APPENDIX D

ASME REPAIRS AND REPLACEMENTS NIS-2 Forms

APPENDIX D.1 MECHANICAL MAINTENANCE NIS-2 Forms

UNIT 2 TENTH REFUELING AND INSPECTION OUTAGE MAINTENANCE CODE REPAIR AND REPLACEMENT

1.0 <u>INTRODUCTION</u>

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 2 Tenth Refueling and Inspection Outage.

2.0 <u>CODE COMPLIANCE SUMMARY</u>

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 Seciton XI Repairs and Replacements.

3.1 <u>SECTION XI REPAIRS AND REPLACEMENTS</u>

<u>W.O. NO.</u>	522 FORM NO.	DISCRIPTION OF WORK
		SYSTEM NO. 211A, ASME CLASS III
102415	99-211-001	209091, Replaced Valve Disc
		SYSTEM NO. 216A, ASME CLASS III
229132	01-216-001	PSV-21213A, Replaced Valve Disc
312089	01-216-002	HV21210B, Replaced Valve and Leak Off Plug
324011	01-216-003	212016, Replaced Stem/Disc & Backseat Bushing
		SYSTEM NO. 225A, ASME CLASS II
266728	00-225-001	226018 & 226029, Replaced Valve
		SYSTEM NO.234D, ASME CLASS III
P82170	99-234-005	2E231D, Replaced Upper Flex Hose
218406	00-234-005	2E231D, Replaced Flex Hose and Excavated areas for inspection
218406	00-234-012	2E231D, Repaired areas of Corrosion
218408	00-234-006	2E231B, Excavated areas for inspection

218408	00-234-011	2E231B, Repaired areas of Corrosion
272644	00-234-014	2E231C, Excavated areas for inspection
272644	00-234-016	2E231C, Repaired areas of Corrosion
272653	00-234-015	2E231A, Excavated areas for inspection
272653	00-234-017	2E231A, Repaired areas of Corrosion
272653	00-234-018	SPHRC-221-1, Repaired areas of Corrosion
2,200		•
		SYSTEM NO. 234E, ASME CLASS III
		STOTEM NO. 234D, ADMIL CENSO III
P84623	99-234-006	2E229B, Repaired areas of Corrosion
P84623	99-234-007	2E229B, Replaced Upper Flex Hose
298381	00-234-013	SPHRC219-5 & SPHRC220-5, Replace pipe flanges & Support Bolts
		SYSTEM NO. 234F, ASME CLASS III
200505	00 224 002	2E228B, Replaced Lower Flex Hose
P83507	99-234-003	2E228A, Repaired areas of Corrosion
P83506	99-234-004	2E228A, Repaired areas of Corrosion
		SYSTEM NO. 234G, ASME CLASS III
101367	00-234-001	2E230C, Excavated areas for inspection & Replaced Upper Coil Upper Hose
101367	00-234-002	2E230C, Repaired areas of Corrosion
207139	00-234-003	2E230D, Excavated areas for inspection & Replaced 3 Flex Hoses
207139	00-234-008	2E230D, Repaired areas of Corrosion
207140	00-234-004	2E230B, Excavated areas for inspection
207140	00-234-007	2E230B, Repaired areas of Corrosion
249098	00-234-019	2E230A, Excavated areas for inspection
249098	01-234-003	2E230A, Repaired areas of Corrosion
249098	01-234-004	SPHRC227-1, Replaced Pipe Flange
282717	00-234-020	2E230B, Excavated areas for inspection
282717	01-234-002	2E230B, Repaired areas of Corrosion
		SYSTEM NO. 245A, ASME CLASS II
204073	99-245-004	HV-241F032B, Seal Weld Valve Bonnet Pipe Plug
229920	00-245-001	HV-241F032B, Repaired Disc by Machining and Tack Welded soft seat bolts
321384	01-245-001	HV-241F032A, Repaired Disc by Machining and Tack Welded soft seat bolts
		SYSTEM NO. 249A, ASME CLASS II
214917	99-249-015	GBB212-2, Replaced flange bolting
215804	99-249 - 016	GBB212-1, Replaced flange bolting using Lock-tite
215805	99-249-017	GBB212-1, Replaced flange bolting using Lock-tite
107307	00-249-001-1	PSH-E11-2N022A, Replaced Valve & associated fittings
219132	00-249-001-2	GBB212-2, Replaced flange bolting using Lock-tite
219134	00-249-002	GBB212-2, Replaced flange bolting using Lock-tite
233553	01-249-004	HV251F024A, Blended areas of erosion and Tack Weld disc to disc nut
321008	01-249-009	251018, Replaced valve stem disc and back seat bushing HV251F016B, Tack Weld disc to disc nut
320851	01-249-012	

		SYSTEM NO. 249A, ASME CLASS III
230631 326172	00-234-021 01-249-017	SPHBC240-H5003, Removed and Installed SPD Clip SPHBC239-3 / SPHBC240-3, Replace bolting
		SYSTEM NO. 249B, ASME CLASS II
226500	01-249-005	2E205A, Replaced Bolting
226500	01-249-007	2E205A, Installed Tube Plugs by welding
231257	01-249-008	PSV-25106A, Replaced Disc and Base
226503	01-249-011	2E205B, Replaced Bolting
231249	01-249-012	PSV-25106B, Replaced Disc and Base
231260	01-249-010	SPGBB206-2 Replace Flange Nut
		SYSTEM NO. 249E, ASME CLASS II
247604	01-249-006	HV-251F021B, Replaced Valve disc
		SYSTEM NO. 249G, ASME CLASS I
275214	01-249-001	HV-251F050B, Replaced Valve disc & Bonnet Pipe Plug
301695	01-249-003	HV251F122B, Replaced Stem/Disc Assembly
276613	01-249-014	SPDCA210-1, Repaired Socket Weld with Extended Leg Fillet
276647	01-249-015	SPDCA210-2 Repair Socket Weld with extended leg fillet
229319	01-249-016	PSV-251F126, Replaced disc and Machined Base
		SYSTEM NO. 250A, ASME CLASS II
260916	01-250-001	PSV-250F017, Replaced Valve disc & nozzle
		SYSTEM NO. 252B, ASME CLASS II
V90119	99-252-002	LSH255N014R1, Replace Stem/Disc
V90119	99-252-003	LSH255N014R4, Replace Stem/Disc
275455	00-252-001	PSE2D003/4, Replace rupture discs
107747	01-252-001	JD-33-3-2A, Replace Five Valve Manifold
234602	01-252-004	PSV256F020, Replace Nozzle
		SYSTEM NO. 253A, ASME CLASS II
220215	00 252 001	248F004A, Replaced SQUIBB Inlet Fitting and Trigger ASSM
229315	00-253-001	248F004B, Replaced SQUIBB Inlet Fitting and Trigger ASSM
229312	00-253-002	2401.0040' Vehiacen 2601DD Illiet Littling and 11188et Vocal

SYSTEM NO.	255,	ASME	CLASS	III

256813 252005	00-255-004 00-255-005	246027 & 246028, Prefabrication Activities 246027 & 246028, Installation Activities
		SYSTEM NO. 255B, ASME CLASS II
229500	00-255-001	HCU-4227, Replaced Nitrogen Accumulator
252689	00-255-002	HCU-3815, Replaced Nitrogen Accumulator
252690	00-255-003	HCU-5031, Replaced Nitrogen Accumulator
107603	00-255-005	247F102-0639, Replaced Valve Disc
107604	00-255-006	247101-3843, Replaced Valve Disc
107605	00-255-007	247101-2647, Replaced Stem/Disc Assembly
272667	00-255-008	HCU-1823, Replaced Nitrogen Accumulator
296965	00-255-009	HCU-2615, Replaced Nitrogen Accumulator
296968	00-255-010	HCU-2647, Replaced Nitrogen Accumulator
		SYSTEM NO. 259A, ASME CLASS MC
219921	00-259-001	X003, Containment Head using New Gasket
230171	00-259-002	X-200B, Suppression Pool "B" Hatch using New Gasket
230169	00-259-003	X-200A, Suppression Pool "A" Hatch using New Gasket
230675	00-259-004	X-001, Equipment Hatch using New Gasket
230167	00-259-005	X-006, CRD Hatch using New Gasket
		SYSTEM NO. 261A, ASME CLASS III
208604	99-261-007	245029B, Replaced Valve Body, Bonnet & Bolting
222548	00-261-002	245060B, Replaced Valve Plug.
223362	00-261-003	245042A & 245043A, Replaced Valves & Associated Pipe
223342	00-261-004	FV-24566B, Replaced Valve Bonnet Pipe Plug
		SYSTEM NO. 261B, ASME CLASS III
189729	99-261-004	2P221B, Replaced RCWU Pump
191040	99-261-005	2P221B, Replaced Pump Probes with Pipe Plugs.
223362	00-261-003	2P221B, Replace Pump Pipe Plugs with Probe Glands.
193980	00-261-005	2P221A, Replaced RCWU Pump
189033	00-261-007	244F005B, Repaired Valve by Machining.
		SYSTEM NO. 262A, ASME CLASS I
222200	G01 262 012	HV-241F022D, Replaced Valve Bolting
322298 223797	G01-262-013 00-262-001	HV-241F001, Replaced Valve Boiling HV-241F001, Replaced Valve
223797	00-262-001	HV-241F001, Replaced Valve
271772	00-262-003	HV-241F001 & HV241F002 & HV241F005 Prefabrication Activities
271772	00-262-003	HV-241F001 & HV241F002 Replaced Valves and associated Pipe
231997	00-262-017	PSV 241F013A, Shop Refurbishment Activity
		, .

271991	00-262-006	PSV 241F013A, Replaced Valve & 2 Nuts
231997	00-262-018	PSV 241F013C, Shop Refurbishment Activity
272013	00-262-007	PSV 241F013C, Replaced Valve & 4 Nuts
231997	00-262-019	PSV 241F013E, Shop Refurbishment Activity
272023	00-262-008	PSV 241F013E, Replaced Valve & 3 Nuts
231997	00-262-020	PSV 241F013G, Shop Refurbishment Activity
272027	00-262-009	PSV 241F013G, Replaced Valve & 3 Nuts
231997	00-262-021	PSV 241F013J, Shop Refurbishment Activity
272031	00-262-010	PSV 241F013J, Replaced Valve & 2 Nuts
231997	00-262-022	PSV 241F013M, Shop Refurbishment Activity
272033	00-262-011	PSV 241F013M, Replaced Valve & 1 Nuts
231997	00-262-023	PSV 241F013P, Shop Refurbishment Activity
272042	00-262-012	PSV 241F013P, Replaced Valve & 2 Nuts
231997	00-262-024	PSV 241F013S, Shop Refurbishment Activity
272059	00-262-013	PSV 241F013S, Replaced Valve
231034	00-262-015	HV-241F022C, Replaced Valve Stem
229961	00-262-025	Replaced CRD 30-39 and 8 Housing Bolts
229972	00-262-026	Replaced CRD 38-07 and 8 Housing Bolts
229974	00-262-027	Replaced CRD 38-55 and 8 Housing Bolts
229953	00-262-028	Replaced CRD 22-43 and 8 Housing Bolts
294627	00-262-029	Replaced CRD 26-23 and 8 Housing Bolts
294628	00-262-030	Replaced CRD 54-15 and 8 Housing Bolts
229950	00-262-031	Replaced CRD 18-11 and 8 Housing Bolts
229948	00-262-032	Replaced CRD 10-43 and 8 Housing Bolts
229973	00-262-033	Replaced CRD 38-11 and 8 Housing Bolts
272661	00-262-034	Replaced CRD 50-19 and 8 Housing Bolts
272707	00-262-035	Replaced CRD 58-43 and 8 Housing Bolts
294629	00-262-036	Replaced CRD 18-03 and 8 Housing Bolts
229968	00-262-037	Replaced CRD 30-59 and 8 Housing Bolts
229971	00-262-038	Replaced CRD 34-59 and 8 Housing Bolts
229959	00-262-039	Replaced CRD 26-39 and 8 Housing Bolts
229949	00-262-040	Replaced CRD 14-23 and 8 Housing Bolts
229946	00-262-041	Replaced CRD 02-27 and 8 Housing Bolts
229954	00-262-042	Replaced CRD 26-19 and 8 Housing Bolts
229951	00-262-043	Replaced CRD 22-27 and 8 Housing Bolts
272703	00-262-044	Replaced CRD 54-31 and 8 Housing Bolts
229977	00-262-045	Replaced CRD 50-15 and 8 Housing Bolts
294630	00-262-046	Replaced CRD 46-19 and 8 Housing Bolts
294631	00-262-047	Replaced CRD 58-35 and 8 Housing Bolts
296529	00-262-048	Replaced CRD 30-55 and 8 Housing Bolts
227184	01-262-001-01	DBA-212-1, Repair Pipe Flange by Machining
231032	01-262-001-02	HV241f028B, Remove seal bonnet seal weld
232054	01-262-002	DBA-212-1, Flange M-1, Replaced Studs and Nuts
232054	01-262-003	DCA-211-3, Flange(s) M-1 & M-3, Replaced Studs and Nuts
321032	01-262-007	HV242F028B, Replaced Valve bonnet bolting
298726	01-262-008	HV242F022B, Replaced Valve Stem
272184	01-262-010	2S401, Repaired Reactor Nozzle by Machining
231034	01-262-011	HV-241F022C, Replaced Body to Bonnet Bolting

257014 107784 294483 276825 276651	00-264-012 00-264-013 00-264-016 01-264-002 01-264-003	243F025B & 243F026B, Prefabrication Activities 243F025B & 243F026B, Replaced Valves and associated Pipe 243F026A & 243F026A, Replaced Valves and associated Pipe Replaced Rx Recirculation Pipe Flange Bolting SP-DCA-215-2, Installed Unequal Leg Fillet Weld
		SYSTEM NO. 264D, ASME CLASS II
221461 276619 276632 258183	99-264-008 00-264-010 00-264-011 00-264-018	SPDCA220-1, Replaced Pipe & Installed Unequal Leg Fillet Weld SPDCB-205-2, Installed Unequal Leg Fillet Weld SPDCB208-2, Installed Unequal Leg Fillet Weld XV-243F003A, Replaced Valve
		SYSTEM NO. 273A, ASME CLASS II
229506	00-273-001	SV-25782A, Replaced Disc Assm and Weld Body to Bonnet
		SYSTEM NO. 283A, ASME CLASS II
221353	99-283-013	SP-DBB-204-2-64, Replaced Stem/Disc & Backseat
189389	99-283-014	SP-DBB-201-2-56, Replaced Stem/Disc & Backseat
283044	00-283-004 01-283-001	HV-20108B, Replaced Stem/Disc & Backseat 2RV-PSL-2N015D, Replaced Stem/Disc & Backseat
318569 319411	01-283-001	HV-20108A, Replaced Stem/Disc & Backseat
		SYSTEM NO. 283B, ASME CLASS III
231032	01-283-002	SPHCC236-H5017, H5018, H5019, Replaced SPD Clips
		SYSTEM NO. 283E, ASME CLASS III
107549	01-283-024	241F036R, Replaced Valve Ball
		SYSTEM NO. 293G, ASME CLASS II.
324497	01-293-001	1RV-PDT-20101A, Replaced Stem/Disc & Backseat

4.0 REPAIR SUMMARY

Work in this category is comprised of Work Authorization of Seciton VIII Repairs and Replacements.

4.1 NATIONAL INSPECTION BOARD CODE SECTION VIII REPAIRS

PCWO	522 Form No	Description of Work
264589	01-247-001	2E103A, Flush patch and weld repair
264589	01-247-004	2E103A, Flush patch and weld repair
264589	01-247-012	2E103A, Flush patch and weld repair
264591	01-247-002	2E103B, Flush patch and weld repair
264591	01-247-005	2E103B, Flush patch and weld repair
264591	01-247-010	2E103B, Flush patch and weld repair
264591	01-247-015	2E103B, Flush patch and weld repair
264594	01-247-003	2E103C, Flush patch and weld repair
264594	01-247-006	2E103C, Flush patch and weld repair
264594	01-247-009	2E103C, Flush patch and weld repair
264594	01-247-011	2E103C, Flush patch and weld repair
264594	01-247-016	2E103C, Flush patch and weld repair
279872	01-247-008	2E104A, Flush patch and weld repair
279872	01-247-013	2E104A, Flush patch repair
279872	01-247-014	2E104A, Alteration: Reinforcement weld at 2" nozzle
107697	01-247-007	2E104C, Flush patch repair
226492	01-264-001	2E126B, Weld repair 3/4" channel drain nozzle

1. Owner		hanna, LLC		Date	6	/5/2001	
Two	Na North Ninth St., Aller	ntown, PA 1810	1	Sheet	1 of	1	
2. Plant	Address Susquehanna Stea			Unit		Two	
	Nan	ne			PCWC	102415	
PO Box	467 / 707 Salem Blvd Address	, Berwick, PA	18603	Rep		P.O. No., Job No., etc.	
3. Work Performed	d by PPL St	squehanna, LLO	<u> </u>	Type Code Syn	nbol Stamp	None	
Two	North Ninth St., Alle		1	Authorization N	o	N/A	
	Address			Expiration Date		N/A	
4. Identification of	f System		211A - Sei	vice Water; Cl	ass 3		
5 (a) Applicable	Construction Code	III * 19	71 Edition,	thru W'72		1516-1, 1567, 1335-9 Co	ode Case
(b) Applicable	Edition of Section XI Utiliz	ed for Repairs or Re	eplacements 19	89 Ed	-		
6. Identification o	f Components Repaired or	Replaced and Repl	acement Compor	nents			
Name of Componer	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Check Valv	re Pacific Valve	0289-6	NA	209091	1976	Replaced	Yes
Disc	CCI	M159460	NA	209091	1998	Replacement	Yes
L			<u> </u>				
7. Description of	Work		Repla	ace valve disc			<u></u>
8. Tests Conduc	· —	Pneumatic [essure NA		Operating Pressurest Temp.	e		
tion in iten	upplemental sheets in form ns 1 through 6 on this rep t the top of this form.	of lists, sketches, ort is included on	or drawings may each sheet, and	be used, provide (3) each sheet is	d (1) size is numbered	8½ in. x 11 in., (2 and the number of	2) informa- f sheets is

FORM NIS-2 (Back)

9. Remarks Code Data Report attached
Applicable Manufacturer's Data Reports to be attached
* Replacement disc is ASME III, 1971 Edition through Winter 1972 Addenda, No Code Cases
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
, construction of the cons
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Of Date Lone 22 , 20 0 (
Owner or Owner's Designee, Tiple Supv Site Modifications Group
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of
in this Owner's Report during the period DEC 9, 1999 to APRIL 23, 2001, 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.
Inspector's Signature Commissions NB 7525 IBNA PA 2157 National Board, State, Province, and Endorsements
Date June 22 20 01
20-7

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

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

Not to Exceed One Day's Production Pg. 1 of 2

Manufactured and certified by	YLVANIA POWER & LIGHT	name and add MOTON ALLENTON	ress of Certificate /N PA	(iunum)		
Manufactured for PENNS	YLVANIA POWER & LIGHT	(name and address	of purchaser)			
SUS CONTRACT CONTRACT	SQUEHANNA STEAM ELE			Α		
Location of installation SUS	AUCH MINIOR STATE	(name and ad	dress)			
C07507	SA516-GR.70	70.0 KSI	N/A			1998
Туре С97037	(mat'l spec. no.)	(tensile strangth)	(CRN))		(year built)
(drawing no.)	1971	WINTER 1972	/	3		N/A
ASME Code, Section III, Division 1:	(edition)	(addenda date)		(class)		(Code Case no.
Fabricated in accordance with Cons	st. Spec. (Div. 2 only)	N/A	Revision	N/A	Oate	N/A
		(na.)				
Remarks FOR A 4", 150# P	V SWING CHECK VALVE					
		-				
	CCI MO# 159460, PN	C07027E807				
			N/A	Length ove	ratt (ft & in.)) 2.5"
Nom. thickness (in.) .63" Mi	n. design thickness (in.) .60"	Dia. ID (ft & In.)		Lengarora	<u></u>	
When applicable, Certificate Holde	rs' Data Reports are attached f	for each item of this r	eport:			
trijo. approzen		<u> </u>				
`	Mational	Par	t or Apurtenano	ce	. Na	ational
Part or Apurtenance	National	1 1	Serial Number		Во	ard No.
Serial Number	Board No.			1	in Num	nerical Order
	in Numerical Order					
		100				
(1.) M159460	N/A	(26.)		-+		
(2.)		``		<u>i</u>		
(3.)		(28.)		i		
(4.)						
(5.)	<u></u>					
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(6.) (7.) (8.) (9.) (10.) (11.) (12.) (13.) (14.) (15.) (16.) (17.) (16.) (19.) (20.) (21.)		(33.) (34.) (35.) (36.) (37.) (38.) (39.) (40.) (41.) (42.) (43.) (44.) (45.) (46.)				

"Supplemental information in the form of 5sts, sketches, or drawings may be used provided (1) size is 8 1/2 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 to sheets is recorded at the top of this form.

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

c

FORM N-2 (Back - Pg. 2 02_)

	Certif	ficate Holder's Serial Nos.	SEE	PG. 1	through	
	· · · · · · · · · · · · · · · · · · ·					
- ·	CERTIFICAT	TION OF DESIGN				
•:: *						5405055
and the salam modified but	DALE SATTAR	P.E. \$	tate /	PA	Reg. no.	019525E
Design specification certified by	(when applicable)					3.74
Design report * certified by	N/A	. P.E. S	tate	N/A	Reg. no.	<u> </u>
Design report - certains by	(when applicable)		`. 	· · · · · · · · · · · · · · · · · · ·		
	CERTIFICATE C	OF COMPLIANCE				•
- We certify that the statements made in this	report are correct and that this (these)	DISC		<u>.</u>		
conforms to the rules of construction of the	e ASME Code, Section III, Division 1.					
contours to the lutes of Constitution of the						
NPT Condicate of Authorization No.	2696	Expires	JUI	VE 7. 20	200	
			250	ج	\	
Date 3/26/48 Name	CCI	Signed	<u> </u>	-	- 1-1	
Date 3/20119	(NPT Certificate Holder)		(Authorized representative)			
of HARTFORD, CONNECTA	mmission issued by the National Board syed by HARTFORD STEAM CUT have inspected these items deed Certificate Holder has fabricated these	cribed in this Data Report on see parts or appurtenances in a	3/Z/	- 98	, end still ASME Co	ate that to the de Section
III, Division 1. Each part listed has be by signing this certificate, neither the in this Data Report. Furthermore, neither of some of any kind arising from or control Data 3/26/98 Signed Luci	the inspector nor his employer the the inspector nor his employer shected with this inspection.	all be liable in any manner for	24	72	Z77 0	damage or or prov and no.)

DUE TO THE SIZE AND CONFIGURATION OF THE PART, THE TRACEABILITY OF THE PART WILL BE DONE WITH THE FOLLOWING INFORMATION:

CCI MO# M159460
 CCI P/N C97037E80Z
 MAT'L TYPE SA516-GR70
 MAT'L HT# R0029

1. O	wner		PPL Susque				Date	06/18/2001				
		Two North	Ninth St., Allen			Add	Sheet	1_	of	3		
2. PI	lant .	Sus	quehanna Stear			Auu	Unit			TWO		
	РО	Box 467 / 7	707 Salem Blvd,			Addre	SEE ATT	ACHE Repair	D LIST	n P.O. No., Job No., etc.		
3. W	ork Per	formed by _	PPL Sus	squehanna, LLC		, 100.0	Type Code		-	None		
		Two North	Ninth St., Allen	town, PA 18101	1		Authorization	on No.		N/A		
			Address				Expiration [Date		N/A		
4. lr	ndentific	ation of Syste	m	RHI	R SERVICI	E W	ATER, 210	6A, (CLASS I	11.		
((b) Appl	icable Edition	of Section XI Utilize	d for Repairs or Re	placements 1	19 _	89		Addenda,	N/A * Co	de Case I 9)	
		me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	on	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1)	VALV (DISC		CROSBY	N60598-00- 0003 (VALVE)	N/A		PSV21213	BA	1979	REPLACED	YES	
2)	VALV (DISC		CROSBY	N91855-49- 0098	N/A		PSV21213	BA	1996	REPLACEMENT	YES	
3)	VALV	Έ	JAMESBURY	ND-21305-03G	N/A		HV21210	В	1978	REPLACED	YES	
4)	VALV	Έ	JAMESBURY	ND-21305-03B	N/A		HV21210	В	1979	REPLACEMENT	YES	
5)	VALV	Έ .	JAMESBURY	ND-21305-03B	N/A		HV21210	В	1979	REPAIRED	YES	
6)		WDISC MBLY	YARWAY	A0930	N/A		212016		1977	REPLACED	YES	
7)		M/DISC MBLY	YARWAY	AA00-A1	N/A		212016		2000	REPLACEMENT	YES	
7. D	escripti)	on of Work	3 144 FF 44		SEE AT	ГТА	CHED LIS	TING				
	•	nducted: H	lydrostatic D	Pneumatic		inal (Test	Operating Pro	essure	• 🗶 • °F	SEE ATTACHED I	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. CODE OF CONSTRUCTION : CROSBY Original Valve
Annicable Manufacturer's Data Reports to be attached
and Replacement Part Code of Const.: ASME Sec III 1974 Edition Summer 1975 Addenda.
JAMESBURY, Original & Refurbished Valve, ASME Sec III 1974 Edition No Addenda CC 1773.
Yarway Original Valve ASME Sec III 1974 Edition 1974 Addenda, Replacement Parts 1986 Ed. No Add.
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 Date N/A
Signed Owner or Owner's Designee, Tille Supv Site Modifications Group
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period PARCH 19 200 to ARIL 2001, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions MB 7525 TBNA A 2157 National Board, State, Province, and Endorsements
Date JUNE 22 2001

1. Ov	vner		PPL Susqueh				Date	06	/18/2001	
_		Two North	Ninth St., Allento			Add	Sheet 2	of	3	 -
2. Pl	ant	Susc	quehanna Steam	Electric Statio	<u>n</u>		Unit		TWO	
	PO.	Box 467 / 7	Name 07 Salem Blvd,	Berwick, PA 1	8603		SEE ATTACHE			
_		BOX 407 7 7	Address			Addre	Repai	r Organization	P.O. No., Job No., etc.	
3. W	ork Per	formed by	PPL Susc	quehanna, LLC	;		Type Code Symb	ool	None	
		Two North	Ninth St., Allento	own, PA 18101			Authorization No.		N/A	
			Address				Expiration Date		N/A	
4. lr	ndentific	cation of Syste	m	RHE	R SERVIC	E W	ATER, 216A,	CLASS I	II	
5. ((a) Appl (b) App	licable Constru licable Edition	ction Code ASM of Section XI Utilized	1E Sec III * 19	71 Edi	ition, 19	thru W'72 89	Addenda,	N/A * Cor (* SEE SECTION	de Case 9)
6. le	dentifica	ation of Compo	nents Repaired or R	eplaced and Repla	acement Co	mpon	ents			
		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)
8)		KSEAT HING	YARWAY	A0930	N/A		212016	1977	REPLACED	YES
9)	BAC	KSEAT HING	YARWAY	HT # 5293	N/A		1RV-PDT-20101A	1984	REPLACEMENT	NO

216A-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 _		06	/18/2001		
	Two North Ninth St., A	- Add	Sheet	3	of_	3			
2. Plant _	Susquehanna S		Unit			TWO			
PO I	Box 467 / 707 Salem B	Blvd, Berwick, PA 18603	Addre		ATTACHED L Repair Orga	IST Inization	P.O. No., Job No., etc.		
3. Work Perf	ormed by PPL	Susquehanna, LLC	-	Type C	ode Symbol		None		
	Two North Ninth St., A	Allentown, PA 18101	_	Authori	zation No.		N/A		
	Address Expiration Date N/A								
4 Indentific	ation of System	RHR SERVI	CE W	ATER,	216A, CLA	ASS I	II		
5. (a) Appli	cable Construction Code	ASME Sec III * 19 71 Ed	dition, s 19	thru 89	W'72 Add	enda,	N/A * Code Case (* SEE SECTION 9)		
6. Identificat	tion of Components Repaire	d or Replaced and Replacement Co	ompon	ents					
ITEM(S)	WORK ORDER	DESCRIPTION OF WO	RK		DE	SCRI	PTION OF TESTS		
1-2	2291332	PSV21213A, REPLACED VA	LVE D	ISC	NO	ON VT	-2 PER MI-PS-008		
3-4	312089	HV21210B, REPLACED VAL	VE WI	TH		– .	ER SE-0216-301		
5	P.O. 103811-C	HV21210B, REPAIRED VA INSTALLING STAINLESS STEE	REFURBISHED VALVE. HV21210B, REPAIRED VALVE BY INSTALLING STAINLESS STEEL OVERLAY. Temp 44°F / Press VT-2 DURING INSTALL PCWO 3120						
6-9	324011	PERFORMED BY JAMESBUF 212016, REPLACED VALVE S ASSEMBLY AND BACK SEAT	TEM/	DISC	NO	TV NC	-2 PER MI-PS-008		

C R O S B Y

CROSBY VALVE & GAGE COMPANY WRENTHAM, MA

Q.C.-392 SHEET 1 OF 2

FORM N-2, N OR NPT 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 Crosby Valve & Gage Company 43 Kendrick St. Wrentham, MA 02093 (Name and Address of N Certificate Holder) PENNSYLVANIA POWER & LIGHT CO. ALLENTOWN, PA 2. Manufactured for___ (Name and Address of Purchaser or Owner) Location of Installation SUSQUEHANNA SES STOREROOM BERWICK, PA (Name and Address) 1996 DS-C-60598 REV. D (Year Built) (Drawing No.) (CRN) 80.000 ASME SB 164 CL. A (Tensile Strength) (Material Spec No.) Min. Design Thickness_ Nom. Thickness(in.)_ Inch Dia. ID **Length Overall** Temperature Design Pressure(PSI) Hydrostatic Test (psig) (When applicable) 8. Fabricated in accordance with Const. Spec.(Div. 2 only) _-- Revision _-- Date_ (No.) **SUMMER 1975** 9. ASME Code, Section III, Division 1: 1974 (Class) (Addenda Date) (Edition) 10. Remarks 11. When applicable, Certificate Holders' data reports are attached for each item of this report: National Part or Appurtenance National Part or Appurtenance Board No. **Serial Number** Board No. **Serial Number Numerical Order Numerical Order** N91855-49-0098 (11) (1) (12)(2)(13)(3) (14)(4)(5) (6)(17)(7) (18)(8) (19)(9) (20) (10)

Q.C.-392 SHEET 2 OF 2

Manufacturer Serial No. N91855-49-0098

CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that this(these) DISC conform to the rules of construction of the ASME Code, Section III. Date 23 Nov 9C Signed Crosby Valve & Gage Company by Additional (NptCertificate Holder) NV Certificate of Authorization No. N-1877 Expires 30 SEP 98. (Date)

CERTIFICATE OF DESIGN

PE State	CA /	Reg No	HUR R. SCHICK 13898	
• •	Certified by*			
#Cianatura na	t required - liet n	ome only		

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 Massachusetts and employed by Protection Mutual Insurance Co. of Norwood, Massachusetts have inspected these items described in this Data Report on Nowedee 33, 19% and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. 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 warrant, 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.

Date 1/-23, 19%.

Commissions Commissions

(Inspector)
*Factory Mutual Systems

(Nat'l Bd. State, Prov. and No.



CERTIFICATE OF CONFORMANCE

We certify that the refurbished valve shipped and applicable documentation for same conforms to the applicable requirements of the purchase order/release/contract and applicable codes, standards, specifications, and drawings unless otherwise noted below.

(1) Purchase Order No.: 103811-C

(2) Change Order No.:

(3) Supplier Name: Iamesbury, Inc.

(4) Address: 640 Lincoln St., Worcester, MA.

ITEM IDENTIFICATION

(5) PP & L ORDER ITEM NO.	(6) PP & L CATALOG NO.	(7) QUANTITY SHIPPED	(8) DESCRIPTION
		1	20" 8226 PX MOD. A WAFER-SPHERE® VALVE S/N ND-21305-03B

(9) PP & L Approved Exceptions NONE We also state NO MAJOR REPAIRS PERFORMED.

We certify	that the	statements	made	in	the	NUCLEAR	RETURN	REPORT	C31368-02	are
correct and	the refurb	ishment cor	nforms	to	the	above P.C)			
correct and	Who her				_12	MAYG	8			

Donald P. Parker, Sr. Quality Technician

Date

Our ASME Certificate of Authorization No. N-1228 to use the N Stamp expires 27 Oct. 99 .

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 New York and employed by <u>Protection Mutual</u> of <u>Norