50B	GV	705'	142°	31	1	1	1	004	345565	003 Rev 1
	V 545	0.7	7051	4450	24	1	4		004	245505	NDE-VT 003 Rev 1
	X-51B	GV	705'	145°	31	1	1	1	004	345565	NDE-VT
	X-52B	GV	705'	137°	31	1	1	1	004	345565	003 Rev 1
	X-52B	GV	703	137	31	 -	<u> </u>	'	004	343303	NDE-VT
	X-83A	GV	705'	150°	31	1	1	1	004	345565	003 Rev 1
	X-03A		100	100		+	+ -	 		0.0000	NDE-VT
	X-90E	GV	711'	137°	31	1	1	1	004	345565	003 Rev 1
	7 002			1		 	1	 			NDE-VT
	X-90F	GV	711'	133°	31	1	1	1	004	345565	003 Rev 1
-			704' -	180° to			-	 			
	Drywell Exterior	GV	719'	270°	32						
		1	1		1		1				NDE-VT
	X-6 (CRD Hatch)	GV	718'	216°	32	1	1	1	004	345565	003 Rev

Item	Description	Exam Type	Exam Elev	Az.	Dwg. CISH	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
	X-10	GV	714'	209°	00						NDE-VT
		- GV	714	209	32	1	1	1	004	345565	003 Rev 1
	X-13A	GV	710'	199°	32	1	1	1	004	345565	NDE-VT
						<u> </u>	<u>'</u>		004	340000	003 Rev 1 NDE-VT
ļ	X-17	GV	710'	247°	32	1	1	1	004	345565	003 Rev 1
	X-23										NDE-VT
<u> </u>	A-23	GV	709'	186°	32	1	1	1	004	345565	003 Rev 1
	X-24	GV	709'	183°	32			_			NDE-VT
			103	103		1	1	1	004	345565	003 Rev 1
	X-25	GV	710'	236°	32	1	1	1	004	345565	NDE-VT 003 Rev 1
						<u> </u>		<u>'</u>	004	343303	NDE-VT
	X-50A	GV	705'	215°	32	1	_ 1	1	004	345565	003 Rev 1
	 X-72A	GV	7041	0000							NDE-VT
-	N-12A	GV	704'	229°	32	1	1	1	004	345565	003 Rev 1
	X-72B	GV	704'	231°	32	1	1	1	004	0.45505	NDE-VT
				201		' '		1	004	345565	003 Rev 1
-											
			704' -	270° to	,.				·		
<u> </u>	Drywell Exterior	GV	719'	360°	33						
	V 20A										NDE-VT
	X-30A	GV	710'	322°	33	1	1	1	004	345565	003 Rev 1
	X-33A	GV	708'	327°	22		.				NDE-VT
		+ ••	100	321	33	1	1	1	004	345565	003 Rev 1
	X-49A	GV	704'	327°	33	1	1	1	004	0.45505	NDE-VT
		1		52.		-	1		004	345565	003 Rev 1
	X-51A	GV	704'	324°	33	1	1	1	004	345565	NDE-VT 003 Rev 1

ltem	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	0.0	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp
1725(31		888.87 ALS		A-4	CIGI	XX.(3)/22	OGH		BBUZAAA	_	Procedure NDE-VT
ŀ	X-52A	GV	708'	323°	33	1	1	1	004	345565	003 Rev 1
						1					NDE-VT
	X-90A	GV	711'	328°	33	1	1	1	004	345565	003 Rev 1
	V 00B	0.7									NDE-VT
ļ	X-90B	GV	711'	332°	33	1	1	1	004	345565	003 Rev 1
	X-90C	GV	711'	336°	33	1	1	1	004	345565	NDE-VT 003 Rev 1
-	7.000		, , ,	330	33	 	'	1	004	343303	NDE-VT
	X-100G	GV	711'	313°	33	1	1	1	004	345565	003 Rev 1
											NDE-VT
	X-104E	GV	706'	348°	33	1	1	1	004	345565	003 Rev 1
	V 4040	0.4	7441	0500				,			NDE-VT
	X-104G	GV	711'	353°	33	1	1	1	004	345565	003 Rev 1
		<u> </u>	719' -	0° to		 					
	Drywell Exterior	GV	749'	90°	34						
	:		_								NDE-VT
	X-8	GV	731'	0°	34	1	1	1	005	345565	003 Rev 1
	V 04			1.50							NDE-VT
-	X-21	GV	731'	40°	34	1	1	1	005	345565	003 Rev 1
1	X-22	GV	734'	43°	34	1	1	1	005	245565	NDE-VT 003 Rev 1
	7.22	- 0	737	70	34	 '	 '	 	005	345565	NDE-VT
	X-27B	GV	726'	61°	34	1	1	1	005	345565	003 Rev 1
		1			<u> </u>	† ·	<u> </u>	 	550	3,3000	NDE-VT
	X-28B	GV	729'	61°	34	1	1	1	005	345565	003 Rev 1
						1	<u> </u>				NDE-VT
	X-29B	GV	732'	61°	34	1	1	1	005	345565	003 Rev 1

1											
Item	Description	Exam Type	Exam Elev	Az.	Dwg. CISI+	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
	V 27D	0.7									NDE-VT
	X-37D	GV	735'	78°	34	1_	1	1	005	345565	003 Rev 1
j	X-38D	0),	7051	700	•						NDE-VT
	X-36D	GV	735'	78°	34	1	1	11	005	345565	003 Rev 1
	X-40E	GV	7001	7770	0.4	١.					NDE-VT
	X-40L	GV	729'	77°	34	1	1	1	005	345565	003 Rev 1
i	X-40F	GV	729'	73°	24						NDE-VT
ļ——	7.401	GV	129	13	34	1	1	1	005	345565	003 Rev 1
	X-40G	GV	729'	69°	24						NDE-VT
	7. 400	Gv	129	09	34	1	1	1	005	345565	003 Rev 1
	X-40H	GV	729'	65°	24				005		NDE-VT
<u> </u>	7 4011	GV	129	00	34	1	1	1	005	345565	003 Rev 1
	X-44	GV	726'	12°	34				225		NDE-VT
	7. 17	GV	720	- 12	34	1	1	11	005	345565	003 Rev 1
	x-46	GV	727'	o°	34				005		NDE-VT
	A 10		121	<u> </u>	34	1	1	1	005	345565	003 Rev 1
	X-48B	GV	732'	65°	34	1		4	005		NDE-VT
			702	- 00	34		1	1	005	345565	003 Rev 1
	X-53	GV	736'	39°	34	1	1	4	005	0.45505	NDE-VT
<u> </u>			,,,,			<u>'</u>		1	005	345565	003 Rev 1
	X-54	GV	736'	51°	34	1	1	1	005	0.45505	NDE-VT
			700	-			'	- 1	005	345565	003 Rev 1
	X-58B	GV	735'	65°	34	1	1	1	005	245505	NDE-VT
					<u> </u>		_'	1	000	345565	003 Rev 1
	X-60B	GV	735'	61°	34	1	1	1	005	245505	NDE-VT
								1	000	345565	003 Rev 1
	X-61B	GV	726'	65°	34	1	1	1	005	245555	NDE-VT
						'_			005	345565	003 Rev 1
	X-62B	GV	726'	69°	34	1.	1	1	005	345565	NDE-VT 003 Rev 1

