APPENDIX D ASME REPAIRS AND REPLACEMENTS NIS-2 FORMS

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UNIT 1 TWELFTH REFUELING AND INSPECTION OUTAGE MAINTENANCE CODE REPAIR AND REPLACEMENT

1.0 INTRODUCTION

This summary identifies the work performed on ASME Section XI, classes 1, 2, 3 and MC of ASME Section VIII items for which Maintenance has NIS-2 responsibility reported in Section 3.1. Nation Board Inspection Code Repair items for which Maintenance has R-1 responsibility is also included in Section 4.0. The majority of this work was performed during the Unit 1 Twelfth Refueling and Inspection Outage.

2.0 CODE COMPLIANCE SUMMARY

All work on ASME Section XI, classes 1, 2, 3 and MC, meets the requirements of IWA-4000 (Repair Procedures) and IWA-7000 (Replacements) of ASME Section XI, 1989 Edition, No Addenda. All work on containment meets the requirements of IWA-4000 and IWA-7000 of ASME Section XI, 1992 Edition through 1992 Addenda of IWE and IWL.

3.0 REPAIR AND REPLACEMENT SUMMARY

Work in this category is comprised of Work Authorization of Section XI Repairs and Replacements.

3.1 SECTION XI REPAIRS AND REPLACEMENTS

WA/WO No 522 FORM NO. DESCRIPTION OF WORK

SYSTEM NO. 016A, ASME CLASS III

329222	01-016-001	112017 & 112021, Prefabrication activities associated with valve replacement
241483	01-016-002	112017 & 112021, Installation activities associated with valve replacement

SYSTEM NO. 024A, ASME CLASS III

105319	G00-024-0008	034037D, Replaced stem/disc & backseat bushing
103400	00-024-007	0505-D1, Repaired heat exchanger by installing tube plugs
103400	99-024-013	0505-D1, Installed new heat exchanger
103400	99-024-014	0505-D2, Installed new heat exchanger
196556	99-024-015	HRC3-3, Replaced pipe and flange DN STM of 011048
105510	99-024-017	1RV-PI-03438D Repaired stem/disc
105510	99-024-018	2RV-PI-03438D Repaired stem/disc
196360	00-024-001	HRC3-3, Replaced pipe and flange DS of 011047
196361	00-024-002	HRC3-3, Replaced pipe and flange DS of 011052
196362	00-024-003	HRC3-2, Replaced pipe and flange DS of 011045
196559	00-024-004	HRC3-2, Replaced pipe and flange DS of 011046
196570	00-024-005	HRC3-2, Replaced pipe and flange DS of 011051
232160	00-024-006	034006B, Repaired stem/disc
241584	00-024-011	0E505E1 & 0E505E2, Replaced heat exchanger bolting
196362	00-024-012	011045, Repair; Tack welded disc during seat replacement

261376	00-024-013	OE506B, Replaced heat exchanger bolting
261375	00-024-014	0E507B, Weld repaired heat exchanger
218215	01-024-001	034009B, Repaired stem/disc
261374	01-024-002	0E505B1, Replaced heat exchanger bolting
196569	01-024-003	HRC3-2, Replaced pipe and flange DS of 011044
196554	01-024-004	HRC3-2, Replaced pipe and flange DS of 011050
196561	01-024-005	HRC3-1, Replaced pipe and flange DS of 011042
315400	01-024-006	011050, Replaced with SS Valve
315401	01-024-007	011042, Replaced with SS Valve
334776	01-024-009	011041, Replaced with SS Valve
334786	01-024-010	011049, Replaced with SS Valve
196356	01-024-011	HRC3-1, Replaced pipe and flange DS of 011049
196359	01-024-012	HRC3-1, Replaced pipe and flange DS of 011041
292830	01-024-013	034009C, Repaired stem/disc
285447	01-024-014	0E507C, Repaired HT EXCH by plugs and replaced bolting
285448	01-024-015	0E506C, Replaced heat exchanger bolting
285446	01-024-016	0E505C1 & 0E505C2, Replaced heat exchanger bolting
328075	01-024-017	0E507A, Replaced heat exchanger bolting
358187	01-024-018	0E506A, Replaced heat exchanger bolting
328076	01-024-019	0E505A1, Replaced heat exchanger bolting
328076	01-024-020	0E505A2, Replaced heat exchanger bolting
328076	01-024-021	KS V 91-15AA, Replaced skid mounted pipe bolting
367274	01-024-024	TCV-03412E, Repaired seat and replaced bolting

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SYSTEM NO. 0300, ASME CLASS III

222463	G01-030-038	086118, Repaired valve disc by welding
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SYSTEM NO. 054A, ASME CLASS III

196553	00-054-009	HRC3302-1 & 2, Replaced valve and associated piping
291238	00-054-009	DG E Engine S/N 501 skid mounted pipe, weld repair flanges
291236	00-054-010	DG E Engine S/N 502 skid mounted pipe, weld repair flanges
241584	00-054-011	DG E Engine S/N 505 skid mounted pipe, weld repair flanges
241584	00-054-012	DG E Engine skid mounted pipe supports, replaced bolting
241584	00-054-013	DG E Engine skid mounted pipe supports, tack welded new locking plates
293981	00-054-014	DG E Engine, replaced skid mounted flex joint S/N # 6

SYSTEM NO. 054B, ASME CLASS III

326728	01-054-004	LE01201A2, Replaced level probe
342852	01-054-006	Replaced (4) spray array nozzles

SYSTEM NO. 072, ASME CLASS III

266471 00-	072-001 0E1:	36, performed seal v	welding of head &	& bolting replacement
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SYSTEM NO. 125A, ASME CLASS II

266726	01-125-001	126018,126029 & SPHCB111-H2001; Replaced valves and relocated support
 226726	02-125-001	SPHCB111-H11, Repaired gouge in support steel

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SYSTEM NO. 134D, ASME CLASS III

317157	01-134-010	1E231B, Replaced flex hoses
317157	02-134-001	1E231B, Repaired heat exchanger by welding
317159	02-134-002	1E231D, Repaired heat exchanger by welding

SYSTEM NO. 134E, ASME CLASS III

285445	01-134-001	1E229A, Replaced flex hose
339721	01-134-010	1E229B, Repaired heat exchanger by welding

SYSTEM NO. 134F, ASME CLASS III

198486 198486	00-134-008 00-134-016	1E228A, Repaired heat exchanger by grinding 1E228A, Repaired heat exchanger by welding
198487 198487	00-134-015 00-134-009	1E228B, Repaired heat exchanger by grinding 1E228B, Repaired heat exchanger by welding

SYSTEM NO. 134G, ASME CLASS III

237369	01-134-008	1E230B, Replaced flex hose
339726	01-134-011	1E230A, Replaced flex hose & Repaired heat exchanger by welding

SYSTEM NO. 135B, ASME CLASS III

103677 01-135-001 153009B, Replaced valve with new RIE design valve

SYSTEM NO. 145A, ASME CLASS II

389668 02-145-001 141F039B, Replaced valve disc

SYSTEM NO. 149A, ASME CLASS II

276541	00-149-021	JD-27-3-5C, PSH-E11-1N022A, Replaced Instrument tubing
259680	01-149-001	JD-27-3-5C, PSH-E11-1N021A, Replaced Instrument tubing
258078	02-149-001	151F046C, Replaced valve disc.

SYSTEM NO. 149B, ASME CLASS III

312793	02-149-003	PSV11213A, Repaired valve base and replaced valve disc
310832	02-149-007	1E205B, Replaced heat exchanger bolting.

SYSTEM NO. 149E, ASME CLASS II

252469	02-149-002	HV151F021B, Replaced valve disc
390413	02-149-005	HV151F021B, Machined valve disc for fit-up

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SYSTEM NO. 149G, ASME CLASS I

346013 312790	02-149-006 02-149-008	HV151F122A, Replace valve stem/disc PSV151F126, Machined valve base and replaced spring & name plate
		SYSTEM NO. 150A, ASME CLASS II
388651	02-150-001	1E203, Repaired pump by welding
		SYSTEM NO. 150B, ASME CLASS II
389968	02-150-002	DBB109-H8, Installation of Lubrite plate and stops
		SYSTEM NO. 151A, ASME CLASS II
341092 245151	01-152-002 02-151-001	152010, Replaced valve stem/disc 152005, Replaced valve disc
		SYSTEM NO. 152A, ASME CLASS II
352081	02-152-001	155F019, Replaced valve disc
		SYSTEM NO. 152B, ASME CLASS I
389672	02-152-002	HV155F003, Replaced valve disc and weld repaired valve guide
		SYSTEM NO. 152B, ASME CLASS II
261756 261367	00-152-002 00-152-003	155019 & 155020, Replaced valves with new 1RV-LSH-1N014, Replaced valve stem/disc and backseat bushing
		SYSTEM NO. 153B, ASME CLASS II
307880 302962 S84029 S84030 102216	01-153-001 01-153-002 02-153-001 02-153-002 02-153-003	HV-143F004A, Replaced inlet fitting and trigger assembly HV-143F004B, Replaced inlet fitting and trigger assembly 1P208A, Replaced Pump Plunger 1P208B, Replaced Pump Plunger 1P208A, Replaced Pump Plunger
		SYSTEM NO. 155B, ASME CLASS II
220241 203030 229501	00-151-002 00-155-006 00-155-008	HCU-4239, Replaced nitrogen accumulator HCU-3451, Replaced nitrogen accumulator HCU-0227, Replaced nitrogen accumulator

- HCU-1839, Replaced nitrogen accumulator HCU-2619, Replaced nitrogen accumulator 00-155-009 229503
- 229504 00-155-010

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050005	00 155 010	
259805	00-155-013	HCU-3811, Replaced nitrogen accumulator
292502 344435	01-155-001 01-155-002	HCU-4255, Replaced nitrogen accumulator HCU-3411, Replaced nitrogen accumulator
383157	02-155-002	HCU-4631, 147101, Replaced valve disc
282920	02-155-004	HCU-4219, 147101, Replaced valve disc
248235	02-153-004	HCU-4611, 147101, Replaced valve disc
248235	02-153-005	HCU-0243, 147101, Replaced valve disc and bonnet
346326	02-155-007	HCU-4239, 147101, Replaced valve disc and bonnet HCU-4239, 147101, Replaced valve disc
350228	02-155-008	HCU-5439, 147101, Replaced valve disc
307655	02-155-009	HCU-1419, 147101, Replaced valve disc
307657	02-155-010	HCU-1819, 147101, Replaced valve disc
001007	02 100 010	
		SYSTEM NO. 159, ASME CLASS MC
000505	00 150 000	1V000 Deplaced missing holding
298585	02-159-002	1X006, Replaced missing bolting
		SYSTEM NO. 159C, ASME CLASS II
		STSTEW NO. 1590, ASINE CLASS II
312787	02-159-001	PSV-15704B1, Replaced damaged bolt
		SYSTEM NO. 161A, ASME CLASS III
237156	00-161-014	145042B & 145043B, Replaced valves and associated pipe
237158	00-161-015	145029A, Replaced valve & machined valve body for fit-up
257191	00-161-016	HV-14512B, Replaced valve ball
238691	00-161-017	145029B, Replaced valve ball
104460	00-161-018	SPEBC107-2, Replaced small pipe flange bolting
274122	00-161-019	HV14512B, Replaced valve and installed new ball
284142	00-161-020	HV14512B, Replaced valve & machined valve body for fit-up
222469	00-161-021 00-161-022	145060A, Replaced valve disc 145029B, Replaced valve and replaced ball with new
274126 233547	00-161-022	FV-14566B, Replaced bonnet pipe plug
288839	00-161-023	HV-14500B, Replaced valve and associated pipe
293796	00-161-025	HV-14507A, Replaced valve and associated pipe
293767	00-161-026	145039B, Replaced valve and associated pipe
289931	01-161-001	HV-14528, Replaced valve and associated pipe
358812	02-161-001	HV-14506B, Replaced valve and associated pipe
		SYSTEM NO. 161B, ASME CLASS III
194059	00-161-001	1P221A, Replaced pump with spare
328635	01-161-002	HV-144F033, Replaced gland plug bushing.
		SYSTEM NO. 162A, ASME CLASS I
273883	00-162-006	HV141F001, HV141F002 & HV141F005, Prefabrication activities
200499	00-162-007	HV141F001, HV141F002 & HV141F005, Replacement activities
NV1A00110	01-162-002	PSV-141F013B, Repaired valve by machining & replaced disc insert,
		Inlet studs

spindle &

PAGE 6 OF 7

392175	02-164-003	XV143F017A, Replace Valve and associated pipe
		SYSTEM NO. 164D, ASME CLASS II
240247	02-164-001	VRR-B31-2, Replaced large pipe flange bolting
		SYSTEM NO. 164B, ASME CLASS I
356060	02-162-006	DCA-111-2, Replaced flange M1 & M3 bolting
256439	02-162-005	PSV-141F013G, Replaced nuts
298553	01-162-037	58-23, Replaced control rod drive & bolts
298551	01-162-036	58-19, Replaced control rod drive & bolts
298549	01-162-035	46-39, Replaced control rod drive & bolts
298548	01-162-034	22-15, Replaced control rod drive & bolts
298547	01-162-033	46-31, Replaced control rod drive & bolts
298545	01-162-032	46-23, Replaced control rod drive & bolts
298544	01-162-031	42-39, Replaced control rod drive & bolts
298541	01-162-030	30-47, replaced control rod drive & bolts
298540	01-162-029	30-15, Replaced control rod drive & bolts 30-47, Replaced control rod drive & bolts
298539	01-162-028	30-15, Replaced control rod drive & bolts
298538	01-162-027	42-59, Replaced control rod drive & bolts
298537	01-162-026	26-51, Replaced control rod drive & bolts
298536	01-162-025	26-35, Replaced control rod drive & bolts
298535		06-31, Replaced control rod drive & bolts
298534	01-162-023	26-15, Replaced control rod drive & bolts
	01-162-022	22-31, Replaced control rod drive & bolts
298532	01-162-021	22-19, Replaced control rod drive & bolts
298531	01-162-020	18-11, Replaced control rod drive & bolts
298529	01-162-020	06-43, Replaced control rod drive & bolts
298529	01-162-019	02-39, Replaced control rod drive & bolts
298527	01-162-018	22-39, Replaced control rod drive & bolts
358112	01-162-017	PSV-141F013S, Replaced relief valve & nuts
		and inlet studs
NV1A00110	01-162-016	PSV-141F013S, Repaired valve by machining & replaced disc insert, spindle
339840	01-162-015	PSV-141F013R. Replaced relief valve & nuts
		spindle and inlet studs
NV1A00110	01-162-014	PSV-141F013R, Repaired valve by machining & replaced nozzle, disc insert
256447	01-162-013	PSV-141F013N, Replaced relief valve & nuts
		studs
NV1A00110		PSV-141F013N, Repaired valve by machining & replaced disc insert and inlet
256445	01-162-011	PSV-141F013L, Replaced relief valve & nuts
NV1A00110	01-162-010	PSV-141F013L, Repaired valve by machining & replaced disc insert
256443	01-162-009	PSV-141F013K, Replaced relief valve & nuts
		And inlet studs
NV1A00110	01-162-008	PSV-141F013K, Repaired valve by machining & replaced disc insert, spindle
256442	01-162-007	PSV-141F013J. Replaced relief valve & nuts
		And spindle
NV1A00110	01-162-005	PSV-141F013J, Repaired valve by machining & replaced disc insert
339839	01-162-005	PSV-141F013D, Replaced relief valve & nuts
	01-102-004	Replaced disc insert, spindle & studs
358110 NV1A00110	01-162-003	PSV-141F013D, Repaired valve by machining and installation of helicoil and
259110	01-162-003	PSV-141F013B, Replaced relief valve & nuts

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SYSTEM NO. 169A, ASME CLASS II

392178 02-169-001 HV16116A1, Machined valve wedge.

SYSTEM NO. 183A, ASME CLASS I

 389521
 02-183-007
 HV141F109, Replaced valve disc

 385099
 02-183-009
 SPDBA116-1, Removed indications by grinding

SYSTEM NO. 183A, ASME CLASS II

251333	01-183-002	1RV-PT-10101B & 2RV-PT-10101B Replaced valves & associated pipe
393126	02-183-010	2RV-LSH-10112D/2RV-LSHH-10112D Replaced valve & associated pipe
393126	02-183-011	1RV-LSH-10112D/1RV-LSHH-10112D Replaced valve & associated pipe
388034	02-183-012	HV-10109, Repaired valve by restoring hard-facing

SYSTEM NO. 183D, ASME CLASS III

256442 02-183-008 GBC101-16, Replaced large pipe flange bolting

SYSTEM NO. 183H, ASME CLASS II

322448 01-183-001 JD-10-3-1D, Replaced tubing

4.0 REPAIR SUMMARY

Work in this category is comprised of Section VIII Repairs and Replacements in accordance with National Board Inspection Code.

4.1 NATIONAL INSPECTION BOARD CODE SECTION VIII REPAIRS

W.A. NO. 522 FORM NO. DISCRIPTION OF WORK

276571 00-139-001 1F106C, Weld repaired cracked seal weld

(* NON VT-2 PER MI-PS-008)

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

. Owner		PPL Susquet			Date	0	5/06/2002	
	769 Sale	m Blvd, Berwic			Sheet	1 of	2	
2. Plant	Susq		n Electric Statio	n	Unit	С	OMMON	
-	700 0-1-	Name				NO # 329	222 & 241483	
	769 Salei	Madress	CK, PA 18003				n P.O. No., Job No., etc.	
. Work Per	formed by	PPL Sus	quehanna, LLC _{Name}		Type Code Sy	nbol Stamp	None	
	769 Sale	m Blvd, Berwic	k, PA 18603		Authorization N	lo	N/A	
		Address			Expiration Date		N/A	
4. Identifica	ation of System		RHR SE	RVICE WAT	ER SYSTEM	016A, CLA	ASS III	
	icable Construct	tion Code	III 19 d for Repairs or Re	71 Edition,		Addenda,		de Case
.,			Replaced and Repla			-		
				National Board			Repaired,	ASME Code
	me of aponent	Name of Manufacturer	Manufacturer Serial No.	No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	ponent			1				
Com	iponent	Manufacturer	Serial No.	No.	Identification	Built	Replacement	(Yes or No)
Com	PIPE	Manufacturer YARWAY ANCHOR	Serial No. 6586	No. N/A	Identification	Built 1976	Replacement	(Yes or No) YES
Com 1) VALVE 2) VALVE 3) SMALL	PIPE :MBLY PIPE	Manufacturer YARWAY ANCHOR DARLING	Serial No. 6586 E660A-1-12	No. N/A N/A	Identification 112017 112017	Built 1976 1999	Replacement REPLACED REPLACEMENT	(Yes or No) YES
Com 1) VALVE 2) VALVE 3) SMALL SUBASSE 4) SMALL	PIPE :MBLY PIPE	Manufacturer YARWAY ANCHOR DARLING BECHTEL	Serial No. 6586 E660A-1-12 N/A	No. N/A N/A N/A	Identification 112017 112017 SPHRC112-5	Built 1976 1999 1982	Replacement REPLACED REPLACEMENT REPLACED	(Yes or No) YES YES YES
Com 1) VALVE 2) VALVE 3) SMALL SUBASSE 4) SMALL SUBASSE	PIPE MBLY PIPE	Manufacturer YARWAY ANCHOR DARLING BECHTEL PPL	Serial No. 6586 E660A-1-12 N/A N/A	No. N/A N/A N/A N/A	Identification 112017 112017 SPHRC112-5 SPHRC112-5	Built 1976 1999 1982 2002	Replacement REPLACED REPLACEMENT REPLACED REPLACEMENT	(Yes or No) YES YES NO

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.

psi

8. Tests Conducted:

Hydrostatic

Other

Pneumatic

Pressure

Nominal Operating Pressure

Test Temp.

FORM NIS-2 (Back)

9. Remarks CODE DATA SHEETS ARE ATTACHED. CODE OF CONSTRUCTION: ORIGINAL VALVE(S) Applicable Manufacturer's Data Reports to be attached

SEC III 1974 ED WINTER 1974 ADD. REPLACEMENT VALVES SEC III 1986 ED NO ADD.

CERTIFIC	CATION OF COMPLIANCE	
We certify that the statements made in the report ASME Code, Section XI.	are correct and this	
Type Code Symbol Stamp	N/A	
Certificate of Authorization NoN/A	Expiration Date	N/A
Signed Owner's Designee, Title Supv Site Mod	Date May	3/ ,20 2
	ON OF INSERVICE INSPEC	
I, the undersigned, holding a valid commission issued by or Province of <u>PENNSYLVANIA</u> and employ	the National Board of Boiler and P yed by FACTORY MUTUAL	ressure Vessel Inspectors and the State INSURANCE CO. of
JOHNSTON, RHODE ISLAND In this Owner's Report during the period 10 - 2	have ins	spected the components described
to the best of my knowledge and belief, the Owner has p	erformed examinations and taken of	2 - 19 - 02, and state that corrective measures described in this
Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor his	employer makes any warranty, exc	pressed or implied, concerning the
examinations and corrective measures described in this (shall be liable in any manner for any personal injury or pr	Owner's Report. Furthermore, neif	ther the Inspector nor his employer
nspection.	operty damage of a loss of any kin	d ansing nom of connected with this
Detton E. Tillow Inspector's Signature	Commissions <u>NB8845</u> National Board	ANIBNS Pa2361 , State? Province, and Endorsements
	·	• • • • • • • • • • • • • • • • • • • •
Date June 3 2002		

REPLACEMENT

2002

NO

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

1	. Owner		PPL Susqueh			Date		05	/06/2002	
		769 Sal	em Blvd, Berwic	-		Sheet	2	of	2	
		0	Address	n Electric Static	ND	Unit		C	OMMON	
2	. Plant	Sus	quehanna Stean		<u>, , , , , , , , , , , , , , , , , , , </u>					
		769 Sale	em Blvd, Berwic				WO #	¥ 3292	22 & 241483	_
		100 000	Address				Repair Or	ganization	P.O. No., Job No., etc.	
3	. Work Per	formed by	PPL Sus	quehanna, LLC		Type Code	Symbol S	Stamp	None	
			em Blvd, Berwic	_{Name} k, PA 18603		Authorizatic	n No.		N/A	
			Address			Expiration [- Date		N/A	
	4. Indentific	ation of Syste	m	RHR SE	ERVICE WAT	ER SYSTE	M 016A	A, CLA	SS III	
	5. (a) Appl (b) App	icable Constru	of Section XI Utilized	III 19 d for Repairs or Re		thru W'72 89	/	denda, SEE RE	MARKS)	de Case
	6. Identifica	ation of Compo	onents Repaired or F	Replaced and Repla	acement Compo	nents				
		me of iponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	i	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

N/A

N/A

PPL

SPHRC114-1

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8) SMALL PIPE SUBASSEMBLY FOR INFORMATION ONLY

Expires On: \?

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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 ___2_

1 Manufactured and c	ertified by 701 Fir	st Street, Willi	amsport, PA 17703	L
1. millionered ene a	Pennsylvania Po	wer & Light Comp	ddress of N Certificate Holder)	•
2 Manufactured for	Two North Ninth	Stroot, Allente		
	Succushanna S	Iname and accress of		
3. Location of installati	ion <u>5 miles NE of</u>	Berwick on Rte	11. P.O. Box 467	Berwick, PA
		(nam)	e and address)	
4. Model No., Series N	o., or Type <u>Valve</u>	Drawing W9825	5189 Rev. A	CRNN/A
	100	6/ N/#		N/A
5. ASME Code, Section		edition) (addend		(Code Case no.)
•	•			•
6. Pump or valve Va	lve Nomin	al inlet size(in.)	Outlet size	(in.)
		•	Disk AMS-5387 / Bo	tring <u>N/A</u>
7. Material: Body SA	1216-WCB / Bonne	t	/işk	
	(b)	(c)	(d)	(e)
(2)	(D) Nat'l	Body.	Bonnet	Disk
Cert. Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
		1	N/A	HT #1899/
E-660A-1-9/	<u> </u>		N/A	HT #1899
E-660A-1-11/	<u>N/A</u>	4/	N/A	HT #1899
E-660A-1-12/	<u>N/A</u>	10/	N/A	HT #1899/
E-660A-1-13	N/A	11/	N/A	HT #1899/
E-660A-1-14/	N/A	17/	N/A	HT #1899
E-660A-1-15/	N/A	19/	<u>N/A</u>	<u>HT #1899</u>
E-660A-1-16	N/A	21	N/A	HT #1899
E-660A-1-17/	N/A	22	N/A	• HT #1899
E-660A-1-18 /	N/A ·	237	<u>N/A</u>	<u>HT #1899</u>
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* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 % × 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.

(12/86)

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

FORM NPV-1	(back)	
8. Remarks1" - 1500# Y-Globe Valve w/10	* Tee Handle	
Reference S.O. E-660A-1	·	
Reference b.o. 2 coon 2	· · · · ·	<u></u>
9. Design conditions2673psi680	F or valve pressure	class1500#
(pressure) (temperature)) ,	
D. Cold working pressure3705 psi at 100°F		
1. Hydrostatic test5575psi. Disk differential test	pressure4076	
	•.	
	·	
CERTIFICATION	OF DESIGN	
Design Specification certified by Matthew Hober	P.E. State PA	_ Reg. no. 20118E
Design Specification certified by Design Report certified by		_ Reg. no. 039036E
	· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF SHO	P COMPLIANCE	
•	•	
We certify that the statements made in this report are correct and t	hat this pump or valve conforms	to the rules for construct
of the ASME Code, Section III, Division 1. N Certificate of Authorization NoN1712	Expires	4/15/01
	Signed RJ Sto	imment
Date 3 12199 Name Flowserve Corp.	Signed UN OF VOS	ized representative)
IN Ceroncete Holder)	(101.0.	

FOR INFORMATION ONLY

Expires On: \?

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CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the	National Board of Boller and Pressure Vessel Inspectors and and employed by <u>Commercial Union Ins. Co.</u>
of Boston, MA have have	and employed by
2.19 Ct 3.15, 19 99, and state that to th	e inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Certificate Holder has
constructed this pump, or valve, in accordance with the ASME	Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 of loss of any kind arising from or connected with this inspection.

Dete 3-15-99 signed March Commissions _____ Pennsylvania _____ 2392 [Nat'l. Bd. (incl. endorsements) state or prov. and no.) (Authorized Inspector) Charles

(1) For manually operated valves only.

Assigned to: ????

Assigned to: ????		FOR		DNLY			Expires On: \?
P	P&LDMG	Fax:1-610-7	74-6575	•Mar 8'99	15:39	P.03	
Mar-08-88	FORM NPY-1 CE	ERVE WIGHT T ERTIFICATE HOLDER Quired by the Provis	rs' data hepu		R PUMPS C 11, Division		-
-	1. Mánufactures and car	Plouserv theo by 701 Firs	t Streat, HI	lliamsport, P	A 17701		
	2. Manufactured for <u>TH</u>		NA PRO OREN	TOUT RA 1910			-
	3. Location of Installation	a Susquehanne St	azion, 5 mil		LCK ON RT	erwick, PA 1	NE 467
•	4. Model No., Senes Na.			125189 Aw	3-8-99	_ CRN_N/A	-
	. S. ASME Code, Section		(ADDA) (A	Handa arta;) · · · · · · · · · · · · · · · · · · ·	H/A ICana Case ALI	-
	E. Pump or valve Vall	•	-	Ducint s	\$ 0.		- · ·
	7. Matanat Body 37		<u> </u>	- Dire AMS-5387			· · ·
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	Sanai NA,	Sport Na.	· No.	· N		Sanat No.	
	E-660A-1-1	N/A				····	
	E-6603-1-2	<u> </u>	11	<u> </u>		HT_01899	 '.
	R-660A-1-3	¥/λ	14	N/2		RT11899	
	2-660A-1-4	N/A	15	N/2			•
	X-660A-1-3	M/A	- 16	N//		87 41999	
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	2-6601-1-1	<u> </u>	·9	N/A	······································	87 11899	
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Mar	~98-99 11:28am From-FLOWS	ERVE HARPORT T FORM NPV-1	+7173274922	T-233 P.03/01	F-030
·. ·		FORM NEA-1		••	
•					• • • •
•	8. Remerie 1= - 150	QF Y-Globe Valve w/10	" fee mandle		
	Reference	5.0, F-6601-1			
· .				1500t_	
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•	10. Cold working pressure -37	295 pai et 109*F			
• •	11. Instructure 11. 5575	pel. Dust culterencel vost	pressure 4076	, 	
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	Oution Specification certified by Design Report consilied by	T. C. Bartlett	P.C. States <u>PA</u>		
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		CERTIFICATE OF SHO	PCOMPLIANCE	······	
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	-	made in this Mydri are correct orail t	inst this pump or volve contorn	as to the rules for construct	pon
	of the ASME Code. Section BL, I		B	4/15/01	1.
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	Dero 2126199 Name_	Flowadrye Corp.	Gigned W.J. N	Farment	· · ·
		Ol Carillano Holder	(b)(5)		
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		CERTIFICATE OF SHO	op Inspection		
		· · · · · · ·			
	the Sum Arthonia of Penn	All commation leaved by the Na	abonal Board of Boiler and Pr	tal Union In- C	and l
. •	of BOSTOR KA		spected the pump. or verve, 44		— r
•	2-19/20-2-24	13 . Z. Z., and state that to the a	out of my knewledge and boi		
	constructed this pump, or verve	L in accordance with the ASME Co	ide, Section (II, Division 1.		
		Mr the impoctor nor his employer		- a to the first concerning	
	component described in this De	na napari putnamara, nabuy dy	A makes any warrancy, myres: A monastri far his ernelever s	heli be hêcie nî ênv mitine	for i
		damage or a loss of any kind avain			
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Ov	wner				Date	(05/15/2002	
	769 Sa	llem Blvd, Berwig	ck, PA 18603		Sheet	1 0	f <u> </u>	
2. Pla	ant <u>Sus</u>	squehanna Stear		on	Unit		COMMON	
	769 Sa	lem Blvd, Berwi	-			See At	ttached List	
		Address	,			epair Organizati	on P.O. No., Job No., etc.	
3. W	ork Performed by	PPL Sus	squehanna, LL	c	⊺ype Code Sy	mbol Stamp	None	
		lem Blvd, Berwic			Authorization I	No	N/A	
		Address			Expiration Dat	e	N/A	
4. ld	lentification of Syster	n	DIESEL GEN	ERATORS A	ND AUX. SYS	TEM 024	A. CLASS III	
5. (a	a) Applicable Constru	uction Code	<u> </u> 19	71 Edition	, thru W'72	_ Addenda	, Co	
(b) Applicable Edition 	of Section XI Utilize	d for Repairs or Re	eplacements 19	89	CC N-416	-1 (*SEE SHEET 9 &	
6. Id	entification of Compo	onents Repaired or F	Replaced and Repl	acement Compo	nents		·	T
	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)	STEM/DISC ASSEMBLY	YARWAY	A0668	N/A	034037D	1977	REPLACED	YES
2)	STEM/DISC ASSEMBLY	YARWAY	TEZG-B7	N/A	034037D	2000	REPLACEMENT	YES
3)	BACKSEAT BUSHING	YARWAY	A0668	N/A	034037D	1977	REPLACED	YES
4)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	034037D	2000	REPLACEMENT	NO
5)	NTERCOOLER	JOSEPH OAT	2576E	3253	0E505-D1	1999	REPAIRED	YES
6) I	NTERCOOLER	PERFEX	841601-7	5665	0E505-D1	1976	REPLACED	YES
7)	NTERCOOLER	JOSEPH OAT	2576E	3253	0E505-D1	1999	REPLACEMENT	YES

7. Description of Work	SHEET ATTACHED LIST
8. Tests Conducted:	Hydrostatic Pneumatic Nominal Operating Pressure SEE ATTACHED LIST Other Pressurepsi Test Temp°F
NOTE: Supplem tion in items 1 th	ental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informa- rrough 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

(12/82)

recorded at the top of this form.

9. Remarks	CODE DATA REPORT(S) ATTACHED
	Apolicable Manufacturer's Data Reports to be attached
	

GERTIFICATI	ON OF COMPLIAN	ICE	
We certify that the statements made in the report are co		PAIR & confor ACEMENT	ms to the rules of the
SME Code, Section XI.	repair o	r replacement	
Type Code Symbol Stamp	N/A	i ii	
Certificate of Authorization No. N/A	Expiration Date		N/A
Signed Bleelout for	Date	7/2	, 20 02
Owner or Owner's Designee, Title Supv Site Modification	ns Group		
the undersigned, holding a valid commission issued by the Nor Province of <u>PENNSYLVANIA</u> and employed by JOHNSTON, RHODE ISLAND In this Owner's Report during the period <u>S/26/00</u> of the best of my knowledge and belief, the Owner has perform Owner's Report in accordance with the requirements of the AS By signing this certificate neither the Inspector nor his employed in this Owner shall be liable in any manner for any personal injury or propert inspection.	FACTORY MUT ha ha to ha to to co for the section XI. loyer makes any warran r's Report. Furthermor y damage or a loss of a commissions NG 798	UAL INSURANCE ave inspected the co 4/21/02 aken corrective mea ty, expressed or imp e, neither the Inspection ny kind arising from O A, M, E B MJ	COOT mponents described , and state that sures described in this blied, concerning the ctor nor his employer or connected with this PAZZ04
Inspector	National	board, State, Fromin	ce, 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 Susquehanna, LLC.	Date	<u></u>	05/15/	/2002
	769 Salem Blvd, Berwick, PA 18603	Sheet	2	of	10
2. Plant	Susquehanna Steam Electric Station	Unit		COM	MON
	769 Salem Blvd, Berwick, PA 18603			e Attache	ed List
3. Work Pe		Type Code			None
	769 Salem Blvd, Berwick, PA 18603	Authorizati	on No		N/A
	MULESS	Expiration	Date		N/A
4. Indentifi	cation of System DIESEL GENERATORS A	ND AUX. S	YSTEM	024A, CL	ASS III
	licable Construction Code 1971 Edition licable Edition of Section XI Utilized for Repairs or Replacements 19	, thru W'7 89	//00	enda, -416-1 (*SE	Code Case E SHEET 9 & 10)

6. Identification of Components Repaired or Replaced and Replacement Components

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	A CONTRACTOR OF A CONTRACTOR O						
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)
8) INTERCOOLER	PERFEX	924601-2	6054	0E505-D2	1978	REPLACED	YES
9) INTERCOOLER	JOSEPH OAT	2576F	3254	0E505-D2	1999	REPLACEMENT	YES
10) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-3	1982	REPLACED	YES
11) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-3	2000	REPLACEMENT	NO
12) VALVE	YARWAY	6557	N/A	1RV-PI-03438D	1976	REPAIRED	YES
13) VALVE	YARWAY	5982	N/A	2RV-PI-03438D	1976	REPAIRED	YES
14) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-3	1982	REPLACED	YES
15) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-3	2000	REPLACEMENT	NO
16) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-3	1982	REPLACED	YES
17) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-3	2000	REPLACEMENT	NO
18) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-2	1982	REPLACED	YES

1. Owner	PPL Susquehanna, LLC.	Date	05/15/2002		
<u> </u>	769 Salem Blvd, Berwick, PA 18603	Sheet	3	of1	0
2. Plant	Susquehanna Steam Electric Station	Unit		COMMON	
	769 Salem Blvd, Berwick, PA 18603			Attached List zation P.O. No., Job No., e	ətc.
3. Work Pe	PPL Susquehanna, LLC	Type Code	e Symbol Sta	mp No	one
	769 Salem Blvd, Berwick, PA 18603	Authorizat	ion No.	N/A	
		Expiration	Date	N/A	
4. Indentifi	cation of System DIESEL GENERATORS	AND AUX. S	SYSTEM 0	24A, CLASS III	
	blicable Construction Code III 19 71 Edition Dicable Edition of Section XI Utilized for Repairs or Replacements 19	·	//000011	nda,* 16-1 (*SEE SHEET 9	Code Case & 10)
6. Identific	ation of Components Repaired or Replaced and Replacement Comp	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)
19) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-2	2001	REPLACEMENT	NŌ
20) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-2	1982	REPAIRED	YES
21) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-2	1982	REPLACED	YES
22) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-2	2001	REPLACEMENT	NO
23) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-2	1982	REPLACED	YES
24) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-2	2001	REPLACEMENT	NO
25) VALVE	YARWAY	A0310	N/A	034006B	1977	REPAIRED	YES
26) INTERCOOLER BOLTING	PERFEX	1129501-2	7103	OE505E1	1984	REPLACED	YES
27) INTERCOOLER BOLTING	PPL	N/A	N/A	OE505E1	2000	REPLACEMENT	NO
28) INTERCOOLER BOLTING	PERFEX	1129501-1	7102	OE505E2	1984	REPLACED	YES
29) INTERCOOLER BOLTING	PPL	N/A	N/A	OE505E2	2000	REPLACEMENT	NO

1. Owner	Owner PPL Susquehanna, LLC.					Date	<u></u>	05/1	5/2002		
	769 Salem I		k, PA 18603	<u></u>		Sheet	4	of	10		
2. Plant	Susquet	anna Stean	Electric Stat	ion		Unit		CO	MMON		
	769 Salem Blvd, Berwick, PA 18603					See Attached List					
3. Work Pe	. Work Performed by PPL Susquehanna, LLC					Type Code Symbol Stamp Non			e		
	769 Salem I	Blvd, Berwic	k, PA 18603			Authorization No.			N/A		
		,				Expiratio	n Date		N/A		
4. Indentifi	ication of System		DIESEL GEI	NERAT	ORS AN	ID AUX.	SYSTEM	1 024A, (CLASS III		
	blicable Construction plicable Edition of Se							denda, N-416-1 (*S	EE SHEET 9 8	Code Case . 10)	
6. Identific	ation of Components	Repaired or R	eplaced and Rep	blacement	Compone	ents					
										ASME	

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)
30) VALVE	MASONEILAN	N00186-17-5	N/A	011045	1978	REPAIRED	YES
31) LUBE OIL COOLER BOLTING	AMERICAN STANDARD	7-20009-06-1	29144	0E506B	1975	REPLACED	YES
32) LUBE OILCOOLER BOLTING	PPL	N/A	N/A	0E506B	2001	REPLACEMENT	NO
33) JACKET WATER COOLER	AMERICAN STANDARD	7-20009-01-2	29141	0E507B	1975	REPAIRED	YES
34) JACKET WATER COOLER BOLTING	AMERICAN STANDARD	7-20009-01-2	29141	0E507B	1975	REPLACED	YES
35) JACKET WATER COOLER BOLTING	PP&L	N/A	N/A	0E507B	2001	REPLACEMENT	NO
36) SMALL PIPE HANGER	BECHTEL	N/A	N/A	SPHRC9-H2013	1982	REPLACED	NO
37) SMALL PIPE HANGER	PPL	N/A	N/A	SPHRC9-H2013	2001	REPLACEMENT	NO
38) VALVE	YARWAY	A0255	N/A	034009B	1977	REPAIRED	YES
39) INTERCOOLER HEATEXCHANGER BOLTING	JOSEPH OAT	2576D	3243	0E505-B1	1998	REPLACED	YES
40) INTERCOOLER HEATEXCHANGER BOLTING	PPL	N/A	N/A	0E505-B1	2001	REPLACEMENT	NO

1. Owner	1. Owner PPL Susquehanna, LLC					Date 05/15/2002				
	769 Salem Bl	vd, Berwick, PA	18603			Sheet	5	of		10
2. Plant	Susqueha	nna Steam Ele	ctric Statio	n		Unit		COM	IMON	
<u> </u>	769 Salem Blv	/d, Berwick, PA Address	18603				-	ee Attach		etc.
3. Work Per	formed by	PPL Susqueh		;		Type Code	e Symbol	Stamp	N	one
	769 Salem Bl	vd, Berwick, PA	18603			Authorizati	ion No.		N/A	
						Expiration	Date		N/A	
4. Indentific	cation of System	DIE	SEL GEN	ERAT	ORS AN	ND AUX. S	SYSTEM	1 024A, C	LASS III	
5. (a) Appl (b) App	licable Construction Co licable Edition of Secti	on XI Utilized for R				thru W'7 89		denda, N-416-1 (*Si	EE SHEET	_ Code Case 9 & 10)
6. Identifica	ation of Components P	Repaired or Replace	ed and Repla	cemen	t Compone	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)
41) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-2	1982	REPLACED	YES
42) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-2	2001	REPLACEMENT	NO
43) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-2	1982	REPLACED	YES
44) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-2	2001	REPLACEMENT	NO
45) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-1	1982	REPLACED	YES
46) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-1	2001	REPLACEMENT	NO
47) VALVE	MASONEILAN	N00186-18-2	N/A	011050	1978	REPLACED	YES
48) VALVE	FLOWSERVE	E378-T-4-1	N/A	011050	2001	REPLACEMENT	YES
49) VALVE	MASONEILAN	N00186-17-1	N/A	011042	1978	REPLACED	YES
50) VALVE	FLOWSERVE	E378-T-1-1	N/A	011042	2001	REPLACEMENT	YES
51) VALVE	MASONEILAN	N00186-17-2	N/A	011041	1978	REPLACED	YES

1. Owner	PPL Susquehanna, LLC.		Date		05/15	5/2002	
	769 Salem Blvd, Berwick, PA 18603		Sheet	6	of	10	
2. Plant	Susquehanna Steam Electric Stati	ion	Unit		COM		
<u> </u>	769 Salem Blvd, Berwick, PA 18603		. <u> </u>		e Attach	ed List	
3. Work Per	3. Work Performed by PPL Susquehanna, LLC			Type Code Symbol Stamp			
	769 Salem Blvd, Berwick, PA 18603		Authoriz	ation No.	- <u></u>	N/A	
			Expiratio	n Date		N/A	
4. Indentific	cation of System DIESEL GEI	NERATORS AN	<u>ND AUX.</u>	SYSTEM	024A, C		
5. (a) Appl (b) App	licable Construction Code1111 licable Edition of Section XI Utilized for Repairs or R				denda, N-416-1 (*S	Co EE SHEET 9 & 1	de Case))
6. Identifica	ation of Components Repaired or Replaced and Rep	lacement Compon	ents				
[ASME

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)
52) VALVE	FLOWSERVE	E378-T-1-2	N/A	011041	2001	REPLACEMENT	YES
53) VALVE	MASONEILAN	N00186-18-1	N/A	011049	1978	REPLACED	YES
54) VALVE	FLOWSERVE	E378-T-4-2	N/A	011049	2001	REPLACEMENT	YES
55) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-1	1982	REPLACED	YES
56) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-1	2001	REPLACEMENT	NO
57) LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-3-1	1982	REPLACED	YES
58) LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	HRC-3-1	2001	REPLACEMENT	NO
59) VALVE	YARWAY	A0419	N/A	034009C	1977	REPAIRED	YES
60) JACKET WATER COOLER (TUBE PLUGS)	AMERICAN STANDARD	7-20009-01-1	29140	0E507C	1975	REPAIRED	YES
61) JACKET WATER COOLER BOLTING	AMERICAN STANDARD	7-20009-01-1	29140	0E507C	1975	REPLACED	YES
62) JACKET WATER COOLER BOLTING	PP&L	N/A	N/A	0E507C	2001	REPLACEMENT	NO

1. Owner	PPL Susquehanna, LLC.	Date	05/15/2002				
	769 Salem Blvd, Berwick, PA 18603	Sheet	of	10			
2. Plant	Susquehanna Steam Electric Station	Unit	CO	MMON			
	769 Salem Blvd, Berwick, PA 18603		See Attached List Repair Organization P.O. No., Job No., etc.				
3. Work Per	formed by PPL Susquehanna, LLC	Type Code S	Symbol Stamp	None			
	769 Salem Blvd, Berwick, PA 18603	Authorization	Authorization No.				
		Expiration D	ate	N/A			
4. Indentifi	cation of System DIESEL GENERA	TORS AND AUX. SY	STEM 024A,	CLASS III			
5. (a) App		Edition,thru W'72 ments 1989		Code Case SEE SHEET 9 & 10)			
6. Identifica	ation of Components Repaired or Replaced and Replaceme	ent Components					

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)
63) LUBE OIL COOLER BOLTING	AMERICAN STANDARD	7-20009-06-3	29146	0E506C	1975	REPLACED	YES
64) LUBE OILCOOLER BOLTING	PPL	N/A	N/A	0E506C	2001	REPLACEMENT	NO
65) INTERCOOLER BOLTING	JOSEPH OAT	2576B	3241	0E505-C1	1998	REPLACED	YES
66) INTERCOOLER BOLTING	PPL	N/A	N/A	0E505-C1	2001	REPLACEMENT	YES
67) INTERCOOLER BOLTING	JOSEPH OAT	2576A	3240	0E505-C2	1998	REPLACED	YES
68) INTERCOOLER BOLTING	PPL	N/A	N/A	0E505-C2	2001	REPLACEMENT	YES
69) JACKET WATER COOLER BOLTING	AMERICAN STANDARD	7-20009-01-3	29142	0E507A	1975	REPLACED	YES
70) JACKET WATER COOLER BOLTING	PPL	N/A	N/A	0E507A	2001	REPLACEMENT	NO
71) LUBE OIL COOLER BOLTING	AMERICAN STANDARD	7-20009-06-2	29145	0E506A	1975	REPLACED	YES
72) LUBE OILCOOLER BOLTING	PPL	N/A	N/A	0E506A	2001	REPLACEMENT	NO
73) HEAT EXCH BOLTING	SENIOR ENGINEERING	14455-01-2	8302	OE505A1	1994	REPLACED	YES

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

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1. Owner	PPL Susquehanna, LLC.	Date		05/15	/2002	
	769 Salem Blvd, Berwick, PA 18603	Sheet	8	of	10	
2. Plant	Susquehanna Steam Electric Station	Unit		COM	MON	
	769 Salem Blvd, Berwick, PA 18603		-	ee Attach	ed List	
3. Work Per		Type Code	Symbol	Stamp	None	
	769 Salem Blvd, Berwick, PA 18603	Authorization No.			N/A	
	Auliass	Expiration	Date		N/A	
4 Indentific	cation of System DIESEL GENERATOR	RS AND AUX. S	YSTEN	<u>1 024A, C</u>	LASS III	
E (a) Appl		dition, thru W'7	72Ad	denda,	* Code Case	
6. Identifica	ation of Components Repaired or Replaced and Replacement Co	omponents				

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)
74) HEAT EXCH BOLTING	PPL	N/A	N/A	OE505A1	2001	REPLACEMENT	NÔ
75) HEAT EXCH BOLTING	SENIOR ENGINEERING	14455-01-1	8301	OE505A2	1994	REPLACED	YES
76) HEAT EXCH BOLTING	PPL	N/A	N/A	OE505A2	2001	REPLACEMENT	NO
77) LARGE PIPE ASSEMBLY BOLTING	COOPER BESSEMER	03-A189	N/A	KS V 91 - 15AA	1976	REPLACED	YES
78) LARGE PIPE ASSEMBLY BOLTING	PP&L	N/A	N/A	KS V 91 - 15AA	2001	REPLACEMENT	NO
79) VALVE	AMOT CONTROLS	N137	N/A	TCV-03412E	1984	REPAIRED	YES
80) VALVE (BOLTING)	AMOT CONTROLS	N137	N/A	TCV-03412E	1984	REPLACED	YES
81) VALVE (BOLTING)	PP&L	N/A	N/A	TCV-03412E	2001	REPLACEMENT	NÖ

1. Owne	r	PPL Susquehanna, LLC	Date		05/15/2002		
	769 Sale	m Blvd, Berwick, PA 18603	Sheet	9	of10		
2. Plant	Susq	uehanna Steam Electric Station	UnitCOMMON				
	769 Salei	m Blvd, Berwick, PA 18603	<u></u>	LIST BELOW zation P.O. No., Job No., etc.			
3. Work	Performed by	PPL Susquehanna, LLC	Type Cod	e Symbol Sta	mp None		
	769 Sale	m Blvd, Berwick, PA 18603	Authorizat	ion No.	N/A		
		AUU 835	Expiration	Date	N/A		
4. Inder	ntification of System	DIESEL GENERATORS	AND AUX. S	SYSTEM 0	24A, CLASS III		
	Applicable Construct		on Thru W	72 Adden	da. N/A* Code Case		
5. (a) / (b) /	Applicable Edition of	f Section XI Utilized for Repairs or Replacements 1			16-1 (*SEE BELOW)		
		ents Repaired or Replaced and Replacement Com					
ITEM(S)	WORK AUTH.	DESCRIPTION OF WORK	DESCRIP TES	TS	CODE EDITION/ADD (ASME SECT. III)		
1-4	105319	034037D, REPLACED VALVE DISC AND BACKSEAT BUSHING	NON VT-2 PE	R MI-PS-008	ORIG VALVE '74 ED W' 74 ADD REPLACE PART(S) 86 ED NO ADD		
5	103400	0E505-D-1, REPAIRED HEAT EXCHANGER BY INSTALLING TUBE PLUGS	NON VT-2 PE	R MI-PS-008	HEAT EXCH, SEC III ' 74 ED SUM 74 ADD		
6-9	103400	0E505D1 & OE505D2, REPLACED HEAT EXCHANGERS WITH NEW	VT-2 PER SE-0 70°F/ PRESS	5 133 PSIG	ORIG AND REPLACE HEAT EXCH, SEC III ' 74 ED SUM 74 ADD		
10-11	196556	HRC3-3, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011048	VT-2 PER SE-0 70°F/ PRESS		'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT		
12-13	105510	1RV-PI-03438D & 2RV-PI-03438D, REPAIRED VALVE BY MACHINING STEM/DISC ASSEMBLY	NON VT-2 PE	R MI-PS-008	1974 ED WINTER 1974 ADD		
14-15	196360	HRC3-3, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011047	VT-2 PER SE-0 70°F/ PRES		'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT		
16-17	196361	HRC3-3, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011052	VT-2 PER SE-0 70°F/ PRES	00-017 TEMP S 133 PSIG	'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT		
18-19	196362	HRC3-2, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011045	VT-2 PER SE-0 33°F/ PRES		'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT		
20-22	196559	HRC3-2, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011046 AND REPLACED	VT-2 PER SE-0 33 °F/ PRES	54-301 TEMP	'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT		
23-24	196570	ORIGINAL PIPING CODE DATA PLATE. HRC3-2, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011051.	VT-2 PER SE-0 33°F/ PRES	54-301 TEMP S 127 PSIG	'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT		
25	232160	034006B, REPAIRED VALVE BY MACHINING STEM/DISC ASSEMBLY	NON VT-2 PE	R MI-PS-008	1974 ED WINTER 1974 ADD		
26-29	241584	0E505E1 & 0E505E2, REPLACED HEAT EXCHANGER BOLTING	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III 80 ED SUM 81 ADD		
30	196362	011045, REPAIRED VALVE BY TACK WELDING DISC PIN DURING SOFT SEAT REPLACEMENT	NON VT-2 PE	R MI-PS-008	1974 ED WINTER '75 ADD		
31-32	261376	0E506B, REPLACED HEAT EXCHANGER BOLTING	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD		
33-37	261375	0E507B, REPAIRED HEAT EXCHANGER AREAS OF CORROSION BY WELDING AND REPLACED BOLTING. SPHRC9-H2013 CLIP WAS REMOVED AND REPLACED FOR ACCESS	VT-2 PER SE-0 54°F/ PRES				
38	218215	034009B, REPAIRED VALVE BY MACHINING STEM/DISC ASSEMBLY	NON VT-2 PE	R MI-PS-008	1974 ED WINTER 1974 ADD		
39-40	261374	0E505-B1, REPLACED HEAT EXCH BOLTING	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD		

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

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1. Owner	r	PPL Susquehanna, LLC	Date		05/15/2002
		Name Net Bonwick DA 18603	Sheet	10	of 10
	769 Saler	n Blvd, Berwick, PA 18603	Glieet		· · · · · · · · · · · · · · · · · · ·
2. Plant	Susqu	uehanna Steam Electric Station	Unit		COMMON
		Name		SER	
<u> </u>	769 Saler	n Blvd, Berwick, PA 18603 Address		Repair Organia	zation P.O. No., Job No., etc.
3. Work	Performed by	PPL Susquehanna, LLC	Type Code	e Symbol Sta	mp None
	769 Salei	n Blvd, Berwick, PA 18603	Authorizat	ion No.	N/A
		Address	Expiration	Date	N/A
		DIESEL GENERATORS	AND AUX. S	SYSTEM 0	24A, CLASS III
	ntification of System				
5. (a) A	Applicable Construct	ion Code ASME Sec III * 19 71 Editi	on,		16-1 (*SEE BELOW)
		Section XI Utilized for Repairs or Replacements 1		0014-4	
6. Ident	tification of Compone	ents Repaired or Replaced and Replacement Com	ponents		
ITEM(S)	WORK AUTH.	DESCRIPTION OF WORK	DESCRIP		CODE EDITION/ADD (ASME SECT. III)
41-42	196569	HRC3-2, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011044	VT-2 PER SE-0 73°F/ PRESS		'71 ED W'72, USE OF CC N-416-1 DURING REPLACEMENT
43-44	196554	HRC3-2, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011050	VT-2 PER SE-0 73°F/ PRESS	00-017 TEMP	'71 ED W'72, USE OF CC N-416- DURING REPLACEMENT
45-46	196561	HRC3-1, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011042	VT-2 PER SE-0 59 °F/ PRES	00-017 TEMP	'71 ED W'72, USE OF CC N-416- DURING REPLACEMENT
47-48	315400	011050, REPLACED VALVE WITH NEW	VT-2 PER SE-0 73°F/ PRES	00-017 TEMP	
49-50	315401	STAINLESS STEEL VALVE 011042, REPLACED VALVE WITH NEW	VT-2 PER SE-0	00-017 TEMP	
51-52	334776	STAINLESS STEEL VALVE 011041, REPLACED VALVE WITH NEW	59 °F/ PRES VT-2 PER SE-C	00-017 TEMP	ORIGINAL & REPLACEMENT
53-54	334786	STAINLESS STEEL VALVE 011049, REPLACED VALVE WITH NEW	59 °F/ PRES VT-2 PER SE-0		
30-04		STAINLESS STEEL VALVE	59 °F/ PRES VT-2 PER SE-0		VALVE '74 ED W'75 '71 ED W'72, USE OF CC N-416-
55-56	196356	HRC3-1, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011049	59 °F/ PRES	S 126 PSIG	DURING REPLACEMENT
57-58	196359	HRC3-1, REPLACED PIPE AND FLANGE DOWNSTREAM OF 011041	VT-2 PER SE-0 59°F/PRES		71 ED W'72, USE OF CC N-416- DURING REPLACEMENT
59	292830	034009C, REPAIRED VALVE BY MACHINING	NON VT-2 PE		1974 ED WINTER 1974 ADD
60-62	285447	0E507C, REPAIRED HT EXCH BY INSTALLING TUBE PLUGS & REPLACED BOLTING.	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD
63-64	285448	0E506C, REPLACED BOLTING DUE TO CORROSION.	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD
65-68	285446	OE505C1 & OE505C2, REPLACED BOLTING DUE TO CORROSION.	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD
6 9 -70	328075	OE507A, REPLACED BOLTING DUE TO CORROSION.	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD
71-72	358187	OE506A, REPLACED BOLTING DUE TO CORROSION.	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III '74 ED SUM 74 ADD
73-76	328076	OE505A1 & OE505A2, REPLACED BOLTING	NON VT-2 PE	R MI-PS-008	HEAT EXCHANGER, SEC III 74 ED SUM 74 ADD CC 242
77-78	328076	DUE TO CORROSION. KS V 91-55, REPLACED BOLTING ON DIESEL	NON VT-2 PE	R MI-PS-008	'74 ED WINTER ' 74 ADD
		SKID MOUNTED PIPING. TCV-03412E, MACHINED SEAT AREA AND	VT-2 PER SE-	000-017 TEMF	'80 ED WINTER '81 ADD
79-81	367274	REPLACED BOLTING.	130°F/PRE	SS 17 PSIG	

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS* As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. <u>1</u> of <u>1</u>

			,							
►1.	Manuf	actured and certifi	ed by JOSE	eph Oat	. Corpora	tion, 2	500 Broadw	ay, Cander	<u>n, N.J. O</u>	8104
	Manuf	actured for	oper Energ	gy Serv	rices, 15		and address of N Ce In Avenue,		LY, PA.	
						(name and	address of purchase	er)		
3.	Locatio	on of installation _	Susquehar	nna Ste	am Elect		tion, PA.			<u> </u>
4.	Type: .	HORIZ.	Heat Exc	hanger	257	<u>6E -</u>	<u> </u>	-11892.01/	1 3253	1999
										t) ivear Suit)
5.	ASME	Code, Section III, I	Division 1:	leditic	/4	- Sumer laccence	/4 la date)	(Code Case no		 (ciassi
lten	ns ã-10	inclusive to be co	mpleted for sin	gle wall ve	essels, jacket:	s of jacketed	i vessels, or she	ells of heat exch	angers.	
	Shell: .	(mat'l, spec, no.)		rengini	loom, thickne	ss (in.)] (n	nin, design thickness	L (m.)] (dia.)() (It & in.)]	liength loverails sts & e
7.	Seams	(lang.)	(HT')	IRT		ett. %	(girth)	(HT')	(RT)	ino. al courses
8.	Heads:	[lal matil, sp	ec. na.)		(tensile strengta)		[(b) mat ⁻¹ .	spec. no.]	lter	isile strength
		Lacation (top. bottom, ends)	Thickness	Crown Radius	Kouckle Radius	Elliptical Ratio	Conical Agex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure Iconvex or concave
	(a)					<u> </u>				
	(6)									
	If remo	vable, bolts used _		<u></u>	ec. no., size, quai		Oth	er fastening		
				,		((()))			ldescribe of	attach sketchi
_								ns, describe or sketcr		
•	Design	pressure ²	at max, tem	p	Min. pres	sure-test te	mp	. Pneu., hydro.,	or comb. test	pressure
		103-1		(*F)			1*#1			(35-)
eπ	s II an	d 12 to be complet	ed for tube sec	tions.						
		SB17	1-706	2	0" v 21	25"	1	375	MET	DED
1.	Tubesh	eets: <u>SB17</u>	, mat'l, spec, no.1		9" x 21.	2.J press.H	[. 373 ness (in.i)		IDED
•		•	matil, spec. no.1		(dia. (in.))			ness (in.)]		ittachmenti
2.	Tubes:	SB111-706		.375		.035	···	423	<u>s</u>	TRAIGHT
		(mat'l, spec, no.)	100 un.11	(1	nickness (inche:	s or gagell	(00.)	t:-	rpe (straight or U)[
2/7	os 13 ro	16 inclusive to be c	completed for in	nner cham	bers of jacke	ed vessels,	or channels of i	heat exchangers		_
~	Carlle	SB171-706	40 k	si	1.75/1	.50	1.366	2'-4">	(1'-9.25'	' 3'-3.25
J.	Shell: _	(mat'l, spec, no.)	itensile str	engini	Inam, thickne		n, design thickness	[in.]] [dia. IO (ength (overal) (ft 5 m.
4.	Seams:									
		long, (welded, dbl., sin	•	-	(RT)	teff, S il	(girth)	(HT')	(RT)	ino. of courses
5.	Heads: .	SB171-706	40 k		SB171-		40 ksi	[ic) mat'l.	spec. no.	Itensile strengthi
	[Location	Thickness	Crawn Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemisonerical Radius	Flat Diameter	Side to Pressure Iconvex or concave
	(a) Top	, bottom, ends	2.25						28.25x20.5	
	151 Cha		1.50						28.25.20.5	
	(c) Floa	ating								
	If remov	able, bolts used <u>S</u>	A193-B7,.	5", 154	4/SA194-2	<u>2H, .5",</u>	154	Other faste	ning	
_				fmati	1. SDEC. NO., SHEE.	quantity)			icescr	De or attach sketchr
										•
-		cressure ²		Mir		st temp		eu., hydro., or c	omb. test pre:	•

. Till post weid nest treated. Fuist other internal or external pressure with coincident temperature when applicable.

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

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This form (E00033) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300,

FORM N-1 (back)

146-	Serial	No	2576E
14111	Scriar		

Purpose lintet. outlet, drum, etc."	Quantity	Ola, or Size	Type	How Attached	stat").	Thickness	Reinforcement Material	Location
	1 2	3"	RF	WELDED	\$8466-7061	.216"	SELF	
IN/00"	1 2	1.25	CPLG	WELDED	53171-706	.295	SELF	
			1		1 1		l	<u> </u>
L	<u> </u>	1		<u> </u>	1			
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Supports: Skirt		uantity) Legs	lquantity)	ther describe	Attached		(where & how)	
Remarks:								
								
	Deve		CERTIFIC	ATION OF DE	SIGN	WI	Reg. no. <u>E-</u> Reg. no. <u>25</u>	18378
ign specification cert		id H. Prit:			P.E	DA	Reg. no	6077E
ign report certified by	Rober	t Slebodnio	CK	_ _ _	P.6	. State	Reg. no	
				OF SHOP CO	MPLIANCE			
certify that the state			orrect and	that this nuc	lear vessel cor	nforms to the i	ules for constructi	on of the AS
		this report are c	0.1000 2.10					
e. Section III, Divisio		N-1488			Expire	<u>. 08</u>	/23/2000	
rtificate of Authoriz	ation No	seph Oat C	orcorat	ion	Signed	<u> </u>	talt	
1129/99	Name JO:		ate Holderi			lau	thorized representative!	<u> </u>
		CEP	RTIFICATE	OF SHOP IN	SPECTION			
he undersigned, holdi	ng a valid commi	ission issued by	the Nation	al Board of Bo	iler and Press	ure Vessel Insp	ectors and the Sta	te or Province
he undersigned, holdi NJ	ned amployed	ission issued by	the Nation	al Board of Bo vion Insu	niler and Presso rance Com	<u></u>		
NJ	_ and employed	ission issued by by <u>Conner</u> Boston, I	the Nation Cial Ur MA.	al Board of Bo vion Insu	niler and Press rance Corr have inspected	d the component	ent described in thi	s Data Report
NJ 1-25-79	and employed of . , and state t	ission issued by by <u>Contrero</u> Boston, I that to the best o	the Nation Cial Ur MA.	al Board of Bo vion Insu	niler and Press rance Corr have inspected	d the component		s Data Report
NJ 1-25-99	and employed of . , and state t	ission issued by by <u>Contrert</u> Boston, 1 that to the best of	the Nation Cial Ur MA. of my know	al Board of Bo <u>vion Insu</u> vledge and be	iler and Press rance Corr have inspecte ief, the Certifi	ed the componi cate Holder has	ent described in thi s constructed this c	s Data Report component in
NJ /- 25-7 9 redance with the ASME	and employed of . , and state t E Code, Section I	ission issued by by <u>Contrert</u> Boston, I that to the best of II, Division 1.	the Nation Cial Ur MA. of my know	al Board of Bo <u>ion Insu</u> vledge and be	niler and Press rance Com have inspected ief, the Certificanty, expressed	d or implied, co	ent described in thi s constructed this c oncerning the comp	s Data Report component in ponent descrii
NJ 1-25-79 redance with the ASME	and employed of . , and state t E Code, Section I	ission issued by by <u>Contrert</u> Boston, I that to the best of II, Division 1.	the Nation Cial Ur MA. of my know	al Board of Bo <u>ion Insu</u> vledge and be	niler and Press rance Com have inspected ief, the Certificanty, expressed	d or implied, co	ent described in thi s constructed this c oncerning the comp	s Data Report component in ponent descrii
NJ /- JS-9 9 redance with the ASME signing this certificat this Data Report. Furt	and employed and employed and state t Code, Section I e neither the insy hermore, neither	ission issued by by <u>Contrert</u> Boston, I that to the best of II, Division 1. pector nor his en the inspector no	the Nation Cial Ur MA. of my know nployer ma	al Board of Bo <u>ion Insu</u> vledge and be	piler and Pressi <u>rance Com</u> , have inspecte lief, the Certifi anty, expresse lable in any ma	d the componi- cate Holder has d or implied, co- inner for any po-	ent described in thi s constructed this o poncerning the comp ersonal injury or pro	s Data Report component in ponent descrii operty damagi
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FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS* Pg. <u>1</u> of <u>1</u> As Required by the Provisions of the ASME Code, Section III, Division 1

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	Manufac	tured and certified	by Joset	on vat i	Corcorat.	10(1, 200 Iname and	address at N Certific	Cate Holder		<u> </u>
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2.	Manufac	tured for	er Energy	/ Servio	ces, 150		ress of purchaser	nove erer	/	
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						ferd.			2254	1000
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F	1 C 1 E C	ode, Section III, Div	vision 1:	197	4	Summer	74	(Code Case no.)	•	
э.				(edition)	•	laddenda d	jate)	(Loce Case no.)		
	- 5 101	nclusive to be comp	pleted for sing	le wall ves.	sels, jackets	of jacketed v	essels, or shells	of heat exchar	gers.	
i (em.	50-101			-						
~	C S - U									ngth (overal) ift \$ m.11
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		Hob. Bottom, ends								
	(a)									
	(6)					!			<u>. </u>	
	If remov	able, bolts used			c. no., size, guan		Other	fastening	Idescribe or a	Itach sketchi
				(mac), 3941						
9.	Jacket	:losure:						, describe ar sketchi		
	0	pressure ²	at max tem		Min. pres	sure-test tem	np	Pneu., hydro., d	r comb. test p	ressure
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ltern	s 11 and	d 12 to be complete	d for tube sec	tions.						
					-11				WEL	NFD
11.	Tubesh	eets:SB171	-706	2	<u>9 x 21.</u>	25	l	375		nt iwelcec. toitecil
• • •		(stationary,	mat'l, spec, no.1	I	cia, in, (subject to	37455.1				
								ess (in, 1)		tiachmenti
•		thoating, n	nat'i, spec, no.)		(dia, lin.)					
• •	Tubar	SB111-706		.375		.035"	l 	423		IRAIGHT
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		16 inclusive to be c	and losed for i	aner cham	hars of jacke	red vessels.	or channels of h	eat exchangers		
Item	ns 13 to	16 inclusive to be c	ompieteo tor i	nner Chann	Ders Di jacke					
		SB171-706	40 }	csi	1.75/1	.50	1.366	2'-4">	:1' <u>-9.25'</u>	3'-3.25"
13.	Shell: _	SB171-706	Itensie st		Inom, thickne		n, design thickness l		t. & in.)] (l	ength loverail) (ft & m.3)
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		liong. Iwelded, dbl., sin								
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	Mander			trengthi	(thi mat'l, si	pec. no.	(tensile strength)	(Ici mat i.	3D45. NO.1	
13.	Heads:	lial mat'l, spec, no.)	(tensile 1			1	1		Flat	
13.	Heads:	(ia) mat'l, spec, no.)	[[ensile 1	Crewn	Knuckle	Elliptical	Conical	Hemispheric 3		Side to Pressure
13.	Heads:	(lai mat'l, spec, no.)	Thickness	Crown Radius	Kouckie Radius	Elliptical Ratio	Conical Agex Angle	Radius	Diameter	Side to Pressure Iconvex or concavel
13.		Location	Thickness			-			Diameter	
13.	(a) Top	Location p, battom, ends	Thickness 2.25	Aadius	Radius	-	Ages Angle			
13.	(a) Top (b) Ch	Location p, bottom, ends annel	Thickness 2.25 1.50	Aadius	Radius	-	Ages Angle			
13.	(a) Top	Location p, bottom, ends annel	Thickness 2.25	Aadius	Radius	Ratio	Ages Angle			
13.	(a) Top (b) Ch (c) Flo	Location p, bottom, ends annel ating	Thickness 2.25 1.50	Radius	Radius	Ratio	Apec Angle	Radius	28.25×20.9 28.25×20.9	
13.	(a) Top (b) Ch (c) Flo	Location p, bottom, ends annel ating	Thickness 2.25 1.50	Radius	Radius	Ratio	Apec Angle		28.25×20.9 28.25×20.9	
-	(a) Tor (b) Ch (c) Flo	Location p, bottom, ends annel ating vable, bolts used	Thickness 2.25 1.50 CA193-B7,	Radius .5", 15 (main	Aacius	Ratio	Aper Angle	Radius Other faste	128.25x20.1 128.25x20.1 1	
-	(a) Tor (b) Ch (c) Flo	Location p, bottom, ends annel ating vable, bolts used	Thickness 2.25 1.50 CA193-B7,	Radius .5", 15 (main	Aacius	Ratio	Aper Angle	Radius Other faste	128.25x20.1 128.25x20.1 1	
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*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report substemental information at each sheet is numbered and number of sheets is recorded at top of this form.

This form (EC0038) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-1 (back)

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2576F Mfr. Serial No. _

		openings:						
Purpose liniet, outlet, drain, etc.)	Cuantity	Dia, or Size	Type	Haw Attached	Mat'l.	Thickness	Reinforcement Material	Lacation
	2	3"	RF	WELDED	\$8466-706	.216''	SELF	
TV/CUT	2	1.25	CPLG	WELDED	58171-706	.295	SELF	
IN/CUT	<u> </u>							
L	<u> </u>	· · · · · · · · · · · · · · · · · · ·						
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L		<u> </u>						
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(ye)								
Remarks:								
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sign specification cert	Theo by	t Slebodnio			P.8	. State <u>PA</u>	Reg. no. <u>E</u> Reg. no. <u>2</u>	5077E
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				OF SHOP CO	MPLIANCE			
e certify that the state		CER	TIFICATE	of shor ee	lear vessel coi	forms to the	rules for construct	ion of the Al
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de. Section III, Divisio	n 1.				Engine	. 08	/23/2000	
rtificate of Authoriz		<u>N-1488</u>			Expire	193	Rel	5
1/29/99	Name JO	seph Oat C	OTPOTAL	<u></u>	_ Signed	ل <u>ب الالمال</u>	thorized representativel	
		fue Centine						
		CEF		OF SHOP IN	ISPECTION	ure Vessel Insp	pectors and the Sta	ate or Provinc
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NJ	and employed	ission issued by by <u>Conner</u> Boston	TIFICATE the Nation cial Ur	al Board of B nion Insu	piler and Press trance Cont have inspection	ed the compon	ent described in th	is Data Repo
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FOR INFORMATION ONLY

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	NUCLEAR PARTS A Required by the Provision	RS' DATA REPORT FOR I ND APPURTENANCES* ns of the ASME Code, Sec ne Day's Production	tion III	1 of _1
Manufactured and certified byY		O NORRISTOWN ROAD, BLU	E BELL, PA 19422-0760	I <u></u>
Manufactured for FRAM	MATOME TECHNOLOGIES, I	LYNCHBURG, VA 24506 (name and address of purchaser)	·	
Location of installationSTO	CK	(name and address)		
Type969155-06	AMS5385E (disc)	•	N/A (CRM)	
(drawing no.) ASME Code, Section III:	1986		1/	(Code Case no.)
Fabricated in accordance with Const	(notibe)	(addenda date) t	class) Date	(Code Case no.)
CONSTRUCTION DATA WITH THE DI Nom. thickness (in.) When applicable, Certificate Holders	in. design thickness (in.)	Dia. 1D (ft. & in.)		l (ft. & in.)
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtu Serial Num		lational Board No. Numerical Order
 (1) TEZG-81 (2) TEZG-82 (3) TEZG-83 (4) TEZG-84 		(26) (27) (28) (29)		
(5) TEZG-85/ (6) TEZG-86/ (7) TEZG-87/ (8) TEZG-88/ (9) TEZG-89/ (10) (11) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (41) (42) (43) (44) (45) (44) (45) (46) (47) (48) (49) (50)		FTI OP SU PBG

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	FORM N-2 (bac	И	• .
		•	
·		Mfr. Seri	al No. <u>SEE FRONT</u>
	CERTIFICATION OF D	ESIGN	
Design specifications certified by	(SEE REMARKS) (vhin systemic)	P.E. State	Reg. no,
Design report* certified by	N/A (when applicable)	P.E. State	Reg. no
	CERTIFICATE OF SHOP CO	DMPLIANCE	
We certify that the statements made in conforms to the rules of construction or	this report are correct and that this (these) I the ASME Code, Section III.	STEM AND DISC ASSEME	LY. 1 INCH
NPT Certificate of Authorization No.	N-2450	Expires Novembe	r <u>, 14, 2001</u>
Date 4/6/00		Signed like P	1) The
	(NPT Certificate Holder)	(suthorized)	ad representative)
		·	
	CERTIFICATE OF SHOP IN	SPECTION	tura.
	mission issued by the National Board of Boile		
	and employed by FACTOF pected these items described in this Data Re		ANY
and state that to the best of my knowle	dge and belief, the Certificate Holder has fab	nicated these parts or appurtenan	ces in accordance with the
ASME Code, Section III. Each part iss By signing this certificate, neither the in	ed has been authorized for stamping on the spector nor his employer makes any warran	date snown above. tv. expressed or implied, concerni	ing the equipment described
this Data Report, Furthermore, neither	the inspector nor his employer shall be liable	e in any manner for any personal i	njury or property damage or
loss of any kind arising from or connect	ued with this inspection.		·
Date <u>04/06/00</u> Signed <u>4</u>	Authorized Inspector)	Commissions <u>PAZ384</u>	<u>/V</u>
		(rest. id. (nci. en	ucraements; suce or prov. and no.)
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FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

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	As Required 1	by the Provisions of the	e ASME Code Rul	es 	
Manufactured by	Flowserve Corporation, 70		ort, PA 17701	Order No	E378T
	ا Name ۵) Pennsylvania Power & Ligl	Address of Manufacturer)			
	<u>2 North Ninth Street, Allen</u>			.	0-15387-1
Manufactured for	r	(Name and Address)		_ Urder No	
Owner	ylvania Power & Light Compa				
Location of Pla	Susquehanna, 5 miles NE	of Berwick on US Rt. 1	1, P.O. Box 467, Be	rwick, PA 186	603
Pump or Valve l	E378T-1-2	/			
	4"-150# Butter	rfly Valve			
<u>_,</u>	(Brief descript	ion of service for which equ	ipment was designed)		
			· · · · · · · · · · · · · · · · ·		
(a) Drawing No.	2498-00-48 R/G	Flowserv Prepared by	e Corporation		
	N/A				
(b) National Bos	ard No	200			
Design Conditio	240 275 (Pressure)	100	°F		
, Design Conditio	(Pressure)	(Temperatur	e)		_
	esign, construction, and workn				2
	esign, construction, and workn 1974, Addenda Date				2
					2 Remarks
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974 , Addenda Date	Winter '75	Case No		
Edition	1974, Addenda Date Mark No.	Winter '75	Case No		
Edition	1974, Addenda Date Mark No.	Winter '75	Case No		
Edition	1974, Addenda Date Mark No.	Winter '75	Case No		
Edition	1974, Addenda Date Mark No.	Winter '75	Case No		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No		
Edition	1974, Addenda Date Mark No.	Winter '75	Case No		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		
Edition (a) Castings N/A	1974, Addenda Date Mark No.	Winter '75	Case No Manufacturer		

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting			
	N/A			
			· · · · · · · · · · · · · · · · · · ·	
(d)	Other Parts			
	Body Ht. #792286	SA240-316	Mid-South Nuclear Inc.	
	S/N #2			
	D: 11. #207100	SA479-316	Mid-South Nuclear Inc.	
	Disc Ht.#307100	5A479-310	Mid-South Nuclear Inc.	
	<u>S/N #2</u>			
			<u> </u>	
		· · · · · · · · · · · · · · · · · · ·		
8. Hydro	static test psi	•		
· ·		ERTIFICATION OF		
Desien	information on file at Flowserve Corpo	ration, 701 First Street	, Williamsport, PA 17701	
S	analysis report on file at N/A			
Design	specifications certified by	Dale Sattar	(1) Prof. Eng. State_	<u>PA</u> Reg. No. <u>013525E</u>
Stress	analysis report certified by <u>N/A</u>		(1) Prof. Eng. State	
(1) Sig	nature not required. List name only.			
	tify that the statements made in this repo		6 Q	H
Date	8/16/01 . Signed	Flowserve Corpor	ation By Kar	Stannet
		(Manwacturer)		
Certifi	cate of Authorization No	expires4/1	5/04	
L				· · · · · · · · · · · · · · · · · · ·
ſ				V.
	CERTI	FICATE OF SHOP I	NSPECTION	
_			and Bread of Boiler and B	secure Versel Inspectors
	he undersigned, holding a valid commiss the State of FARMORX IX Pennsy	1. •.	ployed by <u>Commerce</u>	tial Union Ins. Co.
of	Boston, MA		have inspected the equipm	ent described in this Data
Report	1-51th 8-17 10x 0/	and state that to the	best of my knowledge ar	d belief, the Manufacturer
hesco				ction III.
By By	nstructed this equipment in accordance w	ith the applicable Subs	sections of ASME Code, Sec	essed or implied concern-
ing the	signing this certificate, neither the Insp e equipment described in this Data Report	ector nor his employed. Furthermore, neither	the inspector nor his employed	essed or implied, concern- over shall be liable in any
ing the manner	signing this certificate, neither the Inst	ector nor his employed. Furthermore, neither	the inspector nor his employed	essed or implied, concern- over shall be liable in any
ing the manner	signing this certificate, neither the Insp e equipment described in this Data Report	ector nor his employed. Furthermore, neither	the inspector nor his employed	essed or implied, concern- over shall be liable in any
ing the manner	signing this certificate, neither the Insp e equipment described in this Data Report r for any personal injury or property dama	Joector nor his employed Furthermore, neither to or a loss of any kind	the inspector nor his employed	essed or implied, concern- over shall be liable in any
ing the manner	signing this certificate, neither the Insp e equipment described in this Data Report	Joector nor his employed Furthermore, neither to or a loss of any kind	the inspector nor his employed	essed or implied, concern- over shall be liable in any
Date_	signing this certificate, neither the Insp e equipment described in this Data Report r for any personal injury or property dama	Joector nor his employed Furthermore, neither to or a loss of any kind	the inspector nor his employed	essed or implied, concern- over shall be liable in any
Date_	signing this certificate, neither the Insp e equipment described in this Data Report r for any personal injury or property dama	Joector nor his employed Furthermore, neither to or a loss of any kind	the inspector nor his employed	essed or implied, concern- over shall be liable in any
Date_	signing this certificate, neither the Insp e equipment described in this Data Report r for any personal injury or property dama	Joector nor his employed Furthermore, neither to or a loss of any kind	r makes any warranty, expr the Inspector nor his emplo d arising from or connected	essed or implied, concern- over shall be liable in any with this inspection.
Date_	signing this certificate, neither the Insp e equipment described in this Data Report r for any personal injury or property dama 01 01 01 01 01 01 01 01 01 01 01 01 01	Joector nor his employed Furthermore, neither to or a loss of any kind	r makes any warranty, expr the Inspector nor his emplo d arising from or connected Pennsylva	essed or implied, concern- over shall be liable in any with this inspection.
Date_	signing this certificate, neither the Insp e equipment described in this Data Report r for any personal injury or property dama	bector nor his employed Furthermore, neither ge or a loss of any kind	r makes any warranty, expr the Inspector nor his emplo d arising from or connected	essed or implied, concern- over shall be liable in any with this inspection.

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	FORM NPV-1 MANUFACTURERS'	DATA	REPORT	FOR N	NUCLEAR	PUMPS OR	VALVES
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Manufactured by	Flowserve Corporation, 70		rt, PA 17701	Order No	E378T	
	(Name)	& Address of Manufacturer)				
	Pennsylvania Power & Lig					
Manufactured for	2 North Ninth Street, Aller	ntown, PA 18101-1149		Order No	0-15387-1	
		(Name and Address)				
Denney	vlvania Power & Light Comp	any 2 North Ninth St Al	lentown PA 18101-1	140		
Owner						
Location of Plant Susquehanna, 5 miles NE of Berwick on US Rt. 11, P.O. Box 467, Berwick, PA 18603						
Location of Plant						
E378T-4-1 Pump or Valve Identification						
Pump or Valve Id				·····		
	6"-150# Butte	rfly Valve				
		tion of service for which equi	nment was designed)			
			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	W0125763 R/A	Flowserve	Corporation			
(1) Drawing No.		_ Prepared by				
(b) National Boa	rd No					
	240	200				
Desim Condition		. 100	° F			
6. Design Conditions 275 psi 100 °F (Preasure) (Temperature)						
	ns(Pressure)	psi 100 (Temperature	}			
		• •	•	Class	2	
. The material, de	sign, construction, and workr	manship complies with ASM	ME Code Section III. C		2	
. The material, des		manship complies with ASM	ME Code Section III. C		2	
. The material, de	sign, construction, and workr	manship complies with ASM	ME Code Section III. C		2	
. The material, de	sign, construction, and workr	manship complies with ASM	ME Code Section III. C		2 Remarks	
The material, de: Edition	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Editionl	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, de: Edition	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, det Edition 1 (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, det Edition 1 (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, details Edition 1 (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, details Edition (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, details Edition 1 (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, details Edition 1 (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			
The material, details Edition 1 (a) Castings N/A	sign, construction, and workr 1974, Addenda Date	Winter '75 , C	ME Code Section III. C			

As Required by the Provisions of the ASME Code Rules

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting			
	N/A			
				<u></u>
			<u> </u>	
(b)	Other Parts			
	Body Ht. #810507	SA240-316L	Mid-South Nuclear Inc.	
	S/N #1			
	Disc Ht.#D82404A	SA479-316L	Mid-South Nuclear Inc.	
	S/N#1	· · · · · · · · · · · · · · · · · · ·		······································
	Body Plugs - Ht. #713157	SA479-316L	Carpenter Technology Co	

8. Hydrostatic test _____ psi.

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CERTIFICATION OF DESIGN						
Design information on file at Flowserve Cor Stress analysis report on file at <u>N/A</u>	poration, 701 First Street, Wi	lliamsport, PA 17701				
Design specifications certified by		(1) Prof. Eng. State <u>PA</u> Reg. No. <u>013525</u> E (1) Prof. Eng. State <u>Reg. No.</u>				
We certify that the statements made in this re	port are correct.					
Date 8113/01 Signed	Flowserve Corporation	RS Stannert				
Certificate of Authorization NoN1712	expires4/15/04					

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of FANDEN MY Pennsylvania and employed by <u>Commercial Union Ins. Co.</u>
of have inspected the equipment described in this Data Report on $\frac{7-5}{6}$ $\frac{6}{12}$ $\frac{8}{12}$, and state that to the best of my knowledge and belief, the Manufacturer
has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concern- ing 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 a loss of any kind arising from or connected with this inspection.
Date 8-13-0/ 12 256
Charly John Commissions Pennsylvania 2392
(Inspector) (National Board, State, Province and No.) Charles Young

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This form (E37) is obtainable from the ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

Manufactured by	Flowserve Corporation, 701	-	Ord	er NoE378T
	ه Name) Pennsylvania Power & Ligt	Address of Manufacturer)		
	Pennsylvania Power & Ligi 2 North Ninth Street Allent	$\frac{1140}{100}$		0-15387-1
Manufactured for	2 North Ninth Street, Allent	Name and Address)	Ord	er No
Owner Pennsylv	ania Power & Light Compa	ny, 2 North Ninth St., A	Allentown, PA 18101-114	9
	Susquehanna, 5 miles NE	of Berwick on US Rt. 1	1. P.O. Box 467. Berwick	PA 18603
Location of Plant.				,
Pump or Valve Idea	E378T-1-1			
	4"-150# Butter	-		·
	(Brief descripti	on of service for which eq	uipment was designed)	
<u>.</u>			······································	
(a) Drawing No	2498-00-48 R/G	Flowserv Prepared by	ve Corporation	
		• •		
(b) National Board	No			
	240 275 (Pressure)	. 100	9-	
Design Conditions	(Pressure)	psi(Temperatu		
The merecial dasi	gn, construction, and workm	anship complian with A	SNE Code Section III. Clar	2
Edition	/4, Addenda Date.	Winter '75		N/A
			Case No	
		,	Case No	T
	Mark No.	Material Spec. No.	Case No	Remarks
(a) Castings		1	I	 T
(a) Castings N/A		1	I	 T
		1	I	 T
		1	I	 T
		1	I	 T
		1	I	 T
		1	I	 T
		Material Spec. No.	I	 T
		Material Spec. No.	I	 T
		Material Spec. No.	I	 T
N/A		Material Spec. No.	I	 T
N/A		Material Spec. No.	I	 T
N/A		Material Spec. No.	I	 T
N/A		Material Spec. No.	I	 T
N/A		Material Spec. No.	Manufacturer	 T
N/A		Material Spec. No.	Manufacturer	 T
N/A		Material Spec. No.	Manufacturer	 T
N/A		Material Spec. No.	Manufacturer	 T
N/A		Material Spec. No.	Manufacturer	 T

As Required by the Provisions of the ASME Code Rules

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	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting			······································
	<u>N/A</u>			
(d)	Other Parts	64240 216	Mid-South Nuclear Inc.	
	Body Ht. #792286	SA240-316	Mid-South Nuclear Inc.	<u> </u>
				···· ··· ··· ··· ··· ··· ··· ··· ··· ·
	Disc Ht.#307100	SA479-316	Mid-South Nuclear Inc.	
	S/N#1			
	<u> </u>			······································
8. Hydro	425 psi	•		
	C	ERTIFICATION OF	DESIGN	
	information on file at Flowserve Corpo	ration 701 First Street	Williamsnort PA 17701	
Design	information on file at $\frac{110}{N/\Delta}$			
Stress	analysis report on file at <u>N/A</u>	Dale Sattar	(1) Brof Eng State	PA Pag No 013525E
Stress	analysis report certified by <u>N/A</u>		(1) Prof. Eng. State	Reg. No
	nature not required. List name only.			
We ceri	ify that the statements made in this repo			al -L
	8116101 Signed	Flowserve Corpora	ation R. KZ	Stannert
Date	Signed	(Manufacturer)	by	
Certifie	cate of Authorization NoN1712	expires 4/15	5/04	
L	<u> </u>			
[CERTI	FICATE OF SHOP IN	NSPECTION	
I, tì	he undersigned, holding a valid commiss			
and/or	the State of PrKVDCXXfX Pennsy Boston, MA		,	ial Union Ins. Co.
of			have inspected the equipme	
Report has cor	structed this equipment in accordance wi	ith the applicable Subs	best of my knowledge an ections of ASME Code, Sec	tion III.
By inc the	signing this certificate, neither the Insp equipment described in this Data Report	ector nor his employer Furthermore, neither	makes any warranty, expre-	ssed or implied, concern-
manner	for any personal injury or property damag	e or a loss of any kind	arising from or connected	with this inspection.
	Lei	1		
[<i>y</i>		
Date	<u> </u>	6		1
1	<u>^</u>			
	$(I) \land I$			
$ \langle \rangle$	Ka lestrere	~ · ·	Pennsylva	nia 2392
	mill of print 1	Commissions		
	Charles Young		(National Board, State,	Province and No.)

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Assigned to: ????

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FOR INFORMATION ONLY

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Expires On: \??

_		As Required 1	by the Provisions of th	e ASME Code Rule	:s	
1	Manufactured by	Flowserve Corporation, 70		ort, PA 17701	_Order No	E378T
••	(denormerer	(Name 4 Pennsylvania Power & Lig	Address of Manufacturer)			
		2 North Ninth Street, Allen	town PA 18101-1149		Order No	0-15387-1
2.	Manufactured for _	211014111111100000,11111	(Name and Address)			
-	Pennsyl	vania Power & Light Comp	any, 2 North Ninth SL, A	llentown, PA 1810	1-1149	
3.		Susquehanna, 5 miles NI				603
		E378T 4.2	/		· ·	
5.	Pump or Valve Ide	entification	1		<u></u>	
		6"-150# Butte	•			
		(Brief descrip	tion of service for which equ	uipment was designed)		
		W0125763 R/A	Flowser	ve Corporation		
	(a) Drawing No		_ Prepared by			
	(b) National Boar	d NoN/A				
	,	<u>240</u>	psi (Temperatu	°F		
6.	Design Condition	s275(Pressure)	psi	* F		
7.	- 1	ign, construction, and work	manship complies with A	SME Code Section III	I. Class	2 -
7.		ign, construction, and works	Winter '75	SME Code Section III Case No		
7. 	Edition]	ign, construction, and work	manship complies with A	SME Code Section III		2 Recearia
7. 	Edition]	ign, construction, and works	Winter '75	SME Code Section III Case No		
7. 	Edition]	ign, construction, and works	Winter '75	SME Code Section III Case No		
7. 	Edition]	ign, construction, and works	Winter '75	SME Code Section III Case No		
7. 	Edition]	ign, construction, and works	Winter '75	SME Code Section III Case No		
7. 	Edition]	ign, construction, and works	Winter '75	SME Code Section III Case No Manufacturer		
7. 	Edition]	ign, construction, and works	Winter '75	SME Code Section III Case No Manufacturer		
7.	Edition]	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7. 	Edition]	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7. 	Edition 1 (a) Cassings N/A	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7.	(a) Cassings N/A (b) Forgings	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7.	Edition 1 (a) Cassings N/A	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7.	(a) Castings N/A (b) Forgings	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7.	(a) Castings N/A (b) Forgings	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7.	(a) Castings N/A (b) Forgings	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
-	(a) Castings N/A (b) Forgings	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		
7.	(a) Castings N/A (b) Forgings	ign, construction, and works 974, Addenda Date Mark No.	Winter '75	SME Code Section III Case No Manufacturer		

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Expires On: \??

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FORM NPV-1 (back)

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	Merk No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting	1		
(-)	<u>N/A</u>	<u> </u>		
	<u>. WA</u>			
		+		
		<u> </u>		
			·	
	<u> </u>		<u> </u>	
		+		
(d)	Other Parts		Mid Couth Nucleus Inc.	
	Body Ht. #810326	SA240-316L	Mid-South Nuclear Inc.	
	S/N #1 /			·
		l		
	Disc Ht.#D82404A	SA479-316L	Mid-South Nuclear Inc.	
	S/N#2 🖍			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
8. Hydro	425	i.		
	С	ERTIFICATION OF	DESIGN	
Design	information on file at Flowserve Corpo	ration, 701 First Street	Williamsport, PA 17/01	
Stress	analysis report on file at _N/A			
Design	specifications certified by	Dale Sattar	(1) Prof. Eng. State	PA Reg. No. 013525E
Server	analysis seport certified by N/A		(1) Prof. Eng. State	Res. No.
	nature not required. List name only.			
(1) Sig	nature not required. List name outy.			
-				_
We cer	tily that the statements made in this repo	. .	$\mathbf{O} \cdot \mathbf{O} +$	HL
_ (9 13 01 Signed	Flowserve Corpor	ation By R.J.	Xannet
Date_	Signed	(Manufacturer)	ByE	
	N1712		5/04	
Certifi	cate of Authorization No	expires4/1		
	CERTI	FICATE OF SHOP II	NSPECTION	
1. d	he undersigned, holding a valid commiss	ion issued by the Natio	onal Board of Boiler and Pi	ressure Vessel Inspectors
	the State of PONOCKXX Pennsy	Ivania and em	ployed by <u>Commerc</u>	ial Union Ins. Co.
of	Boston, MA		have inspected the equipm	
	6.0		best of my knowledge an	•
Report bas con	structed this equipment in accordance w	ith the applicable Subs	ections of ASME Code, Sec	tion III.
Bv	signing this certificate, neither the last	pector nor his employer	makes any warranty, expre	assed of implied, concern-
ing the	equipment described in this Data Report	. Furthermore, neither	the Inspector nor his emplo	oyer shall be liable in any
manner	for any personal injury or property damag	te of a loss of any kind	arising from or connected	with this inspection.
	0.10.01			
Date	9-13-01 M			
-				
°	Helliam Hella	C ! '	Pennsylva	nia 1722
V	(Inspector)		(National Board, State,	Province and No.)
	William Wilke			

Printed in U.S.A. (7/71)

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This form (E37) is obtainable from the ASME, 345 E. 47th St., New York, N.Y. 10017

030**O-III**

YES

REPAIRED

1976

086118

		As Required	by the Provisi	ons of the As	SME Code				
1. Owner		PPL Susqueha			Date		05/	/06/2002	
	769 Sale	Name em Blvd, Berwick			Sheet _	1	of	1	
Address Plant Susquehanna Steam Electric Station Name 769 Salem Blvd, Berwick, PA 18603				n	Unit		CC		
						Repair		# 222463 P.O. No., Job No., etc.	
3. Work Pe	rformed by	Address PPL Susc	uehanna, LLC		Type Code				
	769 Sal	em Blvd, Berwicl	Name k, PA 18603		Authorizat	i <mark>on</mark> No.		N/A	
		Address			Expiration	Date		N/A	
4 Interstifie	ation of System	, co	NTROL STRU	CTURE CHILI	LED WAT	ER SI	STEM	300, CLASS	<u> </u>
5. (a) Apr	licable Constru		19			_	Addenda,		Code Case
6. Identific	cation of Compo	onents Repaired or R	eplaced and Repla	acement Compon	nents				
	ame of mponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identifica		Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

7. Description of Work	REPAIRED VALVE DISC BY WELDING.
8. Tests Conducted:	Hydrostatic Pneumatic Nominal Operating Pressure * (* NON VT-2 PER MI-PS-008) Other Pressure psi Test Temp. * F
NOTE: Supplerr tion in items 1 th recorded at the to	ental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) informa- arough 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is ap of this form.

N/A

0366-6

PACIFIC

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1) VALVE

9. Remarks VALVE ORIGINAL CODE OF CONSTRUCTION ASME Sec III 1971 Edition Winter 1972 Addenda Applicable Manufacture's Data Reports to be attached

CC: 1622, 1516-1 & 1567

We certify that the statements made in the report are correct and E Code, Section XI.	N/A Expiration Date Date May 3	N/A
ned	Expiration Date 3	
ned	Date May 3	
- Chullan	_ / lan s	3/ , 20 0Z
		·····
	SERVICE INSPECTIO	N
undersigned, holding a valid commission issued by the Nationa pvince of <u>PENNSYLVANIA</u> and employed by <u>DHNSTON, RHODE ISLAND</u> a Owner's Report during the period $10 - 19 - 01$ best of my knowledge and belief, the Owner has performed ex r's Report in accordance with the requirements of the ASME Ca signing this certificate neither the Inspector nor his employer m inations and corrective measures described in this Owner's Report dama be liable in any manner for any personal injury or property dama ction.	FACTORY MUTUAL INS have inspective to 10-2 caminations and taken correct ode, Section XI. nakes any warranty, expres port. Furthermore, neither	URANCE CO. of cted the components described 0 2 - 0 / , and state that ective measures described in this 0 ssed or implied, concerning the 0 the inspector nor his employer 0
Inspector's Signature	sions <u>NA8845 A/</u> National Board, Sta	V/I/B/N5 Pa 236/ ate, Province, and Endorsements

054A-III

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

						· · ·		
1. Owner			•		Date	0	5/07/2002	
	769 Sale	em Blvd, Berwic	ck, PA 18603		Sheet	Of	4	
2. Plant	Susc	quehanna Stear		on	Unit	С	OMMON	
-	700.0.1	Name	-			See Att	ached List	
	769 Sale	Address	CK, PA 18603				n P.O. No., Job No., etc.	
3. Work Perf	ormed by		squehanna, LLC	;	Type Code	Symbol Stamp	. .	
	769 Sale	em Blvd, Berwic			Authorizatio	n No	N/A	
		Address			Expiration D	ate	N/A	
4. Identificat	tion of System		EMERGENC	Y SERVICE	WATER SY	STEM 054A	, CLASS III	
5. (a) Appli	cable Construc	tion Code	<u> *</u> 19		, thru W'72	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		de Case
(b) Appli	icable Edition of	of Section XI Utilize	d for Repairs or Re	placements 19	89	CC N416-	1 (* SEE SHEETS	4)
6. Identificat	tion of Compor	nents Repaired or F	Replaced and Repla	acement Compo	nents			
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	Year n Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	E PIPE SSEMBLY	DRAVO	E3549-39	N/A	HRC-3302-	2 1985	REPLACED	YES
	E PIPE SSEMBLY	PP&L	N/A	N/A	HRC-3302-	2 2000	REPLACEMENT	NO
3) LARG (BOL1	E PIPE FING)	DRAVO	E3549-39	N/A	HRC-3302-	2 1985	REPLACED	YES
4) LARG (BOLT	E PIPE FING)	PP&L	N/A	N/A	HRC-3302-	2 2000	REPLACEMENT	NO
5) LARG SUB-ASSE	E PIPE MBLY	DRAVO	E3549-40	N/A	HRC-3302-	1 1985	REPLACED	YES
6) LARG SUB-ASSE		PP&L	N/A	N/A	HRC-3302-	1 2000	REPLACEMENT	NO
7) LARG (BOLT		DRAVO	E3549-40	N/A	HRC-3302-	1 1985	REPLACED	YES

7. Description of Work			SEE ATTACHED LIST			
8. Tests Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure*	□•F	SEE PAGE 4	

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	CODE DATA REPORT(S) ATTACHED Applicable Manufacturer's Data Reports to be attached				
<u>.</u>					

	RTIFICATION OF COMPLIANCE	
We certify that the statements made in the	e report are correct and this REPAIR & REPLACEMENT	conforms to the rules of the
ASME Code, Section XI.	repair or replacement	-
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A Expiration Date	N/A
Signed Quilling	Date May 31	, 20 0 Z
Owner or Owner's Designee, Title Supv	- Site Modifications Group	
r Province of <u>PENNSYLVANIA</u> and JOHNSTON, RHODE ISLAND In this Owner's Report during the period <u>9-</u> to the best of my knowledge and belief, the Owner owner's Report in accordance with the requirement	- 26 - 00 to 12 - 2 - 1 er has performed examinations and taken correct	ANCE CO. of ected the components described of two measures described in this ed or implied, concerning the

054A-III

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

1. Ov	1. Owner PPL Susquehanna, LLC					0	5/07/2002	
	769 Sal		Sheet	2 of	4			
2. Pla	2. Plant Susquehanna Steam Electric Station						COMMON	
	769 Sal	Name em Blvd, Berwic Address	k, PA 18603				tached List	
3. Wo	ork Performed by		quehanna, LL	<u>c</u>	Type Code	Symbol Stamp	n P.O. No., Job No., etc.	
	769 Sal	lem Blvd, Berwick			Authorizatio	on No.	N/A	
		Address			Expiration I	Date	N/A	
4. In	dentification of Syste	m	EMERGEN	CY SERVICE	WATER SY	STEM 054A	, CLASS III	
(uction Code of Section XI Utilized onents Repaired or Re	for Repairs or Re		89		Co (* SEE SHEETS 4)	de Case
								_
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	Year on Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8)	LARGE PIPE (BOLTING)	PP&L	N/A	N/A	HRC-3302	-1 2000	REPLACEMENT	NO
9)	VALVE	POSI-SEAL	34838-1A	N/A	011507	1985	REPLACED	YES
10)	VALVE	CONTROLMATICS	84954-16-3	320	011507	1979	REPLACEMENT	YES
11)	LARGE PIPE SUBASSEMBLY	MORRISON- KNUDSEN CO.	501	N/A	N/A	1984	REPAIRED	YES
12)	LARGE PIPE SUBASSEMBLY	MORRISON- KNUDSEN CO.	502	N/A	N/A	1984	REPAIRED	YES
13)	SMALL PIPE SUBASSEMBLY	MORRISON- KNUDSEN CO.	505	N/A	N/A	1984	REPLACED	YES
14)	SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	N/A	2000	REPLACEMENT	NO
15)	LARGE PIPE MULTI SUPPORT BOLTING	MORRISON- KNUDSEN CO.	N/A	N/A	N/A	1985	REPLACED	YES
16)	LARGE PIPE MULTI SUPPORT BOLTING	PPL	N/A	N/A	N/A	2000	REPLACEMENT	NO
17)	LARGE PIPE MULTI SUPPORT CLIPS	MORRISON- KNUDSEN CO.	N/A	N/A	N/A	1985	REPLACED	YES
18)	LARGE PIPE MULTI SUPPORT CLIPS	PPL	N/A	N/A	N/A	2000	REPLACEMENT	NO

054A-III

REPAIRED

REPLACED

REPLACEMENT

N/A

N/A

N/A

2000

1985

2000

YES

YES

NO

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	5/07/2002	
	769 Sal	em Blvd, Berwic			Sheet	3 of	4	
2. Plant	Sus	quehanna Stear		on	Unit	c	OMMON	
	769 Sale	Name em Blvd, Berwic					tached List	
		Address			Re	pair Organizatio	n P.O. No., Job No., etc.	
3. Work Per	formed by _	PPL Sus	quehanna, LLC	;	Type Code Syr	nbol Stamp	None	
	769 Sal	em Blvd, Berwic	k, PA 18603		Authorization N	lo.	N/A	
		Address			Expiration Date	e	N/A	
4. Indentific	ation of Syste	m	EMERGENC	Y SERVICE	WATER SYST	EM 054A	, CLASS III	
	cable Constru	ction Code of Section XI Utilized	III * 19 d for Repairs or Re		thru W*72 89	Addenda, CC N416-1	* Co (*SEE SHEETS 4)	ode Case
6. Identifica	tion of Compo	onents Repaired or R	Replaced and Repla	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)
	ICE ER FLEX NECTION	METAL BELLOWS	6	N/A	N/A	1984	REPLACED	YES
20) SERV		SENIOR	H57310-1-2	N/A	N/A	2000	REPLACEMENT	YES

N/A

N/A

N/A

20) SERVICE WATER FLEX

21) LARGE PIPE

22) SMALL PIPE

23) SMALL PIPE

CONNECTION

SUBASSEMBLY

SUBASSEMBLY BOLTING

SUBASSEMBLY

FLEXONICS

SENIOR

FLEXONICS

MORRISON-

KNUDSEN CO.

PPL

H57310-1-2

N/A

N/A

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

1. Owne	er	PPL Su	Isquehanna, LLC Name	;		. <u></u>	Date		05/0	7/2002	
	769 Sale	em Blvd, E	Berwick, PA 186	03		<u> </u>	Sheet -	4	of		1
2. Plant	Susq	uehanna	Steam Electric S	Statio	n		Unit		CO	MMON	
	769 Sale	m Blvd, I Addre	Berwick, PA 186	03		<u></u>	<u> </u>			HED LIST D. No., Job No., e	etc.
3. Work	Performed by	PF	L Susquehanna, _{Name}	LLC			Туре Сос	le Symbol Sta	amp	No	ne
	769 Sale		Berwick, PA 186	03	<u> </u>		Authoriza	tion No.		N/A	
		Addre	SS				Expiration	Date		N/A	
4. Indei	ntification of System	۱ 	EMERG	ENC	Y SEI		VATER S	YSTEM 0	54A, C	LASS III	
(b) /		f Section XI	ASME Sec III * Utilized for Repairs of ed or Replaced and	or Rep			Thru W 89 ents	Auue	nua,	N/A* SEE LIST B	_ Code Case ELOW)
ITEM(S)	WORK ORDER		DESCRIPTION OF	ŴOŔĸ			DESCRIP			CODE EDITI (ASME SE	
1-10	196553	VALVE,	2-1 & HRC3302-2, 01 PIPING DOWNSTRE ANGES AND ASSOC	AM OF	F VALV	Έ,	VT-2 PER S TEMP 50°F		REF ORI REF	AIR UTILIZEI G VALVE '71 PLACEMENT WIN '75	
11	291238	DIESEL	ENGINE, SKID MOL	INTED	PIPIN	G;	NÓN VT	-2 PER	19	80 ED SUMM	AER 81 ADD

(

1 1				WIN '75 ADD
11	291238	DIESEL ENGINE, SKID MOUNTED PIPING; S/N 501, REPAIRED FLANGES BY WELDING	NON VT-2 PER MI-PS-008	1980 ED SUMMER 81 ADD CC: N316
12	291236	DIESEL ENGINE, SKID MOUNTED PIPING; S/N 502, REPAIRED FLANGES BY WELDING	NON VT-2 PER MI-PS-008	1980 ED SUMMER 81 ADD CC: N316
13-14	241584	DIESEL ENGINE, SKID MOUNTED PIPING; S/N 505, REPLACED COUPLING BY WELDING	NON VT-2 PER MI-PS-008	1980 ED SUMMER 81 ADD CC: N316
15-18	241584	DIESEL ENGINE, SKID MOUNTED PIPE SUPPORTS; REPLACED BOLTING AND LOCKING CLIPS BY WELDING.	NONE	1980 ED SUMMER 81 ADD CC: N316
19-23	293981	DIESEL ENGINE, SKID MOUNTED PIPING; REPLACED SERVICE WATER EXPANSION JOINT & ASSOCIATED BOLTING. REPAIRED NEW EXPANSION JOINT BY WELDING ON TIE ROD LUGS AND RELOCATING VENDOR CODE DATA PLATE	VT-2 PER SE-000-017 TEMP 45°F/ 85 PSIG	1980 ED SUMMER 81 ADD CC: N316 (CC N-192-2 APPLIES TO FLEX HOSES ONLY)

37	9779 A NPV-1	As Re	idar 'n pA	the Prov						. 06
		Contr	omatic	s Div	222	Roberts S Ington Wa	<u>St., I</u>	E. Hart:	ford, Ut	
, Manufact		10000		Coor	ge Wash	ington Wa	ау, К	ichiand	, washin	ig con 2
. Manufact	ured for 2	(N 1)	ame and Ad	Rese	rvation	Project	4, R:	ichland	<u>Washin</u>	gton
. Location	of installat -	ion IN	ame and Ac		Alomi	nat Intet Size	4	Out	let Size	4
. Pump or	Valve I	Butte	<u>rily v</u>	<u>aive</u>	NORM	nal Inlet Size .	(incl	h)		(INCN)
		, (b) N (Holder's	(c) Canadii Registratic	an on (d) Drav	ving		(f) Nat'l.	(g) Year
	eries No.	·	Serial No.		No.	No.		(e) Class	Bd. No.	Built
	or Type	••••				2498-00-	48E	2	318	19
(1) _E	utteri	<u>fly</u>	84954-	16-1	<u>N/A</u> N/A	2498-00-	48E	2	319	19
(2) <u> </u>	utter	<u>f 1y</u>	84954-	16-2	<u>N/A</u>	2498-00-		2	320	19
(3) <u>–</u>	utter	<u>i i y</u>	049/4-							
(4)										
(5)										
(6) (7)										
(8)										
(9)										
(10)										-
Com	onent	Cool	ing Wa	ter '	Tag #4-	CCW-V-194	<u>B, 4-</u>	-CCW-V-2	202A,	
								1		
	<u>onene</u>		(Brid	f descriptio	n of service lo	ar which souipmer	ni was des	ligned)		
, Design C	onditions	2 	(Brie (Brie 200 275	f description	<u>& 4–</u> <u>200</u> (Temperato	CCW-V-202	B B	igned) ssure Class	150	
	onditions king Press	2 	200 ressure1 275	f description psi psi at	& 4- 200 (Temperatu 100°F.	or which equipme <u>CCW-V-20</u> <u>CCW-V-20</u> •F or N ure)	B B	igned)	150	
. Design C . Cold Wor	onditions king Press	2 (P sure Pieces	200 ressure1 275	f descriptio	& 4- 200 (Temperatu 100°F.	or which equipme <u>CCW-V-20</u> <u>CCW-V-20</u> •F or N ure)	it was des <u>58</u> /alve Pre	igned)	150	
). Design C 2. Cold Wor 3. Pressure 	onditions king Press Retaining Mark No. gs	2 (P sure Pieces	200 ressure1 275	t description psi psi at Material S	& 4- 200 (Temperatu 100*F. Spec. No.	or which aquipme <u>CCW-V-20</u> <u>Ure</u> W	/alve Pre	igned) Issure Class	150	
i. Design C 7. Cold Wor 1. Pressure (a) Castin BOC	onditions king Press Retaining Mark No. gs	2 (P sure Pieces	200 ressure1 275	t description psi psi at Material S	& 4- 200 (Temperatu 100°F.	or which aquipme <u>CCW-V-20</u> <u>Ure</u> W	/alve Pre	igned)	150	
6. Design C 7. Cold Wor 1. Pressure (a) Castin <u>BOC</u> Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u>	2 (P sure Pieces	200 ressure1 275	t description psi psi at Material S	& 4- 200 (Temperatu 100*F. Spec. No.	or which aquipme <u>CCW-V-20</u> <u>Ure</u> W	/alve Pre	igned) Issure Class	150	
6. Design C 7. Cold Wor 1. Pressure (a) Castin <u>BOC</u> Ht	onditions king Press Retaining Mark No. gs	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Lodi	lanufactu	igned) Issure Class Irer Works	150	
6. Design C 7. Cold Wor 1. Pressure (a) Castin <u>BOC</u> Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- 200 (Temperatu 100*F. Spec. No.	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class	150	
(a) Castin Boo Ht Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
(a) Castin Boo Ht Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 GC	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
(a) Castin Boo Ht Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 GC	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
(a) Castin Boo Ht Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 GC	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
(a) Castin Boo Ht Ht	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	
a) Cold Wor Cold Wor Pressure (a) Castin <u>Boo</u> <u>Ht</u> <u>Ht</u> <u>Dis</u> <u>Ht</u>	onditions king Press Retaining Mark No. gs ly <u>#E914</u> #E915 cc #E687	2 (P sure Pieces	200 (ressure) 275 ASME-	r description psi psi at Material S SA-35	& 4- <u>200</u> (Temperatu 100°F. Spec. No. <u>1 CF8M -</u>	V Huch equipme CCW-V-20 ⁷ 	lanufactu	igned) Issure Class Irer Works	150	

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2* x 11*, (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

Mark No.	Material Spec. No.	Manufacturer	Remarks
Bolting			
			<u>.</u>
(d) Other Parts			
			<u> </u>
		·	

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or value, conforms construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. I., Edition <u>19</u> Addenda Winter <u>1975</u> , Code Case No. <u>N/A</u> . Date <u>$2/15/25$</u>	1 - - .
Signed Contromatics Division by William Hale Quality	
Signed <u>Contromatics Division</u> by <u>Uilliam 4 Jelu</u> (William Hale, Quality) Our ASME Certificate of Authorization No. <u>N-1934</u> to use the <u>N</u> (N)	Control) 11/18/80. (Dete)

CERTIFICATION OF DESIGN

Contro	matics 1	D <u>ivision</u>

Design information on file at _______ UONTR Stress analysis report (Class 1 only) on file at ____

9

Design specifications certified by (1) _	John E. Herman	
PE State Wash Reg. No		
Stress analysis certified by (1)		
PE State Reg. No	•	
(1) Signature not required. List name o	nly.	

CERTIFICATE OF SHOP 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 <u>Connecticut</u> and employed by <u>Lumbermens Mutual Co</u>. of <u>North Quincy</u>, <u>Mass</u> have inspected the pump, or valve, described in this Data Report on <u>D-15</u> 19 79, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Assigned to: ????		F	OR INFORMATION ONLY		Expires On: \?
•					
	·				
	FORM NPP-1		E HOLDERS' DATA RE		ATED
			AR PIPING SUBASSEME		
	As Ri	equired by the Pr	ovisions of the ASME Code,	Section III, Division 1	<u>Pg. 1</u> of <u>1</u>
Job Number: <u>N366</u> S	ales Order Number: <u>H5</u>	<u> 57310</u>			
1. Fabricated and certi	fied by <u>Senior Flexonic</u>	s, Inc., Pathway	Division, 2400 Longborn Ind	ustrial Drive, New Brau	nfels, Texas 78130
		(nam	e and address of NPT Certificate Hold	er)	
2. radicated for <u>Engl</u>	ie Systems, Inc., 1220	wasnington Stre	rt, Rocky Mount, NC 27801 (name and address)	[P.O. # 41678]	····
3. Location of installati	on PPL Susqueban	na. Berwick. P.			
		·/	(name and address of Purchaser)	1	
4. Type H573	10-1-1 & H57310-1-2	<u>N/A</u>	H57310-1 Rev. 0	N/A	2000
	Cert. Holder's serial no.)	CRN	(drawing no.)	(Nat'l Bd. No.)	(year built)
5. ASME Code, Sectio			Summer 1981 (addenda date)	<u>(class)</u>	<u>N-192-2</u> (Code Case no.)
6. Shop Hydrostatic te			psi at	Ambient	"F (if performed)
7. Description of pipin	g 6" Braided Expansion	on Joint Assembly	Y		
3. Certificate Holder's report: None	Data Reports properly id	dentified and sign	ed by commissioned inspectors	have been furnished for	the following items of this
			· · · · · · · · · · · · · · · · · · ·		
. Remarks Materials					Traceability
Drawing P/N	Description		Specification		ber (MTCN)
<u> </u>	Bellows Center Connector		SA-240 Type 321		CA208
4&5	Flange		SA-240 Type 304 SA-105		ICA774 ICA772, TCA773
6&7	Collar		SA- 240 Type 304		CA509 ~
8	Braid		A-580 Type 304		[CA78]
Verification of desig	in performed in accord	lance with ND-36	49.4 (e)(1)	· · · · · · · · · · · · · · · · · · ·	
	······			······	
		CERTI	FICATE OF SHOP COMPLIAN	CE .	
We certify that the st construction of the A	atements made in this re SME Code, Section III,	port are correct an Division 1.	nd that the fabrication of the de	escribed piping subassem	bly conforms to the rules for
NPT Certificate of A	uthorization No	N-2778	Expires	AUTH 1	2002
Date 11-17-00					sg /. l
Dale <u>/////</u>		nior Flexonics In T Certificate Holde		(authorized r	presentative)
	··· ··· ···	CERT	FICATE OF SHOP INSPECTA		
I, the undersigned, be	olding a valid commissio	m issued by the N	ational Board of Boiler and Pr	essure Vessel Inspectors	and the State or Province
of Texas		employed by		Insurance Company	
of <u>Boston</u> , M		have ins	sected the piping subassembly	described in this Data R	eport on <u>11-17-00</u> ,
and state to the best of Section III, Division	f my knowledge and be 1.	lief, the Certificate	e Holder has fabricated this pip	bing subassembly in acco	rdance with the ASME Code,
By signing this cert	ificate neither the ins	pector nor his en	nployer makes any warrant	y, expressed or implie	d. concerning the niping
subassembly descri	bed in this Data Repg	r Purthermore	, neither the inspector nor h	is employer shall be li	able in any manner for any
personal injury or p	roperty damage of a l	oss of any find	arising from or connected v	vith this inspection.	
Date /1-17- 200	Signed (5		Comm	issions - The	1083
		(Authorized Nuclea			endorsements) state or prov. and no.]
L	····		· ·	· · · · · · · · · · · · · · · · · · ·	

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*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size 8 ½ x 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.

This form (E00062) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

054B-III

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

1. Owner	PP	L Susquehanna _{Name}	, LLC			Date		05/01/2002		
		d, Berwick, PA	18603			Sheet _	1	of		2
2. Plant	Susqueha	nna Steam Elec	tric Station	n	<u> </u>	Unit		С	ommon	
		d, Berwick, PA	18603				S	ee Atta	ached List	
		Address					Repair O	ganization	P.O. No., Job No	o., etc.
3. Work Per	formed by	PPL Susqueha	anna, LLC			Type Code	e Symbol	Stamp	1	None
		rd, Berwick, PA	18603	•		Authorizat	ion No.		N/A	Α
						Expiration	Date		N/A	
4. Identifica	ation of System	· · · · · · · · · · · · · · · · · · ·	ES	N SP	RAY SY	STEM 05	4B, CL/	ASS III		
	icable Construction Co licable Edition of Section	· · · · · · · · · · · · · · · · · · ·	19 pairs or Repl	71 laceme	Edition, ents 19	thru W'7 89	'2 Ad	denda,	N/A	_ Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

			· · · · · · · · · · · · · · · · · · ·	Г		7'		
	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)	LEVEL ELEMENT	FLUID COMPONENTS	2030N	N/A	LE01201A2	1987	REPLACED	NO
2)	LEVEL ELEMENT	FLUID COMPONENTS	2031N	N/A	LE01201A2	1992	REPLACEMENT	NO
3)	SMALL PIPE SUBASSEMBLY SPRAY NOZZLES	BECHTEL	N/A	N/A	SPHRC-2-2	1982	REPLACED	YES
4)	LARGE PIPE SUBASSEMBLY SPRAY NOZZLES	PP&L	N/A	N/A	SPHRC-2-2	2001	REPLACEMENT	NO

 7. Description of Work
 SEE ATTACHED LIST

 8. Tests Conducted:
 Hydrostatic
 Pneumatic
 Nominal Operating Pressure
 Image: Conducted Pressure

 Other
 Pressure
 *
 psi
 Test Temp.
 *
 *

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.

emarks	NONE	Applicab	le Manufacturer's Data Re	eports to be attached			
			7.5%-				
							,
		GERTIFI	CATION OF CO				
	certify that the statemer	nts made in the report	are correct and thi	s REPLACEM		rms to the rules of the	
SME CO	de, Section XI.						
Туре С	Code Symbol Stamp			N/A			
o		N 1/A	Expir	ation		N/A	
Certifica	ate of Authorization No.	N/A	Date			N/A	_
Signed	de	. 01.	C	ate m	31	,2002	
	Owner or Owner's Designed	e, Title Supv Site Mo	difications Group				
<u> </u>		CEPTIEICATI	ON OF INSER				
		CERTIFICATI	UN OF INSERV				
the und	ersigned, holding a valid	I commission issued b	y the National Boar	d of Boiler and P	ressure Vesse	el Inspectors and the State	
	ce of <u>PENNSYLVANIA</u> NSTON, RHODE ISLAN		oyed by FAC	have in	spected the c	omponents described	
this Ou	mer's Report during the	period 6 -	19-01	to 8-	24-0	/, and state that	
the bes	st of my knowledge and I Report in accordance with	belief, the Owner has	performed examina the ASME Code S	itions and taken of taken of taken of the section XI.	orrecuve mea	isures described in uns	
By sig	ning this certificate neith	er the inspector nor hi	is employer makes	any warranty, exp	pressed or im	plied, concerning the	
aminati	ions and corrective mean	sures described in this	Owner's Report	Furthermore, neil	her the inspe	ctor nor his employer	
all be li	iable in any manner for a	iny personal injury or p	property damage of	a loss of any kin	a ansing irom	or connected with this	
		20			al. l.	ali= 0.73	21
Jol	tont. Ill	lery-	Commissions	NO XXYS	<u>HINJI</u> State Browin	6//VS raccollege	21
	Inspector's Signa			National Board	, GNALE/ FIØVI	pe, and Englisements	
ate	une 3	20 <u>62</u>					

054B-III

	F(ORM NIS-2 OWN As Required b	ER'S REPORT FOR REF by the Provisions of the	PAIRS OR RI ASME Code	EPLACE Section	EMENTS n XI		
1. Own	er	PPL Susqueha Name	nna, LLC	Date		05/01/2	2002	
	769 Sal	em Blvd, Berwick, Address	PA 18603	Sheet	2	of	2	
2. Plani	tSusc	quehanna Steam	Electric Station	Unit		COMM	ION	
	769 Sale	em Blvd, Berwick, Address	PA 18603			EE LIST BEL		
3. Work	Performed by		Jehanna, LLC	Type Code			None	
	769 Sale	em Blvd, Berwick, Address	PA 18603	Authorizatio	on No		N/A	
				Expiration [Date		N/A	
4. Inde	entification of Systen	n	ESW SPRAY	SYSTEM 054	B, CLA	SS III		
(b) .	Applicable Edition c		or Repairs or Replacements 19	89	2 Adde	enda, <u>N/A</u>	Co	de Case
6. Iden	tification of Compor	nents Repaired or Rep	laced and Replacement Compo	onents				
ITEM(S)	PCWO	ASME CODE FORM	DESCRIPTION OF				RIPTION OF	
1-2	326728	01-054-004	LE01201A2; REPLACED LE	EVEL PROBE	<u></u>	2 PER SE-00	00-017 TEMP 6	9°F &

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		FORM		DESCRIPTION OF TESTS
1-2	326728	01-054-004	LE01201A2; REPLACED LEVEL PROBE, FLANGE IS PRESSURE RETAINING	VT-2 PER SE-000-017 TEMP 69°F & PRESS 99 PSIG
3-4	342852	01-054-006	SPHRC-2-2, REPLACED (4) NOZZLES ON POND SPRAY ARRAY	VT-2 PER SE-000-017 TEMP 78°F & PRESS 99 PSIG

072-III

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

1. Owner _	,	PPL Susquet			Date		05/16/2002	
	769 Sal	em Blvd, Berwic	-		Sheet	1	Of1	
		Address						
2. Plant	Sus	quehanna Stean		on	Unit	·	ONE	
	760 Sal	em Blvd, Berwic			PCV	VO # 2664	71 CRF # 00-072-	001
	703 04	Address				Repair Organiza	tion P.O. No., Job No., etc.	
3. Work Perfor	med by	PPL Sus	quehanna, LLC	CC	Type Code	Symbol Starr	None	
	769 Sal	em Blvd, Berwic	_{Name} k, PA 18603		Authorizatio	on No	N/A	
		Address			Expiration (Date	N/A	
4. Identificatio	on of System	-		START-UP S	YSTEM 072	 2. CLASS I	11	
(b) Applica	able Edition	of Section XI Utilized	d for Repairs or Re		89		a, Co REMARKS SECTION	ode Case N)
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year on Built	Depleasment	ASME Code Stamped (Yes or No)
1) HEAT EXCHA	NGER	ATLAS	3155	2533	0E136	1975		YES
2) HEAT EXCHA BOLTIN		ATLAS	3155	2533	0E136	1975		YES
3) HEAT EXCHA BOLTIN	ANGER	PPL	N/A	N/A	0E136	2000) REPLACEMENT	NO

7. Description of Work

REINSTALLATION OF HTX HEAD BY WELDING AND REPLACED BOLTING

8. Tests Conducted:

Hydrostatic

Pressure

Other

Pneumatic Nominal Operating Pressure

(NON VT-2 PER MI-PS-008)

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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.

psi

Test Temp.

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9. Remarks THIS IS A NON-N5 ASME SEC III HEAT EXCHANGER MAINTAINED UNDER SEC XI. Applicable Manufacturer's Data Reports to be attached

CODE OF CONST: ASME SEC III 1971 ED SUMMER 1971 ADD CC 56.

,

CERTIFICATION	DF COMPLIANCE
We certify that the statements made in the report are correct	
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration Date N/A
Signed	Date May 31 , 2002
CERTIFICATION OF IN	Board of Boiler and Pressure Vessel Inspectors and the State
or Province of _PENNSYLVANIA and employed by JOHNSTON. RHODE ISLAND	FACTORY MUTUAL INSURANCE CO. o have inspected the components described
in this Owner's Report during the period $7-19-00$ to the best of my knowledge and belief, the Owner has performed ex Owner's Report in accordance with the requirements of the ASME C	to $4/-2/-27$, and state that aminations and taken corrective measures described in this ode. Section XL
By signing this certificate neither the Inspector nor his employer n examinations and corrective measures described in this Owner's Re shall be liable in any manner for any personal injury or property dam inspection.	nakes any warranty, expressed or implied, concerning the port. Furthermore, neither the Inspector nor his employer
OAL	ions <u>NB 8845 ANJ ANJ BN5 Paz3</u> National Board, State/Province, and Endorsements
Date June 3 20 02	•
-	

125A-II

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

I. Owner		PPL Susqueh			Date		05	5/07/2002	
	769 Sale	m Blvd, Berwic	-		Sheet	1	of	2	
		Address							
2. Plant	Susq	uehanna Stean Name	n Electric Statio	n	Unit			ONE	
	769 Salei	m Blvd, Berwid	k, PA 18603					ached List	
		Address				Repair	Organization	P.O. No., Job No., etc.	
3. Work Perfo	ormed by	PPL Sus	quehanna, LLC		Type Code	Symbo	l Stamp	None	
	769 Sale	m Blvd, Berwic			Authorizati	on No.		N/A	
		Address			Expiration	Date		N/A	
4 Identificati	tion of System	PRI	MARY CONTAI	NMENT INS		- GAS S	SYSTE	VI 125A, CLASS	11
5. (a) Applic	cable Construct	tion Code	III 19	71 Edition	n,thru W'7		ddenda,	Co	de Case
(b) Applic	cable Edition of	f Section XI Utilize	d for Repairs or Re	placements 19	89		(* 9	SEE ATTACHED LIS	(1)
6. Identificati	tion of Compon	ents Repaired or F	Replaced and Repla	acement Compo	onents				
Nam	tion of Compon ne of ponent	ents Repaired or F Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificati	on	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Nam	ne of	Name of	Manufacturer	National Board	Other			Replaced, or	Code Stamped (Yes or
Nam Comp	ne of	Name of Manufacturer BORG	Manufacturer Serial No.	National Board No.	Other Identificati		Built	Replaced, or Replacement	Code Stamped (Yes or No)
Nam Comp 1) VALVE	ne of	Name of Manufacturer BORG WARNER ROCKWELL	Manufacturer Serial No. 11673	National Board No. N/A	Other Identificati 126018		Built 1976	Replaced, or Replacement REPLACED	Code Stamped (Yes or No) YES
Nam Comp 1) VALVE 2) VALVE	ne of	Name of Manufacturer BORG WARNER ROCKWELL EDWARDS BORG	Manufacturer Serial No. 11673 85AEQ	National Board No. N/A N/A	Other Identificati 126018 126018		Built 1976 1992	Replaced, or Replacement REPLACED REPLACEMENT	Code Stamped (Yes or No) YES YES
Nam Comp 1) VALVE 2) VALVE 3) VALVE	ne of ponent	Name of Manufacturer BORG WARNER ROCKWELL EDWARDS BORG WARNER ROCKWELL	Manufacturer Serial No. 11673 85AEQ 11690	National Board No. N/A N/A N/A	Other Identificati 126018 126018 126029		Built 1976 1992 1976	Replaced, or Replacement REPLACED REPLACEMENT REPLACED	Code Stamped (Yes or No) YES YES
Nam Comp 1) VALVE 2) VALVE 3) VALVE 4) VALVE 5) SMALL F	ne of ponent PIPE PIPE	Name of Manufacturer BORG WARNER ROCKWELL EDWARDS BORG WARNER ROCKWELL EDWARDS	Manufacturer Serial No. 11673 85AEQ 11690 87AEQ	National Board No. N/A N/A N/A N/A	Other Identificati 126018 126029 126029 126029 SPHCB1	11-	Built 1976 1992 1976 1992	Replaced, or Replacement REPLACED REPLACEMENT REPLACED REPLACEMENT	Code Stamped (Yes or No) YES YES YES

7. Description of Work		SEE SHEET 2 OF 2	
8. Tests Conducted:	Hydrostatic Pneumatic Other Pressure	Nominal Operating Pressure psi Test Temp.	(SEE ATTACHED LIST)

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.

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9. Remarks	CODE DATA SHEETS ATTACHED
	Applicable Manufacturer's Data Reports to be attached
<u> </u>	

CERTIFICATIO	N OF COM	PLIANCE	
We certify that the statements made in the report are corre	ect and this	REPAIR & REPLACEMENT	conforms to the rules of the
SME Code, Section XI.	-	repair or replacement	-
Type Code Symbol Stamp		N/A	
Certificate of Authorization No. N/A	Expiration	۱ 	N/A
Signed	Date	May 3	, 20 <i>0</i> 2
	<u> </u>		
CERTIFICATION OF	INSERVICI		
the undersigned, holding a valid commission issued by the National Province of <u>PENNSYLVANIA</u> and employed by <u>JOHNSTON, RHODE ISLAND</u> this Owner's Report during the period <u>S-16-01</u> to the best of my knowledge and belief, the Owner has performed wher's Report in accordance with the requirements of the ASME By signing this certificate neither the Inspector nor his employed warinations and corrective measures described in this Owner's hall be liable in any manner for any personal injury or property dispection.	FACTOR d examinations E Code, Section rer makes any Report. Furth	Y MUTUAL INSUE have inspecte to s and taken correct on XI. warranty, expresse hermore, neither th ss of any kind arisin	ANCE CO. d the components described - O C, and state that ve measures described in this d or implied, concerning the a laspector nor his employer

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

(

1. Owne	۲	PPL Susquehanna	, LLC.		Date		05/0	07/2002
	769 Sale	em Blvd, Berwick, PA	18603	<u> </u>	Sheet _	2	of _	2
2. Plant	Susq	uehanna Steam Elec	tric Station		Unit		C	DNE
	769 Sale	m Blvd, Berwick, PA	18603					BELOW O. No., Job No., elc.
3. Work	Performed by	PPL Susqueha	anna, LLC.		Type Cod	e Symbol Sta	imp	None
	769 Sale	m Blvd, Berwick, PA	18603		Authoriza	tion No.		N/A
		Address			Expiration	Date		N/A
4. Inder	ntification of System		CONTAINME	ENT INST	RUMENT	GAS SYS	TEM	125A, CLASS II
(b) /		tion Code ASME Sec f Section XI Utilized for Re ents Repaired or Replace	pairs or Replace		89			N/A* Code Case E EDITION BELOW)
ITEM(S)	WORK ORDER	DESCRIPTIC	N OF WORK		DESCRIP			CODE EDITION/ADD (ASME SECT. III)

1-6	266726	126018 & 126029, SPHCB111-H2001; REPLACED VALVES & RELOCOATED SMALL PIPE SUPPORT CLIP	NON VT-002 PER MI-PS-008	ORIGINAL & REPLACEMENT VALVES 1974 EDITION WINTER 1974 ADDENDA PIPE SUPPORT BUILT TO 1971 EDITION WINTER 1972 ADD
7	266726	SPHCB111-H1, REPAIRED GOUGE IN PIPE SUPPORT MEMBER BY WELDING	NONE	'71 ED WIN '72 ADD

	utactured by EDW	Name and Address of N	LIGHT C	SAUNDERS Holder)	-		
Locat	tion of Installation	SUSAUCHANN	A SE		K PA	18603	
Բսու		Name and Address)	Nominal	Inlet Size	. '	Outlet Size	1
		_	c) Canadian		nch)	Coller Size	(inch)
	Series No.		Registration	(d) Drawing		(f) Nat'i.	(g) Ye
	or Type	No.	No.	No.	(e) Clas		Built
(1) (2) (3)	<u>B36274/F310</u>	<u>834EQ - 874EQ</u>	NA	D91-22 940	03,86	N/a	19
(4) (5) (6) (7)							
(8)							
. Desig	(f Working Pressura	VALVE B362 (Brief description o (Brief description o (8560 psi) (560 psi) (560 psi et 100	570 (Temperature)	hich equipment was d	<u> </u>	0.36-22	
(10) Desig Cold	gn Conditions2	. 560 psi	570 (Temperature)	hich equipment was d	ressure Cia		2
(10) . Desig . Cold . Press	gn Conditions(P Working Pressure sure Retaining Pieces	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) . Desig . Cold . Press	gn Conditions2 (P Working Pressura sure Retaining Pieces Mark No.	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) 	gn Conditions2 (P Working Pressura sure Retaining Pieces Mark No.	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) . Desig . Cold . Press	gn Conditions2 (P Working Pressura sure Retaining Pieces Mark No.	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) 	gn Conditions2 (P Working Pressura sure Retaining Pieces Mark No.	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) 	gn Conditions2 (P Working Pressura sure Retaining Pieces Mark No.	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) . Desig . Cold . Press	gn Conditions2 (P Working Pressura sure Retaining Pieces Mark No.	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) . Desig . Cold . Press (a) C <u>i</u> (a) C <u>i</u> 	gn Conditions (P Working Pressura sure Retaining Pieces Mark No. astings orgings	560 psi Pressure) 3600 pzi et 100	570 (Temperature)	nich equipment was d	ressure Cia		2
(10) . Desig . Cold . Press (a) C <u>i</u> (a) C <u>i</u> 	gn Conditions Working Pressura sure Retaining Pieces Mark No. astings orgings 2ESA & JKJ-3	2560 psi Pressure) 3600 pzi et 100 Material Spe 	5 70 (Tempersture) PF. c. No.	Menutace		ля <u>1500</u> Remi	p srks
(10) . Desig . Cold . Press (a) C <u>i</u> (a) C <u>i</u> 	gn Conditions (P Working Pressura sure Retaining Pieces Mark No. astings orgings	2560 psi Pressure) 3600 pzi et 100 Material Spe	570 (Temperature) YF. c. No.	Manutaci		Rem	priks

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(1) For manually operated valves only.

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^{*} Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

ITEM 1, PAGEL VALVE SIN 83

Mark No.	Material Spec. No.	Manufacturer	Remarks
Bolting			
· · · · · · · · · · · · · · · · · · ·			
(d) Other Parts			
	· · · · · · · · · · · · · · · · · · ·		
	<u> </u>		<u> </u>

9. Hydrostatic test 5400 psi. Disk Differential test pressure 3575 psi.

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CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules	s of
construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. I., Edition	·
Addenda WINTER 1974, Code Case NoNA Date	
Signed EDWARD VALVES INC. by With the	
(a) Contribute Melder)	20
Our ASME Certificate of Authorization No. N-1562 to use the	9 .

CERTIFICATION OF DESIGN

Design information on file at
Stress analysis report (Class 1 only) on file at
Design specifications certified by (1) MATTHEN HOBER JR
PE State Fieg. No
Stress analysis certified by (1) S. L. Adams III
PE State AC Reg. No H &7
(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued and the State or Province of NORTH CAROLINA	by the National Board of Boiler and Pressure Vessel Inspectors and employed by
of HARTFORD CT have insp	pected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the N Certificate Holder has con-
structed this pump, or valve, in accordance with the ASI	
By signing this certificate, neither the Inspector nor his	employer makes any warranty, expressed or impliad, concerning
the equipment described in this Data Report. Furtherm	ore, neither the inspector nor his employer shall be liable in any
	lioss of any kind arising from or connected with this inspection.
Date 3-12 1992	Commissions NC 1083
/(Megector)	(Nat'l Bd., State, Prov. and No.)

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134D-III

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

1. Owner			hanna, LLC.		Date	Date 05/13/2002			
	769 Sa	ilem Blvd, Berwi	ck, PA 18603		Sheet 1	of	3		
	S	Address							
2. Plant	50:	squehanna Stea		on	Unit		ONE		
	769 Sa	iem Blvd, Berw	ick, PA 18603		SEE PAGE 3				
		Address		· · · · · · · · · · · · · · · · · · ·	Repa	iir Organizatio	n P.O. No., Job No., etc.		
3. Work Per	formed by	PPL Su	squehanna, LLC	<u>. </u>	Type Code Sym	bol Stamp	NONE		
	769 Sa	ilem Blvd, Berwi			Authorization No)_	N.A.		
		Address			Expiration Date		N.A.		
4. Identifica	ition of Syster	п	CORE SPRAY			 STEM 13			
	-								
	icable Construicable Edition	of Section XI Utilize				Addenda CC: N-410	A.F.	de Case ARKS	
6. Identifica	tion of Comp	onents Repaired or	Replaced and Repla	acement Compor	nents				
r		r	<u></u>		·····	r	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)	
1) UPPE HOSE	R FLEX (U. COIL)	ANAMET	51399532281- 01-001	N.A .	1E231B	1994	REPLACED	NO	
	R FLEX (U. COIL)	ANAMET	011498C525- 665-006	N.A.	1E231B	1998	REPLACEMENT	NO	
3) LOWE HOSE	R FLEX (U. COIL)	ANAMET	061496520647- 01-004	N.A.	1E231B	1996	REPLACED	NO	
4) LOWE HOSE	R FLEX (U. COIL)	ANAMET	10249853103- 001-008	N.A.	1E231B	1999	REPLACEMENT	NO	
	IMP ROOM ER HX	AEROFIN	900636	Ñ.A.	1E231B (UPPER COIL)	1990	REPAIRED	YES	
-,	IMP ROOM ER HX	AEROFIN	900637	N.A.	1E231B (LOWER COIL)	1990	REPAIRED	YES	
1	IMP ROOM ER HX	AEROFIN	900638	N.A.	1E231D (UPPER COIL)	1990	REPAIRED	YES	

7. Description of Work		SEE PAGE 3 FO	OR DES	CRIPTION OF WORK	& TESTS CO	NDUCTED.
8. Tests Conducted:	Hydrostatic Other	Pneumatic Pressure		Nominal Operating Pressure si Test Temp.	• 🗌 •F	SEE PAGE 3 SEE PAGE 3

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 FLEX HOSES ARE CONSTRUCTED TO ANSI B31.1 REQUIREMENTS; ORIGINAL CODE OF Applicable Manufacturer's Data Reports to be attached

CONSTRUCTION FOR AEROFIN HEAT EXCHANGERS (ROOM COOLERS) IS ASME SECTION VIII,

DIVISION 1, 1986 EDITION WITH NO ADDENDA; CODE CASE 1997-2.

CERTIFICA	TION OF COMPLIANCE
We certify that the statements made in the report are	REPLACEMENT
SME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization NoN/A	Expiration Date N/A
Signed	Date Man 31 , 2002
Gwile di Owier's pesignee, rite Supv Site modifica	
the undersigned, holding a valid commission issued by the r Province of <u>PENNSYLVANIA</u> and employed JOHNSTON, RHODE ISLAND this Owner's Report during the period <u>12-11-0</u> to the best of my knowledge and belief, the Owner has perfor owner's Report in accordance with the requirements of the period By signing this certificate neither the Inspector nor his em xaminations and corrective measures described in this Ow	ormed examinations and taken corrective measures described in this

134D-III

YES

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

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8) CS PUMP ROOM COOLER HX

1. Owner	1. Owner PPL Susquehanna, LLC.			Date		0	5/13/2002		
	769 Salem Blvd, Berwick, PA 18603				Sheet _	2	of	3	
2. Plant								ONE	
	769 Sa	lem Blvd, Berwi	-					ED PAGE 3 OF 3	
3. Work Per	rformed by	Address PPL Su:	squehanna, LLC	<u>D.</u>	Type Cod	e Symbol S	-	n P.O. No., Job No., etc. NONE	
	769 Sa	alem Blvd, Berwi	Name ck, PA 18603		Authorizal	ion No.		N.A.	
		Address			Expiration	Date	-	N.A.	
4. Indentifi	cation of Syste	em	CORE SPRAY	PUMP RO		G SYST	EM 13	34D, CLASS 3	
(b) App		n of Section XI Utilize	•	eplacements 1	9 89		denda, N-416	-1 * SEE REMARK	de Case S
6. Identifica	ation of Comp	onents Repaired or	Replaced and Repl	acement Com	ponents				
	me of iponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificat		rear Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

N.A.

900639

AEROFIN

1E231D (LOWER COIL) 1990

REPAIRED

134D-III

VT-2 PER SE-054-301 TEMP: 35 °F / PRESS: 129 PSIG

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

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7 - 8

317159

1. Owner	PPL Susque	-	Date	05	/13/2002		
<u></u>	769 Salem Blvd, Berwick, PA 18603			<u>3</u> of	3		
2. Plant -	Susquehanna Stea		Unit		ONE		
<u> </u>	769 Salem Blvd, Berwi Address	ck, PA 18603	SEE BELOW Repair Organization P.O. No., Job No., etc.				
3. Work Perl		squehanna, LLC.	Type Code	ype Code Symbol Stamp NONE			
	769 Salem Blvd, Berwig		Authorizati	Authorization No. N.A.			
	Address		Expiration	Expiration Date N.A.			
4. Identifica	tion of System	CORE SPRAY PUMP ROO		SYSTEM 134	4D, CLASS 3		
5. (a) Applicable Construction Code III 19 71 Edition, thru W*72 Addenda, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CC:N-416-1 * SEE F							
6. Identifica	tion of Components Repaired or I	Replaced and Replacement Comp	onents				
ITEM(S) WORK AUTHORIZATION	DESCRIPTION OF W	ORK	DESC	RIPTION OF TESTS		
1 - 6	317157	· ·	1E231B, REPAIRED COILS BY WELDING & VT-2 PER SE-000-0 UPPER COIL UPPER & LOWER TEMP: 35 °F / PRESS: 12				

FLEX HOSE 1E231D, REPAIRED COILS BY WELDING

134E-III

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	0	5/06/2002	
	769 Sa	alem Blvd, Berw			Sheet	of	2	
2. Plant	Su	squehanna Stea	am Electric Static	n	Unit		ONE	
	769 Sa	lem Blvd, Berw					AGE 2 OF 2	
3. Work Perl	formed by	Address PPL Su	Isquehanna, LLC				n P.O. No., Job No., etc. NONE	
	769 Sa	Ilem Blvd, Berw			Authorization	No	N.A.	
		Address			Expiration Dat	te	N.A.	
4. Identifica	tion of Syster	m	HPCI PUM	P ROOM CC	OLING SYST	EM 134E,	CLASS 3	
(b) Appli	icable Edition	of Section XI Utiliz	III 19 ed for Repairs or Re Replaced and Repla	placements 19	89	_ Addenda, _ CC: N-41	Сс 6-1 (* SEE COMME	ide Case NTS)
	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)
1) FLEX H (UPPER		ANAMET	N/A	N/A	1E229A	1987	REPLACED	NO
2) FLEX F (UPPER		ANAMET	10249853103001 -001	N/A	1E229A	1999	REPLACEMENT	NO
3) HPCI F	NOOM	AEROFIN	900613	N/A	1E229B	1990	REPAIRED	YES

7. Description of Work SEE SHEET 2 FOR DESCRIPTION OF WORK & TESTS CONDUCTED.

8. Tests Conducted:	Hydrostatic Pneumatic	c Nominal Operating Pressure		SEE SHEET 2
	Other Pressure	psi Test Temp.	۴F	SEE SHEET 2

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

9. Remarks FLEX HOSES ARE CONSTRUCTED TO ANSI B31.1 REQUIREMENTS; ORIGINAL CODE OF Applicable Manufacturer's Data Reports to be attached

CONSTRUCTION FOR AEROFIN HEAT EXCHANGERS (ROOM COOLERS) IS ASME SECTION VIII,

DIVISION 1, 1986 EDITION WITH NO ADDENDA; CODE CASE 1997-2.

	······································
CERTIFICATION OF CO	MPLIANCE
We certify that the statements made in the report are correct and this	REPAIR & conforms to the rules of the REPLACEMENT
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A Expiration	on Date N/A
Signed Dat	e May 31 , 2002
	·
JOHNSTON. RHODE ISLAND in this Owner's Report during the period <u>6-26-01</u> to the best of my knowledge and belief, the Owner has performed examination Owner's Report in accordance with the requirements of the ASME Code, Sec By signing this certificate neither the Inspector nor his employer makes an examinations and corrective measures described in this Owner's Report. Fu shall be liable in any manner for any personal injury or property damage or a inspection. Commissions N	DRY MUTUAL INSURANCE CO, of have inspected the components described to 12 - 19 - 01, and state that ons and taken corrective measures described in this stion XI. by warranty, expressed or implied, concerning the inthermore, neither the Inspector nor his employer loss of any kind arising from or connected with this

134E-III

FORM NIS-2 OWNE	ER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required b	y the Provisions of the ASME Code Section XI

1. Owner _	. Owner PPL Susquehanna, LLC.				Date		05/0	06/2002	
	769 Sale	em Blvd, Berwic	k, PA 1860	3		Sheet	2	of	2
		Address							
2. Plant	2. Plant Susquehanna Steam Electric Station					Unit			ONE
	769 Sale	em Blvd, Berwic		3				SEE BE	ELOW
<u>.</u>		Address					Repair Or	ganization P	.O. No., Job No., etc.
3. Work Perfor	med by	PPL Sus	quehanna, L	LC.		Type Code	e Symbol S	Stamp	NONE
			Name						
	769 Sale	em Blvd, Berwic	k, PA 18603	3		Authorizat	ion No.		N.A.
<u> </u>		Address					-		
						Expiration	Date		N.A.
4. Identificatio	n of System		HPCI PL	JMP RO	оо мс	DLING SY	STEM 1	34E, C	LASS 3
5. (a) Applica (b) Applica		ction Code		19 <u>71</u> Replacem	,	thru W [*] 89	/\u	denda, _ de Case I	Code Case
6. Identificatio	n of Compor	nents Repaired or R	eplaced and Re	eplacemen	t Compon	ents			
ITEM(S)		WORK THOR./ORDER	DES	SCRIPTION	OF WOR	 κ		DESCR	IPTION OF TESTS
1-2		285445	1E229A, RI	EPLACE U	PPER FL	EX HOSE	ТЕ		PER SE-000-017 °F / PRESS: 130 PSIG
3		339721	1E229B, RI	EPAIRED	COIL BY V	WELDING	ТЕ		PER SE-000-017 °F / PRESS: 125 PSIG

134F-III

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	0	5/01/2002	
	769 Sa	alem Blvd, Berw	ick, PA 18603		Sheet	1 Of	11	
2. Plant	Su	squehanna Stea		on	Unit		ONE	
	769 Sa	lem Blvd, Berw					98486 & 198487	
3. Work P	erformed by		squehanna, LLO	<u>C.</u>		Symbol Stamp		<u> </u>
	769 Sa	alem Blvd, Berwi			Authorization	n No	N.A.	
		, 100,000			Expiration D	ate	N.A.	
4. Identifi	cation of Syster	m	RCIC PUM	IP ROOM CO	OLING SYS	TEM 134F,	CLASS 3	
(b) Ap	plicable Edition	uction Code	ed for Repairs or Re		89		• C 6-1 (* SEE COMME	ode Case ENTS)
6. Identifi	cation of Comp	onents Repaired or	Replaced and Repla	acement Compor	nents			
N	ame of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced, or	ASME Code Stamped

Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
1) RCIC ROOM COOLER COIL	AEROFIN	900608	N/A	1E228A	1990	REPAIRED	YES
2) RCIC ROOM COOLER COIL	AEROFIN	900609	N/A	1E228B	1990	REPAIRED	YES

7. Description of Work

PERFORMED MINOR WELD REPAIRS ON HEAT EXCHANGER ENDBELLS .

8. Tests Conducted:	Hydrostatic Pneumatic	Nominal Operating Pressure	* (* NON VT-2 PER MI-PS-008)
	Other Pressure	psi Test Temp.	°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 ORIGINAL CODE OF CONSTRUCTION FOR AEROFIN HEAT EXCHANGERS (ROOM COOLERS) Applicable Manufacture's Data Reports to be attached

IS ASME SECTION VIII, DIVISION 1, 1986 EDITION WITH NO ADDENDA; CODE CASE 1997-2.

CERTIF	ICATION OF COMPLIANCE	
We certify that the statements made in the report ASME Code, Section XI.	t are correct and this REPAIR repair or replacement	conforms to the rules of the
Type Code Symbol Stamp	N/A	
Certificate of Authorization No. N/A	Expiration Date	N/A
Signed Owner or Owner's Designer, Title Supv Site Mo	Date Mary 31	, 20 02
	ON OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued b or Province of <u>PENNSYLVANIA</u> and emplo	by the National Board of Boiler and Pressure oyed by FACTORY MUTUAL INSURA	
JOHNSTON, RHODE ISLAND in this Owner's Report during the period 5-9-6		the components described
in this Owner's Report during the period		
Owner's Report in accordance with the requirements of	the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor h examinations and corrective measures described in this		
shall be liable in any manner for any personal injury or		
inspection.	i i	i 1 1
Detton E. Tillen	L Commissions NB 8845 A/	1/1/B/NS Pa236/
Inspector's Signature	National Board, Spate,	Provinge, and Endorsements
Date June 3 20 DZ		

134G-III

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

1. Owner	PPL Sus	quehanna, LLC.			Date		05/0	06/2002
	769 Salem Blvd, Bo Address		3		Sheet _	1	of	2
2. Plant	Susquehanna S	Steam Electric Sta	ation		Unit		(DNE
	769 Salem Blvd, B Address		3				SEE PAG	E 2 OF 2 O. No., Job No., etc.
3. Work Pe	erformed by PPL	Susquehanna, L Name	LC.		Type Code		-	NONE
	769 Salem Blvd, Be		}		Authorizati	ion No.		N.A.
					Expiration	Date		N.A.
4. Identific	ation of System	RHR PU	MP RO	ом соо	LING SY	STEM 1	34G, CL	ASS 3
(b) App	blicable Construction Code plicable Edition of Section XI u ation of Components Repaire	Itilized for Repairs or I	•	ents 19	thru W'7 89 ents	/10	denda, :: N-416-1	Code Case (*SEE COMMENTS)
[· · · · · · · · · · · · · · · · · · ·						<u> </u>	

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) RHR PMP ROOM COOLER COIL	AEROFIN	900620	N/Á	1E230B (UPPER COIL)	1990	REPAIRED	YES	
2) RHR PMP ROOM COOLER COIL	AEROFIN	900616	N/A	1E230A (UPPER COIL)	1990	REPAIRED	YES	I

7. Description of Work SEE SHEET 2 FOR DESCRIPTION OF WORK & TESTS CONDUCTED.

8. Tests Conducted:	Hydrostatic Pneumatic	Nominal Operating Pressure		SEE SHEET 2
	Other Pressure	psi Test Temp.	۴F	SEE SHEET 2

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 ORIGINAL CODE OF CONSTRUCTION FOR AEROFIN HEAT EXCHANGERS (ROOM Applicable Manufacture's Data Reports to be attached

COOLERS) IS ASME SECTION VIII, DIVISION 1, 1986 EDITION WITH NO ADDENDA;

CODE CASE 1997-2.

CERTIFICATION	N OF COMPLIANCI	E		
We certify that the statements made in the report are correct and this ASME Code, Section XI.		AIR conforms	ns to the rules of the	
Type Code Symbol Stamp	N/A	·		
Certificate of Authorization No. N/A	Expiration Date	N	I/A	
Signed	Date Man	y 31	200 2	
JOHNSTON, RHODE ISLAND in this Owner's Report during the period $11 - 6 - 0$, to the best of my knowledge and belief, the Owner has performed Owner's Report in accordance with the requirements of the ASME By signing this certificate neither the Inspector nor his employe examinations and corrective measures described in this Owner's shall be liable in any manner for any personal injury or property day inspection.	onal Board of Boiler and FACTORY MUTUA have to to to to to to to to to to	Pressure Vessel Ins LINSURANCE CO. inspected the compo 	of onents described , and state that s described in this concerning the nor his employer onnected with this VS	

134G-III

NON-VT-2 PER MI-PS-008

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				05/06/2002		
	769 Salem Blvd, Berwi Address	ck, PA 18603	Sheet _	2	of	2	
2. Plant _	Susquehanna Stea		Unit	ONE			
769 Salem Blvd, Berwick, PA 18603			SEE BELOW Repair Organization P.O. No., Job No., etc.				
3. Work Performed by PPL Susquehanna, LLC.		Type Code	ode Symbol Stamp NONE				
769 Salem Blvd, Berwick, PA 18603		Authorization No. N.A.		N.A.			
	Address		Expiration	Date		N.A.	
4. Identificat	tion of System	RHR PUMP ROOM	COOLING SY	STEM 13	4G, CLA	SS 3	
	cable Construction Code		· · · · · · · · · · · · · · · · · · ·		enda, * N-416-1 (*	Code Case SEE COMMENTS)	
6. Identificat	tion of Components Repaired or	Replaced and Replacement Co	mponents				
ITEM(S	S) WORK AUTHOR./ORDER	DESCRIPTION OF	DESCRIPTION OF WORK		DESCRIPTION OF TESTS		
1	237369				VT-2 PER SE-000-017 MP: 52°F / PRESS: 125 PSIG		

1E230A, REPAIRED UPPER COIL ENDBELLS BY GRINDING

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339726

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135B-III

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

ם. 0י	wner		hanna, LLC.		Date	0	5/07/2002	
	769 Sa	lem Blvd, Berwi			Sheet	<u>1</u> o	r 1	
2. Pl	ant Sus	squehanna Stea		on	Unit		ONE	
	769 Sal	em Blvd, Berw	ick, PA 18603	. <u> </u>			CRF # 01-135-0	001
3. W	ork Performed by	PPL Su	squehanna, LL(<u>C.</u>	Type Code Sy			
	769 Sa	lem Blvd, Berwi	ck, PA 18603		Authorization N	ło	N/A	
					Expiration Date		N/A	
4. lo	dentification of Systen	n	F(JEL POOL CO	DOLING 135B	CLASS I		
	a) Applicable Constru (b) Applicable Edition						Co 1(* SEE SEC	de Case TION 9)
6. ld	dentification of Compo	onents Repaired or I	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)	VALVE	PACIFIC	0109-6	N/A	153009B	1976	REPLACED	YES
2)	VALVE	FLOWSERVE	E716A-1-1	N/A	153009B	1999	REPLACEMENT	YES

7. Description of Work			-	VALV	E REPL	ACEMENT B	Y WEL	DING	
	- Hydrostatic Other	Press	Pneumatic	123	Nomir psig	al Operating Pres	ssure 82		

1. **1**. 1. 1.

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

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9. Remarks CODE DATA REPORT(S) ATTACHED. PACIFIC, '71 EDITION WINTER '72 ADD. Applicable Manufacture's Data Reports to be attached

FLOWSERVE REPLACEMENT VALVE, '71 ED WINTER '72 ADD CC 1567.

Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Main of the system N/A Date N/A Owner or Owner's Designed. Trile Suppr Site Modifications Group Date , 20 o 2 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		CERTIFICATION OF CON	IPLIANCE
Certificate of Authorization No. N/A Expiration Date N/A Signed Junce 1 2 , 20 5 2 Owner or Owner's Designer, Title Supv Site Modifications Group Date Junce 1 2 , 20 5 2 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 Supv Site Modifications of the SME 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. 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. By light in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection. William T. Transmott Commissions N87980 A, N, F, B, NS PA 2 20 4	We certify that the statements man SME Code, Section XI.	de in the report are correct and this	
Certificate of Authorization No. N/A Date N/A Signed Jonner's Designer, Title Supv Site Modifications Group Date Jonner's Designer, Title 20 o 2 CERTIFICATION OF INSERVICE INSPECTION COMMENTION OF INSERVICE INSPECTION COMMENTION OF INSERVICE INSPECTION Intermediation and employed by FACTORY MUTUAL INSURANCE CO. O for Dot	Type Code Symbol Stamp		N/A
CERTIFICATION OF INSERVICE INSPECTION 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	Certificate of Authorization No.	NI/A E E	n N/A
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of <u>JOHNSTON, RHODE ISLAND</u> <u></u>		vm	June 12 , 20 0 2
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of <u>JOHNSTON, RHODE ISLAND</u> <u></u>			
	the undersigned, holding a valid comm Province of <u>PENNSYLVANIA</u> <u>JOHNSTON, RHODE ISLAND</u> this Owner's Report during the period the best of my knowledge and belief, t wner's Report in accordance with the r By signing this certificate neither the l aminations and corrective measures d all be liable in any manner for any period	ission issued by the National Board o and employed by <u>FACTOR</u> <u>5-47-00</u> he Owner has performed examination equirements of the ASME Code, Sect nspector nor his employer makes any escribed in this Owner's Report. Fur sonal injury or property damage or a lo	Boiler and Pressure Vessel Inspectors and the Star MUTUAL INSURANCE CO. have inspected the components described to, and state the is and taken corrective measures described in this on XI. warranty, expressed or implied, concerning the thermore, neither the Inspector nor his employer oss of any kind arising from or connected with this

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

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As Required by the	Provisions of the	ASME Code Ru	les
	•		

Flowserve Corp.			
FLOWGETVE COTD.	•		
	Williamsport, P.	A 17701 Orde	r No. E716A-1
	& Address of Manufacturer)	0100	
V ²			1
Pennsylvania Power Manufactured for <u>PO Box 25223, Leic</u>	& Light Company	12-5223 Orde	No 8-15753-1
Manufactured for PO BOX 25225; Dere	(Name and Address)	0.10	
	•	•	
Owner Pennsylvania Power & Lic	ht Company		
	•		
Location of PlantSusquehanna, 5 m	iles NE of Berwic	k on US Rt 11, PO	Box 467, Berwick,
			18
Roman Valve Identification E716A-1	1-1/		
6" - 150# Durabla	Check Value		
	a Check valve	wigment was designed)	
(Brief desch)	ption of service for which eq		
(a) Drawing No. <u>W9925243</u> Rev. A	Flows	erve Corp.	
(a) Drawing No	_ Prepared by		
(b) National Board NoN/A			
(b) National Doard No	21.	2	
135 Design Conditions 285 (Pressure)	nsi 10	Ď °F	
(Pressure)	(Temperatu	re)	
Edition 1971 , Addenda Dat	•		
	e Winter 72/	Case No 1567 /	r
Edition 1971 , Addenda Dat Mark No.	•		
Mark No.	e Winter 72/	Case No 1567 /	Remarks
Mark No. (a) Castings Body Ht #9145N	e Winter 72/	Case No 1567 /	Remarks
Mark No.	e Winter 72/, Material Spec. No.	Case No 1567 /	Remarks
Mark No. (a) Castings Body Ht #9145N S/N - L180	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarka nC .
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No.	Case No 1567 /	Remarks nC .
Mark No. (a) Castings Body Ht #9145N S/N - L180	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarks nC .
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarks nC .
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarka nC .
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarke nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarka nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N/ S/N - L180 / Disc Ht #D4523 S/N - L328 /	e Winter 72/, Material Spec. No. SA216-WCB	Case No. 1567 / Manufacturer PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarke nC.
Mark No. (a) Castings Body Ht #9145N S/N - L180 Disc Ht #D4523 S/N - L328 (b) Forgings End Pieces Ht #G5683	e Winter 72/, Material Spec. No. SA216-WCB SA351-CF8M	Case No. 1567 / Manufacturer PRL Industries I PRL Industries I	Remarks nC.

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
	Bolting			
(6)	Studs	SA193-B7	NOVA Machine Prod	ucts Corp.
	Ht 85098			
	Nuts			
	Ht 527778 /	SA194-2H	Allied Group	
(d)	Other Parts			
	N/A			
			<u></u>	
			1	
		<u> </u>		L
8 Hvdro	ostatic test450 psi	•		
			DESIGN	
	Li	ERTIFICATION OF	DESIGN	
	information on file atFlowserve (Corp., 701 Firs	t St., Williamspor	t, PA 17701
	M/A		•	
Deciess	analysis report on file at 17A specifications certified by Dale Sa	attar	(1) Prof. Eng. State_	PA Reg. No.019525-E
Sucess	analysis report certified by <u>N/A</u>		(1) Prof. Eng. State_	Reg. No
(1) Sig	nature not required. List name only.			
(-)0	· · ·			
We cer	tify that the statements made in this repor	rt are correct.		
	9/20 99		B. RL. H	annest;
Date_	9/20 19 99 Signed	Flowserve Corp. (Manufacturer)	By	
i				
Certifi	cate of Authorization No. <u>N1712</u>	expires 4/15/0	/ <u>1 </u>	
	CERTI	FICATE OF SHOP I	NSPECTION	
				•
I. t	he undersigned, holding a valid commiss	ion issued by the Nati	onal Board of Boiler and P	ressure Vessel Inspectors
and/or	the State of Review of Ponnsylvan	<u>ia</u> and em	ployed byCommercial I	Inion Ins. Co.
of	Boston, MA		have inspected the equipm	ent described in this Data
Report	01 7-20th 9-21 19 99,	and state that to the	best of my knowledge an	d belief, the Manufacturer
Bv	nstructed this equipment in accordance wi signing this certificate, neither the Insp	ector nor his employe	r makes any warranty, expr	essed or implied, concern-
ing the	e equipment described in this Data Report for any personal injury or property damag	. Furthermore, neither	the Inspector nor his emplo	oyer shall be liable in any
manne	for any personal minty of property damag		a misting itom of connected	with dife hespectroni
Date_	<u> </u>			
	· · · · · · · · · · · · · · · · · · ·			
) ha h . 1			
L	naur pring		Pennsylvania 23	
	(Inspector) Charles Young		(National Board, State,	FTOVIDCE AND NO.).
		··· <u></u> , · · · =		

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145A-II

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

1. Owner	<u> </u>		ehanna, L	LC			Date		05	/07/2002	. <u>.</u>
	769 Salem	Blvd, Berwi		8603			Sheet _	1	Of		1
2. Plant	Susque	ehanna Stea		c Statior	<u>۱</u>		Unit			ONE	
	769 Salem	Blvd, Berw		8603						# 389668	
		Address						·	-	P.O. No., Job No.	
3. Work Per	formed by	PPL Su	Name	na, LLC			Type Code	e Symbol	Stamp -	N	lone
	769 Salem	Blvd, Berwi	ck, PA 18	8603			Authorizat	ion No.		N/A	
		Address					Expiration	Date		N/A	
4. Identifica	ition of System			FE	EDW	ATER S	YSTEM 1	45A, CL	ASS II		
	icable Construction icable Edition of S		III ed for Repai	19 rs or Rep	71 lacem	Edition, ents 19	thru W" 89	72 Ad	denda,	N/A	_ Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

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) VALVE (DISC)	BW/IP	E242A-1-1 (VALVE)	N/A	141F039B	1998	REPLACED	YES
2) VALVE (DISC)	BW/IP	8	N/A	141F039B	1998	REPLACEMENT	YES
3) VALVE	BW/IP	E242A-1-1 (VALVE)	N/A	141F039B	1998	REPAIRED	YES

7. Description of Work

REPLACED VALVE DISC, WHICH REQUIRED DRILL & PIN OF DISC

8. Tests Conducted:	Hydrostatic Pneu	ımatic 🔲 Nor	ninal Operating Pressure	(NON VT-002 PEF	R MI-PS-008)
	Other Pressure	psi	Test Temp.	°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.

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9. Remarks	CODE DATA REPORT(S) ATTACHED
	Applicable Manufacturer's Data Reports to be attached
	

	CERTIFICATION	OF COMP	LIANCE	
We certify that the statements ma ASME Code, Section XI.	de in the report are correct	and this	REPAIR repair or replacement	conforms to the rules of the
Type Code Symbol Stamp			N/A	
Certificate of Authorization No.	N/A	Expiration Date		N/A
Signed Officer or Owner's Opsignee, Tille	Supv Site Modifications Gro	Date	May 31	, 200 2
, the undersigned, holding a valid common Province of <u>PENNSYLVANIA</u> JOHNSTON, RHODE ISLAND In this Owner's Report during the period to the best of my knowledge and belief, in Dwner's Report in accordance with the r By signing this certificate neither the examinations and corrective measures of thall be liable in any manner for any per inspection.	and employed by 3 - 9 - 02 the Owner has performed ex- equirements of the ASME C inspector nor his employer r lescribed in this Owner's Re	al Board of E FACTOR t taminations ode, Section nakes any w port. Furthe	Boiler and Pressure <u>MUTUAL INSUI</u> have inspection and taken correction n XI. varranty, expresse ermore, neither the s of any kind arisin	RANCE CO. of ted the components described -02, and state that we measures described in this d or implied, concerning the hispector nor his employer

Assigned to: ????

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Assigned to: ????

FOR INFORMATION ONLY

FOR INFORMATION ONLY

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Expires On: \??

Expires On: \?

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L (a) Manufactured by BW/IP International, 1	Unc. Valve Division, 701 First St., Williamsp
(b) Manufactured for Pennsylvania Power &	Light Co., PO Box 25223, Lehigh Vqlley, PA 1
	Marries of H Carelinson Houses for completion approximately S/N - 8 No. No.
·	Drawing Prepared by BW/IP Int'l. Inc., Valv
	Heat #F8929 SA105
	71. Addends dare W72 , Case No. Class 2
Remarks: <u>3" - 900# Swing Chec</u>) (Did Complete	
BW/IP Shop Order E2421	A-2
· · ·	·
Date 19 10 Signed Valve D:	According Specification and Stress Report of the apportments in According to the second stress Report of the apportments in International, Inc. Ivision By RS Dannet No Certificate of Anthonization No N1713
Date 19 18 Signed Valve Di correct Certificate of Aethorization Expires 4/15/98 CERTIFICATION OF DESIGN 1	nternational, Inc. ivision By R& Stannet refease Madern Certificate of Anthonization NoN1713 FOR APPURTENANCE (when epplicable)
Date 19 18 Signed Valve Di correction Certificate of Authorization Expires 4/15/98 CERTIFICATION OF DESIGN I Design information on file of	nternational, Inc. ivision By R. S. Stannet referent Nation Certificate of Anthonization No. N1713 FOR APPURTENANCE (when epplicable)
Dans 19 TO Signed Valve D: OUT Co Certificate of Astherization Expires 4/15/98 CERTIFICATION OF DESIGN Design information on file at Stress analysis report on file at	nternational, Inc. RS Stannet ivision By RS Stannet
Dass 19 10 Signed Valve Di correction of Astherizzation Expires 4/15/98 CERTIFICATION OF DESIGN I Design information on file of Stress analysis report on file of Design specifications certified by	nternational, Inc. R. Hannet ivision By R. Hannet
Dass 19 10 Signed Valve D: OUT CO Certificate of Astherization Expires 4/15/98 CERTIFICATION OF DESIGN I Design information on file at Stress analysis report on file at Design specifications certified by Stress analysis report certified by	nternational, Inc. R. Stannet ivision By R. Stannet reference Mathematican No
Dans 19 10 Signed Valve Di correction of Authorization Expires 4/15/98 CERTIFICATION OF DESIGN I Design information on file of Stress analysis report on file at Design specifications certified by Stress analysis report certified by CERTIFICATE	nternational, Inc. R. Stannet ivision By R. Stannet reference Madern Certificant of Anthorization NoN1713 FOR APPURTENANCE (when applicable) Prof. Eng. State Reg. No Prof. Eng. State Reg. No E OF SHOP INSPECTION
Date	nternational, Inc. ivision By R.S. Marvnut N1713 FOR APPURTENANCE (when applicable) Prof. Eng. State Reg. Ne. Prof. Eng. State Reg. Ne. Prof. Eng. State Reg. Ne. E OF SHOP INSPECTION M by the National Board of Bailer and Pressure Vescoi Inspection
Dane	nternational, Inc. R. Hannut ivision By R. Hannut "Educe Hader" Certificase of Anthorization No. N1713 FOR APPURTENANCE (when applicable) Prof. Eng. State Reg. No Prof. Eng. State Reg. No Prof. Eng. State Reg. No E OF SHOP INSPECTION of by the National Board of Bailer and Pressure Vessel Laspectures and employed by <u>COmmercial Union Insurance Compa</u> have inspected the part of a pressure vessel described in this
Date	nternational, Inc. ivision By R.S. Marvnut
Dass	nternational, Inc. ivision By R.J. Mannut
Dass	nternational, Inc. ivision By R.S. Marvnut
Dars	nternational, Inc. By R.S. Harmut
Dans	nternational, Inc. ivision By R.J. Mannut

149A-II

(SEE ATTACHED LIST)

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

1. Owner		PPL Susque			Date	0	5/13/2002	
	769 Sal	em Blvd, Berwid			Sheet	1Of	2	
	-	Address						
2. Plant	Sus	quehanna Stear		on	Unit		ONE	
	769 Sale	em Blvd, Berwi	ck, PA 18603		5	SEE ATT	ACHED LIST	
		Address			,	-	n P.O. No., Job No., etc.	
3. Work Pe	rformed by _	PPL Sus	squehanna, LLC	<u>; </u>	Type Code Syn	nbol Stamp	None	
	769 Sal	em Blvd, Berwic	ck, PA 18603		Authorization N	o	N/A	
					Expiration Date		N/A	
4. Identific	ation of System		R POOL SPRA	Y PUMPS A	ND AUXILIARY	SYSTEM	1 149A, CLASS	
		ction Code of Section XI Utilize		71 Edition	·		Co TTACHED SHEET)	de Case
6. Identific	ation of Compo	nents Repaired or F	Replaced and Repla	acement Compo	nents			
	ame 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)
1) TUB SUB	ING ASSEMBLY	BECHTEL	N/A	N/A	JD-27-3-5C	1982	REPLACED	YES
2) TUB SUB	ING ASSEMBLY	PPL	N/A	N/A	JD-27-3-5C	2000	REPLACEMENT	NO
3) TUB SUB	ING ASSEMBLY	BECHTEL	N/A	N/A	JD-27-3-5A	1982	REPLACED	YES
4) TUB SUB	ING ASSEMBLY	PPL	N/A	N/A	JD-27-3-5A	2001	REPLACEMENT	NO
5) VALV	VE (DISC)	ANCHOR DARLING	E5854-34-3 (VALVE)	N/A	151F046C	1976	REPLACED	YES
6) VALV	VE (DISC)	ANCHOR DARLING	10	N/A	151F046C	1995	REPLACEMENT	YES
7) VALV	VE (DISC)	ANCHOR DARLING	10	N/A	151F046C	1995	REPAIRED	YES
							•	•
7. Descrip	tion of Work			SEEAI	TACHED LIST			

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

psi

8. Tests Conducted:

Hydrostatic

Other

Pneumatic

Pressure

Nominal Operating Pressure

Test Temp.

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9. Remarks	CODE DATA SHEET(S) ATTACHED.
	Applicable Manufacturer's Data Reports to be attached

	OF COM	PLIANCE	
We certify that the statements made in the report are correct a	and this	REPAIR & REPLACEMENT	conforms to the rules of the
ASME Code, Section XI.	-	repair or replacement	
Type Code Symbol Stamp		N/A	
Continente et Authorization No NUA	Expiration Date	ו 	N/A
Signed	Date	May 31	, 2002
CERTIFICATION OF INS	SERVIC	E INSPECTION	
I, the undersigned, holding a valid commission issued by the National or Province of <u>PENNSYLVANIA</u> and employed by <u>JOHNSTON, RHODE ISLAND</u> in this Owner's Report during the period <u>9–15-00</u> to the best of my knowledge and belief, the Owner has performed exa Owner's Report in accordance with the requirements of the ASME Co By signing this certificate neither the Inspector nor his employer m examinations and corrective measures described in this Owner's Rep shall be liable in any manner for any personal injury or property dama inspection.	FACTOR amination ode, Section bakes any port. Furt age or a lo	$\begin{array}{c c} & \text{AUTUAL INSUF}\\ \hline have inspective to the second secon$	ANCE CO of ted the components described the components described the components described in this d or implied, concerning the e Inspector nor his employer

1971 ED WIN '72 ADD

VALVE 71 ED WIN '72 ADD CC

1516-1, 1534; REPLACEMENT

DISC 71 ED WIN 72 ADD NO CC

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

1. Ov	vner	PPL	Susquehanna, LLC		Date		05/	/13/2002
			, Berwick, PA 18603		Sheet	2	of	2
2. Pla	ant		a Steam Electric Station		Unit	<u> </u>		ONE
			Berwick, PA 18603					T BELOW P.O. No., Job No., etc.
3. Wo	ork Perform		PPL Susquehanna, LLC		Type Code S			None
			, Berwick, PA 18603		Authorization	1 No		N/A
		Ad	dress		Expiration D	ate		N/A
4. In	dentificatio	n of System	RHR POOL SPRAY PU	MPS A		RY SYS	тем	149A, CLASS II
•		le Construction Code	ASME Sec III * 19 71 XI Utilized for Repairs or Replacem	Editior ents 19	•		enda, EE CO	N/A* Code Case DE EDITION BELOW)
6. Id	entification	of Components Rep	aired or Replaced and Replacemen	t Compo	onents			
ITEM	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF WORK		DISCRIPTIO TESTS	NOF	1	CODE EDITION/ADD (ASME SECT. III)
1-2	276541	00-149-021	JD-27-3-5C, REPLACED INSTRUM TUBING ASSOCIATED WITH PSH-		NON VT-2 PER M	II-PS-008		1971 ED WIN '72 ADD

NON VT-2 PER MI-PS-008

NON VT-2 PER MI-PS-008

1N022A

JD-27-3-5A, REPLACED INSTRUMENT

TUBING ASSOCIATED WITH PSH-E11-1N021A

151F046C, REPLACED VALVE DISC &

REPAIRED BY DRILLED NEW DISC RETAINING DISC NUT-LOCKING PIN

01-149-001

02-149-001

259680

258078

3-4

5-7

149B-III

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

1. 0	wner		ehanna, LLC		Date		05/13/2002	·
	769 Sa	alem Blvd, Berwi	ick, PA 18603		Sheet	<u>1</u> c	Of2	
2. P	lant Su	Address squehanna Stea	m Electric Stati	on	Unit			
		Nan					TACHED LIST	
_	769 Sa	Address	ICK, PA 18603				IACTED LIS I	
3. W	ork Performed by	PPL Su	squehanna, LL(<u> </u>			p <u>None</u>	
-	769 Sa	alem Blvd, Berwi	ck, PA 18603		Authorization	No.	N/A	
		Address			Expiration Da	ite	N/A	
4. 10	dentification of Syste	m	RHR STEAM	CONDENSIN	IG MODE SY	STEM 14	9B. CLASS III	
	(a) Applicable Constr (b) Applicable Editior	uction Code	III 19	71 Edition	, thru W'72	Addenda		ode Case
	dentification 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)
1)				Board		Built	Replaced, or	Code Stamped (Yes or
1) 2)	Component	Manufacturer	Serial No.	Board No.	Identification	Built 1979	Replaced, or Replacement	Code Stamped (Yes or No)
	Component	Manufacturer CROSBY	Serial No. N60598-00-001	Board No. N/A	Identification PSV11213A	Built 1979 1979	Replaced, or Replacement REPAIRED	Code Stamped (Yes or No) YES
2)	Component VALVE (BASE) VALVE (DISC)	ANDERSON GREENWOOD	Serial No. N60598-00-001 N60598-00-001 N91855-54-	Board No. N/A N/A	Identification PSV11213A PSV11213A	Built 1979 1979	Replaced, or Replacement REPAIRED REPLACED	Code Stamped (Yes or No) YES YES

7. Description of Work

SEE ATTACHED LIST

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure (SEE ATTACHED LISTS)
Other Pressure psi Test Temp. °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.

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9. Remarks	CODE DATA	REPORT(S) ATTACHED.
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 Applicable Manufacturer's Data Reports to be attached

CERTIFICATION	OF COMPLIANCE	
We certify that the statements made in the report are correct	and this REPAIR & REPLACEMENT	conforms to the rules of the
ASME Code, Section XI.	repair or replacement	-
Type Code Symbol Stamp	N/A	
Certificate of Authorization No. N/A	Expiration Date	N/A
Signed	Date Man 31	, 20 0 2
	SERVICE INSPECTION	٩
JOHNSTON, RHODE ISLAND in this Owner's Report during the period <u>3-B-OZ</u> to the best of my knowledge and belief, the Owner has performed ex Owner's Report in accordance with the requirements of the ASME O By signing this certificate neither the Inspector nor his employer r examinations and corrective measures described in this Owner's Re shall be liable in any manner for any personal injury or property dam inspection.	FACTORY MUTUAL INSU have insper- to 4-72 kaminations and taken correc code, Section XI. makes any warranty, express port. Furthermore, neither the age or a loss of any kind aris sions/V/B 8845 A/A	IRANCE CO. of cted the components described 0 2 - 0 2, and state that 0 tive measures described in this 0 ed or implied, concerning the 0 ne Inspector nor his employer 0

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

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1. Ow	vner	PPL	Susquehanna, LLC _{Name}		Date		05/	/13/2002
			, Berwick, PA 1860	3	Sheet	2	_ of	2
2. Pla	ant	Susquehanr	na Steam Electric S Name	ation	Unit			ONE
<u> </u>			Berwick, PA 1860)3				T BELOW P.O. No., Job No., etc.
3. Wo	ork Perform	ied by	PPL Susquehanna, Name	LLC	Type Co	de Symbol S	tamp _	None
			, Berwick, PA 1860	3	Authoriza	ation No.		N/A
					Expiratio	n Date		N/A
4. Inc	dentificatio	n of System	RHR STEA		SING MODE	SYSTEM	149B	, CLASS III
(t	b) Applicab		ASME Sec III * XI Utilized for Repairs o aired or Replaced and R	Replacements			enda, EE CO	N/A* Code Case DE EDITION BELOW)
ITEM	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION		DISCRIP	TS	1	CODE EDITION/ADD (ASME SECT. III)

	ORDER	FORM		TESTS	(ASME SECT. III)
1-3	312793	02-149-003	PSV11213A, REPAIRED VALVE BY MACHINING BASE AND REPLACED VALVE DISC.	NON VT-2 PER MI-PS-008	ORIGINAL VALVE AND REPLACEMENT PARTS, 1974 ED SUM '75 ADD
4-5	310832	02-149-007	1E205B, REPLACED BOLTING MATERIALS (28) STUDS.	NON VT-2 PER MI-PS-008	1971 ED WIN '72 ADD

Assigned to: ????

FOR INFORMATION ONLY

CROSBY

03/28/01 WED 16:14 FAX 508 384 3152

Q.C.-392 Sheet 1 of 2 FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production 1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093 (Name and Address of N Certificate Holder) 2. Manufactured for PENNSYLVANIA POWER & LIGHT (Name and Address of Purchaser or Owner) 3. Location of Installation SUSQUEHANNA SES STOREROOM (Name and Address) Type DS-C-60597 REV.E / SB164 CL.A 4. 87.000 2001 (drawing no.) (mat'l, spec. no.) (tensile strength) (CRN) (year built) 5. ASME Code, Section III, Division 1: 1974 SUMMER 1975/ 2 (edition) (addenda date) (class) (Code Case No.) 6. Fabricated in accordance with Const. Spec. (Div. 2 only) ---Revision Date (no.) 7. Remarks 8. Nom. thickness (in.) : Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) ---9. When applicable, Certificate Holders' data reports are attached for each item of this report. National Part or Appurtenance Part or Appurtenance National Serial Number Board No. Serial Number Board No. in Numerical Order in Numerical Order N91855-54-0109 (1) (26) (2) N91855-54-0110 (27) ----(3) N91855-54-0111 ---(28)(4) (29) (5) (30)(6) (31) (7) (32)(8) (33) (9) (34) (10)(35) (11) (36) (12)(37) (13)(38) (14)(39) (15) (40) (16) (41) (17)(42)(18) (43) (19)(44) (20)(45) (21)(46) (22)(47) (23)(48) (24) (49) (25) (50) 10. Design pressure psi. Temp. F Hydro. test pressure 750 ٠ P at temp. 70

(when applicable)

• Supplemental information in the form of lists, sketches, or drawings may be used provided (i) size is 8-1/2 x 11, (2) information in kerns 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of absets 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

	FOR INFORMATI			Ex
03/28/01 WED 16:15 FAX 508	384 3152 CROS	BY		
Form N-2 (Back)	Certificate Holder's Seria	I No. <u>N91855-54-</u> (0109	Q.C39 Sheet 2 c
	CERTIFICATE	OF DESIGN		
Design specifications certified by	AUTHUR R. SCHICK (when applica	P.E.	State CA	Reg. no. 13898
Design report* certified by	(when applicable)	P.E.	State	Reg. no
We certify that the statements ma	<u>CERTIFICATE OF</u> de in this report are correct ar	nd that this (these)	Discs	
conforms to the rules of construct NPT Certificate of Authorization Date <u>28-MAC-01</u> Sign	No. <u>N-1877</u> Expires Anderson Greenwoo	Sep. 30, 2001 d Crosby Aby	- D. E. Tate (Authorized	Representative)
I, the undersigned, holding a valid the State or Province of <u>Massa</u>	No. <u>N-1877</u> Expires Anderson Greenwoo Med <u>Wrentham, M</u> (NPT Certificate H <u>CERTIFICATE OF</u> commission issued by the Na chusetts and employed by nd have insp <u>of</u> and state that to the be trenances in accordance with the date shown above. the Inspector nor his employed ta Report. Furthermore, neith	Sep. 30, 2001 d Crosby <u>A</u> by lolder) FINSPECTION ational Board of Boil Factory Mun ected these items des st of my knowledge the ASME Code, Sec r makes any warrant ber the Inspector nor	(Authorized er and Pressure V tal Insurance Co. scribed in this Da and belief, the Co tion III, Division by, expressed or in his employer shi	Vessel Inspectors and ta Report on ertificate Holder 1. Each part listed h mplied, concerning

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149E-II

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

. Owne	er	PPL Susquel			Date	05	5/15/2002	
	769 Sa	Ilem Blvd, Berwic			Sheet	1 Of	2	
2. Plant	Sus	squehanna Stear		on	Unit	_	ONE	
	769 Sa	Name Iem Blvd, Berwid				SEE ATT/	ACHED LIST	
	100 00	Address			Re	pair Organization	P.O. No., Job No., etc.	
3. Work	Performed by	PPL Sus	quehanna, LLC	<u> </u>	Type Code Sy	mboi Stamp	None	
	769 Sa	Address	k, PA 18603		Authorization N	10.	N/A	
		Address			Expiration Date	9	N/A	
								1
4. Ident	tification of Syste	m <u>RH</u>	R CONTAINME	ENT SPRAY	PIPE & LOGIC	SYSTEM	149E, CLASS I	I
5. (a) A (b) A	Applicable Constr Applicable Editior		III 19 d for Repairs or Re	71 Edition	thru W'72 89	_ Addenda,		de Case
5. (a) 4 (b) 7 6. Ident	Applicable Constr Applicable Editior	uction Code	III 19 d for Repairs or Re	71 Edition	thru W'72 89	_ Addenda,	• Co	de Case
5. (a) / (b) / 6. Ident	Applicable Constr Applicable Edition htification of Comp	uction Code n of Section XI Utilize onents Repaired or F	III 19 d for Repairs or Re Replaced and Repla	71 Edition placements 19 acement Compo National Board	thru W'72 89 nents Other	_ Addenda, _ (* SEE A	* Co TTACHED SHEET) Repaired, Replaced, or	ASME Code Stamped (Yes or
5. (a) A (b) / 6. Ident ((Applicable Constr Applicable Edition ntification of Comp Name of Component	uction Code n of Section XI Utilize onents Repaired or F Name of Manufacturer	III 19 d for Repairs or Re Replaced and Repla Manufacturer Serial No. E5854-5-1	71 Edition placements 19 acement Compo National Board No.	thru W'72 89 nents Other Identification	_ Addenda, _ (* SEE A Year Built	• Co TTACHED SHEET) Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5. (a) A (b) A 6. Ident (1) V 2) V	Applicable Constr Applicable Edition ntification of Comp Name of Component /ALVE (DISC)	uction Code n of Section XI Utilized onents Repaired or F Name of Manufacturer ANCHOR DARLING	III 19 d for Repairs or Re Replaced and Repla Manufacturer Serial No. E5854-5-1 (VALVE)	71 Edition placements 19 acement Compo National Board No. N/A	thru W'72 89 nents Other Identification 151F021A	Addenda, (* SEE A Year Built 1976	* Co TTACHED SHEET) Replaced, or Replacement REPLACED	ASME Code Stamped (Yes or No) YES

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure (SEE ATTACHED LISTS)
Other Pressure psi Test Temp. *F

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

7. Description of Work

SEE ATTACHED LIST

9. Remarks	CODE DATA REPORT(S) ATTACHED.
	Applicable Manufacturer's Data Reports to be attached

CERTIFICATION		
We certify that the statements made in the report are correct	t and this REPAIR REPLACEM	
ASME Code, Section XI.	repair or replac	cement
Type Code Symbol Stamp	N/A	
Certificate of Authorization No. N/A	Expiration Date	N/A
Signed Owner's Designee, Title Supv Site Modifications G	Date Man	, 20 0 2
	······································	
	SERVICE INSPEC	TION
I, the undersigned, holding a valid commission issued by the Natio or Province of PENNSYLVANIA and employed by	nal Board of Boiler and P	Pressure Vessel Inspectors and the State
JOHNSTON, RHODE ISLAND in this Owner's Report during the period'3-/3-02	have i	inspected the components described
to the best of my knowledge and belief, the Owner has performed	examinations and taken of	-/4-02, and state that
Owner's Report in accordance with the requirements of the ASME By signing this certificate neither the Inspector nor his employer	Code. Section XI	
examinations and corrective measures described in this Owner's R	eport. Furthermore neif	ther the Inspector nor his employer
shall be liable in any manner for any personal injury or property da inspection.	mage or a loss of any kin	d arising from or connected with this
DOL F-OD	ssionsNB 8845	plaitelatis Pozzil
Inspector's Signature		, State, Province, and Endorsements
Date June 3 2002		

149E-II

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

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PPL Su	squehanna, LLC			Date		05/	/15/2002	
		3	<u> </u>	Sheet	2	of	:	2
Susquehanna	Steam Electric Sta	ation		Unit			ONE	
		3			Repair			elc.
prmed by PP	L Susquehanna, l _{Name}			Type Code	e Symbo	I Stamp	No	one
		3		Authorizati	on No.		N/A	
A00163	5			Expiration	Date		N/A	
ation of System	RHR CONTAIN	IMENT S		PE & LO	- SIC S	YSTEM	149E, CLAS	SS II
cable Construction Code		19 71 Replacem	Edition, ents 19	Thru W'7 89			N/A*	_ Code Case BELOW)
ion of Components Repair	ed or Replaced and R	eplacemen	t Compone					
	769 Salem Blvd, B Addres Susquehanna 769 Salem Blvd, E Addres ormed by PP 769 Salem Blvd, B Addres ation of System cable Construction Code cable Edition of Section XI	769 Salem Blvd, Berwick, PA 1860 Address Susquehanna Steam Electric St. Name 769 Salem Blvd, Berwick, PA 1860 Address ormed by PPL Susquehanna, I Name 769 Salem Blvd, Berwick, PA 1860 Address ormed by PPL Susquehanna, I Name 769 Salem Blvd, Berwick, PA 1860 Address ation of System Electric St. Address ation of System Construction Code ASME Sec III * cable Edition of Section XI Utilized for Repairs or	Name 769 Salem Blvd, Berwick, PA 18603 Address Susquehanna Steam Electric Station Name 769 Salem Blvd, Berwick, PA 18603 Address ormed by PPL Susquehanna, LLC Name 769 Salem Blvd, Berwick, PA 18603 Address ation of System RHR CONTAINMENT SI cable Construction Code ASME Sec III * 19 71 cable Edition of Section XI Utilized for Repairs or Replacement	Name 769 Salem Blvd, Berwick, PA 18603 Address Susquehanna Steam Electric Station Name 769 Salem Blvd, Berwick, PA 18603 Address ormed by PPL Susquehanna, LLC Name 769 Salem Blvd, Berwick, PA 18603 Address Ormed by PPL Susquehanna, LLC Name 769 Salem Blvd, Berwick, PA 18603 Address Blvd, Berwick, PA 18603	Name 769 Salem Blvd, Berwick, PA 18603 Sheet Address Unit Name Vame 769 Salem Blvd, Berwick, PA 18603 Unit Address Vame 769 Salem Blvd, Berwick, PA 18603 Type Code Address Name 769 Salem Blvd, Berwick, PA 18603 Authorizati Address Sheet 769 Salem Blvd, Berwick, PA 18603 Authorizati Address Expiration address Expiration Address Expiration ation of System RHR CONTAINMENT SPRAY PIPE & LOO cable Construction Code ASME Sec III * 19 71 Edition, Thru W'' cable Edition of Section XI Utilized for Repairs or Replacements 19 89 89 tion of Components Repaired or Replaced and Replacement Components 89	Name 769 Salem Blvd, Berwick, PA 18603 Sheet 2 Address Susquehanna Steam Electric Station Unit Name 0 0 769 Salem Blvd, Berwick, PA 18603 Repair 0 Address Repair 0 0rmed by PPL Susquehanna, LLC Type Code Symbol Name Name Authorization No. 769 Salem Blvd, Berwick, PA 18603 Authorization No. Name Address Expiration Date ation of System RHR CONTAINMENT SPRAY PIPE & LOGIC SY cable Construction Code ASME Sec III * 19 71 Edition, Thru W'72 Acable Edition of Section XI Utilized for Repairs or Replacements 19 89 (Name Sale Name Sheet 2 Of Address Sheet 2 Of Address Sheet 2 Of Address Name Top Salem Blvd, Berwick, PA 18603 Address Top Salem Blvd, Berwick, PA 18603 Authorization No. Expiration Date Top Salem Blvd, Berwick, PA 18603 Authorization No. Expiration Date Top Salem Blvd, Berwick, PA 18603 Authorization No. Expiration Date Top Salem Blvd, Berwick, PA 18603 Address Expiration Date Colspan="2">Thru W'72 Address Expiration Code ASME Sec III * 19 71 Edition, Thru W'72 Addenda, <	Name 769 Salem Blvd, Berwick, PA 18603 Sheet 2 of Address Susquehanna Steam Electric Station Unit ONE Name 769 Salem Blvd, Berwick, PA 18603 SEE LIST BELOW Address Repair Organization P.O. No., Job No., Jo

ITEM	WORK	CODE PROGRAM FORM	DESCRIPTION OF WORK	DISCRIPTION OF TESTS	CODE EDITION/ADD (ASME SECT. III)
1-3	252469	02-149-002	HV-151F021A, REPLACED VALVE DISC & MACHINED VALVE DISC FOR FIT.		1516-1, 1534; REPLACE DISC '71 ED WIN '72 ADD
4	390413	02-149-005	HV-151F021A, REMACHINED VALVE DISC DUE TO GUIDE INTERFERENCE WITH VALVE BODY WHILE CLOSING	NON VT-2 PER MI-PS-008	1971 ED WIN '72 ADD

	As	sia	ned	to:	?	?	?	?
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FOR INFORMATION ONLY

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FOR	INFORMATION	ONLY

Expires On: \?

• •	??? FOR INFORMATION ONLY Expires C
•	As required by the Provision of the ASME Code Rules, Section III, Div. 1
	L (s) Mussiacrand by Flowserve Corporation, 701 First Street, Williamsport, PA 17701
	(b) Manufactured for Pennsylvania Power & Light, 2 North Ninth St., Allentown, PA 18101-1
•	Ular del addres el l'ortifica la canante acora canantesi 2. Identification-Certificate Holder's Serial No. el Part S/N - K244 - Nac's Bel. No. N/A
•	(a) Constructed According to Drawing Na D7813 Drawing Prepared by Flowserve Coro.
•	(b) Description of Part Inspected DISC Heat #A5765A SA216-WCB
	(c) Applicable ASHE Code: Section III, Edition 1971 . Addreds date W'72 . Case No Class 2
	3. Remarker: 12"-300# FW Gate
	Flowserve Shop Order #P652G-1
	·
	We certify that the stancests made in this report are correct and this vessel part or appurtmenance as defined in the Code of forms to the rules of consortions of the ASME Code Section IIL. (The applicable Denich Sorthfallion and Strem Report are not the resonstibility of the NPT Certificate Holder for parts. An NPT Cer icate Holder for applications and Strem Report are not the resonance Design Specifications and Stress Report of the appurtmenance is included in the component Design Specification and Stress Report.)
	Date 5/1101 Signed Flowserve Corporation By RS. Sommet
•	Certificate of Authorization Expires4/15/04Certificate of Authorization NoN1713
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
-	
	Dunigs information on file at
·	Design information on file at
	Stress applysis spen as file at
	Stress analysis separa as file at Prof. Eng. Stare Reg. No
•	Stress analysis report on file at Prof. Eag. State Reg. No Design specifications cartified by Prof. Eag. State Reg. No Stress analysis report cartified by Prof. Eag. State Reg. No CERTIFICATE OF SHOP INSPECTION
	Stress analysis report on Ele st Prof. Eng. State Reg. No Design specifications certified by Prof. Eng. State Reg. No Stress analysis report extrified by Prof. Eng. State Reg. No CERTIFICATE OF SHOP INSPECTION L, the undersigned, bolding a valid commission insued by the National Board of Bailer and Pressure Vescel Inspectars and/or the Sense erzBranknessel Pennsylvania_ and employed by Commercial Union Insurance Compi of Boston . Mass have inspected the part of a pressure vescel described in this
· ·	Stress analysis report on file as Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Reg. State Reg. Reg. Reg. Reg. Reg. Reg. Reg. Reg
· ·	Stress analysis report as file at Design specifications certified by Prof. Eng. State Reg. No Stress analysis report certified by Prof. Eng. State Reg. No CERTIFICATE OF SHOP INSPECTION L, the undersigned, bolding a valid commission insued by the National Board of Boiler and Pressure Versel Inspectars and/or the State ergberstatested Pennsylvania and employed by <u>Commercial Union Insurance Compi</u> ef Boston = Mass. Partial Data Report as <u>17001000000000000000000000000000000000</u>
	Stress analysis report on file as Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Reg. State Reg. Reg. Reg. Reg. Reg. Reg. Reg. Reg
	Stress analysis report as file as Prof. Eng. State Reg. No Prof. Eng. State Reg. No Stress analysis report certified by Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No Reg. No Prof. Eng. State Reg. No

149G-I

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

1. Owr	ner	PPL Susque	hanna, LLC		Date		5/13/2002	· · · · · · · · · · · · · · · · · · ·
	769 Sa	Nar lem Blvd, Berwic Address			Sheet1	Of	2	
2. Plar	nt Sus	quehanna Stear		on	Unit		ONE	
	769 Sal	em Blvd, Berwi	ck, PA 18603				ACHED LIST	
3. Woi	rk Performed by	Address PPL Su:	squehanna, LLC _{Name}	C		-	n P.O. No., Job No., etc. None	
	769 Sa	lem Blvd, Berwid	ck, PA 18603		Authorization No	o	N/A	
		Address			Expiration Date		N/A	
4. Ide	entification of System	n	RHR SHUTD		NG MODE SYS	TEM 149	9G, CLASS I	
(b	, FF	uction Code of Section XI Utilize onents Repaired or F	•	placements 19	89	Addenda, (* SEE A	Co	de 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)
1)	VALVE	MASONEILAN	N-00186-8-1	N/A	HV151F122A	1978	REPLACED	YES
2)	VALVE	MASONEILAN	1810-1-1039- 22	N/A	HV151F122A	1997	REPLACEMENT	YES
3)	VALVE	LONERGRAN	510138-1-15-1 (VALVE)	N/A	PSV151F0126	1979	REPAIRED	YES
	VALVE RING & STEPS)	LONERGRAN	510138-1-15-1 (VALVE)	N/A	PSV151F0126	1979	REPLACED	YES
	VALVE RING& STEPS)	LONERGRAN	N/A	N/A	PSV151F0126	1989	REPLACEMENT	YES
6)	VALVE (NAME PLATE)	LONERGRAN	510138-1-15-1 (VALVE)	N/Ā	PSV151F0126	1979	REPLACED	YES
7)	VALVE (NAME PLATE)	PPL	N/A	N/A	PSV151F0126	2002	REPLACEMENT	NO

 7. Description of Work
 SEE ATTACHED LIST

 8. Tests Conducted:
 Hydrostatic
 Pneumatic
 Nominal Operating Pressure
 (SEE ATTACHED LISTS)

 Other
 Pressure
 psi
 Test Temp.
 •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.

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9. Remarks	CODE DATA REPORT(S) ATTACHED.
	Applicable Manufacturer's Data Reports to be attached
	
<u> </u>	

We certify that the statements made in the report are correct and this ASME Code, Section XI.	REPAIR & conforms to the rules of the REPLACEMENT
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A Expirat	ion N/A
Signed Sull Da	e May 31 ,2002
Owner of Owner's Designee, Title Supv Site Modifications Group	
	CE INSPECTION
JOHNSTON. RHODE ISLAND In this Owner's Report during the period <u>3-16-02</u> o the best of my knowledge and belief, the Owner has performed examination Downer's Report in accordance with the requirements of the ASME Code, Sec By signing this certificate neither the Inspector nor his employer makes ar examinations and corrective measures described in this Owner's Report. Full shall be liable in any manner for any personal injury or property damage or a nspection. Commissions N	DRY MUTUAL INSURANCE CO. of have inspected the components described to <u>3-17-07</u> , and state that ons and taken corrective measures described in this stion XI. by warranty, expressed or implied, concerning the inthermore, neither the Inspector nor his employer loss of any kind arising from or connected with this
Date June 3 2002	

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

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1. Ov	. Owner PPL Susquehanna, LLC Name					Date		05/	/13/2002	
			, Berwick, PA 186	03	-	Sheet	2	of	2	
2. Pla	ant	Susquehanr	na Steam Electric S Name	tation	-	Unit			ONE	
		Berwick, PA 186	SEE LIST BELOW Repair Organization P.O. No., Job No., etc.							
3. Wo	Work Performed by PPL Susquehanna, LLC					Type Code Symbol Stamp None			None	
	769 Salem Blvd, Berwick, PA 18603					Authorization No.			N/A	
			01635			Expiration Da	ate		N/A	
4. In	dentificatio	n of System	RHR SHU	TDOWN CO	OLIN	G MODE S	YSTEM	1490	G, CLASS I	
()	b) Applicab		ASME Sec III * XI Utilized for Repairs of aired or Replaced and F	r Replacements	-	Thru W'72 89 ents	Adde (* SE		N/A* Code Case DE EDITION BELOW)	
ITEM	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION	OF WORK	Τ	DISCRIPTION	OF		CODE EDITION/ADD (ASME SECT. III)	
1-2	346013	02-149-006	HV151F122A, REPL	ACED VALVE	NO	N VT-2 PER M	-PS-008		ORIGINAL VALVE &	

1-2	346013	02-149-006	STEM/DISC ASSEMBLY	NON VT-2 PER MI-PS-008	ORIGINAL VALVE & REPLACEMENT PARTS 1974 ED WIN '75 ADD	
3-7	312790	02-149-008	PSV151F126, MACHINED VALVE BASE AND REPLACED SPRING ASSEMBLY AND MISSING VALVE NAME PLATE	NON VT-2 PER MI-PS-008	1974 ED WIN '74 ADD CC1555	

		• •	sions of the ASME Code, d One Day's Production	,		Pg. 1 of
I. Manufactured a	nd certified by	Masoneilan Dresser Ir	Industries, 85 Bodwell St	t., Avon, MA 02 tificate Holder)	322	
2. Manufactured fo	Pennsylva	nia Power & Light, 2 No	orth Ninth St., Allentov	wn, PA 18101		
3. Location of insta	allation Pen	nsylvania Power & Light	t, 2 North Ninth St., Al (name and address)	llentown, PA 18	8101	
1. Type:	Rev. D	Haynes Alloy 6B	144,467 PSI (tensile strength)			1997 (year built)
5. ASME Code, Se	ction III, Division	1: <u>1974 Edition</u>	Winter 1975 /	1		N/A {Code Case no.}
5. Fabricated in ac	cordance with C	onst. Spec. (Div. 2 only)	N/A Revision	N/A	_ Date	<u>N/A</u>
		Part Nº 013431-135-1L2	2 - 3/4" & 1"	×		

8. Nom. thickness (in.) <u>N/A</u> Min. design thickness (in.) <u>N/A</u> Dia. ID (ft & in.) <u>N/A</u> Length overall (ft & in.) <u>N/A</u>
 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 1810-1-1039-22	,	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)	1	(34)	
10)		(35)	
11)	1	(36)	
12)		(37)	
13)	1	(38)	· · · · · · · · · · · · · · · · · · ·
14)	1 1	(39)	·
15)	1	(40)	
6)		(41)	
17)		(42)	
8)	1	(43)	
19)		(44)	
20)	· ·	(45)	·
21)		(46)	
22)		(47)	
23)		(48)	
24)		(49)	
25)		(50)	· · · · · · · · · · · · · · · · · · ·

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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)

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

Rg 4

	FORM N-2 (Back — Pg. 2 of	2_)
	Certificate Holder	s Serial Nos. <u>N 396186-1</u> through <u>-</u>
(CERTIFICATION OF DESIG	N
Design specifications certified by	Sidney A. Copland (when applicable)	P.E. State <u>PA</u> Reg. no. <u>19877-E</u>
Design report* certified by	N/A (when applicable)	P.E. State <u>N/A</u> Reg. no. <u>N/A</u>
	CERTIFICATE OF COMPLIA	NCE
We certify that the statements made in the conforms to the rules of construction of the rules of constr	the ASME Code, Section III, Division 1.	Plug_S/A
NPT Certificate of Authorization No.	N-1837	Expires <u>August 19, 1998</u>
Date <u>9-23-97</u> Name <u>Mas</u>	Oneilan-Dresser Industries (NPT Certificate Holder)	Signed Welfin france
	CERTIFICATE OF INSPECT	10N
MA and employed	by <u>H</u> , S , B , I , G , I , C , H , S , B , I , G , B	or and Pressure Vessel Inspectors and the State or Province of
best of my knowledge and belief, the Ce III, Division 1- Each part listed has been	ertificate Holder has fabricated these parts o authorized for stamping on the date shown a	r appurtenances in accordance that the transfer
Data Report. Furthermore, rentro	ed with this inspection.	Commissions <u>1114 - 1.337</u> [Nat'l. Bd. Lind. endorsements] and state or prov. and no.]

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ALLE COLLEGE COLLEGE VALVES 3 25 3 10050 SANDMEYER LANG PHILADELPHA PA 18116 111 877-1718, TELEX 848-131 ESTABLISHED 10, 1989 March

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J J.

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Pennsylvania Power & Light Co. Busquehanna BES Storeroom 5 Miles N.E. of Bervick on U.S. Route 11 Bervick, PA 19603

CERTIFICATE OF COMPLIANCE

HER WHITE HERE This is to certify to the best of our knowledge and belief that the item(s) described below is in adoordance with Section III, Class 1.2 43 of the ASHE Boiler and Pressure Vessel Code 74 Winter 74 . Material stored at J. E. Loneregan Co., and the second second second a share the second and the second second second second Philadelphia, Pennaylvania, retains traceability by the Identification and Verifi-cation Program meeting the requirements of MCA 3800 under our MPT Certificate of Service The Astronomy Constants a fer and a share the former and Authorization No. N-2755 which expires June 5, 1990. Material was supplied under our Quality Assurance Manual No. 201 Rev. 1 - 4th Edition dated May 1, 1987.

COSTOMER: Pennsylvania Power & Light Co.	PURCHASE ORDER: 8-31929-1
J.E.L. ORDER # MY8803055	MARUFACTURER: J. E. Lonergan Co.
	· Springs Atlantic Spring

SPECIFICATION

iten 10.	911.	DESCRIPTION	
11 11A 13 13A	1 1 2 1 2	Ring Pin Spring Spring Steps Spring Spring Steps	
ltem Item Item	4 - Class 2 11- Class 1 11A Class 1 13 Class 3 13A Class 3	C/N 14374 C/N 14441 C/N 14441 C/N 14407 C/N 14407	(

ASKE 84-479 Type 316 01268 / ABTM A-313 Type 316 ASMB 64-479 Type 316 662015 351244 ASTN A-229 A10084 ASME 84-479 Type 304 NT REVIE No. 8-1-0270 200 BY RECORD ACKAGE RM PAGE "FALMO SIGNED: T. A. Nickey TITLE: QUALITY ASSURANCE MANAGER

HEAT NO. /TRACE CODE

103107

150A-II

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

1. Owner		usquehanna, LLC				Date		05/07/2002	
<u> </u>	769 Salem Blvd, Ben Address	wick, PA 1	8603			Sheet	1	Of	1
2. Plant	Susquehanna Ste	am Electr	ic Statio	n	<u> </u>	Unit	Init ONE		
	769 Salem Blvd, Berwick, PA 18603					PCWO # 388651 CRF # 02-150-001 Repair Organization P.O. No., Job No., etc.			
3. Work Pe		Susquehan	ina, LLC			Type Code		-	None
	769 Salem Blvd, Ben	wick, PA 1	8603			Authorizati	ion No.	<u></u>	N/A
	Address					Expiration	Date _		N/A
4. Identifica	ation of System		RCIC	VATI	ER LOO	P SYSTE	M 150A	, CLASS I	I
. ,	licable Construction Code	III ized for Repa	19 airs or Rep	71 lacem	Edition, ents 19	thru W'7 89	/ 10	denda, * SEE REMA	Code Case
6. Identific	ation of Components Repaired o	or Replaced a	and Replac	emer	t Compone	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)
1) PUMP	BINGHAM PUMP	210015	N/A	1E203	1976	REPAIRED	NO

7. Description of Work			PUMP BY	INCREASING SIZE OF W	ELD REINF	ORCEMENT.		
8. Tests Conducted:	Hydrostatic Other	Pneuma Pressure	atic	Nominal Operating Pressure _psi Test Temp.	• — — •F	(NONE)		
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informa- 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 recorded at the top of this form.								

. Remarks	CODE OF CONSTR		NGHAM PUM		DRAFT P	UMP & VALVE C	ODE.
			nacturer's Data Reports	io de atlached			
•		·					
·						<u> </u>	
		CERTIFICAT					
vve cen SME Code,	tify that the statements mad Section XI.	le in the report are o	orrect and this _	REPAIR repair or replacement		to the rules of the	
Type Code	Symbol Stamp			N/A			
Certificate o	of Authorization No.	N/A	Expiration Date	I	٢	N/A	
Simul	to .			2			
Signed	Dwner or Owner's Designee, Title	Supv Site Modificatio	Date Date	1 May 3	/	, 200 2	
	CE	RTIFICATION O			N		
the undersig	gned, holding a valid comm	ission issued by the N	National Board of	Boiler and Press	ire Vessel in	spectors and the Stat	a
Province of	F <u>PENNSYLVANIA</u>	and employed by	FACTOR	Y MUTUAL INS	URANCE CO	ponents described	of
this Owner's	s Report during the period			to 7-27	2-07.	and state that	t
wher's Repo	my knowledge and belief, the providence with the rest of the second ance with	he Owner has perform equirements of the AS	ned examinations	and taken correction XI	ctive measure	es described in this	
By signing	this certificate neither the l	nspector nor his empl	lover makes any v	varranty, express	sed or implied	l, concerning the	
aminations : all be liable	and corrective measures de in any manner for any pers	escribed in this Owne	r's Report. Furth v damage or a los	ermore, neither t	the Inspector	nor his employer	
spection.		ional injury of property	y damage of a lot				
Del	Inspector's Signature	<u>ley</u> a	ommissions <u>NR</u> Na		E. Province	and Endorsements	361
ate <u>Ju</u>	ne <u>3</u> 20 0	20			, ,		

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150B-II

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

1. Owner			iehanna, LLC		Date		5/07/2002			
	769 Sale		vick, PA 1860	3	Sheet	1	Of	1		
2. Plant	Susq	uehanna Ste	am Electric St	tation	Unit ONE					
	769 Salem Blvd, Berwick, PA 18603						# 389968 CRF # 02-150-002			
3. Work Perl	formed by		usquehanna, _{Name}	LLC	Type Cod		-	None		
	769 Sale	m Blvd, Berv	vick, PA 1860	3	Authorizal	ion No.		N/A	<u> </u>	
		A00/635			Expiration	Date		N/A		
4. Identifica	tion of System	F	CIC TURBINI	E & AUX. (Ste	eam Loops &	Flow Co	ntrol)	150B, CLASS	1	
	cable Construc		III zed for Repairs o		tion, thru W" 19 <u>89</u>	72 Ad	denda,	N/A Co	ode Case	
6. Identifica	tion of Compon	ents Repaired o	r Replaced and R	Replacement Cor	nponents					
				National				Repaired,	ASME Code Stamped	

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
1) LARGE PIPE SUPPORT	BECHTEL	N/A	N/A	DBB109-H8	1982	REPLACED	NO
2) LARGE PIPE SUPPORT	PPL	N/A	N/A	DBB109-H8	2002	REPLACEMENT	NO

7. Description of Work	PERFORMED IN	STALLATION OF LUBRITE	PLATE & STOPS.
8. Tests Conducted:	Hydrostatic Pneumatic D Other Pressure	Nominal Operating Pressurepsi Test Temp	(NONE)
NOTE: Supplement tion in items 1 the recorded at the top	ntal sheets in form of lists, sketches, or o ough 6 on this report is included on eacl of this form.	rawings may be used, provided (1 sheet, and (3) each sheet is nu	1) size is $8\frac{1}{2}$ in. x 11 in., (2) informa- imbered and the number of sheets is

and the second se

Remarks NONE	
Applic	cable Manufacturer's Data Reports to be attached
CERTIF	
We certify that the statements made in the repo	ort are correct and this REPLACEMENT conforms to the rules of the
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration Date N/A
The second secon	
Signed Parfulla.	Date May 31 , 2002
Owner or Owner & Designée, Title Supv Site M	Nodifications Group
CERTIFICATI	ION OF INSERVICE INSPECTION
JERTI IOATI	
, the undersigned, holding a valid commission issued t	by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of <u>PENNSYLVANIA</u> and empl JOHNSTON, RHODE ISLAND	loyed byFACTORY MUTUAL INSURANCE CO of
n this Owner's Report during the period $3-2$	have inspected the components described 7 - 02 to $3 - 28 - 02$, and state that
o 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	f the ASME Code, Section XI.
By signing this certificate neither the inspector nor h	his employer makes any warranty, expressed or implied, concerning the
hall be liable in any manner for any personal injuny or	is Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this
nspection.	property damage or a loss of any kind ansing from or connected with this
not i inn	
Delton E. Tilleri	Commissions/NB8845 A/N/Z/B/NS Pa236
Inspector's Signature	National Board, State, Province, and Endorsements
The 3 moz	
Date June J 2002	
	· ·

151A-II

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

1. Ov	wner	PPL Susque			Date	05	5/07/2002	
	769 Sa	alem Blvd, Berwic	k, PA 18603		Sheet 1	Of	1	
2. Pla	ant <u>Su</u>	squehanna Stear		on	Unit		ONE	
	760 50	Ilem Blvd, Berwie			PCV	VO # 34 [.]	1092 & 245151	
	109.04	Address	JK, FA 10003				P.O. No., Job No., etc.	
3. W	ork Performed by	PPL Sus		<u> </u>	Type Code Symb	ol Stamp	None	
	769 Sa	alem Blvd, Berwid	_{Name} k, PA 18603		Authorization No.		N/A	
		100/655			Expiration Date		N/A	
4. lo	lentification of Syste	m	cc	DRE SPRAY	SYSTEM 151A,	CLASS		
	_							
(ruction Code	d for Repairs or Re		89		EMARKS SECTION	
(b) Applicable Edition	n of Section XI Utilize	d for Repairs or Re	placements 19	89			
(b) Applicable Edition Ientification of Comp	n of Section XI Utilize conents Repaired or F	d for Repairs or Re Replaced and Repla	placements 19 acement Compo National Board	89 nents Other	(* SEE R Year	EMARKS SECTION Repaired, Replaced, or	ASME Code Stamped (Yes or
6. la	b) Applicable Edition Ientification of Comp Name of Component VALVE	Name of Manufacturer	d for Repairs or Re Replaced and Repla Manufacturer Serial No.	placements 19 acement Compo National Board No.	89 nents Other Identification	(* SEE R Year Built	EMARKS SECTION Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(6. ld	b) Applicable Edition Ientification of Comp Name of Component VALVE (DISC) VALVE (DISC)	Name of Manufacturer ANCHOR ANCHOR	d for Repairs or Re Replaced and Repla Manufacturer Serial No. E5854-35-3	placements 19 acement Compo National Board No. N/A	89 nents Other Identification 152005	(* SEE R Year Built 1976	EMARKS SECTION Repaired, Replaced, or Replacement REPLACED	I) ASME Code Stamped (Yes or No) YES

7. Description of Work 152005, REPLACED VALVE DISC.152010 REPLACE STEM/DISC.

8. Tests Conducted:	Hydrostatic	Pneumatic	Nom	inal Operating Pro	essure	(NONE)
	Other	Pressure	 psi	Test Temp.		°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 CODE DATA SHEET ATTACHED. CODE OF CONSTRUCTION: ANCHOR DARLING ORIGINAL Applicable Manufacture's Data Reports to be attached

VALVE '71 ED WIN '72 ADD CC 1516-1 & 1534. REPLACEMENT PARTS '71 ED WIN '72 ADD NO CC.

YARWAY ORIGINAL VALVE '74 ED WIN '74 ADD. REPLACEMENT PARTS 1986 ED NO ADD.

	RTIFICATION OF COMPLIANCE
We certify that the statements made in the ASME Code, Section XI.	e report are correct and this REPLACEMENT conforms to the rules of the repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A Expiration N/A Date N/A
Signed	- Site Modifications Group Date Mary 31 , 20 02
, the undersigned, holding a valid commission iss or Province of <u>PENNSYLVANIA</u> and JOHNSTON, RHODE ISLAND n this Owner's Report during the period o the best of my knowledge and belief, the Owner Dwner's Report in accordance with the requireme. By signing this certificate neither the Inspector	CATION OF INSERVICE INSPECTION issued by the National Board of Boiler and Pressure Vessel Inspectors and the State d employed by <u>FACTORY MUTUAL INSURANCE CO</u> of <u>10-9-01</u> to <u>1-7-02</u> , and state that er has performed examinations and taken corrective measures described in this ents of the ASME Code, Section XI. r nor his employer makes any warranty, expressed or implied, concerning the d in this Owner's Report. Furthermore, neither the Inspector nor his employer

Assigned	to:	????
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FOR INFORMATION UNLY

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Expires On: Ar

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES"

As required by the Provision of the ASME Code Rules. Section III. Div. 1

L	(a) Manufactured by Flowserve Corporation, 701 First Street, Williamsport, PA 17701
-	(a) Manufactures of Allentown, PA 18101
	(b) Manufactured for Pennsylvania Powerz& Light, 2 North Ninth Street, Allentown, PA 18101
	Identificance-Certificate Holder's Serial No. of Part
2	Kentificande-Certificate Holder's Series No. a Fin
	(a) Constructed According to Drawing No Drawing Prepared by Flowserve Corp.
	(b) Description of Part Inspected DISC Heat #B6893A SA216-WCB
	(b) Description of Part Inspected
	(b) Description of Part Inspected
3.	Remarks: (Brist description of service for which compensat was designed)
	Flowserve Shop Order #P618G-1 SA216-WCB
-	We certify that the statements made in this report are correct and this vessel part or appartenance as defined in the Code cos
	We certify that the anticatents made in this report of Section III.
le	mus to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certi- the applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certi-
in	te Holder for appurications in responsible for resources a second
104	the Holder for appartements of a response to far and Stress Report.)
·	4/19/01 Signed Flowserve Corporation By R. S. Stamut
De	ite Signed Signed Sy
	erificate of Authorization Expires 4/15/04 Certificate of Authorization No. N1713
C	ertificate of Authorization Expires 4/13/04 Certificate of Authorization No.
Γ	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
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	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file at Design specifications certified by Reg. No Prof. Eng. State Reg. No
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	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file at Stress malysis report on file at Design specifications certified byProf. Eng. StateReg. No Stress malysis report certified byProf. Eng. StateReg. No CERTIFICATE OF SHOP INSPECTION
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file at Stress malysis report on file at Design specifications certified by Stress analysis report certified by Reg. No CERTIFICATE OF SHOP INSPECTION
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design specifications on file at Design specifications certified byProf. Eng. State Reg. Ne Stress shalysis report certified byProf. Eng. State Reg. Ne Stress shalysis report certified byProf. Eng. State Reg. Ne CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission insued by the National Board of Boiler and Pressure Vescel Inspectates and/or the State of Pennsylvania and employed by Commercial Union Insurance Compa
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file of
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when explicable) Design information on file as
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file or
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	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file se
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design specifications on file as Design specifications certified by Prof. Eng. State Reg. No. Stress analysis report on file as CERTIFICATE OF SHOP INSPECTION I, the andersigned, holding a valid commission issued by the National Board of Bailer and Pressant Versuel Laspectures add/or the Same arg/framinates of Pennsyl vania and employed by Commercial Union Insurance Compa af Boston. Mass. Pertai Data Reports on Internet holder has constructed this part in accordance watch the Asia to the best of my theorement
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file as Stress malysis report on file as Design specifications certified by CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressmut Vesiael Longerturit CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressmut Vesiael Longerturit (CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressmut Vesiael Longerturit (CERTIFICATE OF SHOP INSPECTION I and/or the Same or from the second stream issued by the National Board of Boiler and Pressmut Vesiael Longerturit (BOStOR, Mass, Pennsyl vania and employed by Commercial Union Insurance Compa af Bostor, Mass, Pennsyl vania and employed the part of a pressure vessel described in this partial Data Report on <u>Boiler Action Holder has constructed this part is accordance with the ASME Code Section III. By signing this certificant, estable the langerture are his angleyre makes any tangerture the langerture at the sector III. By signing this certificant, estable the partial Baser to a sequence of a pressure of a sequence for any manary for any personal fairery or property damage or a less of any tind arising from or cenaecter and the isia inspective. COM</u>
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file at
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file of Seress malysis report on file at Design specifications certified by CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pretime Verbal Lingercurs Arg. No. CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pretime Verbal Lingercurs and/or the Same at Argentistantod Permis Data Argent as I and the last of the langercurs are his angleyed by Commercial Union Insurance Compa ad malerial Data Argent as I and the last of the langercurs are his angleyer makes with the AMI Code Section III. By signing this certificate may personal injury or property damage or a last of any kind arising from or consected Design Data May Commercial Code State and Viale Argents are this employed in this Partial Data Report. Arithermore, arither the lassector sur his employer and be linke in any manager for any personal injury or property damage or a last of any kind arising from or consected with the State of any kind arising from or consected with the Indust is arising from or consected with the Indust arising from or consected with the Indust arising from or consected with the Indust is any third arising from or consected with the Indust a
	CERTIFICATION OF DESIGN FOR APPURTENANCE (where applicable) Design information on file or Screas analysis report on file as Design specifications certified by Prof. Eng. Same Reg. No. Screas analysis report certified by CERTIFICATE OF SHOP INSPECTION I, the undersigned, bolding a valid commission issued by the National Board of Boiler and Preising & Veikel Inspectors CERTIFICATE OF SHOP INSPECTION I, the undersigned, bolding a valid commission issued by the National Board of Boiler and Preising & Veikel Inspectors CERTIFICATE OF SHOP INSPECTION I, the undersigned, bolding a valid commission issued by the National Board of Boiler and Preising & Veikel Inspectors and/or the Same or Aphysikament Pennsyl vania and employed by Commercial Union Insurance Compa and/or the Same or Aphysikament Pennsyl vania and employed with the the same that to the best of any traveled the bart is accordance with the Laperture versatil described is this and/or the Same or Aphysikament Pennsyl vania and employed and the AME Code Section II. By signing this certificate Holder has communicate that partial accordance with the AME Code Section II. By assigning this partial Data Report. Pernsyl Vania 2392. Detra
	CERTIFICATION OF DESIGN FOR APPURTENANCE (where applicable) Design information on file or Stress analysis report on file ar Design specifications certified by CERTIFICATE OF SHOP INSPECTION I, the endersigned, holding a valid commission issued by the National Board of Beiler and Preifine? Veikel Inspectary CERTIFICATE OF SHOP INSPECTION I, the endersigned, holding a valid commission issued by the National Board of Beiler and Preifine? Veikel Inspectary add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary Add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary Add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary add/or the Same or Management commission issued by the National Board of Beiler and Preifine? Veikel Inspectary Add Edit She MT Certificate Noter that Commission issued to the part of a pressure reased doer in thio amplicy or makes any Same that to the best of any throwedes By signing this certificate, mether the Inspectate white Management and the Addit Code Section III. By signing this certificate, mether the Inspectate white Management and the Addit Code Section III. By signing this certificate, mether the Inspectate white Management and the Addit Code Section III. By signing this certificate for any personal fairer or property damage or a lease of any bind ariang from er connected with the Inspectate or Internet and the Addit Internet and the Addit Internet and the Addit

Assigned to: ????

FOR INFORMATION ONLY

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	NUCLEAR PARTS As Required by the Provis	DERS' DATA REPORT FOR IDE AND APPURTENANCES' Ions of the ASME Code, Sectio One Day's Production	•
		480 NORRISTOWN ROAD, BLUE BI (name and address of NPT Canadicate Holder)	ELL, PA 19422-0760
2. Manufactured forF	RAMATOME TECHNOLOGIES	(name and address of purchaser)	
3. Location of installation	STOCK	(name and address)	
4. Type <u>969155-08</u> (drawing no.)	AMS5385E (disc) (met). spec. no.)	52,000 PSI MIN. (tarsile strength)	N/A 19
5. ASME Code, Section III:	1986	<u>NONE 1</u>	<u> </u>
	(notition)	(addenda date) (class)	
 Fabricated in accordance with Control 	onst. Spec. (Div. 2 only)	Revision	Date
7. Remarks: FABRICATED I	NACCORDANCE WITH CONS	TRUCTION DATA 989005 REV. A. P	RESSURE RETAINING PARTS F
J. Nom. thickness (in.)	Min. design thickness (in.)	N FOR THE FACILITY USING THE P Dia. ID (ft. & in.) for each item of this report:	· ·
3. Nom. thickness (in.)	Min. design thickness (in.)	— Dia. ID (ft. & in.)	Length overall (ft. & in.)
3. Nom. thickness (in.) 9. When applicable, Certificate Hold Part or Appurtenance Serial Number	Min. design thickness (in.) lers' Data Reports are attached i National Board No.	Dia. ID (ft. & in.) for each item of this report: Part or Appurtenan Serial Number	Length overall (ft. & in.) nce National Board I
3. Nom. thickness (in.) 3. When applicable, Certificate Hold Part or Appurtenance Serial Number (1) AV94-B1 (2) AV94-B2	Min. design thickness (in.) lers' Data Reports are attached i National Board No.	Dia. ID (ft. & in.) for each item of this report: Part or Appurtenan Serial Number (26) AV94-B26 (27) AV94-B27	Length overall (ft. & in.) nce National Board I
3. Nom. thickness (in.) 9. When applicable, Certificate Hold Part or Appurtenance Serial Number (1) AV94-B1 (2) AV94-B2 (3) AV94-B3	Min. design thickness (in.) lers' Data Reports are attached i National Board No.	Dia. ID (ft. & in.) for each item of this report: Part or Appurtenan Serial Number (26) AV94-B26 (27) AV94-B27 (28) AV94-B28	Length overall (ft. & in.) nce National Board I
3. Nom. thickness (in.) 9. When applicable, Certificate Hold Part or Appurtenance Serial Number (1) AV94-B1 (2) AV94-B2 (3) AV94-B3 (4) AV94-84	Min. design thickness (in.) lers' Data Reports are attached i National Board No.	Dia. ID (ft. & in.) for each item of this report: Part or Appurtenan Senial Number (26) AV94-826 (27) AV94-826 (27) AV94-827 (28) AV94-828 (29) AV94-829	Length overall (ft. & in.) nce National Board I
3. Nom. thickness (in.) 9. When applicable, Certificate Hold Part or Appurtenance Serial Number (1) AV94-B1 (2) AV94-B2 (3) AV94-B3 (4) AV94-B3 (4) AV94-85	Min. design thickness (in.) lers' Data Reports are attached i National Board No.	Dia. ID (ft. & in.) for each item of this report: Part or Appurtenan Serial Number (26) AV94-826 (27) AV94-826 (27) AV94-827 (28) AV94-828 (29) AV94-829 (30) AV94-830	Length overall (ft. & in.) nce National Board I
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*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ ± 11, (2) information in items 2 and 3 on this Data Report is *ncluded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/86)

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 B	0F26

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_ FOR INFORMATION ONLY

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MIr. Serial No. SEE FRONT

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	CERTIFICATION OF DE		
Design specifications certified by	(SEE REMARKS)	P.E. State	Reg. no
Design report* certified by		P.E. State	
	CERTIFICATE OF SHOP CON	IPLIANCE	
We certify that the statements made in the conforms to the rules of construction of the rules of constr	his report are correct and that this (these) ne ASME Code, Section III.	STEM AND DISC ASSEMBL	IES, 1 INCH
NPT Certificate of Authorization No.	N-2450		ER 14, 1998
Date 5/21/98	Name YARWAY CORPORATION	Signed	D. Des gles
		• -	d representative) PESZKA
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF SHOP INSI	PECTION	······································
	sion issued by the National Board of Boiler and employed by* ARKWRI0		
of NORWOOD, MA have inspec	cted these items described in this Data Rep	ort on	
	e and belief, the Certificate Holder has fabric has been authorized for stamping on the da		es in accordance with t
By signing this certificate, neither the insp this Data Report. Furthermore, neither th loss of any kind arising from or connected	ector nor his employer makes any warranty, e inspector nor his employer shall be liable in with this inspection	expressed or implied, concernin h any manner for any personal in	g the equipment descri jury or property damag
	·····	ENGINEERING ASSOCIATION	
Date 05/21/98_ signed 4	A Thistyer a	commissions <u>PAR389</u>	N'S'
	(Autholized Inspector)	Otori Bet Ford and	chements) state or provi and a

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PAGE 9 OF 26

152A-II

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

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	769 S	alem Blvd, Berwie			Sheet	1	_ Of	1	
2. Pla	int Su	squehanna Stear		n	Unit			ONE	
		Name Name Alem Blvd, Berwie	-					CRF # 02-152-	D01
	· · · · · · · · · · · · · · · · · · ·	Address				Repair Orga	anization	n P.O. No., Job No., etc.	
. Wo	ork Performed by	PPL Su	squehanna, LLC	>	Type Code S	ymbol S	tamp	None	
	769 S	alem Blvd, Berwid	ck, PA 18603		Authorization	No		N/A	. <u> </u>
					Expiration Da	ite		N/A	
									· · · ·
4. Id	entification of Syste	em	HPCI	WATER LOO	OP SYSTEM	152A, (CLAS	SS II	
5. (a (l	a) Applicable Const b) Applicable Editio		•	71 Edition placements 19	, thru W'72 89	Add	enda,		ide Case I)
5. (a (l	a) Applicable Const b) Applicable Editio	ruction Code	III 19 d for Repairs or Re	71 Edition placements 19	, thru W'72 89	Add (* \$	enda,	.* Co	
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5. (a (t	a) Applicable Const b) Applicable Editio entification of Com Name of Component VALVE	n of Section XI Utilize bonents Repaired or F Name of Manufacturer	III 19 d for Repairs or Rep Replaced and Repla Manufacturer Serial No. 0086-6	71 Edition placements 19 accement Compo National Board No.	, <u>thru W'72</u> 89 nents Other Identification	Add. (* \$ Y B	enda, SEE R ear uilt	* Co EMARKS SECTION Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

7. Description of Work

REPLACED VALVE DISC, DRILLED NEW DISC FOR LOCKING PIN

8. Tests Conducted: Hydrostatic Other Nominal Operating Pressure (NOI psi Test Temp. ______°F

(NON VT-2 PER MI-PS-008)

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.

Pneumatic

Pressure

9. Remarks CODE DATA SHEET ATTACHED. CODE OF CONSTRUCTION: PACIFIC ORIGINAL VALVE Applicable Manufacturer's Data Reports to be attached

'71 ED WIN '72 ADD CC 1622, 1516-1, 1567 & 1335-9. REPLACEMENT PARTS '71 ED WIN '72 NO CC

	CERTIFICATION		NCE	
We certify that the statements man ASME Code, Section XI.	de in the report are correct		LACEMENT confe	orms to the rules of the
Type Code Symbol Stamp		N//	4	
Certificate of Authorization No.	N/A	Expiration Date		N/A
Signed	Supv Site Modifications Gro	Date	nay 31	, 2002
CE	RTIFICATION OF IN	SERVICE INS	SPECTION	
the undersigned, holding a valid comm or Province of <u>PENNSYLVANIA</u> JOHNSTON. RHODE ISLAND of this Owner's Report during the period of the best of my knowledge and belief, to owner's Report in accordance with the re By signing this certificate neither the I xaminations and corrective measures d hall be liable in any manner for any person personspection.	and employed by 2 ~ 28 - 02 he Owner has performed ex- equirements of the ASME C nspector nor his employer is escribed in this Owner's Re	to	JTUAL INSURANCE have inspected the <u>7 ~ Z/- 0</u> taken corrective meanty, expressed or im ore, neither the Inspe any kind arising from	CO. of components described 2 , and state that asures described in this plied, concerning the or connected with this $13/105$ $Pa236$.

	As Requi	ired by the Provisi	AND APPURTENAN ons of the ASME Co ed One Day's Produ	ode, Section III	Pg. 1 o
Manufa	ctured and certified by	CRANE Nuc	clear, Inc., 860 Remingtor (name and address of N	Boulevard, Bolingbro	ook, IL 60440
Manufa	ctured for Pennsylvania Pe	ower & Light 2 North 1	(name and address of pure	pa (6101-1175	
	n of installation Susquehar	na Nuclear Plant PO	Box 467 Berwick, PA 1	8603	
Locatio	n of installation		(name and addr		
Туре	CB02583, Rev. A	SA516 Gr. 70	70 KSI Min.		2001 (year built)
.16-	(drawing no.)	(mal'1 spec. no.)	(tensile strength)		
ASME	Code, Section III, Division 1:	1971 (edition)	Winter 1972 (addenda dale)	(class)	(Code Case no.)
		1		vision N/A	Date N/A
Fabric	ated in accordance with Cons	L Spec. (Div. 2 only)	<u></u> Re (no.)		
_		m 2 SO No 12928-02	2 16" Disc, P/N H4013	/ CB02583-459N2) w/S	Stellite #6 Hardfacing
Remar		-			** No Hydro perfor
Fora	16" 180-7-WE-X, 150#, Swing	Check Valve Assemt	bly Drawings No. CB0258	b, Rev. A	No riyaro penan
Materi	al supplier. Energy & Process	Corp. Heat No.: Y800	71		
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FORM N-2 (Back) - Pg. 2 of 2

•		CERTIFICATION OF	DESIGN	
Design specificatio	ns certified by	John R. Schmiedel	P.E. State	PA Reg. No. <u>19870-E</u>
Design report * cer	tified by	N/A (when appicable)	P.E. State	VA Reg. No. N/A
		report are correct and that this (the ASME Code, Section III, Division 1		14013 (CB02583-459N2)
NPT Certificate of J	Authorization No.	N-2900	Expire	s September 24, 2002
		CRANE Nuclear, Inc.	Signed Jan	> Peteriel
Date 07/31/	<u>'01 Name</u>	(NPT Cartificate Holder)		(Authorized Representative) Garrett Petrovich Sr. Quality Assurance Engineer
		CERTIFICATE OF INS	PECTION	
I, the undersigned,	holding a valid commis-	sion issued by the National Board o	f Boiler and Pressure Vesse	Inspectors and the State or
Province of	lilinois	and employed by		Insurance Company
-		spected these items described in thi		31/01 , and state that to th
best of my knowled	ige and belief, the Certil	ficate Holder has fabricated these p	arts or appurtenances in acc	cordance with the ASME Code,
		been authorized for stamping on th		
	tit Endi berriered und			
	itiante paither the incom	stor oor his employor makes any w		d concerning the equipment
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By signing this cert Jescribed in this D or property damage	ata Report. Furthermon e or loss of any kind aris	e, neither the inspector nor his emp sing from or connected with this insp some Buch Co (Altroview Nuclear Inspector)	arranty, expressed or implie loyer shall be liable in any m pection. pmmissions	anner for any personal injury Illinois 1077
By signing this cert Jescribed in this D or property damage	ata Report. Furthermon e or loss of any kind aris	e, neither the inspector nor his emp sing from or connected with this insp some Buch Co (Altroview Nuclear Inspector)	arranty, expressed or implie loyer shall be liable in any m pection. pmmissions	anner for any personal injury Illinois 1077

152B-I

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	C	5/01/2002	
	769 Sa	lem Blvd, Berwi	ck, PA 18603		Sheet	<u> </u>	f1	
2. Plant	Sus	quehanna Stea		on	Unit		ONE	
	769 Sal	em Blvd, Berwi	-				72, 02-152-002	
3. Work Per	formed by _	Address PPL Su	squehanna, LL(<u> </u>	R Type Code Sy		on P.O. No., Job No., etc. None	
	769 Sa	lem Blvd, Berwi			Authorization	No	N/A	
		,			Expiration Dat	te	N/A	
4. Identifica	ation of System	n	HPCI	TURBINE &	AUX SYSTEM	152B, CL	ASS I	
(b) App	licable Edition	uction Code of Section XI Utilize onents Repaired or I	d for Repairs or Re	placements 19	89	_ Addenda	Co (* SEE REMARKS	ode Case)
_	me of aponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) VALVE (BODY		ANCHOR DARLING	E5853-22-1	N/A	HV155F003	1975	REPAIRED	YES
2) VALVE (DISC)		ANCHOR DARLING	U6802	N/A	HV155F003	1994	REPLACED	YES
3) VALVE	• • •	BW/IP	¥470	N/A	HV155F003	1998	REPLACEMENT	YES

7. Description of Work

(DISC) 4) VALVE

(DISC)

BW/IP

Y470

REPAIRED VALVE GUIDE BY WELDING, REPLACED & FITTED NEW DISC.

HV155F003

1998

REPAIRED

YES

8. Tests Conducted:	Hydrostatic	Pneumatic	Nom	inal Operating Pressure	(SEE REMARKS SECTION)
	Other	Pressure	 psi	Test Temp.	 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.

N/A

FORM NIS-2 (Back)

4

9. Remarks CODE DATA REPORT ATTACHED. CODE OF CONSTRUCTION ORIGINAL VALVE '71 ED '72 Applicable Manufacturer's Data Reports to be attached

ADD CC 1334-2, 1516-1, 1534, 1535-2. REPLACEMENT DISC '71 ED '72 ADD NO CC.

TESTING PERFORMED: VT-3 PER NDE-VT-003.

CERTIFIC	ATION OF COMPLIANCE
We certify that the statements made in the report ar	e correct and this REPAIR & conforms to the rules of the REPLACEMENT
SME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
Signed	Date May 31, 2002
CERTIFICATION	

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FOR INFORMATION ONLY

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Expires On: \?

 (b) Manufactured for Pennsylvania Power & Light Co	., Two North Ninth St., Allentown, PA We have a complete access compared 18101-1175 Nar'l Bd. No. N/A W/A BW/IP International, Inc E3545 SA216-WCB date W72 Case NoClass 1
 (b) Manufactured for Pennsylvania Power & Light Co. Uters and entered of N Certificate identification Certificate Holder's Serial No. of Part S/N Y470 (a) Constructed According to Drawing No. D13507 (b) Description of Part Inspected Disc. Heat #I (c) Applicable ASME Code: Section III, Edition 1971 Addendary (b) Remarker 10" - 600# FW Gate 	., Two North Ninth St., Allentown, PA by Hutber & complete Exclusion Complete Nar'l Bd. No
 Merstification-Certificate Holder's Serial No. of Part <u>S/N Y470</u> (a) Constructed According to Drawing No. <u>D13507</u> Dra (b) Description of Part Inspected <u>Disc</u> <u>Heat #F</u> (c) Applicable ASME Code: Section III, Edition <u>1971</u>, Addendard Remarker <u>10" - 600 # FW Gate</u> (b) The description of service for 	Nar'l Bd. No. N/A wing Prepared by BW/IP International, Inc E3545 SA216-WCB date W72 Case No. Class 1
. Identification-Certificate Holder's Serial No. of Part <u>S/N Y470</u> (a) Constructed According to Drawing No. <u>D13507</u> Dra (b) Description of Part Inspected <u>Disc</u> <u>Heat #F</u> (c) Applicable ASME Code: Section III, Edition <u>1971</u> , Addendar Remarks: <u>10" - 600# FW Gate</u> (Brief description of service for	Nar'l Bd. No. N/A wing Prepared by BW/IP International, Inc E3545 SA216-WCB date W72 Case No. Class 1
 (a) Constructed According to Drawing Na. D13507 Drawing (b) Description of Part Inspected Disc Heat #I (b) Description of Part Inspected Disc Heat #I (c) Applicable ASME Code: Section III, Edition 1971 Addenda (Construction 10" - 600 # FW Gate (Drawing description of service for the section of section of service for the section of service for the section of s	BW/IP International, Inc E3545 SA216-WCB
(b) Description of Part Inspected Disc Heat #F (c) Applicable ASME Code: Section III, Edition, Addenda Remarks: 10" - 600# FW Gate (bits description of services for	E3545 SA216-WCB
(b) Description of Part Inspected Disc Heat #F (c) Applicable ASME Code: Section III, Edition, Addenda Remarks: 10" - 600# FW Gate (bits description of services for	E3545 SA216-WCB
(c) Applicable ASHE Code: Section III, Edition 1971, Addenda (Remarks:10" - 600# FW Gate(Brief description of service for	date, Case NoClass1
. Remarks: 10" - 600# FW Gate(Brief decergences of services for	
. Remarks: 10" - 600# FW Gate(Brief decergences of services for	
	which competent was designed
Shop Order #P785D-2	
NOTE: No Disc Hydro Performed	
We certify that the statements made in this report are correct and this owns to the rules of construction of the ASHE Code Section III.	is vesnel part or appurcesance as delined in the Cooc ci
BW/IP Internation Date 130 1998 Signed Valve Division (107 Corulesso Hudern	By TK & Withhur
Certificate of Authorization Expires4/15/98	Certificate of Authorization NoN1713
CERTIFICATION OF DESIGN FOR APPU	JRTENANCE (when applicable)
Design information on file at	
Scress malysis report on file at	
	Prof. Esc. State Reg. No
Design specifications certified by	
Stress analysis report certified by	Prof. Eng. State Reg. No
CERTIFICATE OF SHOP	P INSPECTION
I, the undersigned, holding a valid commission issued by the No	ational Board of Boiler and Pressure Vessel Inspectors
and/or the State or Pristiker of Pennsylvania and employ	yed by <u>Commercial Union Insurance Comp</u> rected the part of a pressure vessel described in this
	is
Partial Data Report on 123-57 CM 1-30-97 and belief, the NPT Certificate Holder has constructed this part in accord By signing this certificate, neither the laspector nor his employ	dance with the ASME Code Section III.
ing the part described in this Partial Data Report. Furth shall be liable in any manner for any personal injury or property with this inspection.	Gameld bit a that at any star attend tion at connected
1-30 19E	
Date 1970	
Charles Young Ligner Compission	Pennsylvania 2392
Jos la maria Comission	Pennsylvania 2392

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(10/77)

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This form (E000.40) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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

. Ow	ner	PPL Susque			Date		0	5/13/2002	<u> </u>
	769 Sal	em Blvd, Berwid			Sheet	1	Of	3	
2. Pla	nt Sus	Address quehanna Stear	m Electric Static	n	Unit			ONE	
	760 6 -	Name	-			SE	FATT	ACHED LIST	
	/09 580	em Blvd, Berwie Address	CK, PA 18603					n P.O. No., Job No., etc.	
3. Wo	ork Performed by	PPL Sus	squehanna, LLC	;	Type Code	Symbo	ol Stamp	None	
	769 Sal	em Blvd, Berwid			Authorizatic	n No.		N/A	
		Address			Expiration E	Date		N/A	
4. Id	entification of System	1	HPCI TURB	INE AND AU		•	M 152B		
	a) Applicable Constru		III 19		· _ · _ · _ · · · · · · · · · · · · · ·	2	ddenda, (* SE		de Case
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						,		,
6. I d	entification of Compo	nents Repaired or F	Replaced and Repla	cement Compo	nents				
6. ld	entification of Compo Name of Component	nents Repaired or F Name of Manufacturer	Replaced and Repla Manufacturer Serial No.	National Board No.	onents Other Identificatio	'n	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6. lde	Name of	Name of	Manufacturer	National Board	Other	ท		Replaced, or	Code Stamped (Yes or
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	א ח 	Built	Replaced, or Replacement	Code Stamped (Yes or No)
1)	Name of Component VALVE	Name of Manufacturer YARWAY	Manufacturer Serial No. 5636	National Board No. N/A	Other Identificatio 155019	HT	Built 1976	Replaced, or Replacement REPLACED	Code Stamped (Yes or No) YES
1)	Name of Component VALVE VALVE	Name of Manufacturer YARWAY FLOWSERVE	Manufacturer Serial No. 5636 E-660A-1-17	National Board No. N/A N/A	Other Identificatio 155019 155019	n	Built 1976 1999	Replaced, or Replacement REPLACED REPLACEMENT	Code Stamped (Yes or No) YES YES
1) 2) 3)	Name of Component VALVE VALVE VALVE	Name of Manufacturer YARWAY FLOWSERVE YARWAY	Manufacturer Serial No. 5636 E-660A-1-17 5612	National Board No. N/A N/A	Other Identificatio 155019 155019 155020		Built 1976 1999 1976	Replaced, or Replacement REPLACED REPLACEMENT REPLACED	Code Stamped (Yes or No) YES YES
1) 2) 3) 4)	Name of Component VALVE VALVE VALVE VALVE VALVE SMALL PIPE	Name of Manufacturer YARWAY FLOWSERVE YARWAY FLOWSERVE	Manufacturer Serial No. 5636 E-660A-1-17 5612 E-660A-1-9	National Board No. N/A N/A N/A	Other Identificatio 155019 155020 155020	-4	Built 1976 1999 1976 1999	Replaced, or Replacement REPLACED REPLACEMENT REPLACED REPLACEMENT	Code Stamped (Yes or No) YES YES YES

7. Description of Work		SEE ATTACHED SHEET	
8. Tests Conducted:	Hydrostatic Pneumatic Other Pressure	Nominal Operating Pressure _psi Test Temp.	(SEE ATTACHED SHEET)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informa-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 recorded at the top of this form.

FORM NIS-2 (Back)

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1

Remarks CODE DATA REPORT(S) ATTACHED.
Applicable Manufacturer's Data Reports to be attached
CERTIFICATION OF COMPLIANCE
We cotify that the statements made in the second statement of the second statements
ASME Code, Section XI. Conforms to the rules of the
Type Code Symbol Stamp
Certificate of Authorization No. N/A Expiration
Certificate of Authorization No N/A Date N/A
Signed Date May 31, 2002
Ovner 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
r Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of <u>JOHNSTON, RHODE ISLAND</u> of have inspected the components described
this Owner's Report during the period $3 - 1 - 0.0$ to $3 - 2 - 0.0$ and state that
by 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
kaminations and corrective measures described in this Owner's Report Furthermore, neither the Inspector por 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.
Dat + T.M.
Commissions NB 8845 A/N/I/B/N5 Pa 2361
Inspector's Signature National Board, State/Province, and Endorsements
Date June 3 20 02

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

1. Owner	. Owner PPL Susquehanna, LLC Name				Date		05/	13/2002		
	769 Salem Blvd, Ber Address	wick, PA 186	03			Sheet _	2	of		3
2. Plant	Susquehanna St	eam Electric S	Station			Unit			ONE	
	769 Salem Blvd, Ber Address	wick, PA 186	603						ched List	etc.
3. Work Per	rformed by PPL S	Susquehanna _{Name}	, LLC			Type Code	e Symbol Stamp No		one	
	769 Salem Blvd, Ben Address	wick, PA 186	03			Authorization No.			N/A	
	100/003					Expiration	Date		N/A	
4. Indentifie	cation of System		JRBIN	EA			YSTEM	152B, (CLASS II	
(b) App	licable Construction Code		-		•	thru W7		denda, SEE ATTA	• ACHED SHE	_ Code Case ET)
6. Identifica	ation of Components Repaired	or Replaced and	Replace	emeni	Compone	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)
8)	STEM/DISC ASSEMBLY	YARWAY	TEZG-B9	N/A	1RV-LSH-1N014	2000	REPLACEMENT	YES
9)	BACKSEAT BUSHING	YARWAY	6392	N/A	1RV-LSH-1N014	1976	REPLACED	YES
10)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	1RV-LSH-1N014	2000	REPLACEMENT	NO

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

1. Owner	PPL Susquehanna, LLC	Da	ate	05/13/200	02
	769 Salem Blvd, Berwick, PA 18603	Sł	neet <u>3</u>	of	3
2. Plant	Susquehanna Steam Electric Statio	n Ur	nit	ONE	
	769 Salem Blvd, Berwick, PA 18603			LIST BELOW	ob No., etc.
3. Work Pe	erformed by PPL Susquehanna, LLC	Ту	vpe Code Symbol S	Stamp	None
	769 Salem Blvd, Berwick, PA 18603	Αι	uthorization No.		N/A
		E	piration Date	1	N/A
4. Indentifi	ication of System HPCI TURBI	NE AND AUXILI	ARY SYSTEM	152B, CLAS	S II
(b) App	blicable Construction Code ASME Sec III * 19 blicable Edition of Section XI Utilized for Repairs or Rep action of Components Repaired or Replaced and Repla	placements 19 89) (*:	denda, <u>N/A*</u> SEE CODE EDI [*]	Code Case
	ORK CODE PROGRAM DESCRIPTION OF WOR		STING	CODE	

ITEM	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF WORK	TESTING	(ASME SECT. III)
1-6	261756	00-152-002	REPLACED VALVES 155019 & 155020 AND ASSOCIATED PIPING.	NON VT-2 PER MI-PS-008	ORIG VALVES, '74 ED W'74 ADD. REPLACEMENT VALVE(S) '86 ED NO ADD.
7-10	261367	00-152-003	1RV-LSH-1N014, REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING	NON VT-2 PER MI-PS-008	ORIG VALVE, '74 ED W'74 ADD. REPLACEMENT PARTS '86 ED NO ADD.

FOR INFORMATION 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 _____

The second s				
	Flowserve	e Corp.		
1 Manufactured and ce	rtified by701_First	t Street, Willi	amsport, PA 1	7701
I. Manufactured and cer	Pennsylvania Powe	er & Light Comp	dress of N Certificate Hold	ier)
0 Manufactured for	Two North Ninth	Street Allento	wn PA 18101.	
2. Manufactured for		ineme and address 0	f Purchaser or Owner)	
0 Leasting of installatio	Susquehanna Sta n <u>5 miles NE of 1</u>	Berwick on Rte	11. P.O. Box 4	67. Berwick, PA 1860
		(name	and address)	•
· · · · · · · · · · · · · · · · · · ·	., or Type <u>Valve</u>	Drawing W9825	189 / Rev. A	CRN_N/A
4. Model No., Series 140	., or type			
5. ASME Code, Section	III Division 1: 1986.	<u>N/A</u>		<u> </u>
5. ASINE CODE, DECION	(edi	tion) (addenda	date) (class) {Code Case no.)
6. Pump or valve Va.	lve Nominali	inlet size1"	Outlet size	<u> </u>
o. Pump or valve		(in.)		(in.)
7. Material: Body <u>SA</u>	216-WCB / Bonnet	N/A	iskAMS-5387 /	Bolting <u>N/A</u>
7. Matshai. 0007				
(2)	(b)	(c)	(d)	(e)
Cert.	Nat'l	Body.	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
		1/	N/A	HT #1899
E-660A-1-9	<u> </u>	3/	N/A	HT #1899
E-660A-1-11/	N/A	4	N/A	HT #1899
E-660A-1-12	N/A	10/	N/A	HT #1899/
E-660A-1-13	N/A	11/	N/A	HT #1899/
E-660A-1-14/	N/A	17/	N/A	HT #1899
E-660A-1-15/	N/A	19	N/A	<u>HT #1899</u>
E-660A-1-16	N/A	21	<u>N/A</u>	HT #1899 🖌
E-660A-1-17/	N/A	22	N/A	<u>• HT #1899</u>
E-660A-1-18 /	N/A .	23	N/A	<u>HT #1899</u>
<u> </u>	·			
	·			
	·	<u> </u>		······································
	· · · · · · · · · · · · · · · · · · ·	- <u>-</u>		

*Supplemental information in form of lists, sketches, 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.

(12/86)

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

ssigr			

FORM NPV-1 (back)

Design conditions2673psi6	BO°F or v	alve pressure	class1500#	_
Cold working pressure 3705 psi at 10	0°F			
, Hydrostatic test5575 psi. Disk differen	ial test pressure	4076		_ f
CEDITEIC	ATION OF DESIGN			
esign Specification certified by Matthew Hober	P.E. State	<u></u>	. Reg. no. <u>20118E</u>	
esign Specification cardined by esign Report certified byT. C. Bartlett	P.E. State		. Reg. no. 0390362	
CERTIFICATE				
Ve certify that the statements made in this report are corr	ct and that this pump or	valve conforms	to the rules for construc	tio
t the ASME Code, Section III, Division 1. Certificate of Authorization NoN1712		Expires	4/15/01	
		RJ Sta	meet.	
ate 3112199 Name FlowBerve Corp.	Signe	d UK d- YOUL		
IN Cartificate Hold	ar)	(authon)	ed representative)	

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State 3KPR3VARds of <u>Pennsylvania</u> and employed by<u>Commercial Union Ins. Co.</u> of <u>Boston</u>. MA <u>2.19 Cars</u> <u>3.15</u>, 19 <u>9.9</u>, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 of loss of any kind arising from or connected with this inspection.

Date 3-15-99 Signed Marcher / Turn Commission	Pennsylvania 2392
Charles Young	(Net'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

Assigned to: ????

FOR INFORMATION ONLY

Expires On: \?

*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.

(12/85)

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

PAGE 6 OF 21

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ned to: ????	FOR INFORMATION ONLY		Expires O
		•••	•
	FORM N-2 (back)	· ·	
		Mfr. Serial No. <u>SEE F</u> F	RONT
	CERTIFICATION OF DESIGN	l	
Design specifications certified by	(SEE REMARKS)	P.E. State Reg. n	10,
Design report ^e certified by	(vitian appleatitis) N/A	P.E. State Reg. n	· · · · · · · · · · · · · · · · · · ·
	(when applicable)		N
	CERTIFICATE OF SHOP COMPLI	ANCE	
We certify that the statements made in this conforms to the rules of construction of the	report are correct and that this (these) ASME Code, Section III.	STEM AND DISC ASSEMBLY, 1 INCH	<u> </u>
NPT Certificate of Authorization No.	N-2450	Expires <u>November, 14, 2001</u>	
Date 4/6/00		Signed like 11.8 The	R I I
	(NPT Certificate Holder)	(suthorized representative)	<u> </u>
	CERTIFICATE OF SHOP INSPEC		
i, the undersigned, holding a valid commissi PENNSYLVANIA ar	on issued by the National Board of Boiler and Id employed byFACTORY MU	Pressure Vessel Inspectors and the State	of Province of
of Johnston, RI have inspects	ed these items described in this Data Report of	ภ	
and state that to the best of my knowledge a ASME Code Section III. Each part listed ha	and belief, the Certificate Holder has fabricate as been authorized for stamping on the date a	d these parts or appurtenances in accorda. hown above.	nce with the
By signing this certificate, neither the inspec	tor nor his employer makes any warranty, eq inspector nor his employer shall be liable in an	pressed or implied, concerning the equipme	ent described in ty damage or
Date 04/06/00 Signed 101	The the	missions PA2389N'	
	(Authorized Inspector)	(Nat'l. Bd. [incl. endorsements) state of	r prov, and no.)
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153A-II

YES

YES

YES

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

1. Ov	wner	PPL Susque			Date	0	5/31/2002	
	769 Sal	em Blvd, Berwi	ck, PA 18603		Sheet 1	Of	3	
2. Pla	ant Sus	quehanna Stea		on	Unit		ONE	
	769 Sal	^{№am} em Blvd, Berwi	-			SEE S	HT 3 OF 3	
	105 04	Address			Repai	r Organizatio	n P.O. No., Job No., etc.	
3. W	ork Performed by	PPL Su	squehanna, LL	<u>c</u>	Type Code Symb	ool Stamp	None	
	769 Sale	em Blvd, Berwi			Authorization No.		N/A	
		Address			Expiration Date		N/A	
4. ld	ientification of System	n	STANDBY		NTROL SYSTEM	1 153A, (
(a) Applicable Constru b) Applicable Edition	of Section XI Utilize	d for Repairs or Re	eplacements 19	89	Addenda, (* SEE RE	N/A Co MARKS SECTION	ode Case 9)
6. Id	entification of Compo	nents Repaired or I	Replaced and Repla	acement Compo			Repaired,	ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or No)
1)	SQUIBB VALVE	CONAX	GE-562-EQ 5759	5759	HV148F004A	1999	REPLACED	YES
2)	SQUIBB VALVE	CONAX	GE-617-EQ 6124	6124	HV148F004A	2001	REPLACEMENT	YÉS
3) TRI	SQUIBB VALVE GGER ASSEMBLY	CONAX	GE-562-EQ 5734	5734	HV148F004A	1999	REPLACED	YES
4) TRI	SQUIBB VALVE GGER ASSEMBLY	CONAX	GE-617-EQ 6099	6099	HV148F004A	2001	REPLACEMENT	YES

7. Description of Work		SE	SEE ATTACHED LIST			
8. Tests Conducted:	Hydrostatic Pneu Other Pressure	umatic Nor	ninal Operating Pressure Test Temp.	•F	(SEE ATTACHED LIST)	

5758

6123

5733

HV148F004B

HV148F004B

HV148F004B

1999

2001

1999

REPLACED

REPLACEMENT

. .

REPLACED

CONAX

CONAX

CONAX

SQUIBB VALVE

INLET FITTING

SQUIBB VALVE

INLET FITTING

SQUIBB VALVE

TRIGGER ASSEMBLY

GE-561-EQ

5758

GE-616-EQ

6123

GE-561-EQ

5733

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

5)

6)

7)

FORM NIS-2 (Back)

9. Remarks CODE DATA SHEETS ATTACHED. ORIGINAL CONAX & UNION PUMP VALVE CODE OF Applicable Manufacturer's Data Reports to be attached

CONST: 1968 DRAFT PUMP & VALVE CODE. CONAX REPLACEMENT PARTS ASME SEC III

1977 ED SUM 1977 ADDENDA

CERTIFICATION OF CON	MPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI.	REPLACEMENT conforms to the rules of the repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A Expiration	onN/A
Signed Date	June 12 ,2002
JOHNSTON, RHODE ISLAND in this Owner's Report during the period <u>11-29-01</u> to the best of my knowledge and belief, the Owner has performed examination Owner's Report in accordance with the requirements of the ASME Code, Sec By signing this certificate neither the Inspector nor his employer makes any examinations and corrective measures described in this Owner's Report. Fur shall be liable in any manner for any personal injury or property damage or a linspection.	RY MUTUAL INSURANCE CO. of have inspected the components described to to 4-3-02 , and state that ts and taken corrective measures described in this is is and taken corrective measures described in this , and state that y warranty, expressed or implied, concerning the thermore, neither the Inspector nor his employer oss of any kind arising from or connected with this 87980 A, N, I, B, NS
Inspectors Signature N	lational Board, State, Province, and Endorsements
Date JUNE 17 2002	

153A-II

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

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1. Owner	PPL Susque	hanna, LLC		Date	0	5/31/2002	
<u></u>	Na					<u> </u>	
769 Sal	em Blvd, Berwi	ck, PA 18603		Sheet 2	2 of	3	
2. Plant Sus	quehanna Stea	m Electric Statio	on	Unit		ONE	
	Nam	e				HT 3 OF 3	
769 Sal	em Blvd, Berwi	ck, PA 18603		Ren		in P.O. No., Job No., etc.	
3. Work Performed by _		squehanna, LLC	<u> </u>	Type Code Sym	-		
769 Sal	em Blvd, Berwi	ck, PA 18603		Authorization No	D	N/A	
	Address			Expiration Date		N/A	
4. Indentification of Syste	m	STANDBY	LIQUID CON	ITROL SYSTEI	M 153A,	CLASS II	
 (a) Applicable Constru (b) Applicable Edition 	ction Code	* 19	71 Edition,	thru W'72	Addenda,	Co EMARKS SECTION	
6. Identification of Compo	nents Repaired or I	Replaced and Repla	acement Compor	ients		•····	
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)
8) SQUIBB VALVE TRIGGER ASSEMBLY	CONAX	GE-616-EQ 6098	6098	HV148F004B	2001	REPLACEMENT	YES
9) PUMP (PLUNGERS)	UNION PUMP	284222	N/A	1P208A	1973	REPLACED	YES
10) PUMP (PLUNGERS)	GE	N/A	N/A	1P208A	1985	REPLACEMENT	NO
11) PUMP (PLUNGERS)	UNION PUMP	284223	N/A	1P208B	1973	REPLACED	YES
12) PUMP (PLUNGERS)	GE	N/A	N/A	1P208B	1989	REPLACEMENT	NO
13) PUMP (PLUNGERS)	UNION PUMP	284222	N/A	1P208A	1973	REPLACED	YES
14) PUMP (PLUNGERS)	GE	N/A	N/A	1P208A	1991	REPLACEMENT	NO

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

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1. Owne	er PPL Su	squehanna, LLC		Date		05	/31/2002
	769 Salem Blvd, B Addres			Sheet	3	of	3
2. Plant	Susquehanna	Steam Electric Statio	in	Unit			ONE
	769 Salem Blvd, B Address					* = = = : •	T BELOW P.O. No., Job No., etc.
3. Work	Performed byPPI	<u>- Susquehanna, LLC</u> _{Name}	;	Type Code	Symbol	Stamp	None
	769 Salem Blvd, B		<u>. </u>	Authorizati	on No.		N/A
				Expiration	Date		N/A
4. Inde	ntification of System	STANDBY	LIQUID CONT	ROL SYS	STEM 1	53A, C	CLASS II
(b) /	Applicable Construction Code Applicable Edition of Section XI I tification of Components Repaire	Jtilized for Repairs or Rep	-	Thru W'7 89 nts	//0	denda, SEE RE	N/A* Code Case MARKS SECTION 9)
ITEM(S)	WORK ORDER		DESCRIPTION OF	FWORK			DESCRIPTION OF TESTS

ITEM(S)	WORK ORDER		DESCRIPTION OF WORK	DESCRIPTION OF TESTS
1-4	307880	01-153-001	HV-143F004A, REPLACED INLET FITTING & TRIGGER ASSMEBLY	VT-2 PER SE-153-301 TEMP 66.8°F /PRESS 1418 PSIG
5-8	302962	01-153-002	HV-143F004B, REPLACED INLET FITTING & TRIGGER ASSMEBLY	VT-2 PER SE-153-301 TEMP 66.8°F /PRESS 1418 PSIG
9-10	S84029	02-153-001	1P208A, REPLACED PLUNGERS	NON VT-2 PER MI-PS-008
11-12	S84030	02-153-002	1P208B, REPLACED PLUNGERS	NON VT-2 PER MI-PS-008
13-14	102216	02-153-003	1P208A, REPLACED PLUNGERS	NON VT-2 PER MI-PS-008

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FOR INFORMATION ONLY

Expires On: \??

	FORM N-2	CERTIFICATE HOLDERS		IDENTICAL	
	As Rec	quired by the Provisions o	f the ASME Code, Se	ction III	
		Not to Exceed One	Day's Production		Pg. 1
. Manufac	ctured and cartifled by	IST-Conax Nuc	Hear, Inc. 402 Sonwill Dri Inerne and address of NPT Ce		WY 14225
, Manufac	ctured for	GE Nuclear Energ			l
			(name and address of Purchaser)		
. Location	n of installation		Unknown		
. Type:	N38017, Rev. F	SA479 3045ST	75 XSI	i 1 -	2001
	(drawing ne.)		(tansile strangtit)	(CRM)	(year build)
ASME	Code, Section III, Division 1	·	\$77	1	N/A
		(edition)	jadzienste datal	(classi)	(Code Case
. Fabricat	ed in accordance with Cons	st. Spec. (Div. 2 only)	N/A Revision		Date
			······································	· • · · · -	
. Remarki	: Inter Firting for exp	losive actuated valve replacem	ent kit for standby liquid c		
	•				
	Pressure Test at 2	BOO psi for 10 minutes.	· · · ·		
· · · · · · · · · · · · · · · · · · ·					
. Nom. th	ickness (In.)040Mir	n. design thickness (in.) <u>.03</u>	<u>51</u> Dia, ID (ft & in.)	.815 Longth o	
. When ap	oplicable, Certificate Holden	s' Data Reports are attached fo	or each item of this report:	:	• •
		· · · · · · · · · · · · · · · · · · ·	·		
					Nusional
	Part or Appurtenance	National	Part or A	ppurtenance	National Board No.
	Part or Appurtenance Serial Number	Board No.			Board No.
				ppurtenance	Board No.
	Serial Number	Board No. In Numerical Order	Serial	ppurtenance	Board No.
(1) (2)		Board No.	Serial	ppurtenance Number	National Board No. In Numerical C
(1)	Serial Number 6117	Board No. In Numerical Order 6117	(26) (27)	ppurtenance Number	Board No.
(1) (2)	Serial Number 6117 6118	Board No. In Numerical Order 6117 6318	(26) (27) (27) (28)	ppurtenance Number	Board No.
(1) (2)	Serial Number 6117 6118 6119	Board No. In Numerical Order 6117 6118 6119	(26) (27) (27) (28) (29) (30)	ppurtenance Number	Board No.
(1) (2) (3) (4)	Serial Number 6117 6118 6119 6120 6121 6122	Board No. In Numerical Order 6117 6118 6119 6120 6121 6122	(26) (27) (27) (28) (29) (30) (31)	ppurtenance Number	Board No.
(1) (2) (3) (4) (5) (6) (7)	Serial Number 6117 6118 6119 6120 6121 6122 8123	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 8123	(26) (27) (28) (28) (29) (29) (30) (31) (31) (32)	ppurtenance Number	Board No.
	Serial Number 6117 6118 6119 6120 6121 6122 8123 8124	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 8123 6124	(26) (27) (28) (29) (29) (30) (30) (31) (31) (32) (33)	ppurtenance Number	Board No.
	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 8123 6124 6125	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34)	ppurtenance Number	Board No.
(1) (2) (3) (4) (5) (5) (5) (7) (8) (9) (10)	Serial Number 6117 6118 6119 6120 6121 6122 6122 6123 6123 6124 6125 6126	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35)	ppurtenance Number	Board No.
(1) (2) (3) (4) (5) (5) (5) (7) (8) (9) (10) (11)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6127	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126 6126 6127	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36)	ppurtenance Number	Board No.
(1) (2) (3) (4) (5) (5) (5) (7) (8) (7) (8) (9) (10) (11) (11) (12)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6126 6127 6128	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37)	ppurienance Number	Board No.
(1) (2) (3) (3) (4) (5) (5) (5) (7) (7) (8) (10) (10) (11) (11) (12) (13)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6126 6127 6128 6129	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126 6126 6127 6128	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38)	ppurienance Number	Board No.
(1) (2) (3) (3) (4) (5) (5) (5) (7) (6) (7) (7) (8) (10) (10) (11) (11) (12) (13) (14)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6126 6127 6128 6129 6130	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6125 6126 6127 6128 6129	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (5) (6) (7) (6) (7) (8) (7) (7) (8) (10) (11) (11) (12) (13) (14) (15)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6126 6126 6127 6128 8129 8130 6131	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6125 6126 6127 6128 6129 6130	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (6) (7) (6) (7) (8) (7) (7) (8) (17) (10) (11) (12) (13) (14) (15) (16)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6126 6127 6128 6128 6129 6130 6131 6132	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126 6126 6127 6128 6129 6130 6131	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (5) (6) (7) (7) (8) (10) (11) (11) (12) (13) (14) (15) (16) (16) (17)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6127 6128 6129 6130 6131 6132 6133	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126 6126 6127 6128 6129 6130 6131 6132	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (6) (7) (8) (10) (11) (12) (13) (14) (15) (16) (16) (17) (18)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6126 6127 6128 8129 6130 6131 6132 6133 6134	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126 6127 6128 6129 6130 6131 6132 6133	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (43)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (6) (7) (8) (10) (11) (12) (13) (14) (15) (16) (16) (17) (18) (18) (19)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6123 6124 6125 6126 6126 6126 6127 6128 8129 6130 6131 6132 6134 6135	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6124 6125 6126 6127 6128 6127 6128 6130 6131 6132 6134	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (44)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (6) (7) (8) (10) (11) (12) (13) (14) (15) (16) (16) (17) (18) (18) (19) (19) (20)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6126 6127 6128 6129 6130 6131 6132 6134 6135 6136	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6122 6123 6124 6125 6126 6127 6128 6128 6130 6131 6133 6134 6135 6136	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (45)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (5) (6) (7) (8) (10) (11) (12) (13) (14) (15) (16) (16) (17) (18) (19) (18) (19) (20) (21)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6127 6128 6129 6130 6131 6132 6135 6136 6137	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6123 6124 6125 6126 6127 6128 6128 6130 6131 6133 6134 6135	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (40) (41) (42) (43) (44) (45) (46)	ppurtenance Number	Board No.
(1) (2) (3) (4) (5) (5) (5) (7) (8) (10) (11) (12) (13) (14) (15) (16) (16) (17) (18) (19) (18) (19) (20) (21) (22)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6126 6127 6128 6129 6130 6131 6132 6134 6135 6136 6137 6138	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6123 6123 6124 6125 6125 6126 6127 6128 6129 6130 6131 6132 6133 6134 6135 6136 6137	Serial (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (40) (41) (42) (43) (44) (45) (46) (47)	ppurienance Number	Board No.
(1) (2) (3) (4) (5) (5) (5) (7) (6) (7) (7) (7) (7) (10) (11) (12) (13) (14) (15) (16) (16) (17) (18) (19) (20) (21) (22) (23)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6127 6128 6129 6130 6131 6132 6133 6134 6135 6136 6137 6138 6139	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6122 6123 6124 6125 6126 6127 6128 6128 6129 6130 6131 6133 6134 6135 6136 6137 6138	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (40) (41) (42) (43) (44) (44) (45) (48)	ppurtenance Number	Board No.
(1) (2) (3) (4) (5) (5) (6) (7) (8) (10) (11) (12) (13) (14) (15) (16) (17) (18) (16) (17) (18) (19) (20) (21) (21) (22) (23) (24)	Serial Number 6117 6118 6119 6120 6121 6122 6123 6124 6125 6126 6126 6127 6128 6129 6130 6131 6132 6133 6134 6135 6136 6137 6138 6139	Board No. in Numerical Order 6117 6118 6119 6120 6121 6122 6122 6122 6122 6123 6124 6125 6126 6127 6128 6128 6129 6130 6131 6132 6133 6134 6135 6136 6137 6138 6139	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (40) (41) (42) (43) (44) (44) (45) (48)	ppurtenance Number	Board No.

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10: ????	FOR INFORMATION ONLY			Expires			
	FORM N-2 (Back ~ Pg, 2	2'of <u>2</u> }		007B			
	Certificate Holder's S	Serial Nos61	17 through	<u> </u>			
	CERTIFICATION OF DE	SIGN					
Design specifications certified by	George I. Skoda	P.E. State	CA Reg.	no. <u>15847</u>			
Design report • certified by	Francis J. Domino	P.E. State	<u>NY</u> Reg.	no. <u>36832</u>			
	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that this (these) best Fittings beforms to the rules of construction of the ASME Code, Section III, Division 1.						
	de in this report are correct and that this (these		blet Fittings				
	de in this report are correct and that this (these on of the ASME Code, Section III, Division 1.	e}	September 2,	2001			
conforms to the rules of construction	de in this report are correct and that this (these on of the ASME Code, Section III, Division 1. 	e}		2001 2.hm			
conforms to the rules of construction No	de in this report are correct and that this (these on of the ASME Code, Section III, Division 1. 	e)ExpiresSigned_Pac		2001 Am			
conforms to the rules of construction NPT Certificate of Authorization No Date $5/22/61$ Name I, the undersigned, holding a valid corr	de in this report are correct and that this (these on of the ASME Code, Section III, Division 1. 	e)Expires	September 2, L.E.L.AUX textorized represent	hm_			
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FOR INFORMATION ONLY

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	red and certified by			. Cheektowaga, NY	14225
		· · · · · · · · · · · · · · · · · · ·	thema and address of NPT Co	rtificate Holder)	
Aanufactu	red for	GE Nuclear Ener	gy, 175 Curtner Avenue, S	an Jose, CA 95125	
			(norms and address of Purchaser	1	
ocation of	f installation	· · · · · · · · · · · · · · · · · · ·	Unknown		
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abricated	in accordance with Const. S	Spec. (Div. 2 only)	N/A Revision		Date
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lemarks:	Trigger Body Subasse	mbly for explosive actuated	d valve replacement kit for	standby liquid contr	ci system.
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lom, thick	ness (in.) <u>See Remarks</u> Min. d	esign thickness (in.) <u>See R</u>	lemante Dia. ID (ft & in.) s	ee Remarks Longth o	verall (ft & in.) <u>See Rem</u>
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*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.

(9/25/20)

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803	FORM N-2 (Back ~ Pg.	2 of <u>2</u>)	·····	04
	Cartificate Holder's	Serial Nos. 60		611
		·. · · ·		···
Design specifications certified by	CERTIFICATION OF D George I. Skoda (when applicable)		CA Reg. no.	158
Design report [®] certified by	Francis J. Domino	P.E. State	NY Reg. no.	368
				<u> </u>
	CERTIFICATE OF COMP			
We certify that the statements made in th	his report are correct and that this (the		gger Body Subassembly	
conforms to the rules of construction of t	he ASME Code, Section III, Division 1	•		
NPT Certificate of Authorization No.	N.1950	Expires		
Date 5/22/01 Name		exputes	September 2, 2001	1
Data 0/040/0/ Nama	IST Conax Nuclear	Signed	ul Clouch	ma
	(NPT Cartificate Holder)			
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		CTION ·		
I, the undersigned, holding a valid commissio	(NPT Certificate Holder) CERTIFICATE OF INSPE		 Inctors and the State or Pro-	vince of
I, the undersigned, holding a valid commissio New York and employed by	OVPT Certificate Holder) CERTIFICATE OF INSPE In issued by the National Board of Bolier Hartford Steam	and Pressure Vessel Inspe n Boller Inspection & Ins	италсе Сотралу	
I, the undersigned, holding a valid commissio <u>New York</u> and employed by of <u>Hartford, CT</u> have inspect best of my knowledge and belief, the Certi Section III, Division 1. Each part listed has By signing this certificate, neither the inspe	OVPT Certificate Holder) CERTIFICATE OF INSPE In issued by the National Board of Boiler Martford Steam ted these items described in this Data ifficate Holder has fabricated these par been authorized for stamping on the ector nor his employer makes any wai	and Pressure Vessel Inspen n Boller Inspection & Ins- Report on <u>NOV</u> 1 ts or appurtenances in a date shown above. rranty, expressed or imp	<u>trance Company</u> , and st <u>ccordance with the ASM</u> liad, concerning the emili	ste that IE Code
I, the undersigned, holding a valid commissio <u>New York</u> and employed by of <u>Hartford, CT</u> have inspect best of my knowledge and belief, the Certi Section II, Division 1. Each part listed has By signing this cartificate, neither the inspi described in this Data Report. Furthermore property damage or loss of any kind arising	(NPT Certificate Holder) CERTIFICATE OF INSPE In Issued by the National Board of Bolier Hartford Steam ted these items described in this Data ifficate Holder has fabricated these par been authorized for stamping on the ector nor his employer makes any war e, neither the inspector nor his employ g from or connected with this inspecti	and Pressure Vessel Inspe- n Boller Inspection & Ins- Report on <u>NAY</u> ts or appurtenances in a date shown above. rranty, expressed or imp yer shall be liable in any ion.	urance Company 2.2001, and st ccordance with the ASM lied, concerning the equip manner for any personal	ate that IE Code provent injury o
I, the undersigned, holding a valid commissio <u>New York</u> and employed by of <u>Hartford, CT</u> have inspect best of my knowledge and belief, the Certi Section III, Division 1. Each part listed has By signing this certificate, neither the inspect described in this Data Report. Furthermore	(NPT Certificate Holder) CERTIFICATE OF INSPE In Issued by the National Board of Bolier Hartford Steam ted these items described in this Data ifficate Holder has fabricated these par been authorized for stamping on the ector nor his employer makes any war e, neither the inspector nor his employ g from or connected with this inspecti	and Pressure Vessel Inspe- n Boller Inspection & Ins- Report on <u>NAY</u> ts or appurtenances in a date shown above. rranty, expressed or imp yer shall be liable in any ion.	urance Company 2.2001, and st ccordance with the ASM lied, concerning the equip manner for any personal	ate that IE Code proent injury o

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

1. Owner	PPL Suse	uehanna, LLC.		Date		05/	/13/2002	
<u></u>	769 Salem Blvd, Be	Name rwick, PA 18603		Sheet	1	Of	5	
2. Plant	Address Susquehanna S	team Electric Station		Unit			ONE	
	769 Salem Blvd, Be	Name Prwick, PA 18603	· · ·				ched List	
3. Work Per	formed by PPL	Susquehanna, LLC.		Type Code		-	P.O. No., Job No., etc NOF	
<u> </u>	769 Salem Bivd, Be			Authorizati	on No.		N/A	
		٠.		Expiration	Date		N/A	
4. Identifica	ition of System	CONTROL ROD	DRIVE HY	DRAULIC	SYSTE	M 155E	B, CLASS II	
(b) Appl	icable Construction Code licable Edition of Section XI U ation of Components Repaired			thru W17 89 ents	<u> </u>	, .	*1567,1644-4 SEE SECTION	Code Case 9)
<u></u>								ASM

	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)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1283	N/A	HCU-4239	1975	REPLACED	YES
2)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8465	N/A	HCU-4239	2000	REPLACEMENT	YES
3)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1338	N/A	HCU-3451	1975	REPLACED	YES
4)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8354	N/A	HCU-3451	1999	REPLACEMENT	YES
5)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1447	N/A	HCU-0227	1975	REPLACED	YES
6)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8506	N/A	HCU-0227	2000	REPLACEMENT	YES
7)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1138	N/A	HCU-1839	1975	REPLACED	YES

7. Description of Work			SE	E ATTACHED LIS	<u> </u>	
8. Tests Conducted:	Hydrostatic D Other Pres	Pneumatic sure	Norpsi	ninal Operating Pressur Test Temp.	e 🗍 •F	SEE ATTACHED LIST

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 CODE DATA REPORTS ATTACHED. GE Accumulators: ASME VIII, (Year 1975) '94Ed '94Add Applicable Manufacturer's Data Reports to be attached

(Year 1999) '98 Ed '98 Add (Year 2000) '98 Ed '99 Add. Original Henry Vogt Valve Sec III (Year 1974) '71

W'72 Add, (Year 1975) '74 Ed No Add, Replacement Disc(s) Sec III '71 Ed W'71 Add. Original Dragon

Valve 1974 Edition Summer 1975 Addenda.

We certify that the statements made in the report are correct and th SME Code, Section XI. Type Code Symbol Stamp	repair or replacement
Type Code Symbol Stamp	N1/A
	N/A
Certificate of Authorization No. N/A Expira	ation Date
Signed	Date Man 31 . 2002
CERTIFICATION OF INSERV the undersigned, holding a valid commission issued by the National Board	
Province of <u>PENNSYLVANIA</u> and employed by <u>FAC</u> JOHNSTON, RHODE ISLAND this Owner's Report during the period <u>3-24-00</u>	<u> CTORY MUTUAL INSURANCE CO.</u> of <u> have inspected the components described S~28-02, and state that </u>
the best of my knowledge and belief, the Owner has performed examinations wher's Report in accordance with the requirements of the ASME Code, S By signing this certificate neither the Inspector nor his employer makes caminations and corrective measures described in this Owner's Report. The liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage or the liable in any manner for any personal injury or property damage.	ations and taken corrective measures described in this Section XI. s any warranty, expressed or implied, concerning the Furthermore, neither the Inspector nor his employer
spection. <u>Secton F. Tillon</u> Commissions inspector's Signature	
ate June 3 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 Susquehanna, LLC.	Date		05/13/	2002
	769 Salem Blvd, Berwick, PA 18603	Sheet	2	of	5
2. Plant	Susquehanna Steam Electric Station	Unit			E
	769 Salem Blvd, Berwick, PA 18603			ee Attache	
3. Work Per	formed by PPL Susquehanna, LLC.	Type Code	•	-	None
	769 Salem Blvd, Berwick, PA 18603	Authorizatio	on No.		N/A
		Expiration [Date		N/A
4. Indentific	cation of System CONTROL ROD DRIVE	HYDRAULIC S	SYSTE	M 155B, C	LASS II
(b) Appl	icable Construction Code III* 19 74 Edit licable Edition of Section XI Utilized for Repairs or Replacements 1 ation of Components Repaired or Replaced and Replacement Corr	19 89	/\0		57,1644-4 Code Case SECTION 9)
			· · · · · · · · · · · · · · · · · · ·		·····

	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)
8)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8129	N/A	HCU-1839	1999	REPLACEMENT	YES
9)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1923	N/A	HCU-2619	1975	REPLACED	YES
10)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8358	N/A	HCU-2619	1999	REPLACEMENT	YES
11)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1326	N/A	HCU-3811	1975	REPLACED	YES
12)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8130	N/A	HCU-3811	1999	REPLACEMENT	YES
13)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1377	N/A	HCU-4255	1975	REPLACED	YES
14)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8590	N/A	HCU-4255	2000	REPLACEMENT	YES
15)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1317	N/A	HCU-3411	1975	REPLACED	YES
16)	NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8546	N/A	HCU-3411	2000	REPLACEMENT	YES
17)	VALVE (STEM/DISC)	DRAGON	EM # 1702 (VALVE)	N/A	HCU-4631 VALVE # 147F101	1977	REPLACED	YES

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

2. Plant	Sus	lem Blvd, Berwic Address	k, PA 18603					
2. Plant		1.001.000			Sheet 3	Of	5	
			n Electric Static	on	Unit		ONE	<u></u>
	769 Sal	em Blvd, Berwic				See Att	ached List	
		Address			Repai	r Organizatio	n P.O. No., Job No., etc.	
3. Work Per	formed by _	PPL Sus	quehanna, LLC _{Name}	<u>.</u>	Type Code Symt	ool Stamp	None	
	769 Sal	lem Blvd, Berwic	k, PA 18603	<u></u>	Authorization No.		N/A	
		Address			Expiration Date	<u></u>	N/A	
4. Identifica	tion of System	n	CONTROL RO		DRAULIC SYS	TEM 155	5B, CLASS II	
	cable Constru		 * 19		· · · · · · · · · · · · · · · · · · ·	-	*1567,1644-4 Co	de Case
(b) Appl	icable Edition	of Section XI Utilized	for Repairs or Re	placements 19	89	* 1644-8 (* SEE SECTION 9)	
6. Identifica	tion of Compo	onents Repaired or R	eplaced and Repla	acement Compo	nents			
		r		r <u></u>		<u>г</u>		r
	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)
18) VALV (STE	E M/DISC)	DRAGON	HT # 46190	N/A	HCU-4631 (VALVE 147F101)	1983	REPLACEMENT	NO
19) VALV	E GATE	HENRY VOGT	985-181441	N/A	HCU-4219 (VALVE 147101)	1974	REPLACED	YES
20) VALV	E GATE	HENRY VOGT	TRACE CODE # WAS	N/A	HCU-4219 (VALVE 147101)	1996	REPLACEMENT	YES
21) VALV	E GATE	HENRY VOGT	836-181441	N/A	HCU-4611 (VALVE 147101)	1974	REPLACED	YES
22) VALV	E GATE	HENRY VOGT	TRACE CODE # WAY	N/A	HCU-4611 (VALVE 147101)	1996	REPLACEMENT	YES
23) VALV	E GATE	HENRY VOGT	855-181441	N/A	HCU-0243 (VALVE 147101)	1974	REPLACED	YES
24) VALV	E GATE	HENRY VOGT	659-214668 (REMOVED FROM VALVE)	N/A	HCU-0243 (VALVE 147101)	1977	REPLACEMENT	YES
25) VALV	E BONNET	HENRY VOGT	855-181441	N/A	HCU-0243 (VALVE 147101)	1974	REPLACED	YES
26) VALV	EBONNET	HENRY VOGT	659-214668 (REMOVED FROM VALVE)	N/A	HCU-0243 (VALVE 147101)	1977	REPLACEMENT	YES
27) VALV	E GATE	HENRY VOGT	485-181441	N/A	HCU-4239 (VALVE 147101)	1974	REPLACED	YES
28) VALV	E GATE	HENRY VOGT	TRACE CODE # WAY	N/A	HCU-4239 (VALVE 147101)	1996	REPLACEMENT	YES

REPLACEMENT

REPLACED

REPLACEMENT

1996

1974

1996

HCU-1419

(VALVE 147101)

HCU-1819

(VALVE 147101)

HCU-1819

(VALVE 147101)

YES

YES

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 Susquet			Date	0	5/13/2002	
	769 Sa	lem Blvd, Berwic	k, PA 18603	<u></u>	Sheet 4	of	5	
2. Plant	Sus	Address Squehanna Stear	n Electric Statio	on	Unit		ONE	
·	769 Sal	em Blvd, Berwid				See Att	ached List	
<u> </u>		Address			Repa	ir Organizatio	n P.O. No., Job No., etc.	
3. Work Per	formed by _	PPL Sus	quehanna, LLC	<u>. </u>	Type Code Symi	bol Stamp	None	
	769 Sa	lem Blvd, Berwic	k, PA 18603		Authorization No	·	N/A	
		Address			Expiration Date		N/A	
4. Indentific	cation of Syste	m	CONTROL RO	DD DRIVE H	YDRAULIC SYS	TEM 15	5B, CLASS II	
(b) App		uction Code of Section XI Utilized onents Repaired or R		placements 19	89	•	*1567,1644-4 Cc * SEE SECTION 9)	de Case
	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)
29) VALV	/E GATE	HENRY VOGT	248-181441	N/A	HCU-5439 (VALVE 147101)	1974	REPLACED	YES
30) VALV	/E GATE	HENRY VOGT	TRACE CODE # WAY	N/A	HCU-5439 (VALVE 147101)	1996	REPLACEMENT	YES
31) VALV	E GATE	HENRY VOGT	24-202390	N/A	HCU-1419 (VALVE 147101)	1975	REPLACED	YES

N/A

N/A

N/A

TRACE

CODE # WAY

899-181441

TRACE

CODE # WAS

HENRY VOGT

HENRY VOGT

HENRY VOGT

32) VALVE GATE

33) VALVE GATE

34) VALVE GATE

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

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1. Own	er	PPL Susquel		Date		05/13/	/2002
	769 Sa	lem Blvd, Berwid	sk, PA 18603	Sheet	5	Of	5
2. Plani	t Sus		m Electric Station	Unit		ON	IE
<u> </u>	769 Sal	em Blvd, Berwi	-				
		Address			Repair Orga	anization P.O.	No., Job No., etc.
3. Work	< Performed by _	PPL Sus	oquehanna, LLC.	Type Code	Symbol S	tamp	None
	769 Sa	lem Blvd, Berwic	k, PA 18603	Authorizati	on No	· — — — —	N/A
		, 100,000		Expiration	Date		N/A
4. Inde	entification of Syste	m	CONTROL ROD DRIVE	HYDRAULIC	SYSTEN	1 155B, C	CLASS II
5. (a)	Applicable Constru	uction Code	* 19 ⁷⁴ Editi	ion, thru W7	5 Add	enda, *15	57,1644-4 Code Case
(b)	Applicable Edition	of Section XI Utilize	d for Repairs or Replacements 1	9 89*	* 16	44-8 (* SEE	SECTION 9)
6. Ider	ntification of Compo	onents Repaired or F	Replaced and Replacement Com	ponents			
TEM(S	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF V	VORK			RIPTION OF ESTS
1-2	220241	00-155-002	HCU-4239, REPLACED N ACCUMULATO		NON-	T-2 LEAK	TEST PER MT-055-002
3-4	203030	00-155-006	HCU-3451, REPLACED N ACCUMULATO		NON-	T-2 LEAK	TEST PER MT-055-002
5-6	229501	00-155-008	HCU-0227, REPLACED N ACCUMULATO	IITROGEN	NON-	VT-2 LEAK	TEST PER MT-055-002
7-8	229503	00-155-009	HCU-1839, REPLACED N ACCUMULATO	ITROGEN	NON-	VT-2 LEAK	TEST PER MT-055-002
9-10	229504	00-155-010	HCU-2619, REPLACED N ACCUMULATO	ITROGEN	NON-	/T-2 LEAK	TEST PER MT-055-002
11-12	259805	00-155-013	HCU-3811, REPLACED N ACCUMULATO	ITROGEN	NON-	T-2 LEAK	TEST PER MT-055-002
13-14	292502	01-155-001	HCU-4255, REPLACED N ACCUMULATO	IITROGEN	NON-	T-2 LEAK	TEST PER MT-055-002
15-16	344435	01-155-002	HCU-3411, REPLACED N ACCUMULATO	ITROGEN	NON-	VT-2 LEAK	TEST PER MT-055-002
17-18	383157	02-155-001	HCU-4631, REPLACED ST VALVE 147F10	EM/DISC IN	NON-	VT-2 LEAK	TEST PER MT-055-002
19-20	282920	02-155-004	HCU-4219, REPLACED VALVE 147101	DISC IN	NON-	VT-2 LEAK	TEST PER MT-055-002
21-22	248235	02-155-005	HCU-4611, REPLACED VALVE 147101	DISC IN	NON-	VT-2 LEAK	TEST PER MT-055-002
23-26	248236	02-155-006	HCU-0243, REPLACED DISC / VALVE 147101	ND BONNET IN	NON	VT-2 LEAK	TEST PER MI-PS-008
27-28	346326	02-155-007	HCU-4239, REPLACED VALVE 147101	DISC IN	NON-	VT-2 LEAK	TEST PER MI-PS-008
29-30	350228	02-155-008	HCU-5439, REPLACED VALVE 147101	DISC IN	NON-	VT-2 LEAK	TEST PER MI-PS-008
31-32	307655	02-155-009	HCU-1419, REPLACED VALVE 147101	DISC IN	NON-	VT-2 LEAK	TEST PER MI-PS-008
33-34	307657	02-155-010	HCU-1819, REPLACED	DISC IN	NON-	VT-2 LEAK	TEST PER MI-PS-008

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

M	lanufactured a	nd certified		eneral Electric								<u></u>
ľ			39	01 Castle Hay	ne Road,	Wilmington		rolina 28 e and addres		churar)		
2. M	lanufactured fo	or						hanna lan		wick, Pennsylv	ania 18603	
			Not know				(Na	me and addre	ess of purcha	aser)		
3. L	ocation of Inst	allation	NOT KIL	WII				(Name an	d address)			
				8465		NI/A	11	2024050	001 Day	~ ´	NI/A	2000
4. T	ype	Vertica oriz or ver		8400 (Mfgr's serial)	No.)	N/A (CRN)		2D3405G (Drawii		<u> </u>	N/A (Nat'l. Bd. No.)	
			-		,	. ,		•	- /			. ,
			n to ASME Rules			1998	to		.ek and f 999	N/A		e design, construction, N/A
~	ng workmansn	ip contoin		,		Year		· · · · · · · · · · · · · · · · · · ·	la (Date)	Code Case		Special Service per UG-120 (d)
		51 CF8		0.750)"	0	.005"		7.02	8"		3 ft. 2.38 inches
6. SI		(Spec. No	., Grade)	Nom. Thk		-	Allow. (in.)		Diam, I.D.			ngth (overall) (ft. & in.)
	6 I							1	N/A			
7. Se			gl.,Lap,Butt)	R.T. (Spot or Full)	Eff (%)	H.T. Temp	(F) Tim			Dbl.,Sngl.,Lap,Butt)	R.T. (Spot.)	Partial or Full) No. of Courses
	-	C •	182-F304				(b) Ma	A2 14	182-F304	l		
8. H	eads: (a) Matl	<u> </u>	162-5304	(Spec. No. G	rade)		(0) Ma	MI. <u> </u>	102-1 504		pec. No. Grade)	
			Minimum	Согтозіол	Crown	Knuckle	Elliptical	Con		Hemispherical	Flat	Side to Pressure
	Location Bottom,		Minimum Thickness	Allowance	Radius	Radius	Ratio	Apex		Radius	Diameter	
(a)	Top		2.845"	0.005"	-	-	-			-	7.220"	Flathead
(b)	Botto		2.845"	0.005"	-	•	-	-		-	7.220"	Flathead
	lf remova	bie, bolts	used (describe oth	er fastenings)				(Ma	I Spec No	o., Gr., Size, No.	<u></u>	· · · · · · · · · · · · · · · · · · ·
								(1., opec. 14	., ., .,,	,	
9. M	AWP 2	100	psi at max. tem	p. <u>150°</u>	F. Min	design metal ter	np <u>35°</u>	Fat	2100	psi. Hydros	tatic test pressure	e <u>3500</u> psi.
10. 1	Nozzles, inspec	tion and sa	afety valve openin	igs:								
ſ		·		·····			··· ·		Reinfo	rcement		T
	ose (Inlet, det, Drain	No.	Drain or S			Matl.		Thickness	Mat	terial F	low Attached	Location
-	as Port	1	0.75"	Open	- - -	SA182-F30		N/A		/A	<u>N/A</u>	N/A ·
W	ater Port		0.97"	Open	ing	SA182-F30	4	N/A	N	/A	N/A	N/A
11. S	supports: Skirt		No Lu		L	egs		Other	Band C		Attached	around approx. middle
		(Ye:	s or No)	(No.)		(N	o.)		(Desci	ribe)		(Where and how)
12. F	lemarks: Man	ufactur e r's	Partial Data repo	rts properly identi	fied and sig	ned by Commis	sioned Inspec	tors have be	en furnished	d for the followin	g items of the re	port:
	<u></u>		01	part, item number	N/A	in a and identify						
	С	omplete	mechanical a				ing stamp)					
	Ā	lthough	a Differential	Pressure exis	ts on each	n side of the	Internal P	iston, the	Accumula	ator Cylinder	is	
	h	ydrostati	cally tested w	ith the Piston	removed.		<u> </u>		- <u></u> .			
	M	leets des	ign, construct	ion, and test r	equireme	nts of 1977 (edition, wi	nter 1979	addenda.		·	
[·			С	ERTIFI	CATE OF	SHOP O	COMPL	IANCE			
Wec	ertify that the s	tatements r	made in this report	are correct and ti	hat all detail	ls of design, ma		ction, and w	orkmanship	of this vessel co	nform to the AM	ASE Code
for Pr	essure Vessels	, Section V	'III, Division 1. "	U" Certificate of a	Authorizatio	л No. <u>10,5</u>	572		n	hexpirer —	June 10, 2	
	01/22/01		Co Nome	GE-NE			Signed	- XI	M/US	155		
Date	01/22/01			GE-NE (Manufacturer)				-24	< /1	(Representative)		
									<u>V</u>			
				C	ERTIF	ICATE O	F SHOP	INSPEC	TION			
Vesse	l constructed b	у	GE-NE	at Wilm.	ington, N	orth Carolir	ua 📃 📃					
1						nd December Ver			State or Dros		North Carol	ina
I, the	undersigned, h		lid commission is								lin a	
and en	nployed by	Depart	iment of Labor	have inspect	ied the com	ponent describe	d in this Man	ufacturer's I	Data Report	on	<u>//8</u> , <u>x</u>	occ , and state that, to
Touhe	best of my kn	owledge ar	nd belief, the Manu	ufacturer has cons	structed this	pressure vessel	in accordance	e with ASM	E, Section V	VIII, Division 1.	By signing this	certificate neither the
												either the Inspector nor his
		-										anier nie mapeelot nor nie
emplo	yer shall be lia	ble in any 1	manner for any per	rsonal injury or pi	roperty dam	age or loss of a	ny kind arisis	ng from or co	nnected with	th this inspection	i.	
Date	1/2:	3/01	_ Signed _	ken.	مد تم	u.		Ca	mmissions	N	C 1 231, Oh ie	o, WC 3686 PA
Date		1-1	- 7		(Authorize	ed Inspector)						ments), State, Prov. And No.)

	0: ????					FOR INFO	RMATIO	I UNL I			Expi	
			lternativ <mark>e</mark>	Form f	for Sing	gle Charr	nber, Co	mpletely Sh	FOR PRESSU op-Fabricated les, Section V	l Vessels (Only)	
1. M	anutactured and e							gy (GE-NE				
			<u>3901 Cas</u>	<u>stle Hay</u>	<u>vne Ro</u> t	ad, Wilmi (Na	n <u>gton, 1</u> me and addr	North Carolin	a 28401			
2. M	anutactured for	Susqu	ehanna 18	<u>}2 B</u>	erwick.	<u>Pennsyl</u>	vania 18	603 ress of purchaser }	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
3. La	ocation of installa	tion	not	<u>known</u>			(Name an	d address)		<u> </u>		
4. Ty	(Horiz, or ve	d lank)		4 serial No.)				1 <u>12D3405 G(</u> (Drev and of the ASME BO	001 Rev 03 ing No.) ILER AND PRESSUR	•	. Bd. No.) (7	99 eer built ; ructies,
	në chemicai anu p id workmanship ci							1998 Addenda (Dale)				
6. Bh		1 CF8 Spec. No., Gra	•	Nor	0.7 m. Thk. (in			0.005"	7.028 Diam. LD. (IL & In.)		3 ft. 2.38 ngth (overali) (R. & i	inche
	eade: (a) Matl.	04	., цар, Вый) – н 182-F304	LT. (Spol or No. Grade		л.(%) н.т.т		me(hr) Ginh (We	Aded, DbL, SngL, Lap, BL A 182-F 304 (Spec. No. Grade		artial, or Full } No. of	Courses
	Location (Top, Bottom, Ends)	Minimum	Corro		Crown Radius	Knuckie Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical [,] Radius	Flat Diameter	Side to Pressure (Convex or Conce	we)
· ·	Ton	2.485'	0.00)5 *		-				7.220*	Flathead	
(a) (b)	Remain	2.485"	0.00		•	-		-	-	7.220*	Flathead	
خنا	If removable, bo	its used (desc	ribe other fasts	enings} _				AL Spec No. Gr. S	ize. No. I			
1. M	AWP _ <u>2100</u>	pal at max. t	150 Lemp.		Ala. dealgn	ı metal tamp _e	•	all, Spec. No., Gr., S st <u>2100</u> psl.)	ize, No.) lydrostalic test press	ure <u>350(</u>	<u>)</u> pai.	
1. M	AWP <u>2100</u> lezzies, inspection Purpose (iniel,	pal at max. t	150 Lemp.			n metal tamp, Mati.	•	•••	•	How Attached	pai.	
1. M	AWP 2100 Iezzies, inspection Purpose (Iniel, Outlet, Drain) Gas Port	pai at max. t and safety va	iomp. <u>150</u> itre openinge: Drein)° F. м Туре Оре	• ening		 F304	at <u>2100</u> pai,) Nom.	tydrostalic test prese Reinforcement	How		
s. MJ 18. N	Awp 2100 lezzies, inspection Outer, Drain) Gas Port Water Port	No. No. 1 No. 1 No. Lug se or No)	temp. <u>150</u> tive epenings: Drain or Size 0.75" 0.97" ga (No.))° F. M Type Ope Ope Lega (No N/A	ening ening oring oring oth	Mati. SA 182- SA 182-1 er <u>Band</u> (De s signed by Co	35° F304 F304 Clamps Fiscility Fiscility	et <u>2100</u> pel. b Nom. Thickness <u>N/A</u> <u>N/A</u> Albehed <u>a</u> Inspectors have b	iydrostatic test press Reinforcement Material N/A	How Attached N/A N/A middle	Location N/A N/A	
s. MJ 18. N	Awp 2100 lezzies, inspection Purpose (iniet, Outlet, Drain) Gas Port Water Port upports: Skirt (Ye emarks : Manuted <u>Cor</u> <u>Alth</u> hyd	pol at mail 1 a and safety va 1 1 1 No is or No is or No	temp. <u>150</u> Drain or Size 0.75" 0.97" Data reports put (Name of part, echanical is bifferential ly tested w	P F. M Type Ope Ope Ope (No N/A Rem numb assemt Pressui vith the	ening ening on on on of of of with of y with re exist Piston	Matt. SA 182- SA 182- Data Island to alganed by Co name and Islan to no welder to on each removed	35° F304 F304 Clamps recribe) ommissioner ntifying stamp ed joints h side of	et <u>2100</u> pel. b Nom. Thickness N/A N/A Attached <u>8</u> Inspectors have b 1 the Internal	Hydrostatic test press Reinforcement Material N/A N/A round approx. (Where and how een furalshed for the Piston, the Ac	How Attached N/A N/A middle tolicwing items	Location N/A N/A	
s. MJ 18. N	Awp 2100 lezzies, inspection Purpose (iniet, Outlet, Drain) Gas Port Water Port upports: Skirt (Ye emarks : Manuted <u>Cor</u> <u>Alth</u> hyd	pol at mail 1 a and safety va 1 1 1 No is or No is or No	temp. <u>150</u> Drain or Size 0.75" 0.97" Data reports put (Name of part, echanical is bifferential ly tested w	P F. M Type Ope Ope Two Two Two Two Two Two Two Two Two Two	ening ning oth onutled and off, Migre. bly with re exist Piston not test	Matt. SA 182- SA 182- Co S signed by Co name and Iden no welds ts on each removed trequirem	35° F304 F304 Clamps Clamps Clamps Clamps F304 Clamps F304 F304 Clamps F304 F304 F304 F304 F304 F304 F304 F304	et <u>2100</u> pel. b Nom. Thickness N/A N/A Allached <u>8</u> Inspectors have b (1) (the Internal 1977 edition,	Addresselic test prese Reinforcement Material N/A N/A round approx. (Where and how een furnished for the Piston, the Ac winter 1979 a	How Attached N/A N/A middle tolicwing items	Location N/A N/A	
9. MJ 18. N 11. \$(Awp 2100 Internet States (Inited, Oralie) Gas Port Water Port upports: Skirt (Yd emarks : Manuted <u>Cor</u> <u>Alth</u> <u>hyd</u> We certify that the	pol at mail 1 a and safety va 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	temp. <u>150</u> Drein or Size 0.75 ^s 0.97 ^s Data reports pr (Name of part, <u>echanical</u> <i>ifferential</i> <i>ifferential</i> <i>ifferential</i> <i>ifferential</i> <i>ifferential</i> <i>ifferential</i> <i>ifferential</i> <i>ifferential</i>	F. M Type Ope Ope No N/A Lega Two N/A Lega N/A Lega N/A Lega N/A Lega N/A Lega N/A Lega (No N/A (No N/A Lega (No N/A Lega (No N/A (No N/A Lega (No N/A (No N/A) (No N/A) (No N/A (No N/A) (No N) (No N) (N	ening ening on the second set, Migra bity with tre exist Piston and test CERTII ect and that	Matt. SA 182- SA 182- SA 182- Control (Control Control (Control Control (Control Control (Control Control (Control Control (Control (Control Control (Control (Control (Control Control (Control	35° F304 F304 Clamps Clamps Clamps Clamps ommissioned f Clamps f f Clamps f	est <u>2100</u> peil. b Nom. Thickness N/A N/A N/A All Inspectors have b The Internal 1977 edition. P COMPLIAN terial, construction	Approximation for the Action of the Action o	How Attached N/A N/A middle foliowing items	Location N/A N/A ef the report : Cylinder is	
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8. MJ 10. N 11. 84 12. R 12. R	AWP 2100 Internet State	pai at mail 1 a and safety va No. 1 1 No' turer's Partial mplete me hough a D irostatical ets design statements ma ala, Section V 99 by holding a vall	Imp	F. Ma Type Ope Ope Ope No Toperly Ide N/A Rem numb assemt Pressul vith the ction, a "U" Certill Iden U" Certill Iden Of Are corre	ening ening on on on on on on on on on on	Matt. SA 182- SA 182- SA 182- Or Contemponent is aligned by Co Contemponent is aligned by Contemponent is a contempon	35° F304 F304 F304 Clamps F304 Clamps F304 Clamps F304 Clamps F304 Clamps F304	Allached <u>a</u> Nom. Thickness N/A N/A N/A Allached <u>a</u> Inspectors have b The Internal 1977 edition, PCOMPLIAN terial, construction expires <u>Ju</u> PINSPECTIO orth Carolina seel inspectors and d in this Manufacture	And the state of Provider Prov	How Attached N/A N/A Middle tollowing iteme cournulator ddenda.	Location N/A N/A ef the report : Cylinder is horm to the ASME C Carolina 7, 1979,	
8. MJ 18. N 11. 84 12. R 11. 84 12. R 11.	AWP 2100 International Away 200 International Aw	pai at mail 1 a and safety va 1 1 1 No. 1 1 No. 1 1 1 No. 1 1 1 1 1 1 1 1 1 1 1 1 1	Imp	F. Ma Type Ope Ope Verservite N/A Nor Nor N/A Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor	ening ening ening oright o	Mati. SA 182- SA 182- SA 182- Construction Seligned by Con- Construction Seligned by Con- Construction Seligned by Con- Construction Seligned by Con- Seligned	35° F304 F304 F304 Clamps F304 Clamps Precibe F304 Clamps Precibe ommissioner Clamps Precibe ommissioner Clamps Precibe ommissioner Precibe Precib	Anom. Thickness Nom. Thickness N/A N/A Attached & Inspectors have b The Internal 1977 edition. PCOMPLIAN terlal, construction expires _JU PINSPECTION Orth Carolina seel inspectors and a in this Manufacture concerning the pre-	Approventiable termi preserved Reinforcement Malerial N/A N/A N/A round approx. (Where and how even turnished for the Piston, the Ac winter 1979 a NCE and workmanship ine 10, 2002 Janed Jane	How Attached N/A N/A N/A Middle following items cournulator denda.	Location N/A N/A of the report : Cylinder is Cylinder is N/A of the report : Cylinder is Cylinder a substance norm to the ASME Cylinder Carolina 7 , 1929, Islen 1 . By signing acturer's Data Report	and this t.

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

											·	
1 M	anufactured a	and certified	by Ge	neral Electri	c Compa	ny Nuclear E	nergy (GE-	NE)				
				01 Castle Ha					401			
						8			s of manufa	cturer)		
Д . м	lanufactured i	for					•	anna l an d		wick, Pennsylva	nia 18603	
							(Nam	e and addre	ess of purch	aser)		
3. L	ocation of Ins	tallation	Not know	vn								
								(Name and	d address)	,		
				0500						~		
4. T		Vertica		8506		<u>N/A</u>			<u>001 Rev</u>		N/A	2000
	()	loriz or vert	tank)	(Mfgr's serial	No.)	(CRN)		(Drawin	ng No.)	(Nat'l. Bd. No.)	(Year built)
< 11	he chemical a	nd physical r	properties of all t	parts meet the req	uirements (of material specif	ication of the A	SME BOIL	ER AND P	PRESSIDE VESS	ELCODE The	design, construction,
				Section VIII, Di		1998			999	N/A		N/A
•	nd workmans	nip contorni	IO ASHIL Rules,	, Section 111, 131	*151011	Year	to		la (Date)	Code Case	Noc - C-	
						1 641		Audenu	ia (Daic)	Code Case	Nos	ecial Service per UG-120 (d)
6. Sł	sell SA3	51 CF8		0.750)"	0	.005"		7.02	8"	3	ft. 2.38 inches
0. 01		. (Spec. No.	, Grade)	Nom. Thk	. (in.)		Allow. (in.)		Diam. 1.D.			th (overall) (ft. & in.)
										. ,		,, (
7. Se	am Seam	less						ז	N/A			
	Long. (We	ided, Dbl., Sngi	"Lap, Butt)	R.T. (Spot or Full)	Eff (%) H.T. Temp	.(F) Time	hr) Gi	rth (Welded,I	Dbi.,Sngl.,Lap,Butt)	R.T. (Spot, Par	tial or Full) No. of Courses
			00 5204					~				
8. H	eads: (a) Mat	I. <u>SA</u> I	82-F304	(See. 31 - 2			(b) Matl	SA1	82-F304			
				(Spec. No. G	rade)					(Sp	ec. No. Grade)	
	Location	(Top]	Minimum	Corrosion	Crown	Knuckle	Elliptical	Coni	cal L	Hemispherical	Flat	Side to Pressure
	Bottom,		Thickness	Allowance	Radius		Ratio	Apex A		Radius	Diameter	(Convex or Concave)
	To		2.845"	0.005"	-	- readings	1400	The The		Radius	7.220"	
(a)			2.845"	0.005"				-				Flathead
(b)	Bott						-	·	L_,		7.220"	Flathead
	lf remov	able, bolts us	ed (describe oth	er fastenings)								
								(Mat	II., Spec. No	o., Gr., Size, No.)		
		2100		. 1 50°	E M-		np 35°	F	2100			2600
9. M	AWP		psi at max. temp		_ r. mur	design metal ter	np _33	Fat_	2100	- psi. Hydrosta	tic test pressure	psi.
10 N	lozzles inspe	ction and safe	ety valve opening	25:								
- 10. I	10 <u>2</u> 2203, 11.5pc		.,	-								
1	se (inlet,								Reinfor	rcement		
	st, Drain	No.	Drain or Si			Matl.		nickness			w Attached	Location
G	as Port	1	0.75"	Open	ing	SA182-F30		Ά	N/	/A	N/A	N/A
W	ater Port	1	0.97"	Open	ing	SA182-F30	4 N	Ά	N/	/A	N/A	N/A
11. S	upports: Skir		lo Lug		1	egs		Other _	Band C		iached <u>ar</u>	ound approx. middle
		(Yes	or No)	(No.)		(N	o.)		(Descr	ribe)		(Where and how)
12 R	emarks: Mar	ufacturer's P	artial Data repor	ts properly identi	fied and sig	zned by Commis	sioned Inspecto	rs have bee	n furnished	for the following	items of the repo	d:
12. 1					N/A							•••
			(Name of I	art, item number		ame and identify	ing stamp)					
	C	'omnlete π		sembly with			nig stamp)					
							Internal Pist	on the A	coumula	ator Cylinder i		
		udrostatio	ally tested wi	th the Piston	removed			on, ale z	iccumun		,	
								1070				
	N	ieets desig	gn, constructi	on, and test re	equireme	ans of 1977 e	cution, wint	er 19/98	addenda.			
				~	CDTIE		SUOD C	NADI T	ANOT			
						ICATE OF						
								on, and yo	orkmanship	of this vessel conf		
for Pre	essure Vessels	i, Section VII	I, Division 1. "U	J" Certificate of A	Authorizati	on No. <u>10,5</u>	12	(Ah	1_1	expires	June 10, 200	<u> </u>
								C IH	TTA			
Date	01/22/01		Co. Name	GE-NE			Signed (HA!^	V AN IA	141		
			-	(Manufacturer)				\sim	77	(Representative)		
				<i>с</i>	EDTIE			ICDEC				
						ICATE OI		SPEC.	non			
Vessel	constructed b	y	<u>GE-NE</u>	at <u>Wilm</u>	ngton, N	orth Carolin	a	_ •				
												1
L the u		aldina a valid	d commission iss	ued by the Natio	nal Board a	nd Pressure Ves	sel Inspectors a	nd/or the S	tate or Prov	vince of <u>N</u>	orth Caroline	2
,	indersigned, h	oruing a vanc			1.4	nonent december	in this Manuf	acturer's Da	ata Report o	on 12/	10 1	
			·	have inspect	ed the com), and state that, to
	indersigned, h iployed by		tent of Labor	have inspect	ed the com	ponent describer				•		, and state that, to
and em	ployed by	Departm	tent of Labor	_		-		with ASME	E, Section V	/III, Division 1. B	y signing this cer	
and em	ployed by	Departm	tent of Labor	_		-		with ASME	E, Section V	III, Division 1. B	y signing this cer	tificate neither the
and em	ployed by best of my kn	Departm	<i>hent of Labor</i> belief, the Manu	facturer has cons	tructed this	s pressure vessel	in accordance					
and em	nployed by best of my kn nor his emp	Departm owledge and ployer makes	belief, the Manu any warranty, ex	facturer has cons	tructed this ed, concerr	s pressure vessel	in accordance vessel describe	d in this M	lanufacture	r's Data Report. Fo		tificate neither the
and em	nployed by best of my kn nor his emp	Departm owledge and ployer makes	belief, the Manu any warranty, ex	facturer has cons	tructed this ed, concerr	s pressure vessel	in accordance vessel describe	d in this M	lanufacture	r's Data Report. Fo		tificate neither the
and em	nployed by best of my kn nor his emp	Departm owledge and ployer makes	belief, the Manu any warranty, ex anner for any pers	facturer has cons spressed or impli- sonal injury or pr	tructed this ed, concerr	s pressure vessel	in accordance vessel describe	d in this M from or con	lanufacture: anected with	r's Data Report. Fo	urthermore, neith	tificate neither the er the Inspector nor his
and em	nployed by best of my kn nor his emp	Departm owledge and ployer makes	belief, the Manu any warranty, ex anner for any pers	facturer has cons	tructed this ed, concerr operty dan	s pressure vessel	in accordance vessel describe	d in this M from or con	lanufacture	r's Data Report. Fo h this inspection. NC	urthermore, neith	tificate neither the

Assigned to: ????

	actured and cert	med by _G	eneral Electr	ic Compa	ny Nucle	ear Enerc	V (GE-NE)			
		_			Lineau		orth Carolina	20101		
, Manufi	actured for	Susqueha		<u>Berwick,</u>	Pennsylv	me and addre	iss of purchaser)			
I. Locatio	on of Installation		_not know	<u>n</u>	<u></u>	(Name and			N/	A 1999
i, Type	Vertical	INK]	8129 (Migr's serial N	0.]	N/A (CHNT		12D3405 G0	ng No.	•	Bd. No.) (Year b
5. The ch	emical and phy	alcal properties	ef all parts meet t	he requiremen	nts of material 1998	specification	ne of the ASME BOII 1998			The design, construction N/A
and wo			luies, Section VIII,		Year		Addenda (Dele) 0.005°	Code Case Nos 7.028		<u>3 ft, 2.38 inc</u> <u>3 ft, 2.38 inc</u> gth (overall) (11.1 in.)
8, Shell:	Mart. (Sc	ec. No., Giade		<u>0,7;</u> Nom. Thic (in.	1	Corr. Allow.	(m) 0	ham. LD. (R. & in.)		
7. Sea /m	:: <u>Se</u> Long. (Weide	aniess a.Dbl.,Sngl.,La	BURT HIT (Spo	For Full) En	L (%) H.T. TA	mp.(F) Ti	me(hr) Ginh (Wal	ded, DbL, Sngl., Lap, Bull A 182-F304) RT.(Spol.Pa	Initial, or Full) No. of Cour
s. Heads	: (a) Mati	SA18	2-F304 (Spec. No. Gri	ude)		(Þ)) Mali. <u> </u>	(Spec. No. Grade)		· · · · · · · · · · · · · · · · · · ·
ما	cation j Top,	Minimum	Corrosion	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Redius	Flat Diameter	Side to Pressure (Convex or Concave)
80	ntom, Ends)	Thickness 2.485°	0.005"				-	-	7.220"	Flathead
(•) /(op		0.005"				-	-	7.220"	Flathead
(b) B	ottom	2.485	0.005		L	<u></u>		<u> </u>		
	Gas Port	1	the second s	pening	SA182-		N/A N/A	<u> </u>		N/A N/A
V	Vater Port	1	0.97° C	pening	SA182-	F304				1
11. Supp		IO Luge	(No.) Lega	7861	- 70	Clamps		(Where and how	1	
12. Rem	arks : Menutact	urer's Partial D	ta reports propert	y identified an	d signed by C	omm issione	d inspectors have b	sen furnished for the	following Rema	et the report .
		•	Name of part, item i	number, Migra						
		plete med	chanical asso	embly with	<u>h no weld</u>	led joint side c	s f the Internal	Piston, the Ac	cumulator	Cylinder is
	<u>_Corr</u>		· tootod w//th	TOO PICTOI					and the second division of the second divisio	
	Alth				<u>st require</u>	ments of	1977 edition	<u>winter 1979 a</u>		
	Alth		constructio	n, and tes						
	Altho hydi Mee	ostatically ts design	constructio	CERT	IFICATE	OF SHC		NCE		- ARME PARTY
\ \	<u>Althe</u> hydi Mee	ostatically ts design,				of daeign, m	sterial, constructio	n, and workmanship	sî this vessel de	onform to the ASNE Cod
10	<u>Althe</u> <u>hydi</u> <u>Mee</u> e certify that the s	<u>ostatically</u> <u>ts design</u> katemente man ka, sectice VII	le in this report are I, Division 1 . V	CERT correct and th Certificate of A	IFICATE hat all details of Authorization I	of daeign, m	uteriai, constructio 2. expires <u> </u>	n, and workmanship UNC 10, 2002	·	
10	<u>Althe</u> hydi Mee	<u>ostatically</u> <u>ts design</u> katemente man ka, sectice VII		CERT correct and th Certificate of A		of daeign, m	uteriai, constructio 2. expires <u> </u>	n, and workmanship	·	
10	<u>Althe</u> <u>hydi</u> <u>Mee</u> e certify that the s	<u>ostatically</u> <u>ts design</u> katemente man ka, sectice VII	le in this report are I, Division 1 . V	CERT correct and th Certificate of A GE (Man	IFICATE hat all details of Authorization I <u>NE</u> Lifacturer) IFICATE	of deelgs, m No. <u>10,57</u>	expires _/	n, and workmanship UNO 10, 2002 Signed ION	·	
Da	<u>Althe</u> <u>hydi</u> <u>Mee</u> o certify that the s c Pressure Vesse ats <u>09/13/</u>	ostatically its design tatemente mad its, Bection VII 29	<u>construction</u> le in this report are I, Division 1 . Vr Ca. same	CERT correct and th Cartificate of A (Man CERT	IFICATE hat all details of Authorization I NE izlacturer) IFICATE Willow	of deelgs, m No. <u>10.57</u>	exerisi, constructio 2 expires // 	n, and workmanship UNC 10, 2002 Signed	Signett (Hypesentialm	th Carolina
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FOR INFORMATION ONLY

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	(A) A	Iternative	Form f	or Sin	gle Chan	nber, Co	mpletely Sh	FOR PRESSU top-Fabricated ules, Section V	Vessels	Only)
Manufactured and (certified by	General L	Electric		any Nuc	lear Enel	rav (GE-N	E)		
	-	3901083	<u>ане пау</u>	ne rioa	aci, vviimi (Ne	INGTON, I	North Carolin	<u>la 28401</u>		
Manufactured for	Susque	ehanna 18	<u>12 B</u>	erwi <u>ck</u>	Pennsyl	Vania 18	8603 · Iress of purchaser }			
Location of Installa	tien	not	<u>known</u>			(Name an	d address)			
Type <u>Vertica</u>	/ T. Tank)	<u>813</u>	0 serial No.]	_		•	112D3405 G	001 Rev 03	<u>N</u>	/A 1999 L. Bd. No.) (Yee/ built)
The chemical and p ad workmanship co		ties of all parts	meet the r		• •		one of the ASME BC 1998	DILER AND PRESSURE	VESSEL CODE	The design, construction,
Mari. (1 CF8 Spec. No., Grad	•		0.7	. <u>, </u>	Corr. Allow.		Code Case No 7.028" Diam. I.D. (II. & In.)		ecial Service per UG-120(d) <u>3 ft. 2.38 inches</u> ngth (overall) (tl. & in.)
Seams: Long. (We leads: (s) Matl.	Seamless Idea,Dol.,Sngl., SA1	Lap,Buil) R 82-F304	T. (Spoll or	हजर) हा	1 (%) 817.1				T) R.T.(Spol	artial, or Full) No. of Courses
		(Spec.	No. Grade)			(Þ) Mati. <u>S</u>	(Spec. No. Grade)	,	·····
Location (Top, Bottorn, Ends)	Minimum Thickness	Corros		adius	Knuckie Radius	Efliptical Ratio	Conical Apex Angle	Hemispherical Radius	Fial Diameter	Side to Pressure (Convex or Conceve)
Тор	2.485*	0.00	5*		•	-	· ·		7.220*	Flathead
Bottom	2.485*	0.00	5"	-	-	·	· -		7.220*	Flathead
	1		0					Material	Altached	
Gas Port Water Port	1	0.75* 0.97*	Oper Open	ing	SA 182-1 SA 182-F	-304	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Water Port	1 VO Luge VorNo) Wrer's Partial D Inplete med Dugh a Dif Ostatically	0.97" (No.) bata reports pro Name of part, # <u>Chanical a</u> <u>(ferential P</u> (tested wi	Open operty Ident N/A Iem number ssemble Pressure ith the F tion, an	ing Othe Hiled and Migrs.r y with e exists Piston i d test	SA 182-F Band (Bei algned by Con hame and Iden no welde s on each removed requirem	F304 Clamps scribe) minissioned adving stamp ad joints of side of ents of 1	N/A Attached <u>At</u> Inspectors have be the Internal I 977 edition,	N/A N/A round approx, I (Where and how) wen furnished for the fo Diston, the Acc winter 1979 ad	N/A N/A middle Howing Items (N/A
Water Port	1 No Luge Wrer's Partial D Diplete med Dugh a Dif Ostatically ts design.	0.97"	Open Pga (No. Pperty Ident N/A Isom number Ssembl Pressure ith the F tion, an C are correct	ing Othe Hilled and Migre. r V with e exists Piston i d test ERTIF	SA 182-F Band Band (Der Band by Cor hame and Iden no welde s on each removed requirem ICATE O all details of c	F304 Clamps scribe) minisalened Mying stamp ed joints in side of side of fents of 1 DF SHOP design, mate	N/AAttached <u>Att</u> Inspectors have be the Internal I 977 edition, COMPLIAN	N/A N/A round approx, I (Where and how) ten furnished for the to Piston, the Acc winter 1979 ad ICE and workmanship of	N/A N/A middle Howing Nems (cumulator (denda.	N/A of the report : Cylinder is
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Water Port	1 YO Luge or NO Luge word's Partial D 1 nplete mec 1 pugh a Dif 0 costatically 1 ts design. 1	0.97"	Open The The The The The The The The	ing Othe Stilled and Stilled and A Migra. r V with exists Ciston I d test Cartists ERTIF Band that Sta of Auti GE-N (Marrufac ERTIF	SA 182-F Band (Dei algned by Col hame and Iden <u>no welde</u> s on each requirem iCATE O all details of a herization Ne. <u>IE</u> Eturer) ICATE O <u>Wilming</u>	F304 Ciamps Scribe) menissioned Adving stamp od joints or side of ents of 1 ents of 1 F SHOP tesign, mate 10.572 F SHOP ton, Nor	N/A Attached <u>Al</u> Inspectors have be the Internal I 977 edition, COMPLIAN artal, construction, axpires <u>JUI</u> INSPECTIO th Carolina	N/A N/A round approx, I (Where and how) sen furnished for the fo Diston, the Acco winter 1979 ad ICE and workmanable of the 10, 2002 greed IN	N/A N/A middle	N/A of the report : Cylinder is form to the ASME Code
Water Port Water Port Imports: Skirt // (Ver Imports: Skirt // (Ver Imports: Skirt // (Ver Imports: Skirt // (Ver <i>Cont</i> <i>Altho</i> <i>hydr</i> <i>Altho</i> <i>hydr</i> <i>Mee</i> We certify that the st for Pressure Vesset Date <u>09/13/9</u> / / / / / / / / / / / / /	1 1 <td< td=""><td>0.97"</td><td>Open Pge TNo Presty Ident N/A Semble Semble Pressure ith the F flori, an C are correct Ci are correct Ci</td><td>ing Outro titled and titled and titled and titled and titled and exists Piston i exists Piston i exists Piston i exists Piston i text that the of Auth the of Auth</td><td>SA 182-F Band (Dei signed by Col hame and Iden <u>no welde</u> on each requirem iCATE O all details of a horization Ne. <u>IE</u> currer) ICATE O <u>Wilming</u> I Beard and Pi the compense is constructe atpressed es</td><td>F304 Clamps scribe) mmissioned adding stamp ed joints o side of ents of 1 ents of 1 F SHOP tesign, mate 10.572 F SHOP tton, Nor ressure vises at described ad this press r implied, or</td><td>N/A Attached Attached</td><td>N/A N/A <u>round approx</u>, <u>i</u> (Where and how) ten furnished for the for <u>Piston</u>, the Acc <u>Winter 1979 ad</u> ICE and workmanable of <u>ne 10, 2002</u> gned <u>USA</u> IN or the State or Province or the State or Province</td><td>N/A N/A N/A middle</td><td>N/A of the report : Cylinder is form to the ASME Code Carolina , 2292, and iden 1. By signing this shure's Data Report.</td></td<>	0.97"	Open Pge TNo Presty Ident N/A Semble Semble Pressure ith the F flori, an C are correct Ci are correct Ci	ing Outro titled and titled and titled and titled and titled and exists Piston i exists Piston i exists Piston i exists Piston i text that the of Auth the of Auth	SA 182-F Band (Dei signed by Col hame and Iden <u>no welde</u> on each requirem iCATE O all details of a horization Ne. <u>IE</u> currer) ICATE O <u>Wilming</u> I Beard and Pi the compense is constructe atpressed es	F304 Clamps scribe) mmissioned adding stamp ed joints o side of ents of 1 ents of 1 F SHOP tesign, mate 10.572 F SHOP tton, Nor ressure vises at described ad this press r implied, or	N/A Attached	N/A N/A <u>round approx</u> , <u>i</u> (Where and how) ten furnished for the for <u>Piston</u> , the Acc <u>Winter 1979 ad</u> ICE and workmanable of <u>ne 10, 2002</u> gned <u>USA</u> IN or the State or Province or the State or Province	N/A N/A N/A middle	N/A of the report : Cylinder is form to the ASME Code Carolina , 2292, and iden 1. By signing this shure's Data Report.

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FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

											······································
l Manufact	ured and certifi	ed by	General Electric	: Compar	ny Nuclear E	nergy (GE-	NĒ)				-
		_	3901 Castle Hay	vne Road	Wilmington	, North Card	olina 284	01			
								of manufacturer)		
Manufact	ured for						anna land		Pennsylva	nia 18603	
	-					(Name	e and addres	s of purchaser)			
3. Location	of Installation	Not kn	nown				(Name and	address)			
				/			(Name and				
4 Time	Verti	cal	8590		N/A	112	D3405G0	01 Rev 03		N/A	2000
4. Туре	(Horiz or ve		(Mfgr's senal	No.)	(CRN)		(Drawing	No.)	()	Nat'l. Bd. No.)	(Year built)
										-	
5. The chem	ical and physic	al properties of a	all parts meet the req	uirements o			SME BUILI 199		N/A	EL CODE. Ine	design, construction, N/A
And work	manship confo	m to ASME Ru	iles, Section VIII, Di	VISION I	1998 Year	10		(Date)	Code Case 1		pecial Service per UG-120 (d)
					1 640		//000//02	(2000)	COUL CASE	103. Dj	
6. Shell	SA351 CF8	3	0.750)"	0	.005"		7.028"			3 ft. 2.38 inches
	Mat'l. (Spec.)		Nom. Thk	. (in.)	Соп.	Allow. (in.)	1	Diam, I.D. (fl. &	in.)	Len	igth (overall) (ft. & in.)
	_										
	eamless			-	<u></u>	<u>(1)</u>		/A h (Welded,Dbl.,Sr		D 7 (6 D	artial or Full) No. of Courses
Lon	g. (Welded,Dbl.,S	ngi.,Lap,Butt)	R.T. (Spot or Full)	Eff (%) H.T. Temp	p. (F) Time (na) Cin	n (weided, D01., 31	igi.,Lap,Butt)	К.1. (Зрост	artial of Fully 190, of Courses
8. Heads: (a) Matl. SA	A182-F304				(b) Matl	SAL	82-F304			
o, ficaus, (a			(Spec. No. G	rade)	,				(Sp	ec. No. Grade)	
						FIL	T - C	<u></u>	onho-i1	CI. •	Side to Pressure
	ation (Top,	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conic Apex A		spherical adius	Flat Diameter	(Convex or Concave)
	tom, Ends)	2.845"	0.005"	-		- Auto	- Aprix A		•	7.220"	Flathead
(a)	Тор	2.845"	0.005"	<u> </u>					-	7.220"	Flathead
	Bottom					L	L			1.220	Jiaujead
lfr	emovable, bolt	i used (describe	other fastenings)				(Mati	., Spec. No., Gr.	Size No.)		
							(,,,		
9. MAWP	2100	psi at max. te	emp. 150°	F. Min	design metal te	mp 35°	Fat	2100 p	si. Hydrosta	tic test pressure	3500 psi.
				_	-	-					
10. Nozzles,	inspection and	safety valve ope	nings:								
Dose (In							r	Reinforceme	ent [
tlet, Dra				e	Matl.	Nom. T	hickness	Material		w Attached	Location
Gas Por	ri 1	0.7	5" Open	ing	SA182-F30	14 N.	/A	N/A		N/A	N/Á
Water Po	ort 1	0.9	7" Open	ing	SA182-F30	04 N.	/A	N/A		N/A	N/A
											ماليات محمد مرابع
 Supports: 			Lugs(No.)		~gs	io.)	Other	(Describe)	<u>- At</u>	ached a	round approx. middle (Where and how)
	•	es or No)	. ,		•						•
12. Remarks:	Manufacturer	s Partial Data re	ports properly identi	ified and sig	gned by Commis	ssioned Inspecto	rs have been	n furnished for t	he following	items of the rep	ort:
				<u>N/A</u>							
			of part, item numbe			ying stamp)					
	Complet	e mechanical	assembly with	no welde	d joints.	1.0			<u></u>	-	
			al Pressure exis			Internal Pist	on, the A	comutator	Cylinder I	S	
			with the Piston			- 1141	1070				
	Meets de	sign, constru	iction, and test r	equireme	ents of 1977	eamon, win	er 19/9 a				
r				FRTIE	ICATE OF	C SHOP C	OMPLI	ANCE			
N/a	• •he erer	made in this rer	port are correct and t						is vessel cont	form to the AMS	SE Code
			. "U" Certificate of						pires	June 10, 20	
Ior Pressure V	essers, section	VIII, DIVISION 1					TAHU	lon	<u> </u>		
D.1. 01/	22/01	Co. Name	GE-NE			Signed	THAU.	UN RIA	FI		
Date 017.		00.112.00	(Manufacturer)					(Rep	esentative)		
			· · · · ·					$\overline{}$			
					FICATE O	יי מכווס יי	VEDECT				
		00.VE					SFEC				
Vessel constru	cted by	GE-NE	atWilm	ington, I	Vorth Caroli	na	·				
		- الما مرجعة المالي	issued by the Natio	nal Based	and Brazerow Me	eeel Increasion	nd/or the S	ate or Province	of λ	orth Carolii	na
I, the undersign									<u>، ر</u> ست	or in Cur olu	
and employed	by Depa	rtment of Lal	bor have inspec	ted the con	ponent describe	ed in this Manuf	acturer's Da	ita Report on	2	<u>0</u> . 20	, and state that, to
								Castley MITT			
To the best of a	my knowledge a	and belief, the M	ianufacturer has con	structed this	s pressure vesse	i in accordance	with ASME	, section VIII, I	JIVISION I. E	y signing this c	ertificate neither the
T	is employee	kes any warrant	v. expressed or impl	ied. concer	ning the pressur	e vessel describ	ed in this M	anufacturer's D	ata Report. F	urthermore. nei	ther the Inspector nor his
employer shall	be liable in any	manner for any	personal injury or p	roperty dan	nage or loss of a	iny kind arising	from or con	nected with this	inspection.		
				£						1921 012	WC 2696 DA
Date	<u> </u>	Signed	June	<u>ہ ت</u> ج		· · · · · ·	Cor	nmissions			WC 3686 PA ents), State, Prov. And No.)
	/	(/	(Authoria	red inspector)			(i	INGLI, DOATO	(HICI, ENGORSCIN	cius, suic, rive. And No.J

(06/2000)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Ma	nufactured an	d certified		eneral Electric							
			39	01 Castle Hay	ne Road	Wilmington,					
							•	ind address of			
2. Ma	mufactured fo	۰				<u></u>		anna land2 and address o		nsylvania 18603	
		•• ••	Not know	MD.				and souress o	a purculaer)		
3. Lo	cation of Insta	ulation	INDU KIIO	WI1				(Name and ad	(ress)		
				L				()			
4. Ty	ne -	Vertica	ai	8546		N/A	112	D3405G001	Rev 03	N/A	2000
		riz or vert	t tank)	(Mfgr's senal)	No.)	(CRN)		(Drawing N	0.)	(Nat'l. Bd. No.)	(Year built)
					•					WERE CODE T	a
5. Th	e chemical an	d physical	properties of all	parts meet the requ	nrements o				AND PRESSURE	VESSEL CODE. The N/A	N/A
An	d workmanshi	ip conform	to ASME Rules	, Section VIII, Div	15100 1	1998 Year	to	1999 Addenda (E			pecial Service per UG-120 (d)
						I CAL		Anderica (L		Case 1103. 3	
6. Shi	III SA35	51 CF8		0.750	יין	0.	.005"		7.028"		3 ft. 2.38 inches
e , b		(Spec. No	., Grade)	Nom. Thk	. (in.)	Соп. /	Allow. (in.)	Dia	m. 1.D. (ft. & in.)	Le	ngth (overall) (ft. & in.)
	•	-									
7. Sea	m Seamle	ess			-			<u>N/A</u>	-		
	Long (Web	ed, Dbl., Sng	Lap,Butt)	R.T. (Spot or Full)	EIT (W) H.T. Temp	(F) Time (hr) Gwrih(Welded, Dol., Sngl., La	p,Buta) R.T. (Spot,I	Partial or Full) No. of Courses
• U.	adas (a) bilati	54	182-F304				(b) Mati	SA182	-F304		
6. NÇ	ads: (a) Matl.			(Spec. No. G	rade)					(Spec. No. Grade)	
				· ·	-						
	Location		Minimum	Corrosion	Crown		Elliptical	Conical			Side to Pressure
	Bottom, I		Thickness	Allowance	Radius		Ratio	Apex Ang		5 Diameter 7.220"	(Convex or Concave) Flathead
(8)	Тор		2.845"	0.005"		·	-	<u> </u>	·		
(6)	Botto		2.845"	0.005"	L	· ·	•	· ·	<u> </u>	7.220"	Flathead
	If removal	ble, bolts u	used (describe of	her fastenings)			,	01.1	No. Co. Co.	Nto)	·
								(Matt., 2	Spec. No., Gr., Size	:, 140.)	
0.14	.u. 2	100	osi at max. tem	np. 150°	F Mir	design metal ter	np 35°	Fat 2	100 msi.Н	ydrostatic test pressure	: 3500 psi.
9. MA	wr <u>-</u>		par at max. tem	····		, occupa pressa rec		_ `	p	/	
10. N	ozzles, inspec	tion and sa	ufety valve openin	ngs:							
			<u> </u>	<u> </u>					Reinforcement	·····	·····
	ose (Inlet, let, Drain	· No.	Drain or S	ize Typ	e	Mati,	Nom T	hickness	Material	How Attached	Location
	as Port	1	0.75"		the second se	SA182-F30		/A	N/A	N/A	N/A
	ter Port		0.97"		· · · · ·	SA182-F30		/A	N/A	N/A	N/A
			- <u> </u>							<u></u>	d
11. Su	pports: Skirt	1	No _ ц	igs	1	Legs		Other B	and Clamps	Attached	around approx. middle
		(Yes	s or No)	(No.))	N)(N	lo.)		(Describe)		(Where and how)
17 P.	marke: Man	rfacturer's	Partial Data reno	orts property ident	ified and si	med by Commis	sioned Inspecto	rs have been f	urnished for the fo	llowing items of the re	port:
12. 60					N/A					-	•
	. —		(Name of	part, item numbe		ame and identify	ing stamp)				
	C	omplete		ssembly with			•				
	Ā	Ithough	a Differentia	Pressure exis	ts on cat	h side of the	Internal Pis	ton, the Act	umulator Cyli	nder is	· ·
	hy	drostati	cally tested w	vith the Piston	remove	d					
	M	eets des	ign, construc	tion, and test i	equirem	ents of 1977	edition, win	ter 1979 ad	denda.		
					ERTIF	ICATE OF	SHOP C	OMPLIA	NCE		
We cer	nify that the st	latements r	made in this repo	rt are correct and	that all deu	uls of design, ma	terial, construct	tion, and work		isel conform to the Ah	ASE Code
for Pre	ssure Vessels,	Section V	TII, Division 1.	"U" Certificate of	Authorizat	tion No. 10,	572	(An)	expires	June 10, 2	002
								C/H	Unt		
Date	01/22/01		Co. Name	GE-NE			Signed	XXV	1141		
				(Manufacturer)					Represen	tative)	
									J		
					CERTI	FICATE O	F SHOP I	NSPECT	ION		
			GE-NE			North Caroli					
vessel	constructed by	·	52.12				·····	<u> </u>			
Liben	ndersigned by	olding a va	lid commission i	ssued by the Nati-	onal Board	and Pressure Ve	ssel Inspectors	and/or the Stat	e or Province of	+ North Carol	ina
						mponent describe				11/27 . 2	000, and state that, to
and em	ployed by	Depar	iment of Labo	nave inspe		mponent desente	eo in this Manu		Report on		
7-14	had of !	oudertes	nd belief the Ma	nufacturer has con	structed th		l in accordance	with ASME	Section VIII Divis	ion 1. By signing this	certificate neither the
	-	-									
Inspect	or nor his emp	oloyer mak	es any warranty,	expressed or imp	lied, conce	ming the pressur	e vessel descril	ed in this Man	ufacturer's Data R	eport. Furthermore, ne	rither the Inspector nor his
	-	-									
employ	er shall be lia	ble in any i	manner for any p	ersonal injury or	property da	mage or loss of a	my kind arising	Trom or conne	ected with this insp	ection.	
	1/27	1.1	Signad	1	بر سمجر			Come	nissions	NC 1231. Ohio	o, WC 3686 PA
Date		101_	- Signed	more	(Anthre	ized Inspector					ments), State, Prov. And No.)
L_(06/2000											

FORM N= 2 MANUFACTURERS DATA REP	PORT FOR NUCLEAR PAR	I AND APPU	RTENANCES*
As required by the Pro	ovisions of the ASME Code	Rules	6/1/96 f.R. /
(a) Manufactured by Henry Vogt Machine Co	., Louisville, KY		
. (N	ame and address of Manufacturer	of part)	
(b) Manufactured for <u>General Electric</u> , San	1 JOBE, CA Ireas of Manufacturer of completed		
Identification-Manufacturer's Serial No. of Part _PN 1	•	-	rat) = -
identification-mandatacturer 5 Senat No. of Part	Naci	Dd. No	
(a) Constructed According to Drawing No. E40508,	R16 Drawing Prepared by.	Henry Vo	gt Machine Co
(b) Description of Part Inspected Replacement		.584	74 77410
(b) Description of Part inspected	Refe - meterial cone	646	6/4/46 March
(c) Applicable ASM E Code: Section III, Edition 1971	, Addenda dare, C	ase No.	Class1
Remarks: For use in 1" gate valve, dr	awing B-46033		
	of service for which component we		
· · · · · · · · · · · · · · · · · · ·			
<u>Order 217236 - 11 pieces</u>	~		
nufacturer is responsible for furnishing a separate Denig	are not the responsibility of an Specification and Stress Re	port if the appi	WERRARE IT NOT INC
nufacturer is responsible for furnishing a separate Dewig the component Design Specification and Screas Report.)	in Specification and Stress Ro	port if the appi	stenance is not incl
nufacturer is responsible for furnishing a separate Design the component Design Specification and Screas Report.) te	gt Machine Co. By	pure if the appu	Shows
nufacturer is responsible for furnishing a separate Design the component Design Specification and Screas Report.) te	gt Machine Co. By	pure if the appu	Shows
nufacturer is responsible for furnishing a separate Dexig the component Design Specification and Screan Report.) te5/201996_SignedHenry Vo (Men rtificate of Authorization Expires1/6/99	gt Machine Co. By Mulacturers Co. By Construction	port if the appr Notice on No.	N-948
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nufacturer is responsible for furnishing a separate Design the component Design Specification and Stress Report.) te 5/20 19 96 Signed Henry Vo (Mentificate of Authorization Expires 1/6/99 reificate of Authorization Expires 1/6/99 CERTIFICATION OF DESIGN FO Design information on file at	pgt Machine Co. By Machine Co. By Machine Co. Corrilisate of Aud OR APPURTENANCE (who Prof. En Prof. En Prof. Fa OF SHOP INSPECTION by the National Board of Boil and employed by <u>COMMETC</u> : ave inspected the part of a <u>19_96</u> , and state accordance with the ASME Coo his employer makes any warrance at a Report. Furthermore, nei	port if the appr <u>Blacks</u> Notication No. -a applicable) 	Reg. No Reg. No Reg. No Reg. No I described in this est of my knowledge or implied, concern- tion on his estimation
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(185) JUN 0 5 1996

FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTEN ANCES*

As required by the Provisions of the ASME Code Rules

		(Name and address of	Manufacturer of pasers)
	(b) Manufactured for <u>General Elect</u>	ILC SAIL JUSE	r of completed nucle of composed
z.	Identification-Manufacturer's Serial No. of Part_	PN 11563A	Nar'l Bd. No
	(a) Constructed According to Drawing No. E40	508, R16 Drawing	Prepared by Henry Vogt Machine
	Ronlace	ment dates - 1	Material Code WAY (SA479T410)
	(c) Applicable ASME Code: Section III, Edition	1971, Addendadare_	W'71 Case No Class 1
3.	Remarks: Replacement par (Brist Beacr	ts	
	- (Beyet Beacr	ipilon of service for which	(component was de segned)
		G.E.P.O	#
		G.e. r.o	45886
	Order 217328 - 5 pieces		
D1	re <u>10/30</u> 19 <u>96</u> Signed Henr rtificate of Authorization Expires <u>1/6/99</u>	y Vogt Mach. ((Menutecturer) Certi	icaru of Auchurizzacium Nu. N-947
	CERTIFICATION OF DES	IGN FOR APPERTEN	ANCE (when a consticable)
	CERTIFICATION OF DES Design information on file at		••
	Design information on file as		
	Design information un file at		
	Design information on file at Screas analysis report on file at Design specifications certified by		Prof. Eng. Sca ce Reg. No
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	Design information un file at	CATE OF SHOP INSP issued by the National and employed by have in spected ch have in spected ch	Prof. Eng. Scate Reg. No Prof. Eng. Scate Reg. No PECTION Board of Boiler arad Pressure Vessel Inspectors <u>Commercial Union Ins. Co</u> te part of a pressure vessel described in this b) and state that to the best of my knowledge the ASME Code Secretor III.
	Design information un file at	CATE OF SHOP INSP issued by the National and employed by have inspected th ter 19	Prof. Eng. Scate Reg. No Prof. Eng. Scate Reg. No Pection Board of Boiler are d Pressure Vessel Inspectors <u>Commercial Union InsCo</u> te part of a pressure vessel described in this 26, and state that to the best of my knowledge the ASME Code Section III. es any warranty, corpressed or implied, concern- thermore naither a her Inspector not his employer
	Design information on file at	CATE OF SHOP INSP issued by the National and employed by have inspected th ter 19	Prof. Eng. Scate Reg. No Prof. Eng. Scate Reg. No Pection Board of Boiler arad Pressure Vessel Inspectors <u>Commercial Union Ins. Co</u> te part of a pressaire vessel described in this 26, and state that to the best of my knowledge the ASME Code Section III. es any warranty, expressed or implied, concern- thermore naither a his Inspector nor his employer
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OCT 3 1 19 96 GE 795

FORM NPV-1	MANUFACTURERS'	DATA REPORT	FUH NULLEAN		1	663
(▲	Required by the Pro	visions of the A	SME Code, Scet			
nufactured by H	mary Vogt Ma	chine Co	Louisvil			
	Name and Addres of the	ric Co., W	ilaington,	X.C.		
nutactured for	(Name and Address of P	Virchaser or Owner)		<u> </u>		
ation of Installation	(Name and Address)	Nominal 1	olat Size 1°		on size 1"	
np or Valve		(c) Canadian	(in	ich)		
(a) Model No.	(b) Manufacturers' Serial	Registration	(d) Drawing		(T) Nat'L	(g) Yeer
Series No. or Type	No.	/ No.	No.	(el Class	B.d. No.	Buik
	548-214660		B-46033	1		1977
Gate	thru					
	672-214660					· · · · · · · · · · · · · · · · · · ·
(3	Attached)					
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0)						
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	. Control Nocu					
Bydraulic eargn Conditions	2000 pei	150 (Temperature)	vich equipment was d			(1)
eargn Conditions old Working Pressur ressure Retaining Ph	2000 pei 7080 pei	150	1.	Pressure Clas	Aem	
eargn Conditions	2000 pei 7080 pei	150 (Temperature) at 100°F.	F or Valve F	Pressure Clas		
eaign Conditions old Working Pressur ressure Retaining Ph	2000 pei 7080 pei	150 (Temperature) at 100°F.	F or Valve F	Pressure Clas		
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* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-12 x 12 (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numberd arend number of sheets is recorded at top of this form.

(1/76)

York, N.Y. 10017 This form (£00037) may be obtained from the Order Dept., ASME, 345 E. 47%, M

Mark No.	Material Spec. No.	Manufacturar	Remarks
Boiting			
(Cap Screws)	SA 193-D7	Texas Bolt	
Fr /			
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(d) Other Parts		•	
(Gates)	SA 479 T-410	Voct	
	(Chemistry Only)	J VULL	+
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		t····	
		<u>+</u>	+
drostatic test 3000			
Henry Vort	U N 7	onents. Section W. Div. L E Date AUXTUS V. <u>LV1A (774A)</u>	2/6/78
	Machine Co.	V. 1201 AUTU	augur
Henry Vort	Nachine Co. provide to us	Date AULTUS y //д с. //с se the Symb IN) (NFV)	2/6/78
Henry Vort	Machine Co. Dr. 24100 No. 947 CERTIFICATION OF	Date AUTUS	2/6/78
Henry Vort (Manufacturer) ASME Certificate of Authority ingn information on file at	Nachine Co. 2ation No. 947 CERTIFICATION OF Henry Vo.	Date AULTUS y //д с. //с se the Symb IN) (NFV)	2/6/78
Henry Vort (Manufecturer) ASME Certificate of Authorities ingn information on file at ass analysis report (Class 1 of	Nachine Co. 2ation No. 947 CERTIFICATION OF Henry Voi nly) on his at Henry Voi Vernon B	Design The Machine Co.	2/6/78
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Henry Vort (Manufacturer) ASME Certificate of Authori ass analysis report (Clase 1 or ingn specifications certified on State State E unders-gned, brilding a va the Size From a of the Size 10; Augrugt 10; Iteri this pump, or valve in a ingning this certificate, righted	Machine Co. pation No. Pation No. CERTIFICATION OF Henry Vol Henry Henry Vol Henry	Date AUXTUS y	Diglar of expires <u>1/6/78</u> Dawn Equil Value has of the second The Manulacturer has con- d or implied, concerning
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159C-II

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

1. Ov	wner	PPL Susque			Date	0	5/29/2002	
	769 Sa	lem Blvd, Berwic	-	<u>,.</u>	Sheet	of	1	
2. Pla	ant Sus	squehanna Stear		on	Unit		ONE	
	769 Sal	em Blvd, Berwig Address	k, PA 18603				7 CRF # 02-159- m P.O. No., Job No., etc.	001
3. W	ork Performed by _	PPL Sus	quehanna, LL(C	Type Code Sy	mbol	None	
	769 Sa	lem Blvd, Berwic	k, PA 18603		Authorization	No	N/A	
		Address			Expiration Dat	e	N/A	
4. In	identification of Syste	em	CONTAI	NMENT VAC	UUM RELIEF	, 159C, C	LASS II	
(a) Applicable Constructs (b) Applicable Edition dentification of Compo	of Section XI Utilize	d for Repairs or Re		89	_ Addenda, _ (* Se	e Remarks Section)	ode Case
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)

1) VALVE (BOLT)	ANDERSON GREENWOOD	VB141	N/A	PSV15704B1	1976	REPLACED	YES
2) VALVE (BOLT)	PPL	N/A	N/A	PSV15704B1	2002	REPLACEMENT	NO

7. Description of Work	REPLACED DAMAGED BOLT
8. Tests Conducted:	ydrostatic Pneumatic Nominal Operating Pressure (NON VT-2 PER MI-PS-008) Other Pressure psi Test °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.

FORM NIS-2 (Back)

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9. Remarks THIS VALVE WAS NOT REPORTED IN ORIGINAL N-5 DATA.

Applicable Manufacturer's Data Reports to be attached

VALVE ORIGINAL DESIGN PER ASME III 1971 EDITION WITH SUMMER '73 ADD.

OERTIN	ICATION OF COMPLIANCE
We certify that the statements made in the report ASME Code, Section XI.	t are correct and this REPLACEMENT conforms to the rules of the repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization NoN/A	Expiration N/A Date N/A
Signed	diffications Group
or Province of <u>PENNSYLVANIA</u> and emploin JOHNSTON, RHODE ISLAND in this Owner's Report during the period <u>3-/6</u> to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor his examinations and corrective measures described in this	by the National Board of Boiler and Pressure Vessel Inspectors and the State by <u>FACTORY MUTUAL INSURANCE CO.</u> of have inspected the components described to <u>4-16-02</u> , and state that performed examinations and taken corrective measures described in this the ASME Code, Section XI. is employer makes any warranty, expressed or implied, concerning the cowner's Report. Furthermore, neither the Inspector nor his employer broperty damage or a loss of any kind arising from or connected with this <u>NB 7980 A, N, T, B, NS PAELO (</u>

159A-MC

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		05	/24/2002	
	769 Sa	lem Blvd, Berwie	ck, PA 18603		Sheet _	1	of	1	
2. Plant	Sus	quehanna Stea		on	Unit			ONE	
	769 Sal	em Blvd, Berwi	-		PC			CRF # 02-159- P.O. No., Job No., etc.	001
3. Work Per	formed by _	PPL Su	squehanna, LL(<u> </u>	Type Code	e Symbol	-	None	
	769 Sa	lem Blvd, Berwie Address		. <u></u>	Authorizat	ion No.		N/A	
		Address			Expiration	Date		N/A	
4. Indentifi	cation of Syste	em	CONTAINM	IENT PRESS	URE VESS	SEL, 159	A, CL	ASS MC.	
	licable Constru licable Edition	uction Code AS	ME Sec III 19 ed for Repairs or Re				denda, 2 ADD. (1		ode Case
6. Identifica	ation of Compo	onents Repaired or	Replaced and Repl	acement Compo	nents				
Na	me of	Name of	Manufacturer	National Board	Other		Year	Repaired, Replaced, or	ASME Code Stampe

Component	Manufacturer	Serial No.	No.	Identification	Built	Replacement	d (Yes or No)
1) CRD HATCH (NUT)	CB&I	N/A	N/A	X-006	1975	REPLACED	NO
2) CRD HATCH (NUT)	PP&L	N/A	N/A	X-006	2002	REPLACEMENT	NO

•

7. Description of Work	REPLACED MISSING NUT
8. Tests Conducted:	Other Pressure psi Test •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.

FORM NIS-2 (Back)

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9. Remarks PENETRATIONS ORIGINAL DESIGN PER ASME III NE 1971 WITH SUMMER '72 ADD. Applicable Manufacturer's Data Reports to be attached

And Contractory of

CC: 1493,1522,1567,1571. TESTING: NON VT-2 PER MI-PS-008. LLRT PER SE-159-001. VT-1 OF NEW

REPLACEMENT NUT.

c	ERTIFICATION OF COMPLIANCE	
We certify that the statements made in t ASME Code, Section XI.	he report are correct and this REPLACEME repair or replacen	
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A Expiration Date	N/A
Signed Owner or Owner's Designed Sup	Date Jun Z	,2002
CERTI	FICATION OF INSERVICE INSPECTI	ON
JOHNSTON. RHODE ISLAND in this Owner's Report during the period to the best of my knowledge and belief, the Ov Owner's Report in accordance with the require	Ind employed by <u>FACTORY MUTUAL II</u> have instance in the second s	NSURANCE CO. of spected the components described O - O - O - O - O - O - O - O - O - O -
Date JUNE 28 2002		

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

1. Ow	ner	PPL Susque	ehanna, LLC		Date	0	5/14/2002	
	769 Sal	em Blvd, Berwi			Sheet	I 01	8	
2. Piai	nt Sus	quehanna Stea	m Electric Static	on	Unit		ONE	
	769 Sal	em Blvd, Berwi				See At	tached List	
	103 54	Address	ICK, I A 10003		Rep		n P.O. No., Job No., etc.	
3. Wo	rk Performed by _	PPL Su	squehanna, LLC	2	Type Code Sym	ibol Stamp	None	
	769 Sal	em Blvd, Berwi	ck, PA 18603		Authorization N	o	N/A	
		AU0/635			Expiration Date		N/A	
4. lde	entification of System	י	REACTOR	WATER CLE	AN-UP SYSTE	M <u>161A,</u>	CLASS III	
•) Applicable Constru) Applicable Edition	•	·	71 Edition placements 19	·	Addenda, CC N-416-	Co 1 (* SEE ATTACHE	de Case ED LIST)
•	entification of Compo	ments Repaired or I	Replaced and Repla	acement Compo	nents			
•	Name of Component	Name of Manufacturer	Replaced and Repla Manufacturer Serial No.	Acement Compo National Board No.	nents Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6. Ide	Name of	Name of	Manufacturer	National Board	Other		Replaced or	Code Stamped (Yes or
6. lde	Name of Component	Name of Manufacturer HILLS	Manufacturer Serial No.	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
6. lde	Name of Component VALVE	Name of Manufacturer HILLS MCCANNA	Manufacturer Serial No. 106-773	National Board No. N/A	Other Identification 145042B	Built N/A	Replaced, or Replacement REPLACED	Code Stamped (Yes or No) YES
6. lde	Name of Component VALVE VALVE	Name of Manufacturer HILLS MCCANNA BNL HILLS	Manufacturer Serial No. 106-773 A000503-1-2	National Board No. N/A N/A	Other Identification 145042B 145042B	Built N/A 2000	Replaced, or Replacement REPLACED REPLACEMENT	Code Stamped (Yes or No) YES YES
6. lde	Name of Component VALVE VALVE VALVE	Name of Manufacturer HILLS MCCANNA BNL HILLS MCCANNA	Manufacturer Serial No. 106-773 A000503-1-2 101-773	National Board No. N/A N/A N/A	Other Identification 145042B 145042B 145043B	Built N/A 2000 N/A	Replaced, or Replacement REPLACED REPLACEMENT REPLACED	Code Stamped (Yes or No) YES YES
6. lde 1) 2) 3) 4) 5)	Name of Component VALVE VALVE VALVE VALVE VALVE SMALL PIPE	Name of Manufacturer HILLS MCCANNA BNL HILLS MCCANNA BNL	Manufacturer Serial No. 106-773 A000503-1-2 101-773 A000503-1-1	National Board No. N/A N/A N/A	Other Identification 145042B 145042B 145043B 145043B	Built N/A 2000 N/A 2000	Replaced, or Replacement REPLACED REPLACEMENT REPLACED REPLACEMENT	Code Stamped (Yes or No) YES YES YES

8. Tests Conducted:	Hydrostatic Pneumatic		Nominal Operating Pressure			SEE ATTACHED LIST
	Other	Pressure		psi Test Temp.	۰F	

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)

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CODE DATA REPORT(S) ATTACHED.
Applicable Manufacturer's Data Reports to be attached
-

CERTIFICATION	OF COM	PLIANCE	
We certify that the statements made in the report are correct	and this	REPAIR &	conforms to the rules of the
ASME Code, Section XI.	-	REPLACEMENT repair or replacement	
Type Code Symbol Stamp		N/A	
Certificate of Authorization No. N/A	Expiration Date	l	N/A
Signed	Date	man 31	, 2002
	SERVICE	E INSPECTION	
I, the undersigned, holding a valid commission issued by the National or Province of <u>PENNSYLVANIA</u> and employed by <u>JOHNSTON. RHODE ISLAND</u> in this Owner's Report during the period <u>5 - 3 - 00</u> to the best of my knowledge and belief, the Owner has performed ex Owner's Report in accordance with the requirements of the ASME C By signing this certificate neither the Inspector nor his employer ne examinations and corrective measures described in this Owner's Re shall be liable in any manner for any personal injury or property dam inspection.	FACTOR kaminations code, Section nakes any v port. Furth lage or a los sions NR	Y MUTUAL INSUF have inspect to 1-2 and taken correction on XI. warranty, expressed hermore, neither the ss of any kind arisin	BANCE CO. of ed the components described 4' - 02, and state that we measures described in this d or implied, concerning the e Inspector nor his employer ig from or connected with this V/I/B/VS $Pa236/$

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

16) VALVE

17) VALVE

(BALL)

(BALL)

18) SMALL PIPE

BOLTING

1. Owner		PPL Susque			Date	05	5/14/2002	
	769 Sale	em Blvd, Berwid			Sheet	2 of		
2. Plant	Suso	Address quehanna Stear	m Electric Static	on	Unit		ONE	
		Name Name Name	e			See Att	ached List	
	109 0410	Address	CK, I A 10000		Re	pair Organization	P.O. No., Job No., etc.	
3. Work Per	rformed by	PPL Sus	squehanna, LLC	<u> </u>	Type Code Syr	nbol Stamp	None	
	769 Sal	em Blvd, Berwid			Authorization N	lo.	N/A	
		Address			Expiration Date		N/A	
4. Indentifi	cation of Syster	n	REACTOR	WATER CLE	EAN-UP SYSTE	EM 161A,	CLASS III	
5. (a) App	licable Construe	÷			a, <u>thru</u> W'72 89	Addenda,	Co 1 (* SEE ATTACHI	de Case
6. Identifica	ation of Compo	nents Repaired or F	Replaced and Repla	acement Compo	nents			r
	ime 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)
/	LL PIPE -ASSEMBLY	PP&L	N/A	N/A	SPHBC102-2	2000	REPLACEMENT	NO
	LL PIPE PORT	BECHTEL	N/A	N/A	SPEBC103-H201	3 1982	REPLACED	YES
10) SMA SUP	LL PIPE PORT	PP&L	N/A	N/A	SPEBC103-H201	3 2000	REPLACEMENT	NO
11) VAL	VE	BNL	A960201-1-2	N/A	145029A	1996	REPLACED	YES
12) VAL	VE	BNL	A000308-1-1	N/A	145029A	2000	REPLACEMENT	YES
13) VAL	VE	BNL	A000308-1-1	N/A	145029A	2000	REPAIRED	YES
14) VAL (BAL		BNL	A960201-2-3 (VALVE)	N/A	HV14512B	1996	REPLACED	YES
15) VAL (BAL		BNL	A000305-1-2	N/A	HV14512B	2000	REPLACEMENT	YES

A960201-1-3

(VALVE)

A000305-1-3

N/A

BNL

BNL

BECHTEL

N/A

N/A

N/A

1996

2000

1982

145029B

145029B

SPEBC107-2

REPLACED

REPLACEMENT

REPLACED

YES

YES

YES

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 Name					ate 05/14/2002			
	769 Sal	em Blvd, Berwic			Sheet	3of	8		
2. Plant	Sus	quehanna Stear		on	Unit		ONE		
769 Salem Blvd, Berwick, PA 18603					Bea				
3. Work P	erformed by	Address PPL Sus	squehanna, LLC	>		Neet 3 of 8 nit ONE See Attached List Repair Organization P.O. No., Job No., etc. rpe Code Symbol Stamp None uthorization No. N/A uthorization Date N/A UP SYSTEM 161A, CLASS III N/A thru W72 Addenda, * CC N-416-1 (* SEE ATTACHED LIST) Other Year Repaired, Replaced, or Replaced, or Replaced, or Replacement Other Year Repaired, Replaced, or Replacement Code Stamped (Yes or No) PEBC107-2 2000 REPLACEMENT NO HV14512B 1996 REPLACED YES HV14512B			
	Name 769 Salem Blvd, Berwick, PA 18603					0.	N/A		
-		Address			Expiration Date	<u> </u>	N/A		
4. Indenti	ification of Syster	m	REACTOR	WATER CLE	AN-UP SYSTE	M 161A,	CLASS III		
(b) Ap		of Section XI Utilize		placements 19	89	•	+		
6. Identifi	ication of Compo	nents Repaired or F	Replaced and Repla	acement Compor	nents				
	lame of omponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification		Replaced, or	Code Stamped (Yes or	
	IALL PIPE	PP&L	N/A	N/A	SPEBC107-2	2000	REPLACEMENT	NO	
20) VA (BA	LVE ALL)	BNL	A960201-2-3 (VALVE)	N/A	HV14512B	1996	REPLACED	YES	
21) VA (BA	LVE ALL)	BNL	A960201-2-4 (REMOVED FROM VALVE)	N/A	HV14512B	1996	REPLACEMENT	YES	
22) VA (BC	LVE DDY)	BNL	A960201-2-3 (VALVE)	N/A	HV14512B	1996	REPLACED	YES	
23) VA (BC	LVE DDY)	BNL	A960201-2-4 (REMOVED FROM VALVE)	N/A	HV14512B	1996	REPLACEMENT	YES	
24) VA	LVE	BNL	A960201-2-3	N/A	HV14512B	1996	REPLACED	YES	
25) VA	LVE	BNL	A000707-2-4	N/A	HV14512B	2000	REPLACEMENT	YES	
26) VA	LVE	BNL	A000707-2-4	N/A	HV14512B	2000	REPAIRED	YES	
27) SM SU	IALL PIPE IB-ASSEMBLY	BECHTEL	N/A	N/A	SPEBC103-6	1982	REPLACED		
28) SM SU	IALL PIPE JB-ASSEMBLY	PP&L	N/A	N/A	SPEBC103-6	2002	REPLACEMENT		
29) VA (DI	LVE SC)	VALTEK	6538-1-1 (VALVE)	N/A	145060A	1971	REPLACED	YËS	

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	5/14/2002	
	769 Sal	em Blvd, Berwid			Sheet	4 of		
2. Plant	Suso	Address	m Electric Statio	on	Unit		ONE	
		Nam	e			See Att	ached List	
<u> </u>	769 Sale	Address	CK, PA 18603		Re		n P.O. No., Job No., etc.	
3. Work Perfo	ormed by	PPL Su	squehanna, LLC	C	Type Code Syr	nbol Stamp	None	
	769 Sal	em Blvd, Berwid			Authorization N	lo.	N/A	
		Address			Expiration Date	e	N/A	
4. Indentifica	ation of Syster	m	REACTOR	WATER CLE	AN-UP SYSTE	EM 161A,	CLASS III	
5. (a) Applic	able Constru	ction Code	III* 19 d for Repairs or Re		thru W'72	Addenda, CC N-416-	Co Co Co	de Case ED LIST)
.,			Replaced and Repla					,
Nam Comp	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)
30) VALVE (DISC)		FLOWSERVE	HT # 720479	N/A	145060A	2000	REPLACEMENT	NO
31) VALVE		BNL	A960201-1-3	N/A	145029B	1996	REPLACED	YES
32) VALVE		BNL	A960202-1-1	N/A	145029B	1996	REPLACEMENT	YES
33) VALVE (BALL)		BNL	A960202-1-1 (VALVE)	N/A	145029B	1996	REPLACED	YES
34) VALVE (BALL)		BNL	A000607-1-(1)	N/A	145029B	2000	REPLACEMENT	YES
35) VALVE	Ξ	VALTER	6611-6-2	N/A	FV14566B	N/A	REPLACED	YES
36) VALVE (PIPE PLUC	Ξ	PP&L	N/A	N/A	FV14566B	2000	REPLACEMENT	NO
37) VALVE		HILLS McCANNA	143-673	N/A	HV-14507B	N/A	REPLACED	YES
38) VALVE	Ξ	HILLS McCANNA	209-380	N/A	HV-14507B	1980	REPLACEMENT	YES
39) SMALI SUB-A	L PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPEBC107-4	1982	REPLACED	YES
40) SMALI SUB-A	L PIPE ASSEMBLY	PP&L	N/A	N/A	SPEBC107-4	2000	REPLACEMENT	NO

REPLACED

REPLACEMENT

REPAIRED

N/A

2000

2000

HV-14528

HV-14528

HV-14528

YES

YES

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	0:	5/14/2002	
	769 Sale	em Blvd, Berwic			Sheet	<u>5</u> of	8	
2. Plant	Susc		m Electric Statio	on	Unit		ONE	
	769 Sale	Mame m Blvd, Berwie				See Att	ached List	
	100 0010	Address			<u> </u>	Repair Organizatio	n P.O. No., Job No., etc.	
3. Work Perfo	ormed by	PPL Sus	squehanna, LL(<u> </u>	Type Code S	ymbol Stamp	None	
	769 Sale	em Blvd, Berwid			Authorization	No	N/A	
		Address			Expiration Da	ate	N/A	
4. Indentifica	ition of System	n	REACTOR	WATER CLE	AN-UP SYS	TEM 161A,	CLASS III	
	able Construc		III* 19 d for Repairs or Re			Addenda, CC N-416-	* Co 1 (* SEE ATTACH	de Case ED LIST)
			Replaced and Repla					
Nam Comp	e 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)
41) SMALL SUB-A	PIPE SSEMBLY	BECHTEL	N/A	N/A	SPHBC103-	6 1982	REPLACED	YES
42) SMALL SUB-A	_ PIPE SSEMBLY	PP&L	N/A	N/A	SPHBC103-	6 2000	REPLACEMENT	NO
43) VALVE		HILLS McCANNA	144-673	N/A	HV-14507A	N/A	REPLACED	YES
44) VALVE		HILLS McCANNA	202-380	N/A	HV-14507A	. 1980	REPLACEMENT	YES
45) SMALL SUB-A	L PIPE SSEMBLY	BECHTEL	N/A	N/A	SPHBC103-	6 1982	REPLACED	YES
46) SMALL SUB-A	L PIPE SSEMBLY	PP&L	N/A	N/A	SPHBC103-	6 2000	REPLACEMENT	NO
47) VALVE		HILLS McCANNA	37-973	N/A	145039B	N/A	REPLACED	YES
48) VALVE		HILLS McCANNA	204-380	N/A	145039B	1980	REPLACEMENT	YES

HILLS McCANNA

BNL

BNL

49) VALVE

50) VALVE

51) VALVE (BODY) 10-1273

A000707-2-2

A000707-2-2

(VALVE)

N/A

N/A

N/A

REPAIRED

YES

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

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54) VALVE (BODY)

1. Owne	er	PPL Susquehanna, LLC			Date	0!	5/14/2002	
	769 Sal	em Blvd, Berwic	ck, PA 18603		Sheet	6 of	8	
2. Plant	sus	quehanna Stear		on	Unit		ONE	
	769 Sal	em Blvd, Berwin	-		Be		ached List	
3. Work	Performed by		squehanna, LLC	<u> </u>	Type Code Syn	-	None	
	769 Sal	em Blvd, Berwic	k, PA 18603		Authorization N	lo	N/A	
		100.000			Expiration Date	•	N/A	
4. Inde	entification of System	m	REACTOR	WATER CLE	AN-UP SYSTE	EM 161A,	CLASS III	
• •	Applicable Constru Applicable Edition	ction Code of Section XI Utilize	III* 19 d for Repairs or Re		thru W'72 89	Addenda, CC N-416-	Co 1 (* SEE ATTACH	de Case ED LIST)
6. Iden	itification of Compo	nents Repaired or F	Replaced and Repla	acement Compon	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)
	SMALL PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	SPHBC103-5	1982	REPLACED	YES
	SMALL PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	SPHBC103-5	2002	REPLACEMENT	NO

N/A

HV-14506B

N/A

10423-1-2 (VALVE)

VALTEK

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

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1. C	1. Owner PPL Susquehanna, LLC			Date	Date05/14/2002			
-		769 Salem Bl	vd, Berwick, PA 18603	Sheet	of	8		
2. P	Plant	Susqueha	nna Steam Electric Station	Unit		ONE		
_		769 Salem Blv	vd, Berwick, PA 18603	SEE AT	TACHED LIST Repair Organization P	O. No., Job No., etc.		
3. V	Vork Perfo	rmed by	PPL Susquehanna, LLC	Type Code	e Symbol Stamp	None		
		769 Salem Bl	vd, Berwick, PA 18603	Authorizat	ion No.	N/A		
			Address	Expiration	Date	N/A		
4. I	Indentificat	tion of System	REACTOR WATER	CLEAN-UP SY	STEM 161A, C	LASS III		
	(b) Applic		ode ASME Sec III * 19 71 F on XI Utilized for Repairs or Replacement Repaired or Replaced and Replacement C	ts 19 <u>89</u>		N/A* Code Case (* SEE LIST BELOW)		
ITEM	WORK	CODE PROGRAM	DESCRIPTION OF WORK	CODE OF CO	NSTRUCTION	DESCRIPTION OF TESTS		
1-10	237156	00-161-014	REPLACED 145042B & 145043B, ASSOC PIPE SPEBC103-7, SPHBC102-2 & SPEBC103-H2013	CODE. REPLACEN	III 1968 DRAFT P&V IENT SEC III '74 ED ADD			
11-13	237158	00-161-015	145029A, REPLACED VALVE BY WELDING AND REPAIRED NEW VALVE BY MACHINING BODY FOR FIT TOLERANCES	EXISTING VALVE	& REPLACEMENT 974 ED NO ADD.	NON VT-2 PER MI-PS-008		
14-15	257191	00-161-016	HV-14512B, REPLACED VALVE BALL		& REPLACEMENT 74 ED NO ADD.	NON VT-2 PER MI-PS-008		
16-17	238691	00-161-017	145029B, REPLACED VALVE BALL		& REPLACEMENT 74 ED NO ADD.	NON VT-2 PER MI-PS-008		
18-19	104460	00-161-018	SPEBC107-2, REPLACED SMALL PIPE FLANGE BOLTING	SEC III 1971 ED V	WINTER '72 ADD.	NON VT-2 PER MI-PS-008		
20-23	274122	00-161-019	HV-14512B, REPLACED VALVE BY WELDING & BALL IN NEW VALVE DUE TO DAMAGE AT INSTALLATION	NO ADD. REPLA REMOVED FRO	ME SEC III '71 ED CEMENT PARTS DM VALVE S/N# 74 ED NO ADD.	NON VT-2 PER MI-PS-008		
24-28	284142	00-161-020	HV-14512B, REPLACED VALVE & ASSOCIATED PIPE BY WELDING AND REPAIRED NEW VALVE BY MACHINING.	VALVE SEC III 1	& REPLACEMENT 974 ED NO ADD.	NON VT-2 PER MI-PS-008		
29-30	222469	00-161-021	145060A, REPLACED VALVE DISC.	ORIG. VALVE	SEC III 1968 SV CODE.	NON VT-2 PER MI-PS-008		
31-34	274126	00-161-022	145029B, REPLACED VALVE BY WELDING & BALL IN NEW VALVE DUE TO DAMAGE AT INSTALLATION		S & PARTS; ED NO ADD	NON VT-2 PER MI-PS-008.		
35-36	233547	00-161-023	FV-14566B, REPLACED BONNET PIPE PLUG		III 1968 DRAFT P&V DE.	NON VT-2 PER MI-PS-008.		
37-42	288839	00-161-024	HV-14507B, SPHBC103-6 & SPEBC107-4, REPLACED VALVE & ASSOCIATED PIPE BY WELDING	CODE. REPLACEN	III 1968 DRAFT P&V IENT SEC III '77 ED ADD	TEMP 100°F/PRESS 1180 PSIG		
43-46	293796	00-161-025	HV-14507A, SPHBC103-6, REPLACED VALVE & ASSOCIATED PIPE BY WELDING	CODE. REPLACEN	III 1968 DRAFT P&V IENT SEC III '77 ED ADD	TEMP 100°F/PRESS 1175 PSIG		
47-48	293797	00-161-026	145039B, REPLACED VALVE BY WELDING	CODE. REPLACEN	III 1968 DRAFT P&V IENT SEC III '77 ED ADD			

MI-PS-008

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

1. 0	Owner PPL Susquehanna, LLC Name					Date	05/14/2002		
		769 Salem Bl	vd, Berwick, PA 186	03		Sheet	8 of	8	
2. P	2. Plant Susquehanna Steam Electric Station					Unit		ONE	
_	769 Salem Blvd, Berwick, PA 18603 Address SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.								
3. W	3. Work Performed by PPL Susquehanna, LLC Type Code Symbol Stamp None None								
_	769 Salem Blvd, Berwick, PA 18603					Authorization	No.	N/A	
			Address			Expiration Dat	Date N/A		
4. I	ndentificati	on of System	REACT	OR WATEF		N-UP SYST	EM 161A, C	LASS III	
	 5. (a) Applicable Construction Code <u>ASME Sec III * 19 71</u> Edition, <u>Thru W72</u> Addenda, <u>N/A*</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CC N-416-1 (* SEE LIST BELOW) 6. Identification of Components Repaired or Replaced and Replacement Components 								
ITEM	WORK	CODE PROGRAM	DESCRIPTION OF	WORK	C	ODE OF CONST	RUCTION	DESCRIPTION OF TESTS	
49-53	289931	01-161-001	HV-14528, SPHBC103-5 VALVE AND ASSOCIAT WELDING			ALVE SEC III 1 REPLACEMEN NO ADE	T SEC III '74 E		
54	358812	02-161-001	HV-14506B, REPAIRED V	ALVE BONNET	VALVE	SEC III 1968 DR	AFT P&V COD	E NON VT-2 PER	

TO BODY SEATING SURFACE BY

WELDING & GRINDING.

Assigned to: ????

FOR INFORMATION ONLY

Expires On: \?

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 2 Pg. 1 of 1. Menufactured and cardified by _____BNL INDUSTRIES, INC., 30 INDUSTRIAL PARK ROAD, VERNON, CT, 06066 PENNSYLVANIA POWER 4 LIGHT CO, TWO NORTH NINTH ST, ALLENTOWN, PA 18101 2. Manufactured for Insme and address of Purchasori SUSQUEHANNA, 5 MI NE OF BERWICK, PA, 18603 3. Location of installation iname and address HBV-A2-10-0080 0 VALVE 4. Model No., Series No., or Type _ Drawing CRN. 1974 / 3 / 5. ASME Code, Section III, Division 1: (edition) (addenda date) (class) (Code Case no.) VALVE 1" 1" 6. Pump or valve Nominal inlet size. Outlet size (in.) SA-479 Ty316 [m.) SA-193GrB7/SA-194Gr2H SA-105 SA-105 / 7. Material: Body . Disk Ronnet Bolting 12 (b) ٤ (0) (d) (.) Cert. Nat'i Body Bonnet Disk Holder's Serial Board Sarial Seriel Seriel No. No. No. No. No. A000503-1-(142 NZ32 N25 **K33** ١. A000503-1-(3) N232 N25/L171 ŝ K158 pplamental information in form of lists, skatches, or drawings may be used previded (1) size is B½ 🛪 11, (2) information in heres I through 4

supprenents intermeter in norm of Uste, statches, of orowings may be used provided (1) eize is USL × 11, (2) information in iteras I 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.

(12/88)

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

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FORM NPV-1	{Back	_	Po.	2	of	2
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1650			
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PA	_	24926-E	
PA	Reg. no. Reg. no.	24926-E	_
			1650

Ì	(N Cartificate Heider)	
	Date 06/28/00 BNL INDUSTRIES, INC.	- Signed - Ch
	N Caruficate of Authorization No	11/10/01
	of the ASME Cede, Section III, Division 1.	it this pump or veive conforms to the rules for construction

CENTIFICATE OF I	NSPECTION
I, the undersigned, holding a valid commission issued by the Ni the State or Province of <u>CONNECTICUT</u> BOSTON, MASS	ational Board of Boliar and Preasure Vessel Inspectors and and employed by
06/28/00 have in	spected the pump, or velve, described in this Data Report on f my knowledge and ballef, the Certificate Holder has con- Section III, Division 1.
By signing this certificate, neither the inspector nor his employer component described in this Data Report. Furthermore, neither the any personsi injury or property (Denege or a loss of any kind erising	inspector nor his employer shall be liable in any manner for
Date 215-23th Commis	sions NB. 8504 XN CT1414

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(1) For manually operated values only.

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Assigned to: ????

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FOR INFORMATION ONLY

Expires On: \?

			ode, Section III, Divisi	Pg. 1 of2
Marine and and and	BUL IN	DUSTRIES. INC.	30 INDUSTRIAL PAR	K ROAD, VERNON, CT
Manufactured and car				
PEN	NSYLVANIA POW	ER 4 LIGHT CO, TH	Trans of N Cortificate Holder) O NORTH NINTH ST.	ALLENTOWN, PA 18101
Manufactured for				
Location of Installation	SUSQUERANNA,	5 MI NE OF BERW	ICK, PA, 18603	
Nodel No., Series No.,	or Type	HBV-A2-0	04-0062 B	
ASME Code, Section	19 13, Division 1:		3 /	
	(	tadition) Laddanda	data) (class)	(Cade Case no.)
Pump or valve	LVE North	ul iniet size 1/2"	Outlet size1/2	2 **
		(in.)		(in.)
Matarial: Body	-105 Boom	SA-105	_ SA-479 Ty316	SA-193GrB7/SA-1
		······································		
(a)	Ca)	(=)	LCC	(•)
Cert.	Nat'l	Body		
Holder's	Board	Serial	Bonnet Serial	Diak Seriel
Sertal No.	No.			
	MD.	- <u></u> No.	No.	No.
308-1-1		N56	N232	N91
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* Supplemental information in force of lists, skatehow, or drawings may be used provided (1) size is 81% × 11, (2) information in Items 1 through 4 on this Deta Report is included on such sheet, (3) each sheet is supplemed and the number of sheets is recorded at the top of this form.

(12/88)

This form (ED0037) may be extained from the Order Dept., ASME, 23 Law Drive, Box 2300, Febriald, NJ 07007-2300.

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CERTURAL TION OF DESIGN Design Specification cardiae by D.H. GROVES P.E. State PA Design Report cardiaed by P.E. State P.E. State Rep. no Design Report cardiaed by P.E. State P.E. State Rep. no	A. Design conditions       pal       pal       Cartificens Hodder's Serial No.       pal         9. Codd working pressure       1405PSIG (t) 150F       Numperature)       *F or valve pressure data       AV         10. Hydrostotic test       2225       pal at 100*F       1630       1630         11. Remeria:
no. 24926-E	A000308-1-1 ANSI 600#

CERTIFICATE OF CONTRAMUE We cardly that the statuments made in this secon and that this permo or valve conforms to the rules for construction of the ASME Code, Section RI, Owinion 1. N-2882 Erg/res I1/10/01 N Certificats of Auditorization Ne. N-2882 Erg/res Erg/reg/res Erg/res Erg/reg/res Erg/res Erg/reg/res Erg/res
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any personal injury or property gamage or a loss of any kind arising from ar connected with this inspection
component described in this Data Raport. Furthermore, neither the inspector nor his employer shall be liable in any manner for
By signing this cardificate, nather the impector nor his employer makes any warranty, supressed or implied, concerning the
enantied this pump, or valve, in accordance with the ASME Code, Section II, Division 1.

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	any personal lighty or property dynage or a bass of any kind arking from or connected with this inspection.	component described in this Data Report. Furthermore, nativer the inspector nor his employer shall be liable in any menner for	
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	Committee
Uter1. Bd. Bnd. undersements) and state or prov. ene ne.j	0 cm M8 85
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	Not to Exceed	ons of the ASME Code One Day's Production		Pg. 1 of
. Manufactured and certified by		C, 30 INDUSTRIAL E	vificate Helder)	
Manufactured for		Insme and address of Purchaser F BERWICK, PA, 18	1	
. Location of installation	SA-479, Ty316	(name and address) 75 KSI		2000
. Type:	(met1, epec. no.) 1974	tienelle strengsh)	3 V	iyəər buiti
ASME Code, Section III, Division 1:	tt. Spec. (Div. 2 only)		(cleas)	(Code Cano no.)
BALL FOR 1/2				
. Remarks:	lin, design thickness (in.) _	N/ADia, ID (ft & in.) .	N/A Length 1:	overall (ft & in.)N/A
Part or Appurtenence Serial Number	lin, design thickness (in.) _ rs' Data Reports are attache National Board No. In Numerical Order	N/ADia, ID (ft & in.) .	urtenence	overall (ft & in.)N/A National Board No. In Numerical Order
Remarks:	lin, design thickness (in.) _ rs' Data Reports are attachd National Board No. in Numerical Order NL TRACE#N91)	N/A Dia, ID (ft & in.) . Ind for each item of this report Part or App	urtenence lumber	National Board No.

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Pert ar Appurtenence Seriel Number	National Board No. In Numerical Order
A000305-1-(243) (B	VL TRACE#N91)	(26)	
2)		(27)	
31		(28)	
	•	(29)	
5)		(30)	
5)		(31)	
7)		(32)	
B)		(33)	
9)		(34)	
0)		(35)	
1)		(36)	
2)		(37)	
3)		(38)	
41		(39)	
5)		(40)	
6)		(41)	
71		(42)	
8)		(43)	
9)		(44)	
0)		(45)	
1)		(46)	
2)		(47)	
3)		(48)	
4}		(49)	+
5)	ļ	(50)	+

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8% × 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, Bex 2300, Fairfield, NJ 07007-2300.

Assigned to: ????

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FORM N-2 (Back — Pg. 2 of	•	
Certificate Holder's Serial		3) (BNL TRACE#N9)
CERTIFICATION OF DESIGN		
J.G. SHELLENBERGER	PA	19551-E
J.G. SHELLENBERGER Design specifications certified by	P.E. State	Reg. no
(when opportune)		
Design report * certified by	P.E. State	Reg. no
CERTIFICATE OF COMPLIANCE		
We certify that the statements made in this report are correct and that this (these)	BALLS	
conforms to the rules of construction of the ASME Code, Section III. Division 1.		
N-2883	11/10/01	
04/03/00 BNL INDUSTRIES, INC. Signed	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
(NPT Certificate Holder)	C Smortzed ri	(presentative)
CERTIFICATE OF INSPECTION		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pres	sure Vessel inspectors ar	td the State or Province :
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pres CONNECTICUT COMMERCIAL UNION INSURANCE BOSTON, MASS have inspected these terms described in this Data Report on	04/03/00	
best of my knowledge and belief, the Cartificate Holder has fabricated these parts or appurter	ances in accordance will	n the ASME Lode, Sectio
II, 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, express	•	
		ury or property damage (
n this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any m		
in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any m loss of eny kind arising from or connected with this inspection.		_
in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any m loss of any kind arising from or connected with this inspection.	ssions <u>Q</u> ES	_

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FORM NPV-1	CERTIFICATE HOL	ERS' DATA REPORT	FOR NUCLEAR PUM	7/18/96	
As	Required by the Pro	visions of the ASME	Code, Section III, Div	PS UR VALVES	
•		The ASINE	Code, Second III, DIV		(
والبدي النرس بالمستقلين بالم			,	Pg. 1 of <u>2</u>	٩,
		•			
· · · · · · · · · · · · · · · · · · ·	BNL IN	TISTUTES THE S			
1. Manufactured and t	certified by		O INDUSTRIAL PARK	RD, VERNON CT	06066
	PENNSYLVANTA POR		ddress of N Certificate Holders		
2. Manufactured for _			NORTH NINTH ST,	ALLENTOWN PA 18	101
	PDCI. CTC	(name and add	ress of Purchaser)		
3. Location of installat	ion 5050	UEHANNA, RTE 11	, BERWICK PA 18	603	
	valve		e and address)		
4. Model No., Series N	o., or Type	Drawing ABV-A	2-04-0061 B	CRN	
	•	974 mails/s6		· · · ·	
5. ASME Code, Sectio	n III, Division 1;	0,00 1-10.	3		
-	alve	edition) (eddend		Code Case no.)	
6. Pump or valve	Nomin	al inlet size1/2"	Outlet size	1/2"	
c	A 105	(in.)	•	. (in.)	
7. Material: Body	8onne	SA 105	Disk SA 479 Ty 316	SA193GrB7/SA	194Gr2H
•	•		•	•	·
(a)	: <b>(b)</b>	(c)	(b)	(e)	
Cert.	Nat'i	Body	Bonnet	Disk	· .
Holder's	Board	Serial	Serial	Serial	
Serial No.	No.	No.	No.	No.	
A960201-2-1		K23-1	K23-2	-	•
A960201-2-2	**************************************	K23-1	K23-2	<u> </u>	
A960201-2-3		K23-1	K29-2	<u> </u>	
960201-2-4	<u> </u>	K23-1	K23-2	K72	Į.
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* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% × 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.

-1 2/88)

This form (EGC037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

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CERTIFICATE OF INSPECTION 4
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by and employed by <i>Commtre clas UNI en Tas Co.</i> of <i>ION 55</i> have inspected the pump, or valve, described in this Data Report on (5-27-96, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any king arising from or connected with this inspection.

Authorized inspector) Date 6-27-96 Signed 100 C 3Y 3 (Nat'l. Bd. (incl. andorsaments) and state or prov. and no.]

(1) For manually operated values only.

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

Pg. 1 of _2_

1. Manufactured a	nd certifie by B	L INDUSTRIES, :	INC, 30 INI	USTRIAL PAR	K RD, VERNON CI	06066
		(r	name and address o	f N Certi sate Holde	r)	
2. Manufactured for	PENN: YLVAN	LA POWER & LIGHT	r, 'IWO NORI	H NII TH ST,	ALLENTOWN PA	18101
	TIGG		ne and address of P	urchaser		
3. Location of insta	llation	SUSQUEHANNA, F			8603	
	- M 7	valve _	(name and add HRV Δ2_04	0041 0		
4. Model No., Serie	s No., or 1998	Drawing			CRN	
5. ASME Code, Sec	tion III, Division 1:	1974	-	3		
	valve	(edition)	(addenda date)	(class)	(Code Case no.)	
6. Pump or valve		Nominal inlet size	1/2"	Outlet size	1/2"	
-	SA 105	Bonnet SA 105	(in.)	479 Ty 316	(in.) SA193GrB7/	SA10/C=2
7. Material: Body .		Bonnet	Disk		Bolting	
(a)	(b)	(c)	• •	1.45	4-1	
Cert.	Nat'l	Body		(d) Boi∘net	(e) Disk	
Holder's	Board	Seria	•	Sevial	Serial	
Serial No.	No.	No.		ica.	No.	
▲ <u>A960201-1-1</u>		K32-	<u> </u>	K23 -2	K72	
✓ A960201-1-2		K23-1		K232	K72	
<u>A960201-1-3</u>		K23-1	L	K23-2	K72	
▲ <u>A950201-1-4</u>		K23-1	L	K23-2	K72	
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* Supplemental information i	n form of lists, sketch	se, or drawings may be use	m provided (1) eise	in R % x 11 121 ind.	prmation in items 1 through 4	-

Suppremental information in form of lists, sketches, or drawings may be used provided (1) size is  $8\% \times 11$ , (2) information in items 1 through 4 on this Data Report is included on et ch sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88)

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FORM NPV-1	(Back - P	g. 2 of $(2)$
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A960201-1-(1thru4) Certificate Holder's Serial No.

	Design conditions psi psi	_°F or valve press⊔	class ANSI 600# (1)
10.	Hydrostatic test2225 psi. Disk differential test pressure	1630	psi
11.	Remarks:		
r			· · · · · · · · · · · · · · · · · · ·
	CERTIFICATION OF DESIG	IN	
Des	ign Specification certified by	. State	Reg. no. <u>19551E</u> Reg. no
	CERTIFICATE OF COMPLIAN		
of th	certify that the statements made in this report are correct and that this pune ASME Code, Section III, Division 1. ertificate of Authorization NoN-2882	ump or valve conform	s to the rules for construction 11/10/98
Date	6/27/96 Name BNL INDUSTRIES, INC.	Signed	man firesentative)

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors the State or Province of and employed by <u>Commercipation Commercipation</u> of	
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning component described in this Data Resort. Furthermore, neither the inspector nor his employer shall be liable in any manner any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Date 6-27-96 Signed 11/11/11/11/11/11/11/11/11/11/11/11/11/	

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(1) For manually operated values only.

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				Pg. 1 of2
1. Menufactured and	certified byBNL_I			K ROAD, VERNON, CT,
P 2. Manufectured for _	ENNSYLVANIA POT	INTER & LIGHT CO, TW	Frame of N Cartificans Holdae) O NORTH NINTH ST,	ALLENTOWN, PA 18101
3. Location of installe	SUSQUEHANNA	, 5 MI NE OF BERW.	ICK, PA, 18603	
4. Model No., Series N	VALVE		4-0061 B	CAN
5. ASME Code, Section	n III, Division 1:	974	/ 3/	
8. Pump or valve	ALVE Nom	(adition) leddanda Inal Inlet aiza 1/2*	dete) (class) Outlet size 1/	(Code Cese no.) 2 "
-7: Material: Body	SA-105	SA-105	SA-479 Ty316	(m.) SA-193GrB7/SA-19
(a)	(6)			olting
Cert.	Nat'l	(a)	(d)	( <del>0)</del>
Holder's	Scend	Bedy	Bonnet	Disk
Seriel No.	No.	Serial	Seriel	Seriel
0000707-2- (1THE		No.	No.	No.
1000707-2- (11RF		N56	M160	P112
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*Supplemental information in form of lists, ekstehes, or drawings may be used provided (1) eize is 816 × 11, (2) information in learns 1 through 4 on this Date Report is included on each eheat, (3) each sheat is numbered and the number of sheats is recorded at the top of this form.

(12/88)

This form (E00037) may be obtained from the Order Dapt., ASME, 22 Low Drive, Box 2300, Fairfield, NJ 07007-2300.

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

A000707-2- (1THRU4) Certificats Holder's Seriel No.

8.	Design conditions			*F or valve pressure class _	ANSI	
_	14	OSPSIG @ 1	tumperature)			
3.	Cold working pressure					
10.	222: Hydroetatic test		Disk differential test press	1630 NR		psi
11.	Remarks:	· • • • • • • • • • • • • • • • • • • •				

	CERTIFICATION OF D	ERGN	
Design Specification curtified byD.M.	GROVES	PA P.E. Sute	24926-E
Design Report certified by			-

	CERTIFICATE OF COMP	LIANCE
f	-	his pump or valve conforms to the rules for construction
of the ASME Code, Section NL N Certificate of Authorization I	N~2882	Expires 11/10/01
Date 09/27/00 Name	BNL INDUSTRIES, INC. (N Cardificate Madder)	Signed

	CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid of the State or Province ofCONN	ommission issued by the National Board of Boller and Prassure Vessei inspectors an CONDERCIAL UNION INS.
	have inspected the pump, or valve, described in this Data Report o and state that to the best of my knowledge and belief, the Certificate Holder has con dance with the ASME Code, Section #, Division 1.
component described in this Data Re	e inspector nor his employer makes any warranty, expressed or implied, concerning th port. Furthermors, neither the inspector nor his employer shall be liable in any manner fi je or a loss of any kind arising from or connected with this inspection.
Date 9-24-300 Signed	VE 2504 AN CT 14 14-

(1) For manually operated values 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 _2_

	•													
1.	Manufactured an	d cer	tified by	BN	L INDU	STR	IES, I	NC,	30 IND	USTRIAL	PAR	K RD,	VERNON CT	06066
2	Manufactured for	PE	NNSYL	VANI	A POWE	R &	(n LIGHI	ame and N. TW	o NOR'E	N Certificate	ST,	ALLE	NTOWN PA	18101
		•					(nan	ne and a	ddress of P	urchaser)				_
З.	Location of instal	liation	<u> </u>	& L,	SUSQU	EHA	NNA, R		1, BER		A 1	8603		
				•	valve			(ni 17017		iress) _0061 τ	2			
4.	Model No., Series	s No.,	or Type	ف	varve		Drawing		-A2-04-	-0061 I	<b></b>		CRN	<u> </u>
5	ASME Code, Sec	tion I	II Divie	ion 1:	19	74			<b>_</b> .		3			
σ.					(ed	lition}			nda date)		ciass)		(Code Case no.)	
6.	Pump or valve		lve		Nominal	inlet	size	1/2	**	Outlet size		1/2"		
		SA	105				105	(in.)	57	479 'Гу		(in.)	SA193GrB7/S	3194Cr24
7.	Material: Body .			<u> </u>	Bonnet	<u> </u>		·	Disk	475 19		Bolting		
	(a)			(b)			(c)			(d)		•	(e)	····
	Cert.			Nat'l			Bod			Bonnet	1		Disk	•••
	Holder's			Board			Seri	al		Serial		•.	Serial	
	Serial No.			No.			No	•		No.			No.	
A96	50202-1-1						K23-	1		K23-2			K72	
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* Supplemental information in form of lists, sketches, 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.

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

Certificate Holder's Serial No. A960 205 -1-1

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-6744

	Design conditions (pressure)	(rembererure)	°F or valve pressure class -	ANSI 600#	(1)
9.	Cold working pressure140	JSPSI (a) SUPPORT			
10.	Hydrostatic test2225	psi. Disk differential test press	ure1630		_ psi
11.	Remarks:				
	·				

		CERTIFICATION OF	DESIGN	l	
Design Specification certified by	J.G.	Shallenberger	_ P.E.	State	Reg. no. 19551E
Design Report certified by					Reg. no

	CERTIFICATE OF COMPLIA	NCE		
We certify that the statements made in t		pump or valv	ve conforma	to the rules for construction
of the ASME Code, Section III, Division N Certificate of Authorization No	NT 2002		Expires	11/10/98
Date 6/27/96 Name BNL	INDUSTRIES, INC.	Signed	FY	MASA- ized (opresentative)
	(N Certificate Holder)	-	Genthor	ized resentative)

CERTIFICATE OF 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 and employed by Commission <i>Ling The Ling The second and employed by Commission Ling The second structed the pump, or valve, described in this Data Report on</i>
By signing this cartificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.
(Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated values only.

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#### FOR INFORMATION ONLY

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Assigned	l to:	????	
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		One Day's Productio	n		Pg. 1 of _
Manufactured and certified byBNI	INDUSTRIES, INC	, 30 INDUSTRIAL	PARK ROAD,	VERNON,	CT, 0606
		Iname and eddress of NPT	Certificate Holder)		
PENNSYLVANI.	A POWER & LIGHT C	O, TWO NORTH N	INTH ST, ALLE	NTOWN, PA	18101
Manufactured for		iname and apprass of Parch.			······
SUSOUE	HANNA, 5 MI NE OF				
Location of installation					
HBV-A2-04-0062, R/B	SA-479, TY316	there and addres 75 KSI	4)	2	000 /
Type:	(mar'l. epst. re.j	(tanals strongth)	ICRNI		typer built)
	1974 🖌	-	3		
ASME Code, Section III, Division 1: _	te-Bter.j	(addanda data)			(Code Com ru-)
Esbricated in accordance with Const.	Spec. (Div. 2 only)		n		
		Inail			
BALL FOR 1/2"	DIA. BALL VALVE				

N/A Min. dasign thickness (in.) N/A Dia. ID (ft & in.) _ N/A N/A 8. Nom. thickness (in.) . _ Langth overall (ft & in.) _ 9. When applicable, Certificate Holders' Date Reports are attached for each item of this report: .

Part or Appurtsnance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Seriel Number	National Board No. In Numerical Order
A000607-1-(1) (BNI 1	RACE#N91)	(28)	
		(27)	
31		(28)	
4)	•	(29)	
5)		(30)	
6)		(31)	
71		(32)	
ß)		(33)	
9)		(34)	
0)		(35)	
11		(36)	
2)		(37)	
31		(38)	
41		(39)	
5)		(40)	
6)		(41)	
71		(42)	
8)		(43)	
9}		[44]	
0}		(45)	
1)		(46)	
2)		(47)	
3)		(48)	
4)		(49)	
5)		(50)	
		•F. Hydro, test pressure 1	

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8% × 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 (ED0040) may be obtained from the Order Dept., ASME, 22 Low Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

#### FOR INFORMATION ONLY

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Assigned to: ????

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	FORM N-2 (Back - Pg	2 of)	A000607-1- (	1) (BNL TRACE#N91
	Certificate +	lolder's Serial Nos	•	through
	CENTIFICATION OF	DESIGN		
				19551-E
esign specifications certified by .		_	P.E. State	
•				•
esign report* cartified by	(when applicable)		P.E. State	Reg. no
	CERTIFICATE OF CON	IPLIANCE		
		BA	LLS	
	ide in this report are correct and that this (the			
anforms to the rules of construct	ion of the ASME Code, Section III, Division 1.			
PT Certificate of Authorization N	N-2883	Expires	11/10/01	
			<b>F</b> 14	
06/28/00 Name	BNL INDUSTRIES, INC.		yma	gu
	(NPT Caroficana Holder)		0 tournonseq	
the second s				
	CERTIFICATE OF INS	PECTION		
, the undersigned, holding a valid			e Vessel Inspectors a	und the State or Province o
the undersigned, holding a valid CONNECTICUT and em	commission issued by the National Board of COMMERCIAL UNION INSU	Boiler and Pressur JRANCE	• Vessel Inspectors a	and the State or Province o
BOSTON, MASS	commission issued by the National Board of COMMERCIAL UNION INSI ployed by	Boiler and Pressum JRANCE	00/20/00	, and state that to the
of BOSTON, MASS has have been been been been been been been be	commission issued by the National Board of ployed by	Boiler and Presaum JRANCE a Report on rts or appurtenand	00/20/00	, and state that to th
of <u>BOSTON, MASS</u> here and belief, U, Division 1. Each part listed has	commission issued by the National Board of ployed by	Boiler and Pressum JRANCE a Report on rts or appurtenanc jum above.	ces in accordance wi	th the ASME Code, Section
BOSTON, MASS has best of my knowledge and belief, U, Division 1. Each part listed has by signing this certificate, neither	commission issued by the National Board of ployed by	Boiler and Pressur JRANCE a Report on rts or appurtenent jurn above. irranty, expressed	or implied, concerning	, and state that to th th the ASME Code, Section ng the equipment described
BOSTON, MASS has best of my knowledge and bellef, U, Division 1. Each part listed has by signing this certificate, neither in this Data Report. Furthermore, i	commission issued by the National Board of ployed by	Boiler and Pressur JRANCE a Report on rts or appurtenent jurn above. irranty, expressed	or implied, concerning	, and state that to th th the ASME Code, Section ng the equipment described
BOSTON, MASS has best of my knowledge and bellef, U. Division 1. Each part listed has by signing this certificate, neither	commission issued by the National Board of ployed by	Boiler and Pressun JRANCE a Report on rts or appurtenanc own above. irranty, expressed ligble in any man	or impliad, concerni- ter for any personal l	, and state that to the th the ASME Code, Section ng the squipment described njury or property demage o
BOSTON, MASS has best of my knowledge and bellef, U, Division 1. Each part listed has by signing this certificate, neither in this Deta Report. Furthermore, f	commission issued by the National Board of ployed by	Boiler and Pressun JRANCE a Report on rts or appurtenanc own above. irranty, expressed ligble in any man	or implied, concerning	, and state that to the th the ASME Code, Section ng the squipment described njury or property demage o

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1. Manufactured by	Hills McCanna Co.	pany, 400 )	aple Ave., C	arpente	rsville, I	1 60
2. Manufactured for	General Electric	(anulacturer)	mtmer Asso	- ເລີຍ ເຊິ່ງ	o Colif	05121
	General Electric	urchaser or Owneri	Plack For Ct			9512
3. Location of Installati	(Name and Address) all Valve			ation U	<u>μτς τ, τυό</u>	
4. Pump or Valve $=\frac{B}{2}$	all Valve	Nominal	Inlet Size		Dutlet Size	2''
(a) Model No.,	(b) Manufacturers'	(c) Canadian	-(in	ch)		
Series No.	Serial	Registration	(d) Drawing		(f) Nat'l.	
or Type	· No.	No.	No.	(e) Class	Bd. No.	(g) Ye Buil
				10/ 01033	bu, 140,	BUI
(1) <u>2'' S603</u>	205-380		CEVA_2475	3		198
(3) _CS-E-S6	206-380		CBVA_2475	3		198
(4)	207_380		CEVA_2475_			198
(5)	208-380	·····	CEVA 2475	3		198
(6)	209-380	·····	CBVA_2475.	3	=	198
(7)	······································			····· •····		
(8)		· · · · · · · · · · · · · · · · · · ·			·	
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	(Brief description	of service for which	h equipment was desig	inedi		
	1					STAR BLACK
Design Conditions Cold Working Pressure	1410 psi psi (Pressure) psi at 10	150 (Temperature)	_ *F or Valve Pres	sure Class	600	(
	(Pressure) psi at 10	(Temperature)	_ °F or Valve Pres	sure Class		(
Cold Working Pressure	(Pressure) psi at 10	(Temperature) )0°F.	_ °F or Valve Pres Manufacture	T		1.91 1.91 1.91 1.91 1.91
Coid Working Pressure Pressure Retaining Piec Mark No.	(Pressure) psi at 10	(Temperature) )0°F.	алан алан алан алан алан алан алан алан	T	600	1.91 1.91 1.91 1.91 1.91
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Coid Working Pressure Pressure Rataining Piec Mark No. (a) Castings 229-0234 229-0624	Pressure) Psi at 10 psi at 10 psi at 10 satternal Spe SA 216 Cr. WC SA 216 Gr. WC	(Tempersture) 20°F ec. No. B B	Manufacture PRL Industr PRL Industr	r ies ies	600 Remarks Ser . #1079- Ser . #1079-	( 
Coid Working Pressure Pressure Rataining Piec Mark No. (a) Castings 229-0234 229-0624 229-0234	Pressure) 1410psi at 10 res Material Spe SA 216 Gr. WC SA 216 Gr. WC SA 216 Gr. WC	(Tempersture) 20°F. Ec. No. B B B	Manufactura PRL Industr PRL Industr PRL Industr	r ies ies	600 Remarka Ser. #1079- Ser. #1079- Ser. #1079-	15 Ht 53 Ht 26 Ht
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Coid Working Pressure Pressure Rataining Piec Mark No. (a) Castings 229-0234 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624	(Pressure)         psi           1410         psi at 10           res         Material Spe           SA 216 Gr. WC         SA 216 Gr. WC	(Tempersture) port cc. No. B B B B B B B B B B C C C C C C C C C C C C C	Manufactura PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr	ries ies ies ies ies ies ies	600 Remarks Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079-	15 Ht 53 Ht 26 Ht 61 Ht 16 Ht 58 Ht 6 Ht
Coid Working Pressure Pressure Rataining Piec Mark No. (a) Castings 229-0234 229-0624 229-0234 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624	(Pressure)         psi           1410         psi at 10           res         Material Spe           SA 216 Gr. WC         SA 216 Gr. WC	(Tempersture) port cc. No. B B B B B B B B B B C C C C C C C C C C C C C	Manufactura PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr	r ies ies ies ies ies ies ies	600 Remarks Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079-	15 Ht 53 Ht 26 Ht 61 Ht 16, Ht 58 Ht 6 Ht 75 Ht
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Coid Working Pressure Pressure Rataining Piec Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624	(Pressure)         psi           1410         psi at 10           res         Material Spe           SA 216 Gr. WC         SA 216 Gr. WC	(Tempersture) por E EC. No. B B B B B B B B B B B C C C C C C C C C C C C C	Manufactura PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr	ies ies ies ies ies ies ies ies	600 Remarks Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079- Ser. #1079-	15 Ht 53 Ht 26 Ht 16 Ht 58 Ht 58 Ht 6 Ht 75 Ht 17 Ht
Coid Working Pressure Pressure Rataining Piec Mark No. (a) Castings 229-0234 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624 229-0624	(Pressure)         psi           1410         psi at 10           res         Material Spe           SA 216 Gr. WC         SA 216 Gr. WC	(Tempersture) por E EC. No. B B B B B B B B B B B C C C C C C C C C C C C C	Manufacture PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr PRL Industr	r ies ies ies ies ies ies ies ies	600 Remarks Ser. #1079- Ser. #1079-	15 Ht 53 Ht 26 Ht 61 Ht 58 Ht 6 Ht 75 Ht 17 Ht 51 Ht
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* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1(2" x 11", (2) information in nems 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form. ..... \$1.

This form (E00037) may be obtained from the Order Dept., ASME, 345 E, 47 St., New York, N.Y. 10017

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	Ma k No.	Mater & Spec. No.	Manufacturer	Remaiks
	(c) Bolting		•	· · · · · · · · · · · · · · · · · · ·
.:Л	229-3305 919-2409	SA 193 Cr. B7 SA 194 Gr. 2H	Victor Products Nuts, Inc.	Marking: "VB7DG" Marking: "2HT_NW8"
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	2 Manufactured for	(h Comer	Same and Address of	$C_{0}$ 175 $\Omega_{1}$	rtner Ave.	San Juse	, Calif.	95125	
-			And Address of	Purchase or Greneri	rtner Ave., , Black Fox	Station	Unit 1, Ir	ola, OK	74036
	3. Location of Installa		Asure suo vooressi		211			2''	
4	4. Pump or Valve .	Rail	valve		Init: Size	nch)	outlet Size		
	(a) Model No	5., (t	b) Manufacturers'	(c) Canadian			(B) 51. 41	(-) Y	
	Series No.	ŗ	Serial	Registration	(d) Drawing	(a) Class	(f) Nat'l. Bd. No.	(g) Year Built	· · · ·
	or Type	. •	No.	No.	No.	(e) Class	Bu. 140.		
	(1) 2" \$603		200-380	./.	CEVA 247.			1980	
	(1) <u>2</u> 5005 (3) <u>CS-E-S6</u>		201-380		CBVA 247			1980 1980	
	(4)		202-380		CBVA 247			1980	
	(5)		203-380		CBVA 247		·	1980	
	(6)	•	204-380		CBVA_247.	<u>, , , , , , , , , , , , , , , , , , , </u>			
	(7)							• ••• • • • • • • • •	
	(8)								
•	(9)								
	(10)					· · · · · · · · · · · · · · · · · · ·			
5	<u></u> .	Fi	lter Deminer (Brief descripti	alizer Ball on of service for whi	Valves ch equipment was der	signed)			•
	· · · · · · · · · · · · · · · · · · ·						600	, .	
6.	. Design Conditions		410 psi	150	*F or Valve Pre	essure Class		(1)	
	-	ሮ	410 nsi at	(Temperature)		**			
	. Cold Working Press	NUIE	410 psi at	100 F.					
8.	. Pressure Retaining								
		Fleces		•			· · · · · · · · · · · · · · · · · · ·		
-	Mark No.		Material	Spec. No.	Manufactu	Jrer	Remark	ks	
-	Mark No.				· · ·				W1548
-	Mark No. (a) Castings 229-C234		SA 216 Gr.	WCB	PRL Indust	ries	Ser.#1079	-9 Ht.#	WJ548
- 2,t	Mark No. (a) Castings 289-0234 225-0624		SA 216 Gr. SA 216 Gr.	WCB	PRL Indust PRL Indust	ries ries	Ser.#1079 Ser.#1079	-9 Ht.7	/WJ748
•	Mark No. (a) Castings 229-0234 229-0624 229-0234		SA 216 Gr. SA 216 Gr. SA 216 Gr.	WCB WCB WCB	PRL Indust PRL Indust PRL Indust	ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht.	WJ748 JJ537
	Mark No. (a) Castings 229-0234 229-0234 229-0224		SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht.	/WJ748 JJ537 /WJ741
et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser. #107	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht	/MJ748 NJ537 /MJ741 . /MJ544
et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	rries rries rries rries rries rries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -64 Ht. -66 Ht. 9-18 Ht -59 Ht. -10 Ht.	MJ748 NJ537 MJ741 MJ7544 MJ759 MJ540
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht -59 Ht. -10 Ht. -68 Ht.	MJ748 NJ537 MJ741 MJ744 MJ759 MJ540 MJ540
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -6 Ht. 9-18 Ht -59 Ht. -10 Ht. -68 Ht. -13 Ht	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -6 Ht. 9-18 Ht -59 Ht. -10 Ht. -68 Ht. -13 Ht	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
t	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
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et et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0624 (b) Forgings		SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. -64 Ht. -4 Ht. -66 Ht. 9-18 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
et et et et	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 (b) Forgings		SA 216 Gr. SA 216 Gr.		PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries	Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079 Ser.#1079	-9 Ht. // -64 Ht. -4 Ht. // -66 Ht. -59 Ht. -10 Ht. -13 Ht -72 Ht. -72 Ht. -13 Lt -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0624 (b) Forgings	ed valves in form of this date	SA 216 Gr. SA 216		PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079 Ser. #1079	-9 Ht. // -64 Ht. -4 Ht. // -66 Ht. -59 Ht. -10 Ht. -68 Ht. -13 Ht. -72 Ht. -72 Ht. -13 Ht. -72 Ht. -13 Ht. -72 Ht. -72 Ht. -72 Ht.	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565
• •	Mark No. (a) Castings 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0234 229-0624 (b) Forgings (b) Forgings For manually operate Supplemental sheets items 1, 2 and 5 on is recorded at top of t	ed valves in form of this date this form	SA 216 Gr. SA 216 Gr.	WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust PRL Indust	ries ries ries ries ries ries ries ries	Ser. #1079 Ser. #1079	-9 Ht. -64 Ht. -4 Ht. -4 Ht. -66 Ht. -59 Ht. -10 Ht. -13 Ht. -72 Ht. -72 Ht. J: 	MJ748 NJ537 MJ741 MJ741 MJ759 MJ540 MJ540 MJ565

		Material Spec. No.	Manufacturer	Remarks
	Mark No.			
{c	c) Bolting		Victor Products	Marking: 'VB7DG'
Jd	229-3305	SA 193 Gr. B7	Nuts, Inc.	Marking: "2HT NW8"
2	919-2409	SA 194 Gr. 24		
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	(d) Othe: Forts +		Rverson	Heat Code:''EGA''
L	229-0746	SA479ypeSIU		
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<u>с</u> и.	vdrostatic test2	225psi.	`````	
3. M	VOIOSIBILE TODI			
Add Sigr	ienda	anna Compeny	by form A Herde	polexpires 5-6-81
Add Sigr	lenda	anna Compeny	by form h. Heide	meich
Add Sigr	ienda	anna Coupeny cturer) uthorization No. N-1037 to	by form A . Herde use the <u>N</u> (N) (NFV)	polexpires 5-6-81
Add Sigr Our	ined	anna Compeny ctureri uthorization No. N-1037 to CERTIFICATION (	by form h . Heide use the <u>N</u> (NEV) DF DESIGN	polexpires 5-6-81
Add Sigr Our Des	ienda(Date) nedHills_MCC (Manufa ASME Certificate of At	anna Compeny cturer uthorization No. N-1037 to CERTIFICATION ( at	by form h . Heide use the <u>N</u> (NEV) DF DESIGN	polexpires 5-6-81
Add Sigr Our Des	ienda(Date) nedHills_MCC (Manufa ASME Certificate of At	anna Compeny ctureri uthorization No. N-1037 to CERTIFICATION (	by form h . Heide use the <u>N</u> (NEV) DF DESIGN	polexpires 5-6-81
Add Sigr Our Des Stre	ign information on file	arma Competity ctureri uthorization NoN-1037 to CERTIFICATION ( atHills_McCanna_Compa ss 1 only) on file atN/A	by film h . Heide use the <u>N</u> symb OF DESIGN	polexpires 5-6-81
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Add Sigr Our Des Stre PE S Stre PE S (1) S	ign information on file as analysis report (Cla ign information on file as analysis report (Cla ign specifications certi StateCalif, ess analysis certified by State Signature not required be undersigned, holdin the State or Province of Icmg Grove, I  reted this pump, or value signing this certificate, equipment described	anna Compensy cturer uthorization No. N-1037 to CERTIFICATION ( at	Def DESIGN Def DE	Tressure Vessel Inspectors Infinition Mitual Casuality in this Data Report on the Manufacturer has con- ted or implied, concerning over shall be fiable in any ted with this inspection.
Add Sigr Our Des Stre PE S Stre PE S (1) S	ign information on file as analysis report (Cla ign information on file as analysis report (Cla ign specifications certi StateCalif ess analysis certified by StateCalif Signature not required. Signature not required. inthe State or Province of Long Grove, I  reted this pump, or value signing this certificate, equipment described ner for any personal in 	arma COMPENTY cturer uthorization No. N-1037 to CERTIFICATION ( at	Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def INSPECTION National Bolafd of Ediler and P and emproved by University and emproved by University Section III. Ber makes any warranty, express her the Inspector nor his emplo any kind arising from cr connec TL - 10	Tressure Vessel Inspectors Infinition Mitual Casuality in this Data Report on the Manufacturer has con- ted or implied, concerning over shall be fiable in any ted with this inspection.
Add Sigr Our Des Stre PE S Stre PE S (1) S	ign information on file as analysis report (Cla ign information on file as analysis report (Cla ign specifications certi StateCalif ess analysis certified by StateCalif Signature not required. Signature not required. ign State or Province of Long Grove, I  reted this pump, or value signing this certificate, equipment described ner for any personal in 	arma COMPETIY cturer! uthorization NoN-1037 to CERTIFICATION ( atHI11s_McCarma_Compa ss 1 only) on file atN/A fied by (1)Reg. No Reg. No (1)N/A Reg. No (1)N/A  List name only. CERTIFICATE OF SH( g a valid commission issued by the of 11inois have inspected th  19_SO, and state that to the bo re, in accordance with the ASME Code neither the Inspector nor his employed in this Data Report. Furthermore, neit njury or property damage or a loss of 19 SO  Commiss	Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def DESIGN Def INSPECTION National Bolafd of Ediler and P and emproved by University and emproved by University Section III. Ber makes any warranty, express her the Inspector nor his emplo any kind arising from cr connec TL - 10	Tressure Vessel Inspectors Infinition Mitual Casuality in this Data Report on the Manufacturer has con- ted or implied, concerning poyer shall be fiable in any ted with this inspection. 88

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• Assigned to: ????

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FOR INFORMATION ONLY

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FORM NPV-1 CI As Re	ERTIFICATE HOLD	ERS' DATA REPORT   visions of the ASME C	FOR NUCLEAR PUMPS ode, Saction III, Divisio	on 1	
				Pg. 1 of	
1. Menufactured and cert	tified byBNL_IN	DUSTRIES, INC., 3	O INDUSTRIAL PARK	ROAD, VERNON,	C <b>T, 06066</b>
PEN		Income and a date	NORTH NINTH ST, J		
2. Manufactured for					
3. Location of installation	SUSQUEHANNA,	5 MI NE OF BERWI		· · · · · · · · · · · · · · · · · · ·	
4. Model No., Series No.,	or TypeVALVE	ABV-A2-0	4-0061 B	CRN	
5. ASME Code, Section I	19 II Decision 1:	74 _	/ 3/		
6. Pump or valveVAI	UVE (1	edition) (eddenda 1/2"	1/2	(Code Case no.)	
		(in.)		m.)	
-7. Material: Body	-105 Bonne	SA-105	SA-479 Ty316 Bot	SA-193GrB7/SA	-194Gr2H 🦯
				•	
is) Cert.	(6)	(a)	(d)	(0)	
Holder's	Nat'i	Body	Bonnet	Disk	
Serial No.	Board No.	Serial	Serial	Seriel	
A000707-2- (1THRU4		No.	No. /	No.	
A000707-2-(1TRR04		N56	M160	P112	
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* Supplemental Information in form of lists, skatches, or drawings may be used provided (1) elcs is 816 × 11, (2) information in items 1 through 4 on this Data Report is included on each sheat, (3) each sheat is numbered and the number of sheats is recorded at the top of this form.

(12/88)

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

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FORM	NPV-1	(Back	-	Pg.	2	of	)
		INNER	_	<b>ry</b> .	4	01	

		Certificate Holder's Serial No	A000707-2-(1THRU4)
	Design conditions pei [present] 1405PSIG @ 150F Cold working pressure psi at	temperature) *F or valve pressure class	NSI 600#
	2225 Hydrostatic test psi. Disk diffe		psi
11.	Remerks:		

	CERTIFICA	TION OF DESIGN	
Design Specification certified byD.h	1. GROVES	PA PE State	24926-E
Design Report certified by		P.E. State	Reg. no

CENTIFICATE OF COMP	LIANCE
We cardify that the statements made in this report are correct and that ti of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization Na	his pump or valve conforms to the rules for construction
Date 09/27/00 BNL INDUSTRIES, INC.	- Signed The mater
(N Cartificata Holder)	Unutharized registentative)

CEAT	FICATE OF INSPECTION
I, the undersigned, holding a valid commission issue the State or Province of <u>CONNECTICUT</u> of BOSTON, MASS	d by the National Board of Boller and Prassure Vessel inspectors and COMMERCIAL UNION INS.
09/27/00	have inspected the pump, or valve, described in this Data Report on the best of my knowledge and basel, the Cartificate Holder has con- SME Code, Section III, Division 1.
By signing this certificate, neither the inspector nor h companent described in this Data Report. Furthermore any personal injury or property damage or a loss of an	is employer makes any warranty, expressed or implied, concerning the 1. neither the inspector nor his employer shall be liable in any menner for y kind arising frem or connected with this inspection.
Date 2-24-24 Signed (Authorized Inspector)	- Commissions NB. 9509 AN CT 1414

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(1) For manually operated valves only.

### 161B-III

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

1. Owner		hanna, LLC.	<u> </u>	Date	0	5/13/2002	
76	9 Salem Blvd, Berwi			Sheet	<u>1</u> o	f 1	
2. Plant	Susquehanna Stea		on	Unit		ONE	
769	Nam Salem Blvd, Berwi				NO # 194	059 & 328635	
3. Work Performed b	Address PPL Sus	squehanna, LL(	D	Re Type Code Sy		on P.O. No., Job No., etc. None	
769	9 Salem Blvd, Berwig			Authorization 1	No	N/A	
	Address			Expiration Date	e	N/A	
4. Identification of S	System	REACTOR	WATER CLE	AN-UP SYSTI	EM 161B,	CLASS III	
5. (a) Applicable Co (b) Applicable Eo	onstruction Code	III* 19 d for Repairs or Re		thru W'72 89	_ Addenda,	Co (* SEE REMAR	ode Case RKS)
6. Identification of C	Components 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 Stamped (Yes or No)
1) PUMP	HAYWOOD TYLER	U12H91820	Ñ/A	1P221A	1992	REPLACED	NO
2) PUMP	HAYWOOD TYLER	U12H91823	N/A	1P221A	1992	REPLACEMENT	NO
3) VALVE (GLAND PLUG)	HAMMEL- DAHL	71-2009-010	N/A	HV144F033	1974	REPLACED	YES
4) VALVE (GLAND PLUG)	PPL	N/A	N/A	HV144F003	2001	REPLACEMENT	NO
		N/A	N/A	HV144FU03	2001		

7. Description of Work

1P221A, REPLACED PUMP WITH SPARE. HV144F033 REPLACED GLAND PLUG.

Hydrostatic 8. Tests Conducted: Pneumatic Nominal Operating Pressure SEE REMARKS Other Pressure psi Test Temp. °F

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

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

#### FORM NIS-2 (Back)

# 9. Remarks APPLICABLE CODES OF CONSTRUCTION: HAYWOOD TYLER 1968 ASME DRAFT PUMP Applicable Manufacturer's Data Reports to be attached

# & VALVE CODE. HAMMEL-DAHL '71 EDITION CC 1388.

### TESTING 1P221A: VT-2 PER SE-000-017 1225 PSIG & TEMP 525°F. VALVE HV144F033 NON VT-2

#### PER MI-PS-008.

CERTIFICATI	ION OF COMPLIANCE
We certify that the statements made in the report are co ASME Code, Section XI.	orrect and this <b>REPLACEMENT</b> conforms to the rules of the repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
Signed Owners Designee, Title Supv Site Modificatio	Date Man 31, 2002
CERTIFICATION O	OF INSERVICE INSPECTION
and employed by JOHNSTON, RHODE ISLAND and employed by JOHNSTON, RHODE ISLAND and this Owner's Report during the period <u>2-1-00</u> by the best of my knowledge and belief, the Owner has perform Owner's Report in accordance with the requirements of the AS By signing this certificate neither the Inspector nor his employed in this Owner hall be liable in any manner for any personal injury or property ispection.	National Board of Boiler and Pressure Vessel Inspectors and the State y <u>FACTORY MUTUAL INSURANCE CO.</u> of have inspected the components described to $\underline{\varsigma} - \underline{\varphi} - \underline{\varrho}I$ , and state that med examinations and taken corrective measures described in this SME Code, Section XI. loyer makes any warranty, expressed or implied, concerning the er's Report. Furthermore, neither the Inspector nor his employer by damage or a loss of any kind arising from or connected with this commissions/NB8845 Alv/IB/NS Pa236

#### 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	5/15/2002	
	769 Sa	Nan Alem Blvd, Berwic Address			Sheet	<u>1</u> 01	f22	
2. Plant	Su	squehanna Stear		on <b>^</b>	Unit		ONE	
	769 Sa	Name Iem Blvd, Berwie	-				EET(S) 19-21	
3. Work Perfe		Address PPL Sus		2	Type Code S		on P.O. No., Job No., etc.	
	769 Sa	alem Blvd, Berwic	k, PA 18603		Authorization	No	N/A	
		Address			Expiration Da	te	N/A	
4. Identificat	ion of Syste	m	REA	CTOR VESSI	EL SYSTEM 1	62A, CLA	SSI	
(b) Appli	cable Editior	uction Code n of Section XI Utilize onents Repaired or F	d for Repairs or Re	placements 19	89	Addenda CC N416	, Co -1 & N496-1 (* See F	ode Case Page 22)
Nam	ne of conent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) VALVE		YARWAY	A0037	N/A	HV141F001	1977	REPLACED	YES
2) VALVE		FLOWSERVE	E949A-1-1	N/A	HV141F001	2000	REPLACEMENT	YES
3) VALVE		YARWAY	A0036	N/A	HV141F002	1977	REPLACED	YES
4) VALVE		FLOWSERVE	E949A-1-6	N/A	HV141F002	2000	REPLACEMENT	YES
5) VALVE		YARWAY	A0035	N/A	HV141F005	1977	REPLACED	YES
6) VALVE		FLOWSERVE	E949A-1-5	N/A	HV141F005	2000	REPLACEMENT	YES
7) SMALL	PIPE	BECHTEL	N/A	N/A	SPDBA112-1	1982	REPLACED	YES

7. Description of Work			. <u></u>	SEE SHEE	T(S) 19-21		······································
8. Tests Conducted:	Hydrostatic Other	Pneumatic Pressure	,	Nominal Opera _psi Test Ter	np*	*F	SEE SHEET(S) 19-21

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.

SUBASSEMBLY

### FORM NIS-2 (Back)

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9. Remarks	CODE DATA REPORT(S) ATTACHED
	Apolicable Manufacturer's Data Reports to be attached

CERTIFICATION OF	COMPLIANCE
We certify that the statements made in the report are correct and	this REPAIR & conforms to the rules of the REPLACEMENT
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A Ex	piration N/A
Signed	Date May 31 , 2002
JOHNSTON, RHODE ISLAND in this Owner's Report during the period to the best of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASME Code By signing this certificate neither the Inspector nor his employer make examinations and corrective measures described in this Owner's Report shall be liable in any manner for any personal injury or property damage inspection.	CTORY MUTUAL INSURANCE CO. of have inspected the components described to <u>4-21-02</u> , and state that nations and taken corrective measures described in this Section XI. s any warranty, expressed or implied, concerning the Furthermore, neither the Inspector nor his employer

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

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1. Owner	PPL Susc	uehanna, LLC _{Name}			Date		05/15	/2002
	769 Salem Blvd, Ber Address	wick, PA 18603	3		Sheet	2	of	22
2. Plant	Susquehanna St	eam Electric Sta _{Name}	ation		Unit		0	NE
	769 Salem Blvd, Be	wick, PA 1860	3			SEE	E SHEET(	S) 19-21
	Address					Repair Or	ganization P.O.	No., Job No., etc.
3. Work Per	formed by PPL	Susquehanna, L	LC		Type Code	e Symbol	Stamp	None
	769 Salem Blvd, Ber	Name wick PA 18603	ł		Authorizati	ion No		N/A
	Address	WICK, I A 10000			Authorizati			
					Expiration	Date		N/A
4. Indentific	cation of System	RE	ACTOR	VESSE	LSYSTE	<u> 162A,</u>	CLASS I	
	icable Construction Code		19 71 Replaceme	Edition, ents 19	thru W'7 89	/ 10	denda, 2 N416-1 & N	Code Case 1496-1 (* See Page 22)
6. Identifica	ation of Components Repaired	or Replaced and Re	eplacement	Compone	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)
8)	SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPDBA112-1	2002	REPLACEMENT	NO
9)	SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBA-112-H6	1982	REPAIRED	NO
10)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0087	N/A	PSV 141F013B	1981	REPAIRED	YES
11)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0087 (VALVE)	N/A	PSV 141F013B	1981	REPLACED	YES
12)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-37-0044 (DISC INSERT)	N/A	PSV 141F013B	2001	REPLACEMENT	YES
13) (SPI		CROSBY	N63790-00- 0087 (VALVE)	N/A	PSV 141F013B	1981	REPLACED	YES
14)	MAIN STEAM RELIEF VALVE NDLE)	CROSBY	K82137-55- 0086	N/A	PSV 141F013B	2001	REPLACEMENT	YES
	MAIN STEAM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0087	N/A	PSV 141F013B	1981	REPLACED	YES
16)	MAIN STEAM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV 141F013B	2001	REPLACEMENT	NO
17)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0022	N/A	PSV 141F013B	1980	REPLACED	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	Susquehanna, _{Name}	LLC			Date		05/15	6/2002	
	769 Salem Blvd	, Berwick, PA	18603			Sheet	3	of	22	
2. Plant	Susquehanr	Name	ric Statio	n		Unit		0	NE	
	769 Salem Blvd	Berwick, PA	18603					SHEET	S) 19-21	
3. Work Perl	ormed byF	PPL Susqueha Name	nna, LLC			Type Code \$	Symbol	Stamp	None	)
	769 Salem Blvd	, Berwick, PA	18603		<u> </u>	Authorizatio	n No.		N/A	
						Expiration D	ate		N/A	
4. Indentific	ation of System		REAC	TOR	VESSE	L SYSTEM	162A,	CLASS I		
(b) Appli	cable Construction Code cable Edition of Section tion of Components Rep	XI Utilized for Rep	pairs or Rep		ients 19	thru W'72 89 ents		denda, N416-1 & I	C N496-1 (* See	ode Case Page 22)

	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)
18)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0087	N/A	PSV 141F013B	1981	REPLACEMENT	YES
19)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0087	N/A	PSV 141F013B	1981	REPLACED	YES
20)	MAIN STEAM RELIEF VALVE (NUTS)	PPL	N/A	N/A	PSV 141F013B	2002	REPLACEMENT	NO
21)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0113	N/A	PSV 141F013D	1981	REPAIRED	YES
22)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0113 (VALVE)	N/A	PSV 141F013D	1981	REPLACED	YES
23)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36-0039 (DISC INSERT)	N/A	PSV 141F013D	2001	REPLACEMENT	YES
24)	MAIN STEAM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0113 (VALVE)	N/A	PSV 141F013D	1981	REPLACED	YES
25)	MAIN STEAM RELIEF VALVE (SPINDLE)	CROSBY	K82137-55-0085 (SPINDLE)	N/A	PSV 141F013D	2001	REPLACEMENT	YES
26)	MAIN STEAM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0113 (VALVE)	N/A	PSV 141F013D	1981	REPLACED	YES
27)	MAIN STEAM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV 141F013D	2001	REPLACEMENT	NO

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

1. Owner		PPL Susquehanna, Name			Date		05/15	/2002
	769 Salem	Blvd, Berwick, PA	18603		Sheet _	4	of	22
2. Plant	Susque	ehanna Steam Elec	tric Station		Unit		0	NE
	769 Salem	Blvd, Berwick, PA	18603				SHEET(	S) 19-21 No., Job No., etc.
3. Work Perfo	ormed by	PPL Susqueha	anna, LLC		Type Code	e Symbol	Stamp	None
	769 Salem	Blvd, Berwick, PA	18603		Authorizat	ion No.		N/A
		Address			Expiration	Date		N/A
4. Indentifica	ation of System		REACTO	R VESSE	L SYSTE	M 162A,	CLASS I	·····
	able Constructio	n Code III * section XI Utilized for Re	19 _7 pairs or Replace	Edition, ments 19	thru W" 89	/	denda, _* N416-1 & I	Code Case N496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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	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)
28)	MAIN STEAM RELIEF VALVE (HELICOIL INSTALLATION)	CROSBY	N63790-00- 0113 HT # A2973H HELICOIL	N/A	PSV 141F013D	2001	REPAIRED	NO
29)		CROSBY	N63790-00- 0128	N/A	PSV 141F013D	1982	REPLACED	YES
30)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0113	N/A	PSV 141F013D	1981	REPLACEMENT	YES
31)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0113 (VALVE)	N/A	PSV 141F013D	1981	REPLACED	YES
32)		PPL	N/A	N/A	PSV 141F013D	2002	REPLACEMENT	NO
33)		CROSBY	N63790-00- 0021	N/A	PSV 141F013J	1980	REPAIRED	YES
34)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0021 (VALVE)	N/A	PSV 141F013J	1980	REPLACED	YES
35)		CROSBY	N97499-37-0049 (DISC INSERT)	N/A	PSV 141F013J	2001	REPLACEMENT	YES
36)		CROSBY	N63790-00- 0021 (VALVE)	N/A	PSV 141F013J	1980	REPLACED	YES
37)		CROSBY	K82137-55- 0089 (SPINDLE)	N/A	PSV 141F013J	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 Susquehanna, LLC Name	Date	C	05/15/2002
<u>.,</u>	769 Salem Blvd, Berwick, PA 1860 Address	03 Sheet	50	f22
2. Plant	Susquehanna Steam Electric S	tation Unit	<u></u>	ONE
	769 Salem Blvd, Berwick, PA 186	03		EET(S) 19-21
3. Work Per	formed by PPL Susquehanna,	LLC Туре	Code Symbol Stamp	None None
	769 Salem Blvd, Berwick, PA 1860	03 Autho	rization No.	N/A
	Address	Expira	ation Date	N/A
4 Indentific	cation of System	EACTOR VESSEL SYS	TEM 162A, CLA	ASS I
5. (a) Appl	icable Construction Code III *	19 71 Edition, thru	W'72 Addenda	•

6. Identification of Components Repaired or Replaced and Replacement Components

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	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)
38)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0027	N/A	PSV 141F013J	1980	REPLACED	YES
39)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0021	N/A	PSV 141F013J	1980	REPLACEMENT	YES
40)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0021 (VALVE)	N/A	PSV 141F013J	1980	REPLACED	YES
41)	MAIN STEAM RELIEF VALVE (NUTS)	PPL	N/A	N/A	PSV 141F013J	2002	REPLACEMENT	NO
42)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0131	N/A	PSV 141F013K	1982	REPAIRED	YËS
43)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0131 (VALVE)	N/A	PSV 141F013K	1982	REPLACED	YES
44)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-37-0048 (DISC INSERT)	N/A	PSV 141F013K	2001	REPLACEMENT	YES
45)	MAIN STEAM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0131 (VALVE)	N/A	PSV 141F013K	1982	REPLACED	YES
46)	MAIN STEAM RELIEF VALVE (SPINDLE)	CROSBY	K82137-45- 0047 (SPINDLE)	N/A	PSV 141F013K	1998	REPLACEMENT	YES
47)	MAIN STEAM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0131 (VALVE)	N/A	PSV 141F013K	1982	REPLACED	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 Susquehanna	, LLC		Date		05/15/	2002
	769 Saler	m Blvd, Berwick, PA	18603		Sheet	6	of	22
2. Plant	Susqu	uehanna Steam Elec	tric Station		Unit		0	IE
	769 Saler	n Blvd, Berwick, PA	18603				SHEET(	S) 19-21 No., Job No., elc.
3. Work Perf	formed by	PPL Susqueha	anna, LLC	<u> </u>	Type Code	e Symbol	Stamp	None
	769 Saler	m Blvd, Berwick, PA	18603		Authorizat	ion No.		N/A
		Auress			Expiration	Date		N/A
4. Indentific	ation of System		REACT	OR VESSE		M 162A,	CLASS I	
	cable Constructi	on Code <u>III *</u> Section XI Utilized for Re	19 pairs or Repla	71 Edition, icements 19	thru W" 89	/0	denda, <u>*</u> 3 N416-1 & N	Code Case 1496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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	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)
48)	MAIN STEAM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV 141F013K	2001	REPLACEMENT	NO
49)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0020	N/A	PSV 141F013K	1980	REPLACED	YES
50)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0131	N/A	PSV 141F013K	1982	REPLACEMENT	YES
51)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0131 (VALVE)	N/A	PSV 141F013K	1982	REPLACED	YES
52)		PPL	N/A	N/A	PSV 141F013K	2002	REPLACEMENT	NO
53)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0081	N/A	PSV 141F013L	1982	REPAIRED	YES
54)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0081 (VALVE)	N/A	PSV 141F013L	1982	REPLACED	YES
55)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-37-0050 (DISC INSERT)	N/A	PSV 141F013L	2001	REPLACEMENT	YES
56)		CROSBY	N63790-00- 0019	N/A	PSV 141F013L	1980	REPLACED	YES
57)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0081	N/A	PSV 141F013L	1982	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 Susquehanna, LLC	Date	05/1	5/2002
	769 Salem Blvd, Berwick, PA 18603	Sheet	7 of	22
2. Plant	Susquehanna Steam Electric Station	Unit	0	NE
	769 Salem Blvd, Berwick, PA 18603		SEE SHEET	
3. Work Perl	formed by PPL Susquehanna, LLC	Type Code Sy	mbol Stamp	None
	769 Salem Blvd, Berwick, PA 18603	Authorization N	No	N/A
		Expiration Date	e	N/A
4. Indentific	ation of System REACTOR VES	SEL SYSTEM 1	62A, CLASS	l
	cable Construction Code III * 19 71 Edition icable Edition of Section XI Utilized for Repairs or Replacements 19	· · · · · · · · · · · · · · · · · · ·	_ Addenda, _ CC N416-1 &	Code Case N496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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	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)
58)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0081 (VALVE)	N/A	PSV 141F013L	1982	REPLACED	YES
59)	MAIN STEAM RELIEF VALVE (NUTS)	PPL	N/A	N/A	PSV 141F013L	2002	REPLACEMENT	NO
60)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0028	N/A	PSV 141F013N	1980	REPAIRED	YES
61)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0028 (VALVE)	N/A	PSV 141F013N	1980	REPLACED	YES
62)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36-0038 (DISC INSERT)	N/A	PSV 141F013N	2001	REPLACEMENT	YES
63)	MAIN STEAM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0028 (VALVE)	N/A	PSV 141F013N	1980	REPLÁCED	YES
64)		PPL	N/A	N/A	PSV 141F013N	2001	REPLACEMENT	NO
65)		CROSBY	N63790-00- 0133	N/A	PSV 141F013N	1982	REPLACED	YES
66)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0028	N/A	PSV 141F013N	1980	REPLACEMENT	YES
67)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0028 (VALVE)	N/A	PSV 141F013N	1980	REPLACED	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	ehanna, LLC		Date	0	5/15/2002	
	769 Sa	llem Blvd, Berwi			Sheet	<u>8</u> of	22	
2. Plant	Sus	squehanna Stea		on	Unit		ONE	
	769 Sal	Nam Iem Blvd, Berwi	-			SEE SHE	EET(S) 19-21	
		Address			Re	epair Organizatio	on P.O. No., Job No., etc.	
3. Work Pe	rformed by _	PPL Su	squehanna, LL( _{Name}	0	Type Code Sy	mbol Stamp	None	
	769 Sa	lem Blvd, Berwi	ck, PA 18603		Authorization I	No	N/A	
		A000033			Expiration Date	e	N/A	
4. Indentifi	cation of Syste	em	REAG	CTOR VESS	EL SYSTEM 1	62A, CLA	SS I	
5. (a) App	licable Constru	uction Code	19	71 Edition	, thru W'72	_ Addenda,	, <u> </u>	
(b) App	licable Edition	of Section XI Utilize	ed for Repairs or Re	eplacements 19	89	_ CC N416	-1 & N496-1 (* See I	Page 22)
6. Identifica	ation of Compo	onents Repaired or I	Replaced and Repla	acement Compo	nents			
								ASME Code
	me of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamped (Yes or No)
68) MAIN	STEAM	PPL		N/A	PSV 141F013N	2002	REPLACEMENT	NO
	EF VALVE							
69) MAIN RELIE	STEAM EF VALVE	CROSBY	N63790-00- 0089	N/A	PSV 141F013R	1981	REPAIRED	YES
	STEAM EF VALVE SINSERT)	CROSBY	N63790-00- 0089 (VALVE)	N/A	PSV 141F013R	1981	REPLACED	YES
71) MAIN RELI		CROSBY	N97499-37-0047 (DISC INSERT)	N/A	PSV 141F013R	2001	REPLACEMENT	YES
72) MAIN	STEAM EF VALVE	CROSBY	N63790-00- 0089 (VALVE)	N/A	PSV 141F013R	1981	REPLACED	YES
73) MAIN	STEAM EF VALVE	CROSBY	K82137-55- 0090 (SPINDLE)	N/A	PSV 141F013R	2001	REPLACEMENT	YES
74) MAIN	STEAM EF VALVE	CROSBY	N63790-00- 0089 (VALVE)	N/A	PSV 141F013R	1981	REPLACED	YES
75) MAIN	STEAM EF VALVE	CROSBY	N93184-57- 0176 (NOZZLE)	N/A	PSV 141F013R	1998	REPLACEMENT	YES
76) MAIN RELIE	STEAM F VALVE	CROSBY	N63790-00- 0089 (VALVE)	N/A	PSV 141F013R	1981	REPLACED	YES
		PPL	N/A	N/A	PSV 141F013R	2001	REPLACEMENT	NO

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

1. Owner		PPL Susquehanna	, LLC	_ Date		05/15	/2002
	769 Sale	m Blvd, Berwick, PA	18603	Sheet	9	of	22
2. Plant	Susqu	Address Jehanna Steam Elec	tric Station	Unit		10	NE
	769 Saler	Name n Blvd, Berwick, PA Address	18603			SHEET(	S) 19-21 No., Job No., etc.
3. Work Perfe	ormed by	PPL Susqueha	anna, LLC	_ Type Cod	e Symbol	Stamp	None
	769 Salei	n Blvd, Berwick, PA	18603	Authorizat	ion No.		N/A
		Address		Expiration	Date		N/A
4. Indentifica	ation of System	*****	REACTOR VI	ESSEL SYSTE	<u>M 162A,</u>	CLASS I	<u></u>
	cable Constructi	on Code Section XI Utilized for Re		dition, <u>thru W</u>	/\u	denda, N416-1 & N	Code Case N496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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					And a second			
	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)
78)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0112	N/A	PSV 141F013R	1981	REPLACED	YES
79)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0089	N/A	PSV 141F013R	1981	REPLACEMENT	YES
80)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0089 (VALVE)	N/A	PSV 141F013R	1981	REPLACED	YES
81)	MAIN STEAM RELIEF VALVE (NUTS)	PPL	N/A	N/A	PSV 141F013R	2002	REPLACEMENT	NO
82)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0088	N/A	PSV 141F013S	1981	REPAIRED	YES
83)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0088 (VALVE)	N/A	PSV 141F013S	1981	REPLACED	YES
84)	MAIN STEAM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-37-0046 (DISC INSERT)	N/A	PSV 141F013S	2001	REPLACEMENT	YES
85)	MAIN STEAM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0088 (VALVE)	N/A	PSV 141F013S	1981	REPLACED	YES
86)	MAIN STEAM RELIEF VALVE (SPINDLE)	CROSBY	K82137-55- 0087 (SPINDLE)	N/A	PSV 141F013S	2001	REPLACEMENT	YES
87)	MAIN STEAM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0088 (VALVE)	N/A	PSV 141F013S	1981	REPLACED	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 Susquehanna, LLC	Date	05/15/2002
	769 Salem Blvd, Berwick, PA 18603	Sheet 10	of 22
2. Plant	Susquehanna Steam Electric Station	Unit	ONE
	769 Salem Blvd, Berwick, PA 18603		SHEET(S) 19-21 anization P.O. No., Job No., etc.
3. Work Pe	rformed by PPL Susquehanna, LLC	Type Code Symbol S	Stamp None
	769 Salem Blvd, Berwick, PA 18603	Authorization No.	N/A
		Expiration Date	N/A
4. Indentifi	cation of System REACTOR VES	SEL SYSTEM 162A,	CLASS I
	licable Construction Code <u>III *</u> 19 <u>71</u> Edition Dicable Edition of Section XI Utilized for Repairs or Replacements 19		enda, Code Case N416-1 & N496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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	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)
88)	MAIN STEAM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV 141F013S	2001	REPLACEMENT	NO
89)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0130	N/A	PSV 141F013S	1982	REPLACED	YES
90)	MAIN STEAM RELIEF VALVE	CROSBY	N63790-00- 0088	N/A	PSV 141F013S	1981	REPLACEMENT	YES
91)	MAIN STEAM RELIEF VALVE (NUTS)	CROSBY	N63790-00- 0088 (VALVE)	N/A	PSV 141F013S	1981	REPLACED	YES
92)	MAIN STEAM RELIEF VALVE (NUTS)	PPL	N/A	N/A	PSV 141F013S	2002	REPLACEMENT	NO
93)	CONTROL ROD DRIVE	GE	5643	N/A	22-39 (CORE LOC.)	1974	REPLACED	YES
94)	CONTROL ROD DRIVE	GE	A4495	N/A	22-39 (CORE LOC.)	1981	REPLACEMENT	YES
95)	CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	22-39 (CORE LOC.)	1981	REPLACED	NO
96)	CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	22-39 (CORE LOC.)	2002	REPLACEMENT	NO
97)	CONTROL ROD DRIVE	GE	A4552	N/A	02-39 (CORE LOC.)	1981	REPLACED	YES
98)	CONTROL ROD DRIVE	GE	8230	N/A	02-39 (CORE LOC.)	1981	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			Da	ate		05	/15/2002		
	769 Salem Blvd, Berwi Address			Sh	neet	11	of	2	22	
2. Plant	Susquehanna Stea		n	Ur	nit			ONE		
	769 Salem Blvd, Berwi Address	ck, PA 18603						ET(S) 19-21 P.O. No., Job No.,		
3. Work Per	formed by PPL Su	squehanna, LLC	;	Ту	vpe Code S	ymbol S	Stamp	N	one	
	769 Salem Blvd, Berwi Address	ck, PA 18603		Au	uthorization	No.		<u>N/A</u>		
				Ex	piration Da	ate	,	<u>N/A</u>		
4. Indentifie	cation of System	REAC		SSEL S	YSTEM	1 <u>62A,</u>	CLAS	S I		
5. (a) Appl (b) App	icable Construction Code licable Edition of Section XI Utilize	ed for Repairs or Rep	placements	19 89			lenda, N416-1	*   & N496-1 (* \$		e Case ge 22)
r		1								40115

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)
99) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	02-39 (CORE LOC.)	1981	REPLACED	NO
100) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	02-39 (CORE LOC.)	2002	REPLACEMENT	NO
101) CONTROL ROD DRIVE	GE	A4540	N/A	06-43 (CORE LOC.)	1981	REPLACED	YES
102) CONTROL ROD DRIVE	GE	7776	N/A	06-43 (CORE LOC.)	1978	REPLACEMENT	YES
103) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	06-43 (CORE LOC.)	1981	REPLACED	NO
104) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	06-43 (CORE LOC.)	2002	REPLACEMENT	NO
105) CONTROL ROD DRIVE	GE	8224	N/A	18-11 (CORE LOC.)	1978	REPLACED	YES
106) CONTROL ROD DRIVE	GE	8500	N/A	18-11 (CORE LOC.)	1978	REPLACEMENT	YES
107) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	18-11 (CORE LOC.)	1981	REPLACED	NO
108) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	18-11 (CORE LOC.)	2002	REPLACEMENT	NO
109) CONTROL ROD DRIVE	GE	8171	N/A	22-19 (CORE LOC.)	1978	REPLACED	YES

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

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1. Owner	PPL Susq	uehanna, l _{Name}	LC		<u> </u>	Date		05/1	15/2002	
	769 Salem Blvd, Ber Address	wick, PA 1	8603			Sheet	12	of	2	2
2. Plant _	Susquehanna Ste	eam Electri	ic Statior	1		Unit		(	ONE	
	769 Salem Blvd, Ber Address	wick, PA	8603						T(S) 19-21	IC.
3. Work Perf	formed by PPL S	Susquehan Name	na, LLC			Type Code	Symbol S	Stamp _	No	ne
	769 Salem Blvd, Ben Address	wick, PA 1	8603			Authorizati	on No		N/A	
						Expiration	Date		N/A	
4. Indentific	ation of System		REAC	TOR	VESSEL	SYSTEM	<u>/ 162A,</u>	CLASS	<u> </u>	
	cable Construction Code	III * ized for Repa		71 aceme	Edition, ents 19	thru W'7 89		lenda, N416-1 a	* & N496-1 (* S	Code Case ee Page 22)
6. Identifica	tion of Components Repaired o	or Replaced a	and Replac	ement	Compone	nts				

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)
110) CONTROL ROD DRIVE	GE	9137	N/A	22-19 (CORE LOC.)	1978	REPLACEMENT	YES
111) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	22-19 (CORE LOC.)	1981	REPLACED	NO
112) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	22-19 (CORE LOC.)	2002	REPLACEMENT	NO
113) CONTROL ROD DRIVE	GE	8160	N/A	22-31 (CORE LOC.)	1978	REPLACED	YES
114) CONTROL ROD DRIVE	GE	9217	N/A	22-31 (CORE LOC.)	1978	REPLACEMENT	YES
115) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	22-31 (CORE LOC.)	1981	REPLACED	NO
116) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	22-31 (CORE LOC.)	2002	REPLACEMENT	NO
117) CONTROL ROD DRIVE	GE	A3980	N/A	26-15 (CORE LOC.)	1981	REPLACED	YES
118) CONTROL ROD DRIVE	GE	A1045	N/A	26-15 (CORE LOC.)	1978	REPLACEMENT	YES
119) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	26-15 (CORE LOC.)	1981	REPLACED	NO
120) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	26-15 (CORE LOC.)	2002	REPLACEMENT	NO

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

1. Owner		PPL Susquehanna	, LLC		Date		05/15/	/2002
	769 Saler	n Blvd, Berwick, PA	18603		Sheet _	13	of	22
2. Plant -	Susqu	iehanna Steam Elec	tric Station		Unit		10	IE
	769 Salen	n Blvd, Berwick, PA	18603				SHEET(	S) 19-21 No., Job No., etc.
3. Work Perf	formed by	PPL Susqueha	anna, LLC		Type Cod	e Symbol S	Stamp	None
	769 Saler	n Blvd, Berwick, PA	18603		Authorizal	lion No.		N/A
		houress			Expiration	Date		N/A
4. Indentifica	ation of System		REACTO	R VESSE	L SYSTE	M 162A,	CLASS I	
	cable Construction of	on Code <u>III *</u> Section XI Utilized for Re	19 pairs or Replace		thru W' 89	/ .00	lenda, N416-1 & N	Code Case 496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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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)
121) CONTROL ROD DRIVE	GE	A8834	N/A	06-31 (CORE LOC.)	1990	REPLACED	YES
122) CONTROL ROD DRIVE	GE	9475	N/A	06-31 (CORE LOC.)	1978	REPLACEMENT	YES
123) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	06-31 (CORE LOC.)	1981	REPLACED	NO
124) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	06-31 (CORE LOC.)	2002	REPLACEMENT	NO
125) CONTROL ROD DRIVE	GE	8811	N/A	26-35 (CORE LOC.)	1978	REPLACED	YES
126) CONTROL ROD DRIVE	GE	7295	N/A	26-35 (CORE LOC.)	1978	REPLACEMENT	YES
127) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	26-35 (CORE LOC.)	1981	REPLACED	NO
128) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	26-35 (CORE LOC.)	2002	REPLACEMENT	NÖ
129) CONTROL ROD DRIVE	GE	A5602	N/A	26-51 (CORE LOC.)	1981	REPLACED	YES
130) CONTROL ROD DRIVE	GE	A5621	N/A	26-51 (CORE LOC.)	1981	REPLACEMENT	YES
131) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	26-51 (CORE LOC.)	1981	REPLACED	NO

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

1. Owner		PPL Susquehanna Name	, LLC	Date		05/15/	2002
	769 Salei	m Blvd, Berwick, PA	18603	Sheet	14	of	22
2. Plant	Susqu	uehanna Steam Elec	tric Station	Unit		ON	IE
	769 Saler	n Blvd, Berwick, PA	18603			E SHEET(S	•
3. Work Per	formed by	PPL Susqueha	anna, LLC	Туре (	Code Symbol	Stamp	None
	769 Saler	m Blvd, Berwick, PA	18603	Author	rization No.		N/A
				Expira	tion Date		N/A
4. Indentific	cation of System		REACTOR V	ESSEL SYS	TEM 162A,	CLASS I	<u> </u>
		ion Code III * Section XI Utilized for Re				denda, N416-1 & N	Code Case 496-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

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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)
132) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	26-51 (CORE LOC.)	2002	REPLACEMENT	NO
133) CONTROL ROD DRIVE	GE	7608B	N/A	42-59 (CORE LOC.)	1978	REPLACED	YES
134) CONTROL ROD DRIVE	GE	8505	N/A	42-59 (CORE LOC.)	1984	REPLACEMENT	YES
135) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	42-59 (CORE LOC.)	1981	REPLACED	NO
136) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	42-59 (CORE LOC.)	2002	REPLACEMENT	NO
137) CONTROL ROD DRIVE	GE	9313	N/A	30-15 (CORE LOC.)	1978	REPLACED	YES
138) CONTROL ROD DRIVE	GE	8473	N/A	30-15 (CORE LOC.)	1978	REPLACEMENT	YES
139) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	30-15 (CORE LOC.)	1981	REPLACED	NO
140) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	30-15 (CORE LOC.)	2002	REPLACEMENT	NO
141) CONTROL ROD DRIVE	GE	A2105	N/A	30-47 (CORE LOC.)	1981	REPLACED	YES
142) CONTROL ROD DRIVE	GE	8864	N/A	30-47 (CORE LOC.)	1978	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 Susquehanna		Date		05/15/2002				
	769 Salem	Blvd, Berwick, PA	18603		Sheet _	15	of	22		
2. Plant	2. Plant Susquehanna Steam Electric Station				Unit	ONE				
	769 Salem Blvd, Berwick, PA 18603					SEE SHEET(S) 19-21 Repair Organization P.O. No., Job No., etc.				
3. Work Pe	3. Work Performed by PPL Susquehanna, LLC				Type Code	None				
	769 Salem	Name Blvd, Berwick, PA	18603		Authorizat	ion No.		N/A		
		Address			Expiration	Date		N/A		
4. Indentifi	cation of System		REACTO	R VESSEI	L SYSTE	M 162A,	CLASS I			
	licable Constructio licable Edition of S	n Code III * ection XI Utilized for Re	1971 pairs or Replace		thru W'7 89	/ 100	lenda, <u>*</u> N416-1 & N	Code Case 496-1 (* See Page 22)		

6. Identification of Components Repaired or Replaced and Replacement Components

	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)
ſ	143) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	30-47 (CORE LOC.)	1981	REPLACED	NO
-	144) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	30-47 (CORE LOC.)	2002	REPLACEMENT	NO
	145) CONTROL ROD DRIVE	GE	7911	N/A	42-39 (CORE LOC.)	1978	REPLACED	YES
	146) CONTROL ROD DRIVE	GE	A3986	N/A	42-39 (CORE LOC.)	1981	REPLACEMENT	YES
	147) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	42-39 (CORE LOC.)	1981	REPLACED	NO
	148) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	42-39 (CORE LOC.)	2002	REPLACEMENT	NO
ľ	149) CONTROL ROD DRIVE	GE	9323	N/A	46-23 (CORE LOC.)	1978	REPLACED	YES
-	150) CONTROL ROD DRIVE	GE	A4322	N/A	46-23 (CORE LOC.)	1982	REPLACEMENT	YES
	151) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	46-23 (CORE LOC.)	1981	REPLACED	NO
	152) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	46-23 (CORE LOC.)	2002	REPLACEMENT	NO
	153) CONTROL ROD DRIVE	GE	7800	N/A	46-31 (CORE LOC.)	1978	REPLACED	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 Susq	uehanna, _{Name}	LLC	<u> </u>		Date			/15/2002	
	769 Saler	n Blvd, Ber Address		18603		_	Sheet _	16	of	2	2
2. Plant	Susqu	ehanna St	eam Elec	tric Statior	۱ <u> </u>	. <u></u>	Unit		(	ONE	<u> </u>
	769 Salen	Bivd, Ber Address		18603						T(S) 19-21	elc.
3. Work Per	rformed by	PPL S	Susqueha Name	inna, LLC			Type Cod	e Symbol S	Stamp _	No	one
	769 Saler	n Blvd, Ber	wick, PA	18603			Authorizat	tion No.		N/A	
		, identities					Expiration	Date	_	N/A	
4. Indentific	cation of System	<u></u>		REAC		/ESSEL	SYSTE	M 162A,	CLASS	i I	
	licable Construction		III * lized for Rej			Edition, nts 19 _	thru W ^r 89		denda, _ N416-1 &	* 3 N496-1 (* S	Code Case ee Page 22)
6. Identifica	ation of Compone	nts Repaired	or Replaced	and Replac	ement	Compone	nts				

ASME Code National Repaired, Stamped Replaced, or Board Manufacturer Other Year Name of Name of (Yes or Replacement No. Component Manufacturer Serial No. Identification Built No) REPLACEMENT YES GE 8467 N/A 46-31 1978 154) CONTROL ROD (CORE LOC.) DRIVE NO 46-31 1981 REPLACED 155) CONTROL ROD GE N/A N/A (CORE LOC.) DRIVE (BOLTS) 156) CONTROL ROD PP&L N/A N/A 46-31 2002 REPLACEMENT NO (CORE LOC.) DRIVE (8 BOLTS) 22-15 REPLACED YES 157) CONTROL ROD GE A4225 N/A 1981 DRIVE (CORE LOC.) YES 22-15 1978 REPLACEMENT 158) CONTROL ROD GE 7136 N/A (CORE LOC.) DRIVE NO 159) CONTROL ROD GE N/A N/A 22-15 1981 REPLACED (CORE LOC.) DRIVE (BOLTS) NO PP&L 2002 REPLACEMENT 160) CONTROL ROD 22-15 N/A N/A DRIVE (8 BOLTS) (CORE LOC.) YES 161) CONTROL ROD GE 8440 N/A 46-39 1978 REPLACED (CORE LOC.) DRIVE 162) CONTROL ROD 46-39 REPLACEMENT YES GE 9418 N/A 1978 DRIVE (CORE LOC.) REPLACED NO 1981 163) CONTROL ROD 46-39 GE N/A N/A DRIVE (BOLTS) (CORE LOC.) 164) CONTROL ROD PP&L N/A N/A 46-39 2002 REPLACEMENT NO (CORE LOC.) DRIVE (8 BOLTS)

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

1. Owner	PPL Susquehanna, LLC	Date	05/15/2002			
	769 Salem Blvd, Berwick, PA 18603	Sheet17	of22			
2. Plant	Susquehanna Steam Electric Station	Unit	ONE			
	769 Salem Blvd, Berwick, PA 18603		SEE SHEET(S) 19-21 Repair Organization P.O. No., Job No., etc.			
3. Work Per	rformed by PPL Susquehanna, LLC	Type Code Symbo	I Stamp None			
	769 Salem Blvd, Berwick, PA 18603	Authorization No.	N/A			
		Expiration Date	N/A			
4. Indentific	cation of System REACTOR	VESSEL SYSTEM 162A	A, CLASS I			
	licable Construction Code III * 19 71 Nicable Edition of Section XI Utilized for Repairs or Replacem		ddenda, Code Case C N416-1 & N496-1 (* See Page 22)			

6. Identification of Components Repaired or Replaced and Replacement Components

					1. 100		
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)
165) CONTROL ROD DRIVE	GE	A4705	N/A	58-19 (CORE LOC.)	1981	REPLACED	YES
166) CONTROL ROD DRIVE	GE	A983	N/A	58-19 (CORE LOC.)	1978	REPLACEMENT	YES
167) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	58-19 (CORE LOC.)	1981	REPLACED	NO
168) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	58-19 (CORE LOC.)	2002	REPLACEMENT	NO
169) CONTROL ROD DRIVE	GE	8177	N/A	58-23 (CORE LOC.)	1978	REPLACED	YES
170) CONTROL ROD DRIVE	GE	8210	N/A	58-23 (CORE LOC.)	1978	REPLACEMENT	YES
171) CONTROL ROD DRIVE (BOLTS)	GE	N/A	N/A	58-23 (CORE LOC.)	1981	REPLACED	NO
172) CONTROL ROD DRIVE (8 BOLTS)	PP&L	N/A	N/A	58-23 (CORE LOC.)	2000	REPLACEMENT	NO
173) MAIN STEAM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0091 (VALVE)	N/A	PSV 141F013G	1981	REPLACED	YES
174) MAIN STEAM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV 141F013G	2002	REPLACEMENT	NO
175) LARGE PIPE SUBASSEMBLY (BOLTING)	BECHTEL	N/A	N/A	DCA111-2	1981	REPLACED	YES

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

1. Owner		Date	0	5/15/2002					
	769 Sa	Nai Ilem Blvd, Berwid Address			Sheet 1	8 of	22		
2. Plant	Sus	squehanna Stea		on	Unit		ONE		
	769 Sa	lem Blvd, Berwi	-		SEE SHEET(S) 19-21				
3. Work Per	3. Work Performed by PPL Susquehanna, LLC					Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp None			
	Name 769 Salem Blvd, Berwick, PA 18603					Authorization NoN/A			
		Address			Expiration Date		N/A		
4. Indentific	ation of Syste	em	REA	CTOR VESS	EL SYSTEM 16	2A, CLA	SSI		
(b) Appl	icable Edition	uction Code of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89		C -1 & N496-1 (* See	ode Case Page 22)	
	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)	

N/A

DCA111-2

2002

REPLACEMENT

NO

176) LARGE PIPE SUBASSEMBLY (BOLTING)

PPL

N/A

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

1. Ow	ner	PPL Susquet	nanna, LLC	Date	05/1	5/2002		
	769 Sal	em Blvd, Berwick	k, PA 18603	Sheet	19 of	22		
2. Plar	nt Sus		Electric Station	Unit	ONE			
	769 Sale	em Blvd, Berwic	k, PA 18603		SEE SHEET(S) 19-21			
		Address		F	epair Organization P.0	D. No., Job No., etc.		
3. Woi	k Performed by	PPL Susc	quehanna, LLC.	Type Code Sy	/mbol Stamp	None		
	769 Sale	em Blvd, Berwick	<, PA 18603	Authorization	No	N/A		
				Expiration Dat	te	N/A		
4. Ind	entification of System	n	REACTOR VESSE	L SYSTEM 1	62A, CLASS	I		
5. (a)	Applicable Construct	tion Code ASM	E Sec III * 19 71 Edition,	Thru W'72	Addenda, ^I	N/A* Code Case		
(b)	Applicable Edition of	of Section XI Utilized	for Repairs or Replacements 19	89		N496-1 (* See Page 22)		
						( 000 l uge 22)		
			eplaced and Replacement Compon					
ITEM(S)	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF WO	ORK	DES	SCRIPTION OF TESTS		
1-9	273883 & 200499	00-162-006 & 00-162-007	HV141F001, HV141F002 & HV141F H6, SPDBA112-1; RX VENT VALVE & SUPPORT REPLACEMENT PCWO 273883, PREFAB AC PCWO 200499, INSTALL	E & ASSOC PIPE . SPD CLIP. CTIVITIES		PER SE-100-002 7º/PRESS 1039 PSIG		
10-17	SERVICE ORDER NV1A00110	01-162-002	PSV 141F013B, REPAIRED RE MACHINING AND REPL DISC INSERT, SPINDLE & INLE	LIEF VLV BY ACED		t bolting, VT-2 DURING ON PER W/O # 358110		
18-20	358110	01-162-003	PSV 141F013B, REPLA RELIEF VALVE AND N	CED	VT-1 for inlet NUTS; VT-2 PER SE-100-0 TEMP 147°/PRESS 1039 PSIG			
21-28	SERVICE ORDER NV1A00110	01-162-004	PSV 141F013D, REPAIRED RE MACHINING & INSTALLATION ( REPLACED DISC INSERT, SPINE STUDS (2).	LIEF VLV BY OF HELICOIL	VT-1 for inle	t bolting; VT-2 DURING ON PER W/O # 339839		
29-32	339839	01-162-005	PSV 141F013D, REPLA RELIEF VALVE AND N	CED UTS		JTS; VT-2 PER SE-100-002 7°/PRESS 1039 PSIG		
33-37	SERVICE ORDER NV1A00110	01-162-006	PSV 141F013J, REPAIRED REI MACHINING AND REPL DISC INSERT & SPINI	LIEF VLV BY ACED DLE	VT-1 for inle INSTALLATI	t bolting; VT-2 DURING ON PER W/O # 256442		
38-41	256442	01-162-007	PSV 141F013J, REPLA RELIEF VALVE AND N			JTS; VT-2 PER SE-100-002 7°/PRESS 1039 PSIG		
42-48	SERVICE ORDER NV1A00110	01-162-008	PSV 141F013K, REPAIRED RE MACHINING AND REPU DISC INSERT, SPINDLE & INLE	LIEF VLV BY ACED	VT-1 for inle	t bolting VT-2 DURING ON PER W/O # 256443		
49-52	256443	01-162-009	PSV 141F013K, REPLA RELIEF VALVE AND N	CED		JTS; VT-2 PER SE-100-002 P/PRESS 1039 PSIG		
53-55	SERVICE ORDER NV1A00110	01-162-010	PSV 141F013L, REPAIRED REL MACHINING AND REPL DISC INSERT.	LIEF VLV BY	VT-1 for inlet	Dolting; VT-2 DURING ON PER W/O # 256445		
56-59	256445	01-162-011	PSV 141F013L, REPLA RELIEF VALVE AND N			ITS; VT-2 PER SE-100-002 /*/PRESS 1039 PSIG		
60-64	SERVICE ORDER NV1A00110	01-162-012	PSV 141F013N, REPAIRED REI MACHINING AND REPLA DISC INSERT & INLET STU	LIEF VLV BY VT-1 for inlet bolting; VT-2 DURING ACED INSTALLATION PER W/O # 25644		bolting; VT-2 DURING		
65-68	256447	01-162-013	PSV 141F013N, REPLA RELIEF VALVE AND N	CED		ITS; VT-2 PER SE-100-002 "/PRESS 1039 PSIG		

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

1. Owner	PPL Susquehanna, LLC Date				05/15/2002		
	769 Salem Blvd, Berwi Address	ck, PA 18603		Sheet	20	_ of	22
2. Plant		Unit	ONE				
<u>_,</u>	769 Salem Blvd, Berwi Address	ck, PA 18603				SHEET(S)	
3. Work Per	3. Work Performed by PPL Susquehanna, LLC			Type Code Symbol Stamp None			
	769 Salem Blvd, Berwin Address	ck, PA 18603		Authorization NoN/A			N/A
				Expiration	Date		N/A
4. Indentific	ation of System	REACTO	R VESSEI	LSYSTEM	1 162A, C	CLASS I	
	icable Construction Code ASI	ME Sec III * 19 7 d for Repairs or Replace	Lonion,	Thru W'7 89		enda, <u>N/A'</u> 1416-1 & N49	Code Case 96-1 (* See Page 22)

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM(S)	WORK AUTH./ WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF WORK	DESCRIPTION OF TESTS
69-77	SERVICE ORDER NV1A00110	01-162-014	PSV 141F013R, REPAIRED RELIEF VLV BY MACHINING AND REPLACED NOZZLE, DISC INSERT, SPINDLE & INLET STUDS (6).	VT-1 for inlet bolting; VT-2 DURING INSTALLATION PER W/O # 339840
78-81	339840	01-162-015	PSV 141F013R, REPLACED RELIEF VALVE AND NUTS	VT-1 for inlet NUTS; VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
82-88	SERVICE ORDER NV1A00110	01-162-016	PSV 141F013S, REPAIRED RELIEF VLV BY MACHINING AND REPLACED DISC INSERT, SPINDLE & INLET STUDS (4).	VT-1 for inlet botting; VT-2 DURING INSTALLATION PER W/O # 358112
89-92	358112	01-162-017	PSV 141F013S, REPLACED RELIEF VALVE AND NUTS	VT-1 for inlet NUTS; VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
93-96	298527	01-162-018	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 22-39	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
97-100	298529	01-162-019	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 02-39	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
101-104	298530	01-162-020	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 06-43	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG VT-3 CAP SCREWS DUE TO LEAKAGE
105-108	298531	01-162-021	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 18-11	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
109-112	298532	01-162-022	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 22-19	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
113-116	298534	01-162-023	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 22-31	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
117-120	298535	01-162-024	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 26-15	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG VT-3 CAP SCREWS DUE TO LEAKAGE
121-124	298536	01-162-025	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 06-31	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
125-128	298537	01-162-026	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 26-35	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
129-132	298538	01-162-027	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 26-51	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG
133-136	298539	01-162-028	REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 42-59	VT-1 CAP SCREWS, VT-2 PER SE-100-002 TEMP 147°/PRESS 1039 PSIG

TEMP 147°/PRESS 1039 PSIG VT-1 CAP SCREWS, VT-2 PER SE-100-002

TEMP 147°/PRESS 1039 PSIG

VT-1 for inlet NUTS; VT-2 PER SE-100-002

TEMP 147°/PRESS 1039 PSIG

VT-2 PER SE-100-002 TEMP 147°/PRESS

1039 PSIG

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

1. Owne	er	anna, LLC	Date	05/15/2002					
	769 Sal	Name em Blvd, Berwick Address		Sheet	21 of	22			
2. Plant	Susc	quehanna Steam	Electric Station	Unit	0	NE			
	769 Sale	em Blvd, Berwick	<, PA 18603	SEE SHEET(S) 19-21 Repair Organization P.O. No., Job No., etc.					
3. Work	Performed by	PPL Susc	uehanna, LLC		ymbol Stamp	None			
<u></u>	769 Sale	em Blvd, Berwick	, PA 18603	Authorization	No	N/A			
				Expiration Da	te	N/A			
4. Indei	4. Indentification of System REACTOR VESSEL SYSTEM 162A, CLASS I								
(b) /	<ul> <li>5. (a) Applicable Construction Code <u>ASME Sec III *</u> 19 71 Edition, <u>Thru W'72</u> Addenda, <u>N/A*</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CC N416-1 &amp; N496-1 (* See Page 22)</li> <li>6. Identification of Components Repaired or Replaced and Replacement Components</li> </ul>								
ITEM(S)	WORK AUTH./ WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF WO	DRK	DESC	CRIPTION OF TESTS			
137-140	298540	01-162-029	REPLACED CONTROL ROD DRIN AT CORE LOC. 30-1			VS, VT-2 PER SE-100-002 /PRESS 1039 PSIG			
141-144	298541	01-162-030	REPLACED CONTROL ROD DRIN AT CORE LOC. 30-4		VT-1 CAP SCREV	VS, VT-2 PER SE-100-002 /PRESS 1039 PSIG			
145-148	298544	01-162-031	REPLACED CONTROL ROD DRIV AT CORE LOC. 42-3	E AND BOLTS	VT-1 CAP SCREV	VS, VT-2 PER SE-100-002 /PRESS 1039 PSIG			
149-152	298545	01-162-032	REPLACED CONTROL ROD DRIV AT CORE LOC. 46-2	E AND BOLTS	VT-1 CAP SCREV	VS, VT-2 PER SE-100-002 /PRESS 1039 PSIG			
153-156	298547	01-162-033	REPLACED CONTROL ROD DRIV AT CORE LOC. 46-3	E AND BOLTS	VT-1 CAP SCREV	VS, VT-2 PER SE-100-002 /PRESS 1039 PSIG			
157-160	298548	01-162-034	REPLACED CONTROL ROD DRIV AT CORE LOC. 22-1	E AND BOLTS	VT-1 CAP SCREV	VS, VT-2 PER SE-100-002 PRESS 1039 PSIG			
161-164	298549	01-162-035	REPLACED CONTROL ROD DRIV AT CORE LOC. 46-3	E AND BOLTS	VT-1 CAP SCREV	VS, VT-2 PER SE-100-002 /PRESS 1039 PSIG			
165-168	298551	01-162-036	REPLACED CONTROL ROD DRIV						

AT CORE LOC. 58-19

REPLACED CONTROL ROD DRIVE AND BOLTS AT CORE LOC. 58-23

PSV 141F013G; REPLACED NUTS

DCA-111-2; REPLACED FLANGE M1 & M3

BOLTING

169-172

173-174

175-176

298553

256439

356060

01-162-037

02-162-005

02-162-006

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

1. Owner	PPL Susquehanna, LLC		Date		05/15/2002			
	769 Salem Blvd, Berwick, PA 18603		Sheet _	22	of	22		
2. Plant	Susquehanna Steam Electric Station		Unit		UNIT	ONE		
	769 Salem Blvd, Berwick, PA 18603		SEE SHEET(S) 19-21 Repair Organization P.O. No., Job No., etc.					
3. Work Perf	formed by PPL Susquehanna, LLC		Type Code		tamp			
	769 Salem Blvd, Berwick, PA 18603		Authorization No. N/A			N/A		
	1001655		Expiration	Date		<u>N/A</u>		
4. Indentifica	ation of System REACTOR	R VESSEL	SYSTE	<u>/ 162A, (</u>	CLASS I			
(b) Appli	cable Construction Code <u>ASME Sec III *</u> 19 <u>71</u> cable Edition of Section XI Utilized for Repairs or Replacer	nents 19	Thru W" 89		enda, <u>N/A</u> N416-1 & N4	Code Case 96-1 (* See Below)		
	tion of Components Repaired or Replaced and Replaceme $\operatorname{MENT}5$ (a)	nt Compone	ints					
r	COMPONENT MANUFACTURER	· · · · · · · · · · · · · · · · · · ·	CODE OF	CONSTRU		DE CASE(S)		
(0	YARWAY DRIGINAL VALVE CODE OF CONSTRUCTION)				71 Ed. Win			
	ANCHOR DARLING (REPLACEMENT VALVES)		ASME	Section III	, 1986 Ed. 1	No Add.		
	Crosby Valve & Gage Co. MSRV'S Valves		LVES IS AS	ME Sectio	n III, 1971 E	OF CONSTRUCTION d. With NO Addenda; 11		
	Crosby Valve & Gage Co. Replacement Parts; Spindle And Nozzles	Code Cases 1567 & 1711 Replacement Code is ASME Section III, 1971 Edition NO Addenda CC 1711						

COMPONENT MANUFACTURER	CODE OF CONSTRUCTION / CODE CASE(S)		
YARWAY (ORIGINAL VALVE CODE OF CONSTRUCTION)	ASME Section III, 1971 Ed. Winter '72 Add.		
ANCHOR DARLING (REPLACEMENT VALVES)	ASME Section III, 1986 Ed. No Add.		
Crosby Valve & Gage Co. MSRV'S Valves	CONSTRUCTION & REPLACEMENT CODE OF CONSTRUCT FOR VALVES IS ASME Section III, 1971 Ed. With NO Adden Code Cases 1567 & 1711		
Crosby Valve & Gage Co. Replacement Parts; Spindle And Nozzles	Replacement Code is ASME Section III, 1971 Edition NO Addenda CC 1711		
Crosby Valve & Gage Co. Replacement Parts; Disc Inserts	Replacement Code is ASME Section III, 1974 Edition Summer 75 Addenda CC 1711		
GE, Control Rod Drives Year Built 1978 (ORIGINALLY INSTALLED IN UNIT 1)	ASME Section III, 1971 Ed. NO Add. Code Case 1361		
GE, Control Rod Drives Year Built 1981 (ORIGINALLY INSTALLED IN UNIT 2)	ASME Section III, 1971 Ed. Winter '72 Add. Code Case 1361		
GE, Control Rod Drives Year Built 1984 (ORIGINALLY SPARE)	ASME Section III, 1971 Ed. Winter '72 Add. Code Case 1361		

Assigned to: ????

FOR INFORMATION ONLY

Expires On: \?

.

1983 Edition			•	162A
				-
FORM NPV-1 CE As F	RTIFICATE HOLDE Required by the Pro	RS' DATA REPORT For ovisions of the ASME (	Code, Section III, Div	. 1
	Flowserv 701 First	ve Corp. it Street, William	sport. PA 17701	
·		iname and addre	as of N Certificate Holder)	
2. Manufactured for R	ennsylvania Pow	er & Light, 2 Nor	th Ninth St., Al	<u>lentown, PA</u>
3. Location of installation	Susquehanna_St	ation, 5 mi. NE o	f Berwick on Rt.	<u>11, P.O. B</u>
	- Y-Globe	Insme ar Drawing <u>W992547</u>	id address) Bei 4 D. C	rwick, PA
4. Model No., Series No.,	or Type	Drawing HSSLS II	Hev.	
5. ASME Code Section II	1986	Addenda date		Code Case
V-1.	Edition	Addenda date	Class 2 ¹¹	
6. Pump or valve Val V	e Nomina	l inlet size 2" (In.)	Outlet size	(in.)
		<u>SA564-630-10750isk</u>		olting
(a)	(b)	(c)	(d)	(e)
Cert.	Nat'i	Body	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
► E949A-1-1 N	N/A	10	Ht. #B-2401	_1/_
E949A-1-2	N/A		Ht. #B-2401	
E949A-1-3 1	<u>N/A</u>	13 /	<u>Ht. #B-2401</u>	3
<u>E949A-1-4</u>	<u>N/A</u>	14	<u>Ht. #B-2401</u>	4
E949A-1-5 /	<u>N/A</u>	9	<u>Ht. #B-2401</u>	5 /
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* Supplemental information in the form of lists, sketches, 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, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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	FORM NPV-1	I	
		Mtr. Serial	No
8. Remarks			
Shop Orde	r E949A-1		
9. Design condition	ns	•F or valve pressure class	1500#
3. Design Condition	(pressure) (temperature)		
10. Cold working pres	ssure <u>3705</u> psi at 100°F		
11. Hydrostatic test _	<u>5575</u> psi	Disk differential test pressure	4076
· · · · <b>, -</b> · · · · ·			
	CERTIFICATION	OF DESIGN	
			0105255
Design Specification		Prof. Eng. state <u>PA</u>	Reg. No. 019525E
Design Report certifie	ed by <u>R.S. Farrell</u>	Prof. Eng. state PA	Reg. No.
í			<u> </u>
	CERTIFICATE OF SHO	P CUMPLIANCE	
	•		•
We certify that the :	statements made in this report are correct and t	that this pump or valve conforms to the	rules for constructio
of the ASME Code, S	ection III.	4/3	rules for constructio
of the ASME Code, S N Certificate of Autho	ection III. orization NoN1712	•	
of the ASME Code, S	ection III. orization NoN1712	Expires 4/3	
of the ASME Code, S N Certificate of Author 71282000	ection III. orization NoN1712	4/3	15/01
of the ASME Code, S N Certificate of Author 71282000	ection III. orization NoN1712 NameFlowserve_Corp	Expires 4/1 Signed RS Stanne	15/01
of the ASME Code, S N Certificate of Author 71282000	ection III. orization NoN1712 	Expires 4/1 Signed RS Stanne	15/01
of the ASME Code, S N Certificate of Author 71282000	iection III. orization NoN1712 NameFlowserve_Corp (N Certificate Holder)	Expires 4/1 Signed RS Stannu (represen	15/01
of the ASME Code, S N Certificate of Autho Date <u>7/28/2000</u>	CERTIFICATE OF SHC	Expires 4/3 Signed RS Starme (represent	15/01 TT tative)
of the ASME Code, S N Certificate of Autho Date <u>7/28/2000</u> 1, the undersigned, h	Name Flowserve Corp. (N Certificate Holder) (N CERTIFICATE OF SHO	Expires 4/3 Signed RS Starme (represent	15/01 

constructed this pump, or valve, in accordance with the ASME Code, Section III.

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 approach any kind arising from or connected with this inspection.

28 JUL Date Pennsylvania 2392 Commissions (lp ctorl (Nat'l Bd., lincl. endorsements) State, Prov. and No.) Charle Young

(1) For manually operated valves only.

Assigned to: ????

#### FOR INFORMATION ONLY

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As R	equired by the Pro	-	Code, Section III, Divis	Pg of
	Plowse	rve Corp.		
	701 81	rst Street, Will	iamsport, PA 177	01
1. Manufactured and ce	Timed by	loame and /	iddress of N Certificate Holder)	
_		war i Light. Two	North Ninth St., of Purchaser or Owner)	Allentown, PA 1
2. Manufactured for P	ennsylvania Po	iname and address	of Purchaser or Owner)	
	Curruchanna	Station. 5 mi. N	E of Berwick on R	t. 11, P.O. Box 4
3. Location of installation	on Susquenanna	iner	ne and address)	Berwick, I
	· V-Clob		25474 Rev. C	CRN
4. Model No., Series No	o., or Type	e Drawing		•
		1986	1	
5. ASME Code, Section	III, Division 1:		da date) (class)	(Code Case no.)
		1441100117 - 2 H		2"
6. Pump or valve	lve Nom	nal inlet size2(in.)		(in.)
		SA564-630-107	Dial COCR/STL6	Bolting
7. Material: Body SA	Boni	net		
	•	(0)	(d)	(e)
(a)	(b)	(c) Redu	Bonnet	Disk
. Cert.	Nat'l	Body	Serial	- Serial
Holder's	Board	Serial No.	No.	No.
Serial No.	No			6
E949A-1-6	N/A	12	Ht. #B-2401	
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FOR INFORMATION ONLY

Expires On: \?

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8. Remarks		<u> </u>		
01 01	der E949A-1			
спор от				
9. Design conditions	2774 psi 585		re class 1500#(	1) -
9. Design conditions	(remperature)	ne)		
0. Cold working pressure	3705 psi at 100°F	• •		-
557!	5 psi. Disk differential tes	4076	psi	••
1. Hydrostatic test557	p\$i. Disk differential tea			
	•		· •	
	CERTIFICATION	I OF DESIGN	· · ·	
		•		
Design Specification certifie	d by Sattar		Reg. no.019525E Reg. no. 035216E	
Design Report certified by _	R.S. Farrell	P.E. State PA	Heg. no. <u>UJJAANA</u>	
			· .	
· .	CERTIFICATE OF SH	IOP COMPLIANCE		
		taka akia ayana aryahin popfot	me to the rules for construction	
We certify that the statemer	te mede in this report are correct and			
the control of the co			ms to the rules for construction	
of the ASME Code, Section	III, Division 1.	Expires	4/15/01	
of the ASME Code, Section N Certificate of Authorizatio	III, Division 1. In No	Expires		
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	FUKM N-	2 CERTIFICATE HOLDE NUCLEAR PARTS A	IRS' DATA REPORT FO ND APPURTENANCES		L .
	As required by the Provisi	ions of the ASME Code, Sec			Day's Production
1. Manu	factured and certified by		awood Crosby, 43 Kendria		
	•		lame and Address of N Ce		
2. Manu	factured for		NSYLVANIA POWER &		-,
		(Name 1	and Address of Purchaser	or Owner)	
3. Locat	ion of Installation	SU	SQUEHANNA SES STO	REROOM	
_			(Name and Address	;)	•
4. Type	DS-A-63790-4 REV 0	SA637 GR.718	185,000	<u> </u>	2001
	(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	yon (year built)
5. ASM	E Code, Section III, Divis		SUMMER 1975	<u> </u>	**1711 @
C Kabui	cated in accordance with (	(edition)	(addenda date)	(class)	(Code Case No.)
D. FADIN	cated in accordance will (	Loust. Spec. (Div. 2 only)		evision —	Date
7. Rema	rke		( <b>DO</b> .)		
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	<u> </u>				
b To-	thickness (in.) - M	lin duction shiple and (b)		T	
		lin. design thickness (In.)			overall (π & m.)
. waen	applicable, Ceruncale Ho	olders' data reports are attac	acd for cach stem of this i	пероп.	<u> </u>
	Part or Appurtenance	National	Part or Appu	Ténance	National
	Serial Number	Board No.	Serial Nu		Board No.
		in Numerical Order			in Numerical Order
(1) N	197499-36-0038 •		(26)		
(2) N	197499-36-0039 /	••••	(27)	<u></u>	
	197499-37-0044 •		(28)		
	197499-37-0046		(29)		· · · · · · · · · · · · · · · · · · ·
(5) N	97499-37-0047		(30)		
	97499-37-0048 •		(31)(32)		
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(7) N	97499-37-0049 • 97499-37-0050 •		(33)		
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This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Pairfield, NJ 07007-2300

Form N-2 (Back)

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Certificate Holder's Serial No. N97499-36-0038

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CERTIFICATE OF DES	<u>SIGN</u>
Design specifications certified by M.R. MJAATVEDT	P.E. State PA Reg. no. 35285-E
(when applicable)	
Design report* certified by	P.E. State Reg. no
(when applicable)	
CERTIFICATE OF COMP	LIANCE
We certify that the statements made in this report are correct and that this conforms to the rules of construction of the ASME Code, Section III, Dir	s (these) Disc Inserts vision 1.
NPT Certificate of Authorization No. N-1877 Expires Sep. 2	30, 2001
Anderson Greenwood Crosby Date 27 ^{*4} Ers 2001 Signed Wrentham, MA	by Alexandre
(NPT Certificate Holder)	(Authorized Representative)
** 4* MPY. 01 75	
<u>CERTIFICATE OF INSPE</u>	<u>ECTION</u>
I, the undersigned, holding a valid commission issued by the National Bo	pard of Boiler and Pressure Vessel Inspectors and
the State or Province of <u>Massachusetts</u> and employed by <u>Fi</u>	ctory Mutual Insurance Co.
of Johnston, Rhode Island have inspected the	se items described in this Data Report on
has fabricated these parts or appurtenances in accordance with the ASME	Enowledge and bener, the Certificate Fundation of the Section III. 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 li	nspector nor his employer shall be liable in any
manner for any personal injury or property damage or loss of any kind a	rising from of connected with this hispectual.
**_ Junto a Matura	Date Date
Date 2-23, 20 01.	
1 alaunto	m MA-1418 N
Signed (Authorized Inspector)	(Nat'l, Bd. (incl. endorsements) and state or prov. and no.)

TOTAL P.03

-Assigned to: ????

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FOR INFORMATION ONLY

Expires Un: V

Q.C.-392 Sheet 1 of 2

FORM N-2 C	ERTIFICATE HOLDE	RS' DATA REPORT F	OR IDENTICAL S*	
As required by the Provisions	of the ASME Code. Sec	tion III. Division 1 - Not	to Exceed One D	ay's Production
Manufactured and certified by	Anderson Green	wood Crosby, 43 Kendri	ick St., Wrentham	, MA 02093
	. (N	lame and Address of N C	ertificate Holder)	
Manufactured for		NSYLVANIA POWER 8		
		and Address of Purchaser		
Location of Installation	· · · · · · · · · · · · · · · · · · ·	SUSQUEHANNA STOR		
	SEE BELOW	(Name and Addres BELOW		2001
Type DS-A-63790-4 REV.A	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
(drawing no.) ASME Code, Section III, Division		NO ADDENDA	1	1711
ASME CODE, Section III, Division	(edition)	(addenda date)	(class)	(Code Case No
Fabricated in accordance with Con	st. Spec. (Div. 2 only)	I	Revision	Date
		(no.)		
Remarks SPINDLE MATERIAL	<u> A564 TYPE 630 - TE</u>	NSILE - 140,000		
SPINDLE BALL MAT	ERIAL - A276 TYPE 4	40C - TENSILE - N/A		
	design abielmone (in )	- Dia. 1D (ft & in.	) - [ength o	verail (ft & in.)
Nom. thickness (in.) - Min. When applicable, Certificate Holde	, design inickness (ul.)	hed for each item of this	report.	
when applicable, Certificate Hold	13 data reports are state	•	•	
Part or Appurtenance	National	Part or App		National Board No.
Serial Number	Board No.	Serial N	umber	in Numerical Order
	in Numerical Order	(26)	· .	
(1) <u>K82137-55-0085</u> -(2) <u>K82137-55-0086</u>	···· ·································	- (20)		
-(3) K82137-55-0087		(28)		
-(4) K82137-55-0088		(29)		
-(5) K82137-55-0089 •		(30)		
(6) K82137-55-0090 •		(31)		
(7) <u>K82137-55-0091</u>		(32) (33)	·	
(8) <u>K82137-55-0092</u> (9)		(34)		
(10)		(35)		
(11)		(36)	<u> </u>	
(12)		(37) (38)	<b>_</b>	<u>i</u>
(13)	<u> </u>	(39)		
(14)(15)		(40)		
(16)		(41)		<u>.</u>
(17)		(42)		
(18)	<u> </u>	(43)(44)		
(19)		- (45)	• • • •	
(20)(21)		(46)		
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(25)		(50)		······································
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). Design pressure	psi. Temp	r nyulo, ast pressa	(when applic	able)
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supplemental information in the form of lists, sketche	is, or drawings may be used provid	upu (1) along of this form		
included on each sheet, (3) each sheet is sumbered a	IL US DAILOUT OF MICCH IS FOCOTORS			-
	friend (FOODAD) may be aberiand i	from the Order Dept., ASME, 22 I	aw Drive, Box 2300, Fe	rheid, NJ 07007-2300

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Form N-2 (Back)	Certificate Holder's Serial No. <u>K82137</u>	-55-0085	Q.C392 Sheet 2 of 2
	CERTIFICATE OF DESIG		
Design specifications certified by	C.T. NIEH (when applicable)	P.E. StateC	A Reg. no. 15587
Design report* certified by	(when applicable)	_P.E. State	Reg. no
• •	<u>CERTIFICATE OF COMPLIA</u>	INCE	
We certify that the statements mad	e in this report are correct and that this (th	ese) <u>Spindle As</u>	semblies
conforms to the rules of constructi	on of the ASME Code, Section III, Divisio	<b>II.</b>	
NPT Certificate of Authorization !	No. N-1877 Expires Sep. 30, Anderson Greenwood Crosby	2001	
Date <u>MAY 18th 01</u> Sign		by Math	4
	(NPT Certificate Holder)	(Autho	rized Representative)
State or Province of <u>Massachus</u> of <u>Johnston, Rhode Islar</u>	and state that to the best of my kno	of Boiler and Pressu utual Insurance Co. ms described in this wiedge and belief, th	Data Report on De Certificate Holder
State or Province of <u>Massachus</u> of <u>Johnston, Rhode Islar</u> <u>18</u> , 20 has fabridated these parts or appur been authorized for stamping on th By signing this certificate, neither the eminment described in this Da	commission issued by the National Board <u>actts</u> and employed by <u>Factory M</u> ad <u>have</u> inspected these ite <u>and</u> state that to the best of my kno tenances in accordance with the ASME Co tenances in accordance. the Inspector nor his employer makes any ta Report. Furthermore, neither the Inspec	of Boiler and Pressu utual Insurance Co ms described in this wledge and belief, th de, Section III, Divi warranty, expressed ctor nor his employe	Data Report on the Certificate Holder sion 1. Each part listed has or implied, concerning r shall be liable in any
State or Province of <u>Massachus</u> of <u>Johnston, Rhode Islar</u> <u>18</u> , 20 has fabridated these parts or appur been authorized for stamping on th By signing this certificate, neither the eminment described in this Da	commission issued by the National Board <u>actts</u> and employed by <u>Factory M</u> ad <u>have</u> inspected these ite <u>col</u> and state that to the best of my kno tenances in accordance with the ASME Co and the above. the Inspector nor his employer makes any	of Boiler and Pressu utual Insurance Co ms described in this wledge and belief, th de, Section III, Divi warranty, expressed ctor nor his employe	Data Report on the Certificate Holder sion 1. Each part listed has or implied, concerning r shall be liable in any
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Q.C.-392 Sheet 1 of 2

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CERTIFICATE OF DESIGN         Design specifications certified by <u>CT NIEH</u> P.E. State <u>CA</u> Reg. no. 15587 (when applicable)         Design report* certified by <u>P.E. State</u> <u>Reg. no.</u> (when applicable)         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this (these) <u>Spindle Assembly</u> conforms to the rules of construction of the ASME Code, Section III, Division 1.         NPT Certificate of Authorization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u> Mark <u>Crosby Valve Inc.</u> by <u>Colspan="2"&gt;CERTIFICATE OF INSPECTION</u> I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>Mastachusetta</u> and employed by <u>ProteChim Mutual Insurance Co.</u> <u>Norwood Massachusetta</u> and employed by <u>ProteChim Mutual Insurance Co.</u> <u>Mastachusetta</u> and state that to the best of my knowledge and belief, the Certificate Holder to the best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder to be best of my knowledge and belief, the Certificate Holder ton State that to be best of my knowledg	Form N-2 (Back)	Certificate Holder's	s Serial Nos. <u>K82</u>	137-45-0047			Q.C392 Sheet 2 of
(when applicable)         Design report* certified by         (when applicable)         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this (these)         Spindle Assembly         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this (these)         Spindle Assembly         conforms to the rules of construction of the ASME Code, Section III, Division 1.         NPT Certificate of Authonization No.         N-1877       Expires       30 Sep. 2001         *       //famil. %       //famil.         Date 25 Nov 9 S         CERTIFICATE OF 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 Massachusetts and employed by * Protectim Mutual Insurance Co.         Adverside of my knowledge and belief, the Certificate Holder has fabricated fuese parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part lised hese fabricated fuese parts for appurtenances in accordance with the ASME Code, Section III, Division 1. Each part lised hese nathorized for stamping on the date shown above.         By signing this ceruficate, heigher the Inspector nor his employer shall be liable in any manner for any personal injury or pro		CERTIFIC	ATE OF DES	NGN	· · ·		14. 14.
(when applicable)         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this (these)       Spindle Assembly         conforms to the rules of construction of the ASME Code, Section III, Division 1.         NPT Certificate of Authonization No	Design specifications certified by		pplicable)	P.E. State	CA	Reg. no	0. <u>15587</u>
We certify that the statements made in this report are correct and that this (these)       Spindle Assembly         conforms to the rules of construction of the ASME Code, Section III, Division 1.       NPT Certificate of Authorization No.       N-1877       Expires       30 Sep. 2001       ITT         *       [ /fored. 0-         Date       2.5 Nov 9.8       Signed       Crosby Valve Inc.       by       [ /fored. 0-         It       [ /fored. 0-       (NPT Certificate Holder)       (Authorized Representative)         CERTIFICATE OF 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	Design report* certified by	(when appli	cable)	P.E. State		Reg. DA	)
conforms to the rules of construction of the ASME Code, Section III, Division 1.  NPT Certificate of Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u> * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u>  * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u>  * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u>  * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u>  * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u>  * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u> * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u> * <u>177-und.</u> <u>Authonization No. <u>N-1877</u> Expires <u>30 Sep. 2001</u> * (Authonized Representative)  <i>CERTIFICATE OF INSPECTION</i>  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Protection Muthal Insurance Co.</u>  of <u>Norwood Massachusetts</u> and employed by <u>Protection Muthal Insurance Co.</u>  for <u>Norwood Massachusetts</u> and employed by <u>Protection Muthal Insurance Co.</u>  for <u>Norwood Massachusetts</u> and employed by <u>Protection Muthal Insurance Co.</u>  for <u>Norwood Massachusetts</u> and employed by <u>Protection Muthal Insurance Co.</u>  for <u>Norwood Massachusetts</u> and employed by <u>Norwood Massachusetts</u> and employed with the ASME Code, Section III, Division 1. Hach part listed h been authorized for stamping on the date shown above. By signing this certificate, neither the Inspector nor his employer ma</u></u></u></u></u></u></u></u>						·-	· · · · ·
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts have inspected these items described in this Data Report on have inspected these items described in this Data Report on $Massachusetts$ have inspected these items described in this Data Report on $Massachusetts$ have inspected these items described in this Data Report on $Massachusetts$ have inspected these items described in this Data Report on $Massachusetts$ have inspected these items described in this Data Report on $Massachusetts$ have inspected these items described in this Data Report on $Massachusetts$ have inspected these items described in a population is employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be table in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection. Date	conforms to the rules of construction NPT Certificate of Authorization N	n of the ASME Code o. <u>N-1877</u> E d <u>Crosby N</u>	e, Section III, Div xpires <u>30 Se</u> Valve Inc.	nision 1. <u>p. 2001</u> _by	J m G Authorized	7 	tative)
the State or Province of Massachusetts have inspected these items described in this Data Report on		CERTIFICAT	TE OF INSPE	CTION			
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Date <u>29 AUG 98</u> Sign I, the undersigned, holding a valid	ned <u>Crosby Va</u> (NPT Certific <u>CERTIFICATE</u> I commission issued by 6	tive Inc. by	(Ar (Ar	ressure Ve	ssel Inspectors
Date <u>28AUG98</u> Sign 1, the undersigned, holding a valid the State or Province of <u>Massa</u> of <u>Norwood Massachus</u> <u>Tuccust 28</u> , 19 bas inhucated these parts or appur	acd <u>Crosby Va</u> (NPT Certific <u>CERTIFICATE</u> I commission issued by fl (chusetta and employe setta has 28 and state that to fl terratices in accordance w	the lnc. by	(Ar (Ar V) Mutual In s described re and belia	ressure Ves surance Co in chis Da	ssel Inspectors ta Report on ificate Holder
Date <u>28AUG98</u> Sign 1, the undersigned, holding a valid the State or Province of <u>Massachus</u> of <u>Norwood Massachus</u> <u>Tu cu ST 28</u> , 19 bas fahricated these parts or appur been authorized for stamping on th By signing this cerviticate, heither concerning the equipment described	ned       Crosby Va         (NPT Certific         CERTIFICATE         I commission issued by fluctures in accordance with and employee         sette       had employee         28       and state that to flucture in accordance with and employee         28       and state that to flucture in accordance with an employee         the Inspector nor his employee       the Inspector nor his employee         d in this Data Report.       F	the lnc. by	(Ar (Ar V) V) V) V) V) V) V) V) V) V) V) V) V)	ressure Ves surance Co in chis Da of, the Cort Division 1 seed or imp nor his con	ssel Inspectors ta Report on ifficate Holder . Each puri lis plied, ployer shall be
Date 28 AUG 98 Sign 1, the undersigned, holding a valid the State or Province of <u>Massachus</u> of <u>Norwood Massachus</u> $-t \cup c \cup 2T - 2E$ , 19 has inhibited these parts or appur been sutherized for stamping on the By signing this certificate, neither	ned       Crosby Va         (NPT Certific         CERTIFICATE         I commission issued by fluctures in accordance with and employee         sette       had employee         28       and state that to flucture in accordance with and employee         28       and state that to flucture in accordance with an employee         the Inspector nor his employee       the Inspector nor his employee         d in this Data Report.       F	the lnc. by	(Ar (Ar V) V) V) V) V) V) V) V) V) V) V) V) V)	ressure Ves surance Co in chis Da of, the Cort Division 1 seed or imp nor his con	ssel Inspectors ta Report on ifficate Holder . Each puri lis plied, ployer shall be
Date <u>28AUG98</u> Sign 1, the undersigned, holding a valid the State or Province of <u>Massa</u> of <u>Norseood Massachus</u> <u>August</u> <u>28</u> , 19 has fahrleated these parts or appur been authorized for stamping on the By signing this certificate, neither concerning the equipment describes hable in any manuer for any person	ned       Crosby Va         (NPT Certific         CERTIFICATE         I commission issued by fluctures in accordance with and employee         sette       had employee         28       and state that to flucture in accordance with and employee         28       and state that to flucture in accordance with an employee         the Inspector nor his employee       the Inspector nor his employee         d in this Data Report.       F	the lnc. by	(Ar (Ar V) V) V) V) V) V) V) V) V) V) V) V) V)	ressure Ves surance Co in chis Da of, the Cort Division 1 seed or imp nor his con	ssel Inspectors ta Report on ifficate Holder . Each puri lis plied, ployer shall be

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#### 164B-I

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

1. Owner	PPL Susquehanna, LLC		Date _		05	/07/2002	
	Name 769 Salem Blvd, Berwick, PA 18603		Sheet	1	Of		1
2. Plant	Address Susquehanna Steam Electric Station		Unit _			ONE	
<u> </u>	769 Salem Blvd, Berwick, PA 18603					P.O. No., Job No.,	
3. Work Pe	Address PPL Susquehanna, LLC Name		Туре Сс		ol Stamp		one
	769 Salem Blvd, Berwick, PA 18603		Authoriz	ation No.	<u>.                                    </u>	N/A	
	Audress		Expiratio	on Date		N/A	
4. Identific	cation of System RECIRC WA	TER LOOP	& JET	PUMPS	6 164B, C	CLASS I	
5. (a) App (b) App		_	thru V 89 nts	<b>№7</b> 2	Addenda,	N/A	Code Case
						·	ASME

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) LARGE PIPE BLIND FLANGE	BECHTEL	N/A	N/A	VRR-B31-2	1982	REPLACED	YES
2) LARGE PIPE BLIND FLANGE	PPL	N/A	N/A	VRR-B31-2	2002	REPLACEMENT	NO

 7. Description of Work
 REPLACED BLIND FLANGE.

 8. Tests Conducted:
 Hydrostatic
 Pneumatic
 Nominal Operating Pressure
 (VT-2 PER SE-100-002)

 Other
 Pressure
 1039
 Psig
 Test Temp.
 147
 °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.

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Applicable Man	ufacturer's Data Reports to be attached	
	ION OF COMPLIANCE	
We certify that the statements made in the report are c SME Code, Section XI.	orrect and this	e rules of the
Type Code Symbol Stamp	N/A	
Certificate of Authorization No. Ν/Δ	Expiration	
i 1	Date N/A	
Signed		002
Owner's Devignes, Title Supv Site Modification	Sons Group	
CERTIFICATION 0	F INSERVICE INSPECTION	
he undersigned, holding a valid commission issued by the N Province of <b>PENNSYLVANIA</b> and employed by	National Board of Boiler and Pressure Vessel InspectoryFACTORY_MUTUAL INSURANCE CO,	
JOHNSTON, RHODE ISLAND	have inspected the compone	nts described
his Owner's Report during the period $(-3)-($ he best of my knowledge and belief, the Owner has perform	ned examinations and taken corrective measures des	_, and state that
men's Report in accordance with the requirements of the AS	SME Code Section XI	
By signing this certificate neither the Inspector nor his emplaminations and corrective measures described in this Owner	loyer makes any warranty, expressed or implied, conducts Report European participation participation of biological sector participation of the	cerning the
all be liable in any manner for any personal injury or propert	y damage or a loss of any kind arising from or conne	cted with this
pection.		
Cellon E. Tillery co	ommissions <u>NB 8845 A/N/z/B/NS</u>	Pa2361
Inspector's Signature	National Board, State, Province, and E	ndorsements
e June 3 2002		

### 164D-II

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

1. Ow	ner	PPL Susque			Date	05	5/07/2002	
		Nan						
	769 Sale	em Blvd, Berwid	ck, PA 18603		Sheet	Of	1	
		Address					- N -	
2. Pla	int Susc	quehanna Stear		DU	Unit		ONE	
			-		\M\\\#	302175	& CRF 0216400;	2
	769 Sale	em Blvd, Berwi	ck, PA 18603				n P.O. No., Job No., etc.	
				<b>`</b>	,	•		
3. Wo	ork Performed by	PPL Su	squehanna, LLC	·	Type Code Sym	ibol Stamp	None	
	700 0-1				A	_	N/A	
	/69 586	em Blvd, Berwic	K, PA 10003		Authorization N	0		
					Expiration Date		N/A	
4 id	entification of System		RECIRC	-SEAL WATE	ER INJECTION	164D. C	LASS II	
4.10	enuncation of System							
	a) Applicable Construe			71 Edition				
(	b) Applicable Edition	of Section XI Utilize	d for Repairs or Re	placements 19	89	(" SEE RE	MARKS SECTION	9)
6. Id	entification of Compo	nents Repaired or I	Replaced and Repla	acement Compo	nents			
r	·····		<del>т — — — — — — — — — — — — — — — — — — —</del>				1	
								ASME
				National			Repaired, Replaced, or	Code Stamped
	Name of	Name of	Manufacturer	Board No.	Other Identification	Year Built	Replacement	(Yes or
	Component	Manufacturer	Serial No.		identification	Duin		No)
1)	VALVE	MAROTTA	383	1251	XV143F017A	1982	REPLACED	YES
		SCIENTIFIC CONTROLS						
2)	VALVE	VALCOR	794170004-2	N/A	XV143F017A	1992	REPLACEMENT	YES
- ′								
3)	SMALL PIPE	BECHTEL	N/A	N/A	SPDCB111-4	1982	REPLACED	YES
	SUB-ASSEMBLY							
4)	SMALL PIPE	PP&L	N/A	N/A	SPDCB111-4	2002	REPLACEMENT	NÖ
	SUB- ASSEMBLY	1			1			

7. Description of Work

REPLACED CHECK VALVE AND ASSOCIATED PIPE

8. Tests Conducted:	Hydrostatic	Pneumatic	Nomi	inal Operating Press	ure (NON-VT-2 PER MI-PS-008)
	Other	Pressure	 psi	Test Temp.	•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.

1.10100

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# 9. Remarks CODE DATA REPORT ATTACHED. CODE OF CONSTRUCTION:ORIGINAL & REPLACEMENT Applicable Manufacturer's Data Reports to be attached

# VALVE, ASME III 1974 EDITION WINTER 1974 ADDENDA.

	CERTIFICATION OF COM	PLIANCE	
We certify that the statements made i SME Code, Section XI.	n the report are correct and this .	REPLACEMENT repair or replacement	conforms to the rules of the
Type Code Symbol Stamp		N/A	
Certificate of Authorization No.	N/A Expiration	n	N/A
Signed Owner or Owner's Designee, Title S	Date	Mag 31	, 200 2
<u></u>			
CERT	TIFICATION OF INSERVIC		

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NULLEAR FUMPS UN ANTENES

N5	65	Δ2	
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As Required by the Provisions of the ASME Code, Section III, Div. 1 VALCOR NO. 875

		iss of N Certificate H	ivrence Road, Spri ioloer)	ndifero, nev s	ersey 07001	
Manufactured for	Penn. Pover & Lio	nt Co., Allentown, P of Eurchaser or Conneri				
ocation of Installation	Susquehanna Stea	n Electic Station.				
ump or Valve Val	(Name and Address Vê	Nominal	inter Size 1*	<u>Ou</u>	tlet Size	1-
			{u	nchi		(inch)
(a) Model No., (b)					10 No.11	
Series No. or Type	Serial No.	Registration No.	(d) Drawing	(e) Class	(1) Nat'i. Bd. No.	(g) Ye Buili
Ur Type						
1) 794170004	1	N/A	794170004			1992
2)	thru					
3)	٩٩					
4)	·····					
5) <u> </u>						
·)						:
3)	·····					
)}						
0)	<u> </u>					
EXCESS FLOW CHECK VA						
old Working Pressure	<u>2160</u> psi		- *F or Valve Pr			
old Working Pressure essure Retaining Pieces	2160 psi		1	-		
-					Remar	
essure Retaining Pieces Mark No.		at 100°F.	· · · · · · · · · · · · · · · · · · ·			
essure Retaining Pieces Mark No.		at 100°F.	· · · · · · · · · · · · · · · · · · ·			
essure Retaining Pieces Mark No.		at 100°F.	· · · · · · · · · · · · · · · · · · ·			
essure Retaining Pieces Mark No.		at 100°F.	· · · · · · · · · · · · · · · · · · ·			
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essure Retaining Pieces Mark No.		at 100°F.	· · · · · · · · · · · · · · · · · · ·			
essure Retaining Pieces Mark No.	Materia	at 100°F.	· · · · · · · · · · · · · · · · · · ·			
essure Retaining Pieces Mark No. Castings N/A	Materia	at 100°F.	· · · · · · · · · · · · · · · · · · ·			
essure Retaining Pieces Mark No. Castings N/A Forgings	Materia	at 100°F.	· · · · · · · · · · · · · · · · · · ·	- Ufer		
essure Retaining Pieces Mark No. Castings N/A	Materia	at 100°F.	Manufacti	- Ufer	Remar	
essure Retaining Pieces Mark No. Castings N/A Forgings	Materia	at 100°F.	HUR	- Ufer	Remar	
essure Retaining Pieces Mark No. Castings N/A Forgings	Materia	at 100°F.	Manufacti	- Ufer	Remar	
essure Retaining Pieces Mark No. Castings N/A Forgings	Materia	at 100°F.	HUR	- Ufer	Remar	
essure Retaining Pieces Mark No. Castings N/A Forgings	Materia	at 100°F.	HUR	- Ufer	Remar	
essure Retaining Pieces Mark No. Castings N/A Forgings	Materia	at 100°F.	HUR	- Ufer	Remar	

(1) For manually operated valves only.

"Supplemental Information in the form of lists, sketches, or orawings may be used provided (1) size is 8% x-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, and (4) each additional sheet shell be signed by the Certificate Holder and the AN1.

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FORM NPV-1 (Back)

1/AT	000	NO.	07
VAI	LIF	NU.	- G.i.

Mark No.	Material Spec. No.	Manufacturer	Remarks
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N.Ł			
			1
		· · · · · · · · · · · · · · · · · · ·	
d) Other Parts			
V52019-50-1	SA 479 316	CARTECH	Lot # LE37NU
V52046-50-1	SA 479 11-19	ARMCO	Lot # N768NU
V52035-50-3	5A 1B2 316	CONSOL IDATED	Lot # U633NU
		······································	
	······································		

S. Hydrostatic test _______ psi. Disk Differential test pressure _______ psi.

#### CERTIFICATE OF COMPLIANCE

	are correct and that this pump, or valve, conforms to the rules of
construction of the ASME Code for Nuclear Power	Plant Components. Section III, Div. Edition 1974
Addenda Hinter 74, Code Case No. (Date)	Dete
Signed Valcor Engineering Corporation	by
IN Certificate Holder) Our ASME Certificate of Authorization No1076	to use the $(N)$ symbol expires $\frac{5-6-93}{(Dree)}$ .

CERTIFICATION OF DESIGN	
esign information on file at <u>Valcor Engineering Corporation</u> tress analysis report (Class Tonly) on file at <u>Valcor Engineering Corp</u> .	
esign specifications certified by (1) DALE SATTAR E StatePAReg. No019525-E ress analysis certified by (1) N/A E StateReg. No	-
Signature not required. List name only.	

#### CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors Allendale Insurance Company 3 New Jersey and employed by Allendale Insurance Company 3 Nervood, Nassachusetts have inspected the pump, or valve, described in this Data Report on December, 16 19 92, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III. \$Factory Mutual System

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

#### 169A-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 Susque			Date	0	5/07/2002	
	769 Sa	lem Blvd, Berwid			Sheet	1Of	· <u> </u>	
2. Plant	Sus	Address quehanna Stear		on	Unit		ONE	
	769 Sal	^{Nami} em Blvd, Berwi	-				CRF # 02-169-0	001
3. Work Perf	ormed by _	Address PPL Sus	squehanna, LL(	C	Re Type Code Syr		n P.O. No., Job No., etc. None	)
	769 Sal	lem Blvd, Berwic	k, PA 18603		Authorization N	lo	N/A	
					Expiration Date		N/A	
4. Identifica	tion of System	n	RADW	ASTE (LIQU	ID) SYSTEM 1	69A, CLA	SS II	
(b) Appli	cable Edition	iction Code of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89		C C1622,1516-1,1567	ode Case ,1335-9)
-	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)
1) VALV	E	PACIFIC	0313-6	N/A	HV16116A1	1977	REPAIRED	YES
					<u> </u>			

MACHINED VALVE WEDGE & SEAT TO RESTORE SEATING SURFACE 7. Description of Work X

Pneumatic

Pressure

8. Tests Conducted:

Hydrostatic

Other

Nominal Operating Pressure Test Temp. psi

(NON VT-2 PER MIS-PS-008) °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informa-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 recorded at the top of this form.

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).Remarks 🔥 🔥	IONE						
		Applicable Manu	facturer's Data Reports t	o be atlached			
·	<u> </u>						
		CERTIFICATI	ION OF COMP	LIANCE			
We certify	y that the statements man	ade in the report are o	orrect and this	REPAIR	conforms	to the rules of the	
ASME Code, S		ade in the report are d		repair or replacement	-		
Type Code S	symbol Stamp			N/A			
	· ·						-
Certificate of	Authorization No.	N/A	Expiration		N	I/A	
Certificate of		N/A	Date	<u></u>	I		-
Cinenal		,	Data	m	2)	.20 02	
Signed	ner or Owner's Designee, Title	Supv Site Modificatio	Date	May :	<u> </u>	,2002	-
	ter or Owner's Designee, The	Supv Site Moomcatio	ins Group	/			
```	$\bigvee$						
	$\overline{}$				1		
	C	ERTIFICATION O	F INSERVICE	INSPECTION			
					- Manad In	an adam and the Olate	
	ed, holding a valid com PENNSYLVANIA		vational Board of E				
	I. RHODE ISLAND	and employed by		have inspec	ted the com	ponents described	
	Report during the period	a 3-2.0-	D2 t		-02.	, and state that	
	y knowledge and belief,						
wner's Report	in accordance with the	requirements of the AS	SME Code. Section	n XI.			
By signing th	is certificate neither the	Inspector nor his empl	lover makes any w	arranty, expresse	d or implied	. concerning the	
aminations ar	nd corrective measures	described in this Owne	r's Report. Furth	ermore, neither th	e Inspector	nor his employer	
all be liable in	any manner for any pe	rsonal injury or propert	y damage or a los	s of any kind arisi	ng from or c	onnected with this	
spection.	• • • •					1	
Nn-		21.	n i a i	GOUT A	, la la	1 - 0 731	,
<u>Nell</u>	one. Ill	len co	mmissions <u>NB</u>	5845 H/	$\nabla J J B J$	<u>NS PACO</u> 6	
	Inspector's Signature	1	Nat	ional Board, State	Province,	and Endorsements	1
<b>T</b> .	ne 3 200	170					
ate UN	<u>nes 200</u>						1
							1

#### 183A-I

#### 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	5/22/2002	
	769 Sa	lem Blvd, Berwic			Sheet	1 of	1	
2. Plant	Sus	quehanna Stear		on	Unit		ONE	
	769 Sal	em Blvd, Berwig	-				9521 & 385099 n P.O. No., Job No., etc.	
3. Work Per	formed by		quehanna, LLC	<u>.</u>	Type Code Sy			
	769 Sa	lem Blvd, Berwic			Authorization	No	N/A	
					Expiration Da	te	N/A	
4. Identifica	tion of Syster	n	M	AIN STEAM S	SYSTEM 183	A, CLASS	l	
(b) Appl	icable Edition	uction Code of Section XI Utilize	d for Repairs or Re	eplacements 19	89	_ Addenda, _ (* SEE	* Co COMMENTS SEC	de Case TION)
6. Identifica	tion of Compo	onents Repaired or F	Replaced and Repla	acement Compor	nents			
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes o No)
1) VALVE	(DISC)	ANCHOR DARLING	5853-6-1	N/A	HV141F109	1975	REPLACED	YES
2) VALVE	(DISC)	ANCHOR	U5244	N/A	HV141F109	1990	REPLACEMENT	YES

N/A

N/A

7. Description of Work

3) SMALL PIPE ASSEMBLY PPL

Pressure

REPLACED VALVE DISC & REMOVED INDICATIONS ON SPDBA116-1.

Test Temp.

8. Tests Conducted: Hydrostatic

Other

Pneumatic Nominal Operating Pressure (* NON V

SPDBA116-1

1996

°F

(* NON VT-2 PER MI-PS-008)

REPAIRED

NO

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

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# 9. Remarks ORIGINAL ANCHOR DARLING CODE OF CONSTRUCTION ASME Sec III '71 Ed Winter '72 Add Applicable Manufacture's Data Reports to be attached

#### CC: 1516-1, 1534, 1535-2 & 1334-2. REPLACEMENT ANCHOR DARLING PART: ASME Sec III '71 Ed

Winter '72 Add No CC.

We certify that the statements made in the report are correct and this       REPAIR & REPLACEMENT       conforms to the rules of the         ASME Code, Section XI.       repair or replacement       replant or replacement       conforms to the rules of the         Type Code Symbol Stamp       N/A       N/A       N/A         Certificate of Authorization No.       N/A       Date       N/A         Signed       Owner or Owner's Desoned. Type       Date       N/A         Owner or Owner's Desoned. Type       Date       .20 ° Z         Certificate of, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of DENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of Instruction of the Report during the period       .3 - 19 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02       .4 - 22 - 02	CERTIFICATION	OF COMPLIANCE
ASME Code, Section XI.  Type Code Symbol Stamp	We certify that the statements made in the report are correct	
Certificate of Authorization No.       N/A       Expiration Date       N/A         Signed	ASME Code, Section XI.	
Certificate of Authorization No.       N/A       Expiration Date       N/A         Signed		
Certificate of Authorization No.       N/A       Date       N/A         Signed	Type Code Symbol Stamp	N/A
Owner or Owner's Designed. Title       Supv Site Modiffications 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 <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of <u>JOHNSTON, RHODE ISLAND</u> have inspected the components described in this Owner's Report during the period <u>3-/9-02</u> to <u>4-21-02</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.         By signing this certificate neither the Inspector or 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 Frequent       Commissions <u>NB 7980 A.N.F. B. NS</u> <u>PA 2204</u> National Board, State, Province, and Endorsements	Certificate of Authorization No. N/A	
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 3-19-02 to 4-21-02, 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.         William Maguetti         Commissions MB 7980 A.N.F. B. NS_PA2204         National Board, State, Province, and Endorsements	- Vignue	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of <u>JOHNSTON, RHODE ISLAND</u> <u>have inspected the components described</u> in this Owner's Report during the period <u>3-/9-02</u> to <u>4-2)-02</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	Owner or Owner's Designee, juire Supv Site Modifications Gro	
Date JUNE 21 2002	or Province of <u>PENNSYLVANIA</u> and employed by <u>JOHNSTON, RHODE ISLAND</u> in this Owner's Report during the period <u>3-/9-02</u> to the best of my knowledge and belief, the Owner has performed e Owner's Report in accordance with the requirements of the ASME O By signing this certificate neither the Inspector nor his employer examinations and corrective measures described in this Owner's Re shall be liable in any manner for any personal injury or property dan inspection.	FACTORY MUTUAL INSURANCE CO. of have inspected the components described to 4-2)-02, and state that examinations and taken corrective measures described in this Code, Section XI. makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the Inspector nor his employer mage or a loss of any kind arising from or connected with this
	Date JUNE ZI 2002	

-	FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. 1
L	(a) Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
	(b) Manufactored for Pennsylvania Power & Light Co., 2 N. 9th St., Allentown, PA 18101
2	Identification-Certificate Holder's Serial No. of Part
	(a) Constructed According to Drawing No D13048 Drawing Prepared by Anchor/Darling Valve Comp
	(b) Descripcion of Part Inspected Disc, Heat No. S6541 SA216-WCB
	(c) Applicable ASHE Code: Section III, Edicion 1971, Addenda dare Wht '72, Case No. N/A Class 1
3	Remarker 3"-900#-Gate (Brief description of service (or which component was designed) A/DV Shop Order P-F628-1
	A/DV Shop Order P-F628-1
	Note: No Disc Hydro Performed
Cer	tificate of Authorization Expires4/15/92
r	CERTIFICATION OF DESIGN FOR APPURTENANCE (when spplicable)
	Certuitene of Autoorization No.
5	CERTIFICATION OF DESIGN FOR APPURTENANCE (when spplicable) Design information on file m Rress analysis report on file m Design specifications certified by Prof. Eng. State Reg. No
5	CERTIFICATION OF DESIGN FOR APPURTENANCE (when spplicable) Design information on file at Gross analysis report on file at Prof. Eng. State Reg. No Tress analysis report certified by Prof. Eng. State Reg. No
5	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file m Gross analysis report on file m Design specifications certified by Prof. Eng. State Reg. No tress analysis report certified by Prof. Eng. State Reg. No CERTIFICATE OF SHOP INSPECTION
5	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file m Design specifications certified by Prof. Eng. State Reg. No Tress analysis report certified by Prof. Eng. State Reg. No CERTIFICATE OF SHOP INSPECTION  L, the undersigned, holding a volid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of State of State Pennsylvania and employed by Commercial Union Insurance Company
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file m Gross analysis report on file m Design specifications certified by Prof. Eng. State Reg. No tress analysis report certified by Prof. Eng. State Reg. No CERTIFICATE OF SHOP INSPECTION
	CERTIFICATION OF DESIGN FOR APPURTENANCE (where applicable) Cession information on file en Crease analysis report on file en Crease analysis report on file en Crease analysis report certified by Prof. Eng. State Reg. No CERTIFICATE OF SHOP INSPECTION

Data Aroust is services as cost store, and its west store to another to and entering and provided (1) size is \$11", (2) information in items 1-3 on this

I.

This form (E000.40) may be obtained from the Order Cept., ASME, 346 E. 47th St., New York, N.Y. 10017

## 183A-II

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

1. Owner	Owner PPL Susquehanna, LLC.						0	5/22/2002	
	769 Sa	lem Blvd, Berwid			Sheet	1	Of	3	
2. Plant	Sus	quehanna Stear		on	Unit	<del></del>		ONE	
	Name 769 Salem Blvd, Berwick, PA 18603 Address					Rep		tached List	
3. Work Per	formed by		squehanna, LLO	D	Туре		•	None	
	769 Sa	lem Blvd, Berwid			Autho	rization No	).	N/A	
		Address			Expira	tion Date		N/A	
4. Identifica	ation of Systen	n	М	AIN STEA	M SYSTEM	И 183A,	CLASS	II	
		of Section XI Utilize				ı W'72		C AGE 3 OF 3)	ode Case
6. Identifica	ition of Compo	onents Repaired or F	Replaced and Repl	acement Cor	nponents				
		Name of		National Board	1		Voor	Repaired, Replaced, or	ASME Code Stamped

-	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or No)
1)	VALVE	BORG WARNER	15018	N/A	1RV-PT-10101B	1976	REPLACED	YES
2)	VALVE	YARWAY	C0760	N/A	1RV-PT-10101B	1990	REPLACEMENT	YES
3)	VALVE	BORG WARNER	15358	N/A	2RV-PT-10101B	1976	REPLACED	YES
4)	VALVE	YARWAY	C0787	N/A	2RV-PT-10101B	1990	REPLACEMENT	YES
5)	SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SP-DBB-130-1	1982	REPLACED	YES
6)	SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SP-DBB-130-1	2002	REPLACEMENT	NO
7)	VALVE	YARWAY	6593	N/A	2RV-LSH-10112D/ 2RV-LSHH-10112D	1976	REPLACED	YES

7. Description of Work		SEE ATTACHED LIST	
8. Tests Conducted:	Hydrostatic Pneumatic Other Pressure	Nominal Operating Pressure psi Test Temp.	* NON VT-2 PER MI-PS-008

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.

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9. Remarks	_CODE DATA REPORT(S) ATTACHED
	Apolicable Manufacture's Data Records to be attached

CERTIFICATION	OF COMPLIANCE
We certify that the statements made in the report are correct	t and this <b>REPAIR &amp;</b> conforms to the rules of the <b>REPLACEMENT</b>
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization NoN/A	Expiration N/A
Signed	Date, 200 2
JOHNSTON, RHODE ISLAND in this Owner's Report during the period <u>10 - 25-01</u> to the best of my knowledge and belief, the Owner has performed Owner's Report in accordance with the requirements of the ASME By signing this certificate neither the Inspector nor his employed examinations and corrective measures described in this Owner's F	FACTORY MUTUAL INSURANCE CO. have inspected the components described to <u>4-21-02</u> , and state th examinations and taken corrective measures described in this Code, Section XI. makes any warranty, expressed or implied, concerning the

## 183A-II

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

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1. Owner		ehanna, LLC. Name			Date		05/22	/2002	
	769 Salem Blvd, Berv Address	vick, PA 1860	3		Sheet	2	of	3	
2. Plant	Susquehanna Ste	am Electric St	ation		Unit		0	NE	—
	769 Salem Blvd,, Ben Address	wick, PA 1860		<u></u>			ee Attach	ed List No., Job No., etc.	
3. Work Pe	rformed by PPL S	usquehanna, l _{Name}	LC.		Type Code	Symbol \$	Stamp	None	
	769 Salem Blvd, Berv Address	vick, PA 1860	3		Authorizatio	in No		N/A	
					Expiration D	Date		N/A	
4 Indentifi	cation of System		MAIN ST	EAM S	YSTEM_18	3A, CL	ASS II		
5. (a) App	blicable Construction Code	III* zed for Repairs of	19 _71 r Replaceme		thru W'72 89		denda, SEE PAGE	Code Cas 3 OF 3)	se
6. Identific	ation of Components Repaired of	r Replaced and R	Replacement	Compone	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)
8)	VALVE	YARWAY	A7309	284	2RV-LSH-10112D/ 2RV-LSHH-10112D	1979	REPLACEMENT	YES
9)	SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SP-DBB-103-4	1982	REPLACED	YES
10)	SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SP-DBB-103-4	2002	REPLACEMENT	NO
11)	VALVE	YARWAY	6532	N/A	1RV-LSH-10112D/ 1RV-LSHH-10112D	1976	REPLACED	YES
12)	VALVE	YARWAY	A7343	318	1RV-PP-10112B/ 1RV-LSHH-10112D	1979	REPLACEMENT	YES
13)	SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SP-DBB-103-6	1982	REPLACED	YES
14)	SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SP-DBB-103-6	2002	REPLACEMENT	NO
15)	VALVE	ANCHOR DARLING	5853-13-1	N/A	HV10109	1976	REPAIRED	YES

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

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1. Owner	PPL Susquehanna, LLC.	Date	05	/22/2002
<u></u>	769 Salem Blvd, Berwick, PA 18603	Sheet	3Of	3
2. Plant	Susquehanna Steam Electric Station	Unit		ONE
<del></del>	769 Salem Blvd., Berwick, PA 18603			CHED LIST P.O. No., Job No., etc.
3. Work Pe	erformed by PPL Susquehanna, LLC.	Type Code S	ymbol Stamp	None
	769 Salem Blvd, Berwick, PA 18603	Authorization	No	N/A
		Expiration Da	ite	N/A
4. Indentif	ication of System MAIN STEAM	SYSTEM 183	A, CLASS II	
	plicable Construction Code <u>ASME Sec III *</u> 19 <u>71</u> Editio plicable Edition of Section XI Utilized for Repairs or Replacements 19		Addenda, (* SEE LIS	N/A* Code Case
6. Identific	ation of Components Repaired or Replaced and Replacement Comp	onents		

ITEM(S)	WORK AUTH./ WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF WORK	CODE OF CONSTRUCTION
1-6	251333	01-183-002	1RV-PT-10101B, 2RV-PT-10101B & SPDBB-130-1 REPLACED VALVES AND ASSOCIATED PIPE	ORIG VALVE '74 Ed WIN '74 Add. REPLACE VALVE '86 Ed No Add
7-10	393126	02-183-010	2RV-LSH-10112D/2RV-LSHH-10112D & SPDBB103-4 REPLACED VALVE AND ASSOCIATED PIPE	ORIG VALVE '74 Ed WIN '74 Add. REPLACE VALVE '74 Ed WIN '75 Add
11-14	393126	02-183-011	1RV-LSH-10112D/1RV-LSHH-10112D & SPDBB103-4 REPLACED VALVE AND ASSOCIATED PIPE	ORIG VALVE '74 Ed WIN '74 Add. REPLACE VALVE '74 Ed WIN '75 Add
15	388034	02-183-012	HV-10109, REPAIRED VALVE BY PERFORMING STELLITE HARDFACING.	VALVE '71 Ed WIN '72 Add. CC1516-1 & 1534

* SHOP ORDER 72341 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. _5__ of _5__

		•				
1. Manufactured and	d certified by Yar	way Corporat	ion, Blue Be	ell, PA 194	22	
7			(name and address	of N Certificate Holde	er)	
2. Manufactured for	Penna. Powe	r & Light Co	npany, Aller	ntown, PA 1	8101	
		(name	and address of Purc	haser or Owner)		
3. Location of install	ation Susqueh	anna SES, Be	rwick, PA	18603		
••••••••			(name and a	address)		
4. Model No., Series	No., or Type 561	5B-F316L Draw	ing <u>109408</u>	RevA	CRN.	
			-			
5. ASME Code, Sec	tion III, Division 1:	1986		1		
		(edition)	(addenda date)	) (class)	(Coc	le Case no.)
6. Pump or valve	Valve	Nominal inlet size		_ Outlet size	1	-
		~ - <del>5A-10</del>	2- (in.)	ANCEDOEL		N / A
7. Material: Body _	Gr. F316L	Bonnet Gr. For	<u>- 630</u> nsm (Am	AMSSJOSE	Bolting	N/A
		SA-564 Gr	. 030 1134 (m			
(a)	(b)		(c) 9-18-90	(d)		(e)
Cert.	Nat'l		Body	Bonnet		Disk
Holder's	Board	1	Serial	Serial	5	Serial
Serial No.	No.		No	No.		No
C0760			BA	2906		NC
C0761				on this re		the same
<u> </u>		heat of	<u>:ode for eac</u>	ch piece lis	<u>tea</u>	
<u> </u>						<u> </u>
<u>C0769</u>	<u> </u>				·	
CC778					···· · ··	
<u>C0783</u>						
<u>C0786</u>		·				
<u>C0787</u>			<u> </u>			
<u> </u>						
C0791				· _ · · _ · _ · _ · _ ·	· · · · · · · · · · · · · · · · · · ·	
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C0796						
C0800		· · · · · · · · · · · · · · · · · · ·				
C0801					<u> </u>	
C0804						
C0810						
C0812		<u> </u>				••••
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C0822						
C0823						
C0827	<u>-</u>					
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* Supplemental information in form of lists, sketches, 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.

(12/86)

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

1. A. C. ...

## FORM NPV-1 (back)

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8. Remarks <u>Nuclear Service Valves, Oty. 23</u>
Bonnet (column d) is replaced by backseat bushing in this valve design.
9. Design conditions psi psi °F or valve pressure class(pressure) (temperature) (1) 10. Cold working pressure3000 psi at 100°F
11. Hydrostatic test <u>4500</u> psi. Disk differential test pressure <u>3300</u>
CERTIFICATION OF DESIGN         Design Specification certified by
CERTIFICATE OF SHOP COMPLIANCE
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1. N Certificate of Authorization No N-2449 Expires11/14/92
Date <u>9-17-90 Naithe</u> Yarway Corporation Signed <u>Corporation</u> (authorized representative)

CERTIFICATE OF S	HOP INSPECTION
have	and employed by <u>Arkwright Mutual Ins. Co</u> . inspected the pump, or valve, described in this Data Report on the best of my knowledge and belief, the Cartilians Multi-
By signing this certificate, neither the inspector nor his employ component described in this Data Report. Furthermore, neither t any personal injury or property damage or a loss of any kind arisi Date <u>9-17-90</u> Signed <u>JMA</u> . <u>Hinho</u> (Authorized Inspector)	the inspector por his employer shall be light at

(1) For manually operated values only.

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Assigned to: ????	FI	UK INFUKMATIUN UNLI		
8: * ·	FORM NPV-1 MANUFACTURERS	DATA REPORT FO	R NUCLEAR PUMPS ON	1 AL 1 23 1
	As Required by th	ne Provisions of the	ASNE Code Rules P.C	). <u>#</u> 36829
L. Manufacti	ured by YARWAY CORPORATIO	N, BLUE BELL, tress of Manufacturer)	PAOrder N	72082
	WASHINGTON PUBLIC			9779-41G
2. Manufact	WASHINGTON PUBLIC	be and Address) RIC	HLAND, WASHINGTO	
	WASHINGTON PUBLIC POWE	•		
3. Owner		•	•	
4. Location	of Plant RICHLAND, WASHI	SERVICE VALVE		
5. Pump or	VIIVE IGENTITICED ON			7 2 7
	SERIAL NUMBER(S) A	of service for which equi	26 EXCLUDING A7	525
·	•		· · · · · · · · · · · · · · · · · · ·	
	Ning No. 104561-06 P	repared byYAR	NAY CORPORATION	
	W 1 # 277 THRU 301	EXCLUDING #2	98	
	ional Board No.	, <b></b> .	•) •F or Pressure Class .	1500 psi (1)
G. Design	Conditions(Pressure)	(Temperatur	v)	2
The ma	terial, design, construction, and workman	nship complies with A	NON	E
Edition	1974, Addenda Dare_V	WINTER 1975.	Case No	
· · · · · · · · · · · · · · · · · · ·	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Ca	stings C7	AMS 5385	NOVA/HOWMET	DISC
-				· · · · · · · · · · · · · · · · · · ·
-				· · · · · · · · · · · · · · · · · · ·
-			•	DOCUMENT REVIEWED
	· · · · · · · · · · · · · · · · · · ·			NH 28 79 J. M. FEIL
				Br. U.E. & C.
			CAPE ANN TOOL CO.	BODY
(b) F	orgings Y8	SA105	LAPE ANY TOOL CO.	
	6581	SA564 Gr. 630	CARTECH CORP	BACKSEAT BUSHIN
				<u> </u>

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(1) For manually operated valves only. "Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is \$1/1" x 11", (2) information in items, 1, 2, So and So on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

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				FORM NPV-1	(back)	) · · ·				с.
		Mark No.		Material Spec	. No.	Manu	lacturer		Rem	arka 🕑
		NONE		+						<u> </u>
(c) <u>Bolti</u>	n <u>¢</u>	NONE								
					·					
(d) Othe	Parts	NONE								
·				•						T PEVIEWED
									DOCUMEN	
					<u></u> +				JUN 2879	J. M. FEI
									By:	. & C.
	• · · ·									
		5400		_		j.				
Hydrostati	c (es	5400		psi.						· ·
				CERTIFICAT	ION OF 1	nesign				
							HING	TON		
- • •-•		a file at	WPP	SS-RI	CHLAM	<b>, , ,</b>	112110	2011		
Design into	Mination o		NON							
			NON	E REQUIRE	D				WASH P	No. 15
Stress anal	ysis repo	et on file at .	RATH	IN BASU	D	(1)	Prol. Er	s. State.	WASH_R	rs. No. 15
Design spe	cification	as curvified b	RATH	IN BASU	D	(1)	Prol. Er	s. State.	WASH R	eg. No. 15
Design spe	cification	ns curtified b an certified b	7 <u>RATH</u> NON	<u>E REQUIRE</u> IN BASU E REQUIRE	D	(1)	Prol. Er	s. State.	WASH_R	rg. No. 151
Design spo Stress ana (1) Signatu	cification lysis repo re not req	ns curtified b an certified b puised. List s	Y RATH	<u>IN BASU</u> E REOUIRE	D	(1)	Prol. Er	s. State.	MASH_R	rg. No. 151
Design spo Stress ana (1) Signatu	cification lysis repo re not req	ns curtified b an certified b puised. List s	y <u>RATH</u> y <u>NON</u> name only.	IN BASU E REOUIRE	D D	(1)	Prol. En	s. State.	WASH_R R	eg. No. 15
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Design spe Stress ana (1) Signatu	cification lysis repo re not req	is curified b in certified b juired. List r instements m	y <u>RATH</u> y <u>NON</u> ade in this s 9 Signe	IN BASU E REOUIRE cport are correct d YARWAY (Manual		(1) (1) (1) RATIO	Prol. En Prol. En	ng. State ng. State / 00 // W . 2	lan	eg. No. 151
Design spo Stress ana (1) Signatu Ve certify Date	cification lysis repo renot req that the s <u>MAY</u>	as curtified b ra certified b ruired. List r matements m 2 19.7	y <u>RATH</u> y <u>NON</u> ade in this s 9 Signe	IN BASU E REOUIRE cport are correct d YARWAY (Manual		(1)	Prol. En Prol. En	ng. State ng. State / 00 // W . 2	lan	rg. No. 15 rg. No.
Design spo Stress ana (1) Signatu Ve certify Date	cification lysis repo renot req that the s <u>MAY</u>	is curified b in certified b juired. List r instements m	y <u>RATH</u> y <u>NON</u> ade in this s 9 Signe	IN BASU E REOUIRE cport are correct d YARWAY (Manual		(1) (1) (1) RATIO	Prol. En Prol. En	ng. State ng. State / 00 // W . 2	lan	rg. No. 15 rg. No.
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This form (200037, may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

FORM NPV-1 (back)

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Mark No.         Monte Spectrum           (c) Balting         NONE           (d) Other Parts         NONE           (d) Other Parts         DOCUMENT		Remarks	Manu(acturet				
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CERTIFICATION OF DESIGN Design information on file at <u>NONE REQUIRED</u> Stress analysis report on file at <u>NONE REQUIRED</u> Consign specifications certified by <u>RATHIN BASU</u> Consign specifications certified by <u>NONE REQUIRED</u> Stress analysis report certified by <u>NONE REQUIRED</u> (1) Prof. Eng. State <u>FASH_Reg.</u> (1) Signature not required. List name only. We certify that the statements made in this report are correct. Date <u>May 2</u> 19.79 Signed <u>YARWAY CORPORATION By W. A. JOLGE</u> (Marnel acturer) W. A. JOLGE Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980				i.	5400 P	-	مد آم در ا
Design information on file at <u>NONE REQUIRED</u> Stress analysis report on file at <u>NONE REQUIRED</u> Design specifications certified by <u>RATHIN BASU</u> (1) Prof. Eng. State <u>WASH</u> . Reg. Design specifications certified by <u>NONE REQUIRED</u> (1) Prof. Eng. State <u>Reg.</u> Stress analysis report certified by <u>NONE REQUIRED</u> (1) Prof. Eng. State <u>Reg.</u> (1) Signature not required. List name only. Fe certify that the statements made in this report are correct. Date <u>May 2</u> 19.79 Signed <u>YARWAY CORPORATION By W. A. JOLGE</u> (Monufacturer) W. A. JOLGE	•	••••					
Design information on life at <u>NONE REQUIRED</u> Stress analysis report on file at <u>NONE REQUIRED</u> (1) Prof. Eng. State <u>WASH</u> Reg. Design specifications curified by <u>NONE REQUIRED</u> (1) Prof. Eng. State <u>Reg.</u> Stress analysis report certified by <u>NONE REQUIRED</u> (1) Prof. Eng. State <u>Reg.</u> (1) Signature not required. List name only. Fe certify that the statements made in this report are correct. Date <u>May 2</u> 19.79 Signed <u>YARWAY CORPORATION By W. A. JOLGE</u> (Monufacturer) W. A. JOLGE Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980			•				
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Design specifications curvined by <u>NONE_REOUIRED</u> (1) Prof. Eng. State <u>Reg.</u> Stress analysis report certified by <u>NONE_REOUIRED</u> (1) Prof. Eng. State <u>Reg.</u> (1) Signature not required. List name only. Fe certify that the statements made in this report are correct. Date <u>May 2</u> 19.79 Signed <u>YARWAY CORPORATION By</u> <u>W</u> . A. <u>Molge</u> . (Monufacturer) <u>W</u> . A. <u>Molge</u> . Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980	No 1504	MACH Des No			in the st HONL	ign information (	Desig
Stress analysis report certified by <u>INCITE TOPO CERTIFY</u> (1) Signature not required. List name only. E'e certify that the statements made in this report are correct. Date <u>Nay 2</u> 19.79 Signed <u>YARWAY CORPORATION By W. A. JOLGE</u> (Monufacturer) W. A. JOLGE Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980	No.	e No	(1) Prof. Eng. Stat	N BASU			
(1) Signature not required. List name only. E'e certify that the statements made in this report are correct. Date <u>May 2 1979</u> Signed <u>YARWAY CORPORATION By W. A. JOLGE</u> (Monufacturer) W. A. JOLGE Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980			(1) Prof. Eng. Stat	REOUIRED	er certified by NONE	es analysis repo	Crees En
We certify that the statements made in this report are correct. Date <u>May 2 1979</u> Signed <u>YARWAY CORPORATION By W. A. JOLGE</u> (Monufacturer) W. A. JOLGE Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980	•				uired. List name only.	Signature not ret	(1) Si
Date <u>May 2</u> 1979 Signed <u>YARWAY CORPORATION</u> By <u>W. 1979</u> (Monufacture) W. A. OLGE: Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21, 1980</u>		, 1.					
Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980 V	1.	11/2	AI A	on me conect	statements made in this re	certify that the	Ve ce
Certificate of Authorization No. <u>N 1891</u> expires <u>OCTOBER 21</u> , 1980 V	<u></u>	D POLCEP	ORATION By	YARWAY CORP	2 10.79 Simed	. Ma'	
	`	A. JODGEN	הבר הברה היו	(Monulacturer)		rera	Date_
			<u>OBER 21, 1980</u>	expiresOCT	vization No. N 189		<b>.</b>
CERTIFICATE OF SHOP INSPECTION							Cerin
CERTIFICATE OF SHOT MSI DETTON		· ·	INSPECTION				
I, the undersigned, bolding a valid commission issued by the National Board of Boiler and Pressure Vesa	el laspecion	d Pressure Vessel In	ational Board of Boiler ar	ssion issued by the N	مسمم الملامين والمرور والم		
i, the undersigned, holding a valid commission issued by the National Board of Boiler and Pleasand and/or the State of Province of <u>PENNSYLVANIA</u> and employed by <u>PHILA</u> . <u>MANUFACTU</u> and/or the State of Province of <u>PHILADELPHIA</u> , <u>PA</u> . * have inspected the equipment describe	ALKO	MANUFACTURE	employed by PHILA.	VANIA and	PENNSY	i, the undersign	1,
and/or the State of Province of <u>PENNSIDVANIA</u> and employed of <u>MUTUAL INS. CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS. CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO. OF PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO.</u> <u>OF</u> <u>PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO.</u> <u>OF</u> <u>PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO.</u> <u>OF</u> <u>PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO.</u> <u>OF</u> <u>PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described of <u>MUTUAL INS</u> . <u>CO.</u> <u>OF</u> <u>PHILADELPHIA</u> , <u>PA.</u> have inspected the equipment described <u>MUTUAL INS</u> . <u>CO.</u> <u>OF</u> <u>PHILADELPHIA</u> , <u>PA.</u> have <u>inspected</u> <u>phi</u> . <u>Co.</u> have <u>and</u> <u>phi</u> . <u>A</u> <u>p</u>	in this Dat	ipment described in t	have inspected the equ	DELPHIA, PA.	S. CO. of PHIL	d/or the State of	and/(

of MOTCHES 1103. Core of a three to be and the second of t

Commissions

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DAULLARY DAVID I

NB 7525 PA 2159 (National Board, State, Province and No.)

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*PART OF THE FACTORY MUTUAL SYSTEM

#### 183D-III

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

	PPL Susque		Date	0	5/22/2002		
769	Salem Blvd, Berwi	ck, PA 18603	Sheet	1 of	1		
. Plant	Susquehanna Stea	Unit	Unit ONE				
769	_{Nam} Salem Blvd, Berwi				PCWO	# 256442	
	Address			Rep	air Organizatio	n P.O. No., Job No., etc.	<u>-</u> -
. Work Performed by	PPL Sus	squehanna, LLC		Type Code Syn	bol Stamp	None	
769	Salem Blvd, Berwie Address			Authorization N	D	N/A	
				Expiration Date		N/A	
4. Identification of Sys	stemMA	AIN STEAM RE	LIEF VALVE	DISCHARGE S	SYSTEM	183D, CLASS II	1
	Istruction Code tion of Section XI Utilize mponents Repaired or f		placements 19	89	Addenda,	Ca	ode 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)
1) LARGE PIPE (BOLTING)	BECHTEL	N/A	N/A	GCD-101-16	1982	REPLACED	YES
2) LARGE PIPE	PPL	N/A	N/A	GCD-101-16	2002	REPLACMENT	NO

 7. Description of Work
 REPLACED PIPE FLANGE BOLTING.

 8. Tests Conducted:
 Hydrostatic
 Pneumatic
 Nominal Operating Pressure
 * (* NON VT-2 PER MI-PS-008)

 Other
 Pressure
 psi
 Test Temp.
 *F

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

Remarks	NONE				
-		Apolicable Manufar	cturer's Data Reports to be attached	d	
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
		CEDTIEICATIC			
				E	
	rtify that the statements mad	ie in the report are corr			ns to the rules of the
ASME Code,	Section XI.		repair or repl	acement	
Type Code	e Symbol Stamp		N/A		
	•				
Certificate	of Authorization No.	N/A	Expiration Date		N/A
	<u>ь</u>				
Signed	461	all	Date Un	412	,2002
	Owner or Owner's Designee, Title	Supv Site Modifications	Group		
	CE	RTIFICATION OF	INSERVICE INSPEC	CTION	
the undersi	igned, holding a valid commi	ssion issued by the Na	tional Board of Boiler and	Pressure Vessel i	inspectors and the State
			FACTORY MUTUAL		
	ON. RHODE ISLAND		have i	nspected the corr	ponents described
	's Report during the period _ my knowledge and belief, th		<u>c</u> to <u>4</u> -	-21-02	, and state that
Owner's Ren	ort in accordance with the re	e Owner has performe	e examinations and taken	corrective measu	ares described in this
By signing	this certificate neither the In	spector nor his employ	ver makes any warranty, e	xpressed or impli	ed. concerning the
examinations	and corrective measures de	escribed in this Owner's	s Report. Furthermore, ne	either the Inspecto	or nor his employer
shall be liable	e in any manner for any pers	onal injury or property (	damage or a loss of any ki	ind arising from o	r connected with this
nspection.				·	
inil.	R P. P. aut	-	missions NIZ79RA	1 N T T .	IS PAZZAA
Nuna	Inspector's Stanature	Com	nmissions <u>NB7980</u> National Boar	d State Province	and Endorsements
_					
Date JUN	<u>15 21 2002</u>				

## 183H-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 Susquehanna, LLC.					05/22/2002				
	769 Salem Blvd, I		18603		<u></u>	Sheet _	1	of		1
2. Plant	Susquehanna Steam Electric Station			Unit	=	ONE				
	769 Salem Blvd, Addre		18603						# 322448 P.O. No., Job No.,	elc.
3. Work Performed by PPL Susquehanna, LLC.				Type Code Symbol Stamp None		one				
	769 Salem Blvd, E		18603			Authoriza	tion No.		N/A	
						Expiration	Date		N/A	
4. Identifica	ation of System	М	SIV LEA	KAGI	E CONT	ROL SYS	STEM 18	33H, CI	LASS II	
(b) App	licable Construction Code licable Edition of Section XI ation of Components Repair	·				thru W	72 Ac	idenda,		Code Case
c										

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) TUBING SUBASSEMBLY	BECHTEL	N/A	N/A	JD-10-3-1D	1982	REPLACED	YES
2) TUBING SUBASSEMBLY	PPL	N/A	N/A	JD-10-3-1D	2001	REPLACMENT	NO

7. Description of Work	REPLACED TUBING CAP.						
8. Tests Conducted:	Hydrostatic Pneumatic	Nominal Operating Pressure	(* NON VT-2 PER MI-PS-008)				
	Other Pressure	psi Test Temp.	*F				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informa-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 recorded at the top of this form.

Remarks NONE	
Applicable Manufacturer's Data Reports to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this <b>REPLACEMENT</b> conforms to the rules of the ASME Code, Section XI.	
ASME Code, Section XI. repair or replacement	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Date N/A	
Date N/A Date	
Signed Sulla Date Charles ,2002	
Owner's Designée, Title Supv Site Modifications Group	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta r Province of	
JOHNSTON, RHODE ISLAND have inspected the components described	
this Owner's Report during the period $5 - 7 - 07$ to $4 - 27 - 02$ , and state the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	at
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 aspection.	
United No.         Commissions         NB 7980 A.N. I. B.NS         PA 2204           Inspector's Signature         Commissions         National Board, State, Province, and Endorsements	_
Date JUNE ZI 2002	

)

in accordance v	with provisions of the National Boar	d Inspection Code			
1. Work performed by	PPL Susquehanna, LLC	00-139-001 (Form B No.)			
	707 Salem Blvd. Berwick, PA 18603				
2. Owner	Owner PPL Susquehanna, LLC				
	(name) 707 Salem Blvd. Berwick, PA 18603				
	(address)				
3. Location of installation	PPL Susquehai (name)	nna, LLC			
	707 Salem Blvd. Berwick, PA 18603 (address)				
4. Unit identification	sel Name of original manufacturer	Allied Steel Products, Inc.			
5. Identifying nos.: K-74-70	7592 469344	1F106C 1975			
(mfg serial no.) 6. NBIC Edition/Addenda:	(National Board No.) (iurisdiction no.) 1998	(other) (vear built) 99			
6. NBIC Edition/Addenda.	(edition)	(addenda)			
Original Code of Construction for	Item: ASME Sec. VIII Div. 1 (name/section/division)	1974 Edition Winter 1974 Addenda (edition/addenda)			
Construction Code Used for Repair	Performed:ASME Sec. VIII Div	1 1998 Ed. 1999 Add.			
7. Repair Type: 🛛 🗶 Welded	(name/section/division)	(edition/eddenda)			
	repair of attachment weld to shell wall.				
	(use supplemental sheet. Form	R-4. if necessarv)			
	······				
Pres	sure Test, if applied <u>N/A</u> psi	MAWP <u>N/A.</u> psi			
9. Replacement Parts: Attached are M	Manufacturer's Partial Data Reports or H	Form R-3s properly			
completed for	the following items of this report:				
None					
(pam	e of part, item number, data report type, mfr's name and identifyi	og stamp)			
10. Remarks: _Surface examination p	performed on final weld surfaces.				
ER CERLACH PE	CERTIFICATE OF COMPLIANCE				
I, C.G. GERCACH, J.C., cer	rtify that to the best of my knowledge and b rkmanship on this Repair conforms to the N	elief the statements in this report are correct			
National Board "R" Certificate of Authori		rgs on Novembor 32002			
Date June 18, 2002 PPL Sus	squehanna, LLC_Signed	Terlach			
(name of :	repair organization)	(authorized representative)			
	CERTIFICATE OF INSPECTION				
I WILLIAM R POGES THE ho	lding a valid Commission issued by The Na	tional Board of Boiler and Pressure Vessel			
	ssued by the jurisdiction ofPennsylv				
	ofJohnston, Rhode Island				
	on $12-8$ , 2000 and state that				
	ments of the National Board Inspection Cod				
	ersigned nor my employer makes any warra				
-	nore, neither the undersigned nor my emplo oss of any kind arising from or connected wi	•			
Data Turing 21 2man Simudial	iline PRos	•			
Date June 21, 2002 Signed	(inspected)	ns NG7980A PA2204 (National Board (incl endorsements), and jurisdiction, and no.)			

## FORM R-1 REPORT OF WELDED REPAIR

(

(

1	FORM U-IA M/	FACTURERS' DA	TAREPORT FOR P	6. SURE VESSE	1.5 11 7 -
• 4		r Single Chamber U			
HF-HOGC	As Required by t	a. Provisions of the	ASME Code Rules, S	e don VIII, Divis	ion 1 1F106
1. Manufactured by	ALLEDSEL	EL PRODUCTS	C DIMENATION	. CENILION	IN. N.J. (89
		1.1	and andress of Manufacture	_	C. T. Bana and
2. Manufactured for	Cochrane Div	(Na (Na (Na (Na (Na (Na (Na (Na (Na (Na	me and well are of Purchase		ST: Ponnsylvanja
Vert	Manual No. (	1-74-73	Mar Nall, Bd. No.	7592 JY	Built 1975
3. Type (Horiz, or V	ert.) (!	M(rs. Serial) Nom	Mile No.)		
4. SHELL: Marl.	T.S.	Thk. In Fig. or F.H. & Spec. Min. T.S	AllowIn. Diam.	Ft In. Le	ngth Ft In.
•				Efficiency	of If rivered or
). SEAMS: Long (Welded, )		(Yes or No) ¹ R.T.			
Girth	DBW II.T.	NO R.COM	platosectioned NO	No. of Courses	remarks.
		79 70.099	(b) Material SA-51;	-Gr.70 Te	76,000
G. HEADS: (a) Mate Location (Top, bottom,		Crown Knuckle Radius Radius	Elliptical Conical F Ratio Apex Angle	femispherical Flat Radius Diamete	Side to Pressure (Convex or Concave)
(a) 100	<u> 1 / min.</u>	· · · ·			Concave
(b) Eutton				<u> </u>	Concavn
lf removable, bol	ts used(Material, Spe	c.No., T.S., Size, Number)	Other fastening	(Describe or Alli	ech Sketch)
7 C		186	Min. temp. (when	Hydrostat Presmitte	ic Jobs Test 1 + + + +
7. Constructed for r allowable workin	ig press. ² 749 psi	at max. temp. 150 o	F. less than $-20^\circ$	F. Combirmer	on Press 1, 17 psi.
	LIFE VALVE OUTLE	TS: Number 1 - 1022	1e size 1-1/4"-4	ALocation Nat	uhole Cover
9. NOZZLES:	LIEF VALVE OUTLE	13. Humber			
Purpose (Inlet, Outlet, Drain)	Number Dia	m. or Size Type		Reinforcem ckness Material	Attacred
Inlet		dia. SA-240-			<u>-1/4 welded to sp</u>
Outlet		nape Size ig -		ded to schere	
OPENINGS: 1	landholes, No.	Size	Location (	A. Ped) 1 x	6-1/4 wide
1	Threaded, No	Size	Location		·
-		4	Orbor	Auached Wel	ded to Sphere
11. SUPPORTS: Skin	(Yes or No)	(Number) Legs 4 (Number)	(Describe)	(w	here & How)
12. REMARKS (List	applicable special ser	vices in accordance with	UC-120(d)):	A	1.16. 51 ACD. 30
#9 (co)	minued) (2) 6	ala 3 21712	Ulass (3) - 3	GANE W. N. F.	136. WI BCIL DI
pipe a		Lover. All inte	ernal parts - mi	anifuld box, c	IC EA-21 - T-31
8. S. (	the second s	d lift lugs. T	ani: Rubber Line	ed By Others.	
		TANA NO. 3.	FLAN 1		
		of purpose of the vessel as	hir Tank, Water Tank, L.P.		•
	² List other in	nternal or external pressures	with coincident temperatur	e when applicable. naterial, construction, a	nd workmanship of this vessel
conform to the ASME	of the statements made in Code for Pressure Vessel	is, Section VIII, Division I.	Products Cor	P. Faria	I F. Monsi
Date August	t 19 73 s	Signed rulled Cherry	inufacturer)	by floor floor	E. Mensi
Certificate of Aut		85 Expires	February 29, 19	78	
Centificate of Aut		CERTIFICATE OF	SHOP INSPECTION		
	Allied Ster	el Products Cor	n. senilwor	th. New Jers	ey
VESSEL MA	DE BY	d complexion issued by th	e National Board of Boile	r and Pressure Vessel	hapectors and/or
i, the und the State or	Province In. X.	and employed by COI	amercial Union	THE COMPANY	01
	liceton, mass	•	have inspected the pressure	e vessel described in th	is manufacturer's
data report o	ភាវរេទ្យបទវ		, and state that to the best		
turer has con	astructed this pressure ve	easel in accordance with the or the Inspector nor his empl	over makes any warranty, e	xpressed or implied, con	ncerning the pres-
		noturer's data report. Furth	ermore, neither the Inspect	or nor his employer shal	I De liable in any
manner for a	my personal unjury or pron	herty damage or a loss of an	y kind arising from or conne	cted with this inspectio	n.
Date		TT : A	N.	B. 4683 Pard, State, Province and	
	dispector's Signature		the second s	ard, State, Province and 3.15 E. 47th St., New	

Printed in U.S.A. (6/73) This form (E2) is obtainable from the ASME Order Dept., 3-15