Item	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qtv.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
_	V C2D										NDE-VT
	X-63B	GV	726'	73°	34	1	1	11	005	345565	003 Rev 1
	X-64B	GV	726'	77°	34	1	1	1	005	345565	NDE-VT 003 Rev 1
						+ -	<u>'</u>	<u>-</u>	003	343303	NDE-VT
	X-87	GV	734'	46°	34	1	1	1	005	345565	003 Rev 1
											NDE-VT
	X-91B	GV	732'	57°	34	1	1	1	005	345565	003 Rev 1
	V 00										NDE-VT
	X-92	GV	735'	57°	34	1	1	1	005	345565	003 Rev 1
	X-94	GV	734'	37°	34			,	207		NDE-VT
		GV	7.54	31	34	1	1	1	005	345565	003 Rev 1
	X-7A	GV	740'	0° +3	34	1	1	1	005	0.45505	NDE-VT
-						 '	'		005	345565	003 Rev 1
	X-7B	GV	740'	0° +11	34	1	1	1	005	345565	NDE-VT 003 Rev 1
			719' -	90° to							
	Drywell Exterior	GV	749'	180°	35						
	V 245									-	NDE-VT
	X-31B	GV	726'	162°	35	1	1	1	005	345565	003 Rev 1
	X-37B	0)/	7051	1000							NDE-VT
	X-37B	GV	735'	102°	35	1	1	1	005	345565	003 Rev 1
	X-38B	GV	735'	102°	25		,			_	NDE-VT
		Gv	133	102	35	1	1	1	005	345565	003 Rev 1
	X-80A	GV	726'	159°	35	1	1	4	005	0.4550=	NDE-VT
		-	720	100		1	1	1	005	345565	003 Rev 1
	X-80B	GV	726'	156°	35	1	1	1	005	245555	NDE-VT
	X-00D	GV	726	156	35	1	1	1	005	345565	003 Rev 1

tem	Description	Exam Type	Exam Elev	Az.	Dwg. Çısı-	0***	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
10.781.01		****** *******	******		O IO I	8 8×45/0	OGH	ELZ NIC	3304777		NDE-VT
	X-80C	GV	726'	153°	35	1	1	1	005	345565	003 Rev 1
						<u> </u>	<u> </u>	<u> </u>		0 10000	NDE-VT
	X-86A	GV	735'	115°	35	1	1	1	005	345565	003 Rev 1
											NDE-VT
	X-86B	GV	735'	112°	35	1	1	1	005	345565	003 Rev 1
											NDE-VT
_	X-88A	GV	721'	114°	35	1	1	1	005	345565	003 Rev 1
	V 044										NDE-VT
-	X-91A	GV	726'	165°	35	1	1	1	005	345565	003 Rev 1
			719' -	180° to							
	Drywell Exterior	GV	749'	270°	36						
											NDE-VT
	X-5	GV	724'	239°	36	1	1	1	005	345565	003 Rev 1
											NDE-VT
	X-27A	GV	732'	239°	36	1	1	1	005	345565	003 Rev 1
	V 24 A	014									NDE-VT
	X-31A	GV	732'	228°	36	1	1	1	005	345565	003 Rev 1
	X-37A	CV	7051	0500	00						NDE-VT
	N-31 M	GV	735'	258°	36	1	1	1	005	345565	003 Rev 1
	X-38A	GV	735'	2500	20				005	845555	NDE-VT
	Λ-50Α	- GV	133	258°	36	1	1	1	005	345565	003 Rev 1
	X-40A	GV	730'	243°	36	1	4		005	0.45505	NDE-VT
	7. 10/1		730	243	30	1	1	1	005	345565	003 Rev 1
	X-40B	GV	729'	248°	36	1	1	1	005	245505	NDE-VT
			123	240		+ -	 '-	 	005	345565	003 Rev 1
	X-40C	GV	735'	243°	36	1	1	1	005	345565	NDE-VT 003 Rev 1

G:\ISI\IWL\outage U1-12 sched.xls

Page 9 of 34

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De	Description	Exam Type	Exam Elev	Az.	Dwg. CISH	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedu
X-40D		GV	732'	243°	36	1	1	4	005		NDE-VT
				210			1	1	005	345565	003 Rev
X-55		GV	736'	223°	36	1	1	1	005	245505	NDE-VT
						<u>'</u>	<u>'</u>	<u>-</u>	005	345565	003 Rev
X-56		GV	736'	219°	36	1	1	1	005	345565	NDE-VT 003 Rev
								<u>'</u>	000	343303	NDE-VT
X-58A		GV	735'	228°	36	1	1	1	005	345565	003 Rev
V 04 A										0.10000	NDE-VT
X-61A		GV	726'	243°	36	1	1	1	005	345565	003 Rev
X-62A											NDE-VT
A-02A		GV	726'	248°	36	1	1	1	005	345565	003 Rev
X-63A		0)/	7001	0.00							NDE-VT
7 007		GV	726'	253°	36	1	1	1	005	345565	003 Rev
X-64A		GV	7 29'	2520	00	.					NDE-VT
		- GV	729	253°	36	1	1	1	005	345565	003 Rev
X-28A		GV	739'	248°	36						NDE-VT
			700	240	- 30	1	1	1	005	345565	003 Rev 1
X-29A		GV	739'	243°	36	1	1	. [005		NDE-VT
								1	005	345565	003 Rev 1
			719' -	270° to							
Drywell Exte	rior	GV	749'	360°	37						
X-37C	X-37C X-38C	GV	7051	0000							NDE-VT
7.070		GV	735'	282°	37	1	1	1	005	345565	003 Rev 1
X-38C		GV	735'	2020	27						NDE-VT
1		- GV	730	282°	37	1	1	1	005	345565	003 Rev 1
X-60A		GV	726'	294°	37						NDE-VT
			. 20	204	31	1	1	1	005	345565	003 Rev 1

Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	In:
X-85A	GV	736'	319°	37	1	1	1	005	345565	NDE-V
X-85B	GV	736'	322°	37	1	1	1	005	345565	NDE-V
X-88B	GV	721'	295°	37	1	1	1	005	345565	NDE-V
X-7C	GV	740'	0° -10	37	1	1	1	005	345565	NDE-V 003 Re
X-7D	GV	740'	0° -3	37	1	1	1	005	345565	NDE-V 003 Re
Drywell Exterior	GV	749' - 779'	0° to 90°	38						
X-14	GV	750'	57°	38	1	1	1	006	345565	NDE-V 003 Re
X-9B	GV	753'	0° +3	38	1	1	1	006	345565	NDE-V 003 Re
X-16B	GV	763'	0° +3	38	1	1	1	006	345565	NDE-V
X-20	GV	763'	21°	38	1	1	1	006	345565	NDE-V
X-39B	GV	763'	0° +6	38	1	1	1	006	345565	NDE-V
X-45	GV	763'	90° -3	38	1	1.	1	006	345565	NDE-VT
Drywell Exterior	GV	749' - 779'	90° to 180°	39						
X-3B	GV	757'	116°	39	1	1	1	006	345565	NDE-V7 003 Rev

Page 11 of 34

tem	Description	Exam Type	Exam Elev	Az.	Dwg. CISI+	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedur
	X-3D	GV	756'	112°	39	1	1	1	006	345565	NDE-VT 003 Rev 1
	Drywell Exterior	GV	749' - 779'	180° to	40						00011041
	X-36	GV	750'	190°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-42	GV	750'	180°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-3A	GV	756'	248°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-3C	GV	756'	256°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-32B	GV	757'	232°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-39A	GV	753'	195°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-41	GV	754'	186°	40	_1	1	1	006	345565	NDE-VT 003 Rev 1
	X-47	GV	757'	192°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
	X-57	GV	755'	190°	40	1	1	1	006		NDE-VT 003 Rev 1
	X-66B	GV	757'	228°	40	1	1	1	006		NDE-VT 003 Rev 1
	X-81B	GV	756'	236°	40	1	1	1	006		NDE-VT 003 Rev 1
	X-82B	GV	756'	240°	40	1	1	1	006		NDE-VT 003 Rev 1

Description m	Exam Type	Exam Elev	Az.	Dwg. CISI+	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedure
X-84B	GV	756'	244°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
X-59B	GV	775'	228°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
X-65B	GV	768'	228°	40	1	1	1	006	345565	NDE-VT 003 Rev 1
Drywell Exterior	GV	749' - 779'	270° to 360°	41						
X-32A	GV	756'	309°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-66A	GV	756'	305°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-81A	GV	756'	293°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-82A	GV	756'	297°	41	1	_1	1	006	345565	NDE-VT 003 Rev 1
X-84A	GV	756'	301°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-26	GV	772'	78°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-59A	GV	775'	305°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-65A	GV	768'	305°	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-9A	GV	753'	0° -3	41	1	1	1	006	345565	NDE-VT 003 Rev 1
X-16A	GV	763'	0° -2	41	1	1	1	006		NDE-VT 003 Rev 1

UNIT . 12th RIO

Item	Description	Exam Type	Exam Elev	Az.	Dwg. CISI+	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedur
	Drywell Exterior	GV	779' - 791'	0° to 90°	42	1	1	no access this area	007	345565	NDE-VT 003 Rev 1
	Drywell Exterior			90° to 180°	43	1	1	no access this area	007	345565	NDE-VT 003 Rev 1
	Drywell Exterior			180° to 270°	44	1	1	no access this area	007	345565	NDE-VT 003 Rev 1
	Drywell Exterior			270° to 360°	45	1	1	no access this area	007	345565	NDE-VT 003 Rev 1
	Drywell Exterior	GV	791' - 794'	0° to	46	1	1	1	008	245505	NDE-VT
	Drywell Exterior			90° to 180°	47	1	1	1	008	345565 345565	003 Rev 1 NDE-VT 003 Rev 1
-	Drywell Exterior			180° to 270°	48	1	1	1	008	345565	NDE-VT 003 Rev 1
	Drywell Exterior			270° to 360°	49	1	1	1	008	345565	NDE-VT 003 Rev 1
1,10	nination Category: E-A, Con Containment Vessel Pressi Accessible Surface Areas										
	<u> Drywell - Interior</u>										
	Drywell Interior	GV	704' - 719'	0° to 90°	50	1	1	1	009		NDE-VT 003 Rev 1

em	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp
	X-34B	GV	704'	19°	F 0						NDE-VT
		- GV	704	19	50	1	1	1	009	345566	003 Rev
	X-35A	GV	717'	50°	50	1	1	1	000	0.4777	NDE-VT
		1			- 30	-	<u> </u>	1	009	345566	003 Rev
_	X-35B	GV	717'	48°	50	1	1	1	009	345566	NDE-VT 003 Rev
								'		343300	NDE-VT
-	X-35C	GV	717'	46°	50	1	1	1	009	345566	003 Rev
	X-35D	0).									NDE-VT
\dashv	N-33D	GV	717'	44°	50	1	1	1	009	345566	003 Rev
	X-35E	GV	717'	440	# 0						NDE-VT
-		l Gv	/1/	41°	50	1	1	1	009	345566	003 Rev
	X-35F	GV	717'	39°	50	4					NDE-VT
		-		- 00		1	1	1	009	345566	003 Rev
_ [X-49B	GV	705'	44°	50	1	1	1	009	245500	NDE-VT
							- ' -		009	345566	003 Rev
-	X-104F	GV	711'	36°	50	1	1	1	009	345566	003 Rev
],	X-83B										NDE-VT
+	V-03D	GV	705'	15°	50	1	1	1	009	345566	003 Rev
	X-93	GV	7471	070		_					NDE-VT
Ť		GV	717'	37°	50	_1_	1	1	009	345566	003 Rev
	X-100H	GV	711'	53°	50	1	1	4	000	0.45505	NDE-VT
							_'	1	009	345566	003 Rev
	K-104H	GV	711'	22°	50	1	1	1	009	345566	NDE-VT 003 Rev
								· ·		040000	oos Kev
+			704' -	90° to							
[[Orywell Interior	GV	719'	180°	51	1	1	1	009	345566	NDE-VT 003 Rev

									 	T	
Iter	Description	Exam Type	Exam Elev	Az	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedure
	X-11	GV	708'	147°	51	1	1	1			NDE-VT
	X-12	GV	710'	176°	51				009	345566	003 Rev 1 NDE-VT
			110	170	31	1	1	1	009	345566	003 Rev 1 NDE-VT
	X-13B	GV	710'	161°	51	1	1	1	009	345566	003 Rev 1
	X-15	GV	709'	124°	51	1	1	1	009	345566	NDE-VT 003 Rev 1
	X-18	GV	709'	127°	51	1	1	1	009	345566	NDE-VT 003 Rev 1
	X-19	GV	709'	120°	51	1	1	1	009	345566	NDE-VT 003 Rev 1
	X-30B	GV	705'	132°	51	1	1	1	009	345566	NDE-VT 003 Rev 1
	X-33B	GV	705'	125°	51	1	1	1	009		NDE-VT
	X-34A	GV	705'	154°	51	1	1	1	009	345566	003 Rev 1 NDE-VT
	X-50B	GV	705'	142°	51	1	1	1	009	345566	003 Rev 1 NDE-VT
	X-51B	GV	705'	145°	51	1	1			345566	003 Rev 1 NDE-VT
	X-52B	GV	705'	137°	51			1	009	345566	003 Rev 1 NDE-VT
	X-83A	GV	705'	150°	51	1	1	1	009		003 Rev 1 NDE-VT
	X-90D					1	1	1	009	345566	003 Rev 1 NDE-VT
		GV	711'	141°	51	1	1	1	009	345566	003 Rev 1
	X-90E	GV	711'	137°	51	1	1	_ 1	009	345566	NDE-VT 003 Rev 1

m	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	3		1st Period	12 RIO Report #	WO#	Insp
4.0.4.		1888-29 YA SASES	88.71.A.8	A.C.	@ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	City	Sch.	12 RIO	9902XXX	_	Procedur
	X-90F	GV	711'	133°	51	1	1	4	000	0.45500	NDE-VT
				100	- 31	 -	<u> </u>	1	009	345566	003 Rev 1
	X-48A	GV	705'	157°	51	1	1		009	0.45500	NDE-VT
			700	107	31	 '	- '- -	1	009	345566	003 Rev 1
			704' -	180° to		 -					NOE 1/2
	Drywell Interior	GV	719'	270°	52	1	1	1	000	0.45500	NDE-VT
-			713	210	- 32	+	- '	1	009	345566	003 Rev 1
	X-6 (CRD Hatch)	GV	718'	216°	52	1	1		000	0.45500	NDE-VT
	(Constant of the Constant of t		7,10	210	- 32	<u> </u>		1	009	345566	003 Rev 1
	X-10	GV	714'	209°	52	1	4	_	000	0.45500	NDE-VT
-		-	717	203	32	 	1	1	009	345566	003 Rev 1
	X-13A	GV	710'	199°	5 0						NDE-VT
	7. 10.7	GV	710	199	52	1	1	1	009	345566	003 Rev 1
	X-17	GV	710'	247°	50						NDE-VT
-		GV	710	241	52	1	1	1	009	345566	003 Rev 1
	X-23	OV.	700	4000							NDE-VT
-	X-23	GV	709'	186°	52	1	1	1	009	345566	003 Rev 1
	 X-24	014	700								NDE-VT
-	A-24	GV	709'	183°	52	1_1_	1	1	009	345566	003 Rev 1
ı	X-25	.									NDE-VT
	X-25	GV	710'	236°	52	1	_ 1	1	009	345566	003 Rev 1
	V 504										NDE-VT
-	X-50A	GV	705'	215°	52	1	1	1	009	345566	003 Rev 1
	V 70 A										NDE-VT
-	X-72A	GV	704'	229°	52	1	1	1	009	345566	003 Rev 1
	 										NDE-VT
\dashv	X-72B	GV	704'	231°	52	1	1	1	009	345566	003 Rev 1
_											
			704' -	270° to							NDE-VT
	Drywell Interior	GV	719'	360°	53	1 1	1	1	009	345566	003 Rev 1

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Page 17 of 34

Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Proced
X-30A	GV	710'	322°	53	1	1	1	009	345566	NDE-VT
X-33A	GV	708'	327°	53	1	1	1	009	345566	NDE-VT
X-49A	GV	704'	327°	53	1	1	1	009	345566	NDE-VT 003 Rev
X-51A	GV	704'	324°	53	1	1	1	009	345566	NDE-VT 003 Rev
X-52A	GV	708'	323°	53	1	1	1	009	345566	NDE-VT
X-90A	GV	711'	328°	53	1 [.]	1	1	009	345566	NDE-VT 003 Rev
X-90B	GV	711'	332°	53	1	1	1	009	345566	NDE-VT 003 Rev
X-90C	GV	711'	336°	53	1	1	1	009	345566	NDE-VT 003 Rev
X-100G	GV	711'	313°	53	1	1	1	009	345566	NDE-VT 003 Rev
X-104E	GV	706'	348°	53	1	1	1	010	345566	NDE-VT 003 Rev
X-104G	GV	711'	353°	53	1	1	1	010	345566	NDE-VT
		719' -	0° to							
Drywell Interior	GV	738'	90°	54	1	1	1	010		NDE-VT 003 Rev
X-8	GV	731'	0°	54	1	1	1	010		NDE-VT 003 Rev 1
X-21	GV	734'	40°	54	1	1	1	010		NDE-VT

Item	Description	Exam Type	Exam Elev	Az.	Dwg, CISI:	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
	X-22	GV	70.41	400	5 4						NDE-VT
-	X-22	-GV	734'	43°	54	1	1	1	010	345566	003 Rev 1
1	X-27B	GV	7261	649	5 4						NDE-VT
<u> </u>	X-27B	Gν	726'	61°	54	1	1	1	010	345566	003 Rev 1
	X-28B	GV	729'	61°	5 4						NDE-VT
-	X-20B	GV	129	01	54	1	1	1	010	345566	003 Rev 0
	X-29B	GV	732'	61°	<i>5</i>						NDE-VT
-	X 23B	Gv	132	01	54	1	_1_	1	010	345566	003 Rev 1
	X-40E	GV	729'	77°	54				0.4.0		NDE-VT
	7,02		125	- ' '	54	1	1	1	010	345566	003 Rev 1
	X-40F	GV	729'	73°	54	1			040	0.45500	NDE-VT
			723	73	- 34		1	1	010	345566	003 Rev 1
ļ	X-40G	GV	729'	69°	54	1		,	040	0.45500	NDE-VT
		-	720			_'_	1	1	010	345566	003 Rev 1
	X-40H	GV	729'	65°	54	1	1	1	040	0.45500	NDE-VT
						- '	'		010	345566	003 Rev 1
	X-44	GV	726'	12°	54	1	1	1	010	245500	NDE-VT
						· ·	'	· · · · ·	010	345566	003 Rev 1
	X-46	GV	727'	0°	54	1	1	1	010	245500	NDE-VT
		-							010	345566	003 Rev 1
	X-48B	GV	732'	65°	54	1	1	1	010	345566	NDE-VT
									010	343300	003 Rev 1
Į,	X-53	GV	736'	39°	54	1	1	1	010	245500	NDE-VT
								'	010	345566	003 Rev 1
	X-54	GV	736'	51°	54	1	1	1	010	345566	NDE-VT 003 Rev 1
								· · · · ·	- 0.0	J-10000	NDE-VT
	X-58B	GV	735'	65°	54	1	1	1	010	345566	003 Rev 1
						· · ·		•		343300	NDE-VT
	X-60B	GV	735'	61°	54	1	1	1	010	345566	003 Rev 1

Page 19 of 34

em	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	Wo#	Ins _i Proced
	X-61B	GV	726'	65°	54	1	1	1			NDE-VT
	X-62B	GV	726'	69°	54				010	345566	003 Rev
		-	720	03	54	1	1	1	010	345566	003 Rev
	X-63B	GV	726'	73°	54	1	1	1	010	345566	NDE-VT 003 Rev
	X-64B	GV	726'	77°	54	1	1	1	010	345566	NDE-VT 003 Rev
	X-87	GV	734'	46°	54	1	1	1	010	345566	NDE-VT
	X-91B	GV	732'	57°	54	1	1	1	010		003 Rev
	X-92	GV	735'	57°	54	1	1	1		345566	003 Rev
	X-94	GV	734'	37°	54	1			010	345566	003 Rev NDE-VT
	X-37D	GV	735'				1	1	010	345566	003 Rev NDE-VT
				78°	54	1	1	1	010	345566	003 Rev NDE-VT
	X-38D	GV	735'	78°	54	_1	1	1	010	345566	003 Rev
	Drywell Interior	GV	719' - 738'	90° to 180°	55	1	1	1	010	345566	NDE-VT 003 Rev
	X-31B	GV	726'	162°	55	1	1	1	010		NDE-VT 003 Rev
-	X-80A	GV	726'	159°	55	1	1	1	010		NDE-VT 003 Rev
	X-80B	GV	726'	156°	55	1	1	1	010		NDE-VT 003 Rev

em	Description	Exam Type	Exam Elev	Az.	Dwg. CISI+	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedu
;	X-80C	GV	726'	153°	55	1	4				NDE-VT
	V 00 A					l I	1	1	010	345566	003 Rev 1 NDE-VT
- /	X-86A	GV	735'	115°	55	1	1	1	010	345566	003 Rev
;	X-86B	GV	735'	112°	55	1	1	1	010	345566	NDE-VT 003 Rev
,	X-88A	GV	721'	114°	55	1	1	1	010		NDE-VT
						<u> </u>	<u>'</u>		010	345566	003 Rev
>	X-91A	GV	726'	165°	55	1	1	1	010	345566	003 Rev
	K-37B	GV	735'	102°	55	1	1	1	010	345566	NDE-VT 003 Rev
>	K-38B	GV	735'	102°	55	1	1	1	010	345566	NDE-VT 003 Rev
\perp											0001101
	Orywell Interior	GV	719' - 738'	180° to 270°	56	1	1	1	010	345566	NDE-VT 003 Rev
)	(-5	GV	724'	239°	56	1	1	1	010	345566	NDE-VT
×	(-27A	GV	732'	239°	56	1	1	1	010		003 Rev 1
×	(-31A	GV	732'	228°	56	1	1			345566	003 Rev 1 NDE-VT
×	(-40A	GV	730'	243°	56	1		1	010	345566	003 Rev NDE-VT
	(40D						1	1	010	345566	003 Rev 1 NDE-VT
^	(-40B	GV	729'	248°	56	1	_1	1	010	345566	003 Rev 1
X	(-40C	GV	735'	243°	56	_1	_ 1	1	010		NDE-VT 003 Rev 1

UNIT . - 12th RIO

Descrip	etion Exam		Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RiO Report # 9902XXX	WO#	Insp Procedu
X-40D	GV	732'	243°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-55	GV	736'	223°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-56	GV	736'	219°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-58A	GV	735'	228°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-61A	GV	726'	243°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-62A	GV	726'	248°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-63A	GV	726'	253°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-64A	GV	729'	253°	56	1	1	1	010	345566	NDE-VT 003 Rev
X-37A	GV	735'	258°	56	1	1	1	010	345566	NDE-VT
X-38A	GV	735'	258°	56	1	1	1	010	345566	003 Rev NDE-VT 003 Rev
		719' -	270° to						04000	
Drywell Interior	GV	738'	360°	57	1	_1	1	010	345566	NDE-VT 003 Rev
X-60A	GV	726'	294°	57	1	1	1	010		NDE-VT 003 Rev
X-85A	GV	736'	319°	57	1	1	1	010		NDE-VT 003 Rev
X-85B	GV	736'	322°	57	1	1	1	010		NDE-VT 003 Rev

UNIT . - 12th RIO

Description	Exam Type	Exam Elev	Az.	Dwg. GISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Ins
X-88B	GV	721'	295°	57	1	1	1	010	0.45500	NDE-V
X-37C	GV	735'	282°	57	1	1	1		345566	003 Re
X-38C	GV	735'	282°	57	1	1	1	010 010	345566 345566	003 Re
		738' -	0° to			<u>·</u>		010	343300	003 Re
Drywell Interior	GV	752'	90°	58	1	1	1	011	345566	NDE-V
X-7A	GV	740'	0° +3	58	1	1	1	011	345566	NDE-V
Х-7В	GV	740'	0° +11	58	1	1	1	011	345566	NDE-V
X-7D	GV	740'	0° -3	61	1	1	1	011	345566	NDE-V1
X-7C	GV	740'	0° -10	61	1	1	1	011		003 Rev
X-14	GV	750'	57°	58	1	1	1		345566	003 Rev NDE-VT
								011	345566	003 Rev
Drywell Interior	GV	738' - 752'	90° to 180°	59	1	1	1	011		NDE-VT 003 Rev
Drywell Interior	GV	738' - 752'	180° to 270°	60	1	1	1	011		NDE-VT
X-28A	GV	739'	248°	60	1	1	1	011		NDE-VT
X-29A	GV	739'	243°	60	1	1	1	011		003 Rev NDE-VT 003 Rev

Description	Exam Type		Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Ins _i Proced
X-36	GV	750'	190°	60	1	1	1	011	345566	NDE-VT 003 Rev
X-42	GV	750'	180°	60	1	1	1	011	345566	NDE-VT 003 Rev
Drywell Interior	GV	738' - 752'	270° to 360°	61	1	1	1	011	345566	NDE-VT 003 Rev
Drywell Interior	GV	752' - 767'	0° to 90°	62	1	1	11	012	345566	NDE-VT 003 Rev
X-9B	GV	753'	0° +3	62	1	1	1	012	345566	NDE-VT 003 Rev
X-16B	GV	763'	0° +3	62	1	1	1	012	345566	NDE-VT 003 Rev
X-20	GV	763'	21°	62	1	1	1	012	345566	NDE-VT 003 Rev
X-39B	GV	763'	0° +6	62	1	_1	1	012	345566	NDE-VT 003 Rev
X-45	GV	763'	90° -3	62	_1	1	1	012	345566	NDE-VT 003 Rev
Drywell Interior	GV	752' - 767'	90° to 180°	63	1	1	1	012	345566	NDE-VT 003 Rev
X-3B	GV	757'	116°	63	1	_1	1	012	345566	NDE-VT 003 Rev
X-3D	GV	756'	112°	63	1	1	1	012	345566	NDE-VT 003 Rev
Drywell Interior	GV	752' - 767'	180° to 270°	64	1	1	1	012		NDE-VT 003 Rev

Page 24 of 34

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lter	Description	Exam Type	Exam Elev	Az	Dwg. CISI+	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
	X-3A	GV	756'	248°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-3C	GV	756'	256°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-32B	GV	757'	232°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-39A	GV	753'	195°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-41	GV	754'	186°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-47	GV	757'	192°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-57	GV	755'	190°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-66B	GV	757'	228°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-81B	GV	756'	236°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-82B	GV	756'	240°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-84B	GV	756'	244°	64	1	1	1	012	345566	NDE-VT 003 Rev 1
	Drywell Interior	GV	752' - 767'	270° to 360°	65	1	1	1	012	345566	NDE-VT 003 Rev 1
<u> </u>	X-32A	GV	756'	309°	65	1	1	1	012	345566	NDE-VT 003 Rev 1
	X-66A	GV	756'	305°	65	1	_1	1	012	345566	NDE-VT 003 Rev 1

UNIT 12th RIO

Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	In Proc
X-81A	GV	756'	293°	65	1	1	1	012	345566	NDE-\
X-82A	GV	756'	297°	65	1	1	1	012		003 R
X-84A	GV	756'	301°	65	1	1	1		345566	003 Re
X-9A	GV	753'	0° -3	65		·	-	012	345566	003 Re
X-16A	GV	763'	0° -2	65	1	1	1	012 012	345566 345566	003 Re NDE-V 003 Re
Drywell Interior	GV	767' - 779'	0° to 90°	66	1	1		013	345566	NDE-V 003 Re
Drywell Interior	GV	767' - 779'	90° to 180°	67	1	1	1	013	345566	NDE-V
Drywell Interior	GV	767' - 779'	180° to 270°	68	1	1		013	345566	NDE-V
X-59B	GV	775'	228°	68	1	1	1	013	345566	NDE-V 003 Re
X-65B	GV	768'	228°	68	1	1	1	013	345566	NDE-V
Drywell Interior	GV	767' - 779'	270° to 360°	69	1	1	1	013	345566	NDE-V
X-26	GV	772'	78°	69	1	1	1	013		NDE-V 003 Re
X-59A	GV	775'	305°	69	1	1	1	013		NDE-V

Page 26 of 34

UNIT . 12th RIO

Description m	Exam Type	Exam Elev	Az.	Dwg. CISI-	Otv.	Sch.	1st Period 12 RiO	12 RIO Report # 9902XXX	WO#	Insp Procedu
								thank duitinist to		NDE-VT
X-65A	GV	768'	305°	69	1	1	1	013	345566	003 Rev 1
		779' -	0° to	 -						NDE-VT
Drywell Interior	GV	791'	90°	70	1	1	1	014	345566	003 Rev 1
		779' -	90° to							NDE-VT
Drywell Interior	GV	791'	180°	71	1	1	1	014	345566	003 Rev 1
Drywell Interior	GV	779' - 791'	180° to 270°	72	4		4	044	0.45500	NDE-VT
Diywell interior	- GV	779' -	270° to	12	1	1	1	014	345566	003 Rev 1 NDE-VT
Drywell Interior	GV	791'	360°	73	1	1	1	014	345566	003 Rev 1
		791' -	0° to		·				T	NDE-VT
Drywell Interior	GV	794'	90°	74	1	1	1	015	345566	003 Rev 1
Drywell Interior	GV	791' - 794'	90° to 180°	7.5						NDE-VT
Drywen interior		794 791' -	180° to	75	1	1	1	015	345566	003 Rev 1
Drywell Interior	GV	794'	270°	76	1	1	1	015	345566	NDE-VT 003 Rev 1
Drywell Interior	GV	791' - 794'	270° to 360°	77	1	1	1	015	345566	NDE-VT 003 Rev 1
amination Category: E-A	Contribution			9.30 see tot sustance	•		,	010	343300	003 Rev 1
10 Containment Vessel F	Pressure Reta									
11 Accessible Surface A	reas 				;					
11 Accessible Surface A Suppression Cham	t kaman in jaka ja a ti ti ti ti ti ti									

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Page 27 of 34

										· · · · · · · · · · · · · · · · · · ·	
m	Description	Exam Type	000000000000000000000000000000000000000	Az.	Dwg. CISI-	Otv	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO #	Insp Procedi
ote	e: GV Examinations a							2')	BOOODANAA		8 Wiolker
	Suppression Chamber			0° to							
	Interior Floor	VT-3	648'	90°		1		4	1100	0.000	NDE-VT-
_	Suppression Chamber	+ • • •	040	90° to		 -'	1	1	UCC	345325	008 Rev
	Interior Floor	VT-3	648'	180°		1	1	1	UCC	245225	NDE-VT-
	Suppression Chamber			180° to		-	'		000	345325	008 Rev
	Interior Floor	VT-3	648'	270°		1	1	1	ucc	345325	008 Rev
	Suppression Chamber			270° to			-	•		<u> </u>	NDE-VT-
	Interior Floor	VT-3	648'	360°		1	1	1	ucc	345325	008 Rev
_	Suppression Chamber		648'-	0° to		-					NDE-VT-
	Interior	VT-3	672'	90°	104	1	1	1	UCC	345325	008 Rev
	X-206B	VT-3	659'	62°	104					·	NDE-VT-
+	/ L OOD	V 1-3	บวิษ	02	104	1	1	1	UCC	345325	008 Rev
	X-234B	VT-3	666'	70°	104	1	1	1	ucc	345325	NDE-VT- 008 Rev
						'	-	- 1	000	343325	NDE-VT-
	X-235B	VT-3	653'	44°	104	1	1	1	UCC	345325	008 Rev
	X-236	\ \/T 0	0501	400							NDE-VT-
\dashv	A-230	VT-3	659'	49°	104	1	1	1	UCC	345325	008 Rev
+	Suppression Chamber		648'-	90° to							NDC V
	Interior	VT-3	672'	180°	105	1	1	1	UCC	345325	NDE-VT- 008 Rev
	X-203B	VT-3	CEO!	4040	46.7						NDE-VT-
	V-500D	V 1-3	659'	161°	105	1	1	1	UCC	345325	008 Rev
	X-203D	VT-3	659'	139°	105	1	1	1	ucc	245225	NDE-VT-
				100	100			I	UCC	345325	008 Rev
	X-209	VT-3	659'	101°	105	1	1 -	1	UCC	345325	008 Rev

ltem	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
	X-214	VT-3	659'	129°	105	1	1	1	UCC	245005	NDE-VT-
	7.211	V 1-3	000	123	103	 '		1	000	345325	008 Rev 0
	Suppression Chamber		648'-	180° to	 -						NDE-VT-
	Interior	VT-3	672'	270°	106	1	1	1	UCC	345325	008 Rev 0
	\								**		NDE-VT-
	X-203A	VT-3	659'	221°	106	1	1	1	UCC	345325	008 Rev 0
	X-203C	VT-3	659'	199°	106	1	4	4	1100	0.45005	NDE-VT-
	X 2000	V 1-3	003	133	100		1	1	UCC	345325	008 Rev 0
	Suppression Chamber		648'-	270° to		 					NDE-VT-
	Interior	VT-3	672'	360°	107	1	1	1	UCC	345325	008 Rev 0
											NDE-VT-
	X-206A	VT-3	659'	297°	107	1	1	1	UCC	345325	008 Rev 0
	X-219B	VT-3	666'	286°	107			_		0.45005	NDE-VT-
	X 213B	V1-3	000	200	107	1	1	1	UCC	345325	008 Rev 0 NDE-VT-
	X-222	VT-3	657'	307°	107	1	1 1	1	UCC	345325	008 Rev 0
						1				010020	NDE-VT-
	X-232B	VT-3	653'	280°	107	11	1	1	UCC	345325	008 Rev 0
	X-237	VT-3	659'	311°	407						NDE-VT-
	7 201	V1-3	059	311	107	1	1	1	UCC	345325	008 Rev 0
	X-243	VT-3	646'	276°	107	1	1.	1	ucc	345325	NDE-VT- 008 Rev 0
						 	<u> </u>	•	- 000	343323	000 Rev 0
	Suppression Chamber		672' -	0° to		†					NDE-VT
	Interior	GV	683'	90°	108	1	1	1	UCC	345325	008 Rev 0
	V 0005										NDE-VT
	X-208B	GV	673'	49°	108	1	1	1	UCC	345325	008 Rev 0
	X-212		6701	500	400						NDE-VT
	N-212	GV	673'	56°	108	1	1	1	UCC	345325	008 Rev 0

Item	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedure
											NDE-VT
	X-220B	GV	674'	44°	108	1	1	1	UCC	345325	008 Rev 0
											NDE-VT
	X-224	GV	677'	77°	108	1	1	1	UCC	345325	008 Rev 0
											NDE-VT
ļ	X-229B	GV	673'	63°	108	1	1	1	UCC	345325	008 Rev 0
İ				_							NDE-VT
	X-234A	GV	674'	70°	108	1_	1	1	UCC	345325	008 Rev 0
											NDE-VT
ļ	X-238B	GV	674'	52°	108	1	1	1	ucc	345325	008 Rev 0
<u> </u>			0701	0001							
	Suppression Chamber	0.7	672' -	90° to	400						NDE-VT
	Interior	GV	683'	180°	109	1	1	1	ucc	345325	008 Rev 0
	X-210	GV	674'	109°	100	4	4		1100	0.45005	NDE-VT
	X-210	GV	674	109	109	1	1	11	ucc	345325	008 Rev 0
	X-211	GV	677'	94°	109	1	1	1	ucc	245205	NDE-VT
	X-211	- OV	077	34	109	'	<u> </u>	· · · · · · · · · · · · · · · · · · ·	000	345325	008 Rev 0 NDE-VT
	X-213	GV	673'	99°	109	1	1	1	UCC	345325	008 Rev 0
			0,0		100		 ' -	1	000	343323	NDE-VT
	X-215	GV	674'	129°	109	1	1	1	UCC	345325	008 Rev 0
			1.5.	720		<u> </u>	<u> </u>	<u> </u>	000	343323	NDE-VT
	X-216	GV	677'	124°	109	1	1	1	UCC	345325	008 Rev 0
						<u> </u>	<u> </u>	<u> </u>		040020	NDE-VT
	X-217	GV	673'	122°	109	1	1	1	UCC	345325	008 Rev 0
						†	1				NDE-VT
	X-225	GV	677'	139°	109	1	1	1	UCC	345325	008 Rev 0
											NDE-VT
	X-226B	GV	673'	153°	109	1	1	1	ucc	345325	008 Rev 0

					·					 	
ltem	Description	Exam Type	Exam Elev	Az.	Dwg. CISI:	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedure
	X-228D	GV	673'	102°	109	1	1	1	UCC	345325	NDE-VT 008 Rev 0
			0.0	102	100	 '	<u>'</u>		000	343323	NDE-VT
	X-244	GV	677'	112°	109	1	1	1	ucc	345325	008 Rev 0
											NDE-VT
	X-245	GV	673'	120°	109	1	1	1	UCC	345325	008 Rev 0
											NDE-VT
	X-246B	GV	674'	167°	109	1	1	1	UCC	345325	008 Rev 0
	Suppression Chamber Interior	GV	672'-	180° -	440						NDE-VT
	interior	GV	683'	270°	110	1	1	1	UCC	345325	008 Rev 0
	X-246A	GV	674'	194°	110	1	1	1	ucc	345325	NDE-VT
			0,4	154	110	 - '	 	<u>'</u>	000	345325	008 Rev 0 NDE-VT
	X-226A	GV	673'	206°	110	1	1	1	UCC	345325	008 Rev 0
	· · · · · · · · · · · · · · · · · · ·						<u> </u>			0 10020	NDE-VT
	X-228C	GV	673'	235°	110	1	1	1	UCC	345325	008 Rev 0
	Suppression Chamber		672'-	270°-							NDE-VT
	Interior	GV	683'	360°	111	1	1	1	UCC	345325	008 Rev 0
	V 004A	0) (NDE-VT
	X-231A	GV	673'	276°	111	1	1	1	UCC	345325	008 Rev 0
	X-231B	GV	673'	282°	444						NDE-VT
	X-201B	- GV	073	202	111	1	1	1	UCC	345325	008 Rev 0
	X-230A	GV	673'	291°	111	1	1	1	UCC	345325	NDE-VT
			3.0	201		 ' -	<u> </u>		UCC	343323	008 Rev 0 NDE-VT
	X-229A	GV	673'	294°	111	1	1	1	UCC	345325	008 Rev 0
											NDE-VT
	X-208A	GV	673'	311°	111	1	1	1	UCC	345325	008 Rev 0
											NDE-VT
L	X-238A	GV	674'	337°	111	1	1	1	UCC	345325	008 Rev 0

UNIT . 12th RIO

		l l									
tem	Description	Exam Type	Exam Elev	Az.	Dwg. CISI-	Otte	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	W0#	Insp Procedure
Bitt					CIGI	87.13.23	20121U		SOUMANN		NDE-VT
	X-220A	GV	674'	326°	111	1	1	1	ucc	345325	008 Rev 0
						-					NDE-VT
	X-219A	GV	674'	286°	111	1	1	1	ucc	345325	008 Rev 0
var	│ nination Category: E-A, C	 ontainme	it Surfa	ces							
~~'				477							
11	0 Containment Vessel Pre	ssure Reta	oinina A	oundan	,						
	o Contambient vesser i re	asule Itoli	y -	,ouridar)							
1 2	0 Vent System Accessible	Surface A	rase								
	Suppression Chamber Interior										
•		-	660'-								NDE-VT
		VT-3	672'	0°-90°	020/021A	1	1	1	ucc	345325	008 Rev 0
				90°-			 				NDE-VT
			į	180°	020/021A	1	1	1	UCC	345325	008 Rev 0
•				180°-							NDE-VT
				270°	020/021A	1 1	1 1	1	UCC	345325	000 0
	1	I			1		1		, 000	0.0020	1008 Rev 0
				270°-		<u> </u>		-	000	0.10020	NDE-VT
				270°- 360°	020/021A	1	1	1	UCC	345325	NDE-VT
								1			NDE-VT
			672'-	360°				1			008 Rev 0 NDE-VT 008 Rev 0 NDE-VT
		VT-3	672'- 683'	360° 0°-90°				1			NDE-VT 008 Rev 0
		VT-3		360° 0°-90° 90°-	020/021A	1	1		UCC	345325	NDE-VT 008 Rev 0
		VT-3		360° 0°-90° 90°- 180°	020/021A	1	1		UCC	345325	NDE-VT 008 Rev 0 NDE-VT 008 Rev 0
		VT-3		360° 0°-90° 90°- 180° 180°-	020/021A 020/021A	1	1	1	UCC	345325 345325	NDE-VT 008 Rev 0 NDE-VT 008 Rev 0 NDE-VT
		VT-3		360° 0°-90° 90°- 180°- 270°	020/021A 020/021A	1 1 1	1	1	UCC	345325 345325	NDE-VT 008 Rev 0 NDE-VT 008 Rev 0 NDE-VT 008 Rev 0
		VT-3		360° 0°-90° 90°- 180° 180°-	020/021A 020/021A 020/021A	1 1 1	1 1 1	1	UCC	345325 345325 345325	NDE-VT 008 Rev 0 NDE-VT 008 Rev 0 NDE-VT 008 Rev 0 NDE-VT

	Description	Exam	Exam		Dwg.			1st Period	12 RIO Report#	WO#	Insp
tem		Type	Elev	Az.	CISI-	Qty.	Sch.	12 RIO	9902XXX		Procedure
			683'-								NDE-VT
		VT-3	700'	0°-90°	020/021A	1	1	1	UCC	345325	008 Rev 0
				90°-							NDE-VT
				180°	020/021A	1	1	1	UCC	345325	008 Rev 0
				180°-							NDE-VT
				270°	020/021A	1	1	1	UCC	345325	008 Rev 0
-				270°-							NDE-VT
				360°	020/021A	1	1	1	UCC	345325	008 Rev 0
E8.2	0 Bolted Connections										NDE-VT-
	Personnel Hatch (X-2)	VT-1	724'	134°	003A-L	1	1		016	345572	001 Rev 1
	Equipment Hatch(X-1)	VT-1	724'	315°	004-A-B	1	1		022	345572	NDE-VT- 001 Rev 1
Exai	 nination Category: L-A, Gon	 tainmei	nt Surfa	ces							
L1.1	0 Concrete Surfaces										
L1.1	1 Accessible Concrete Surfa	ices an	d Coate	d Areas	1						
	Drywell - Exterior	-	-			-					
								1			

Item	Description	Exam Type	Exam Elev	Az.	Dwg. CISI:	Qty.	Sch.	1st Period 12 RIO	12 RIO Report # 9902XXX	WO#	Insp Procedure
			704' -								NDE-VT
	Concrete Surface	VT-3C	719'	0° - 90°	30	1	1	1	017	345565	003 Rev 1
				90° -							NDE-VT
ļ				180°	31	1	1	1	017	345565	003 Rev 1
				180° -							NDE-VT
				270°	32	1	1	1	017	345565	003 Rev 1
				270° -							NDE-VT
-				360°	33	1	1	11	017	345565	003 Rev 1
								1			
			719' -								NDE-VT
<u> </u>		VT-3C	749'	0° - 90°	34	1	1	1	018	345565	003 Rev 1
1			.	90° -							NDE-VT
				180°	35	1	1	1	018	345565	003 Rev 1
				180° -							NDE-VT
				270°	36	11	1	1	018	345565	003 Rev 1
				270° -							NDE-VT
			ļ	360°	37	1	1	1	018	345565	003 Rev 1
			749' -								NDE-VT
		VT-3C	779'	0° - 90°	38	1	1	1	019	345565	003 Rev 1
				90° -							NDE-VT
				180°	39	1	1	1	019	345565	003 Rev 1
				180° -							NDE-VT
		-		270°	40	1	1	1	019	345565	003 Rev 1
				270° -							NDE-VT
<u></u>		ļ	ļ	360°	41	1	1	1	019	345565	003 Rev 1

APPENDIX G CORRECTIONS

No corrections to previous ISI Outage Summary Reports were made.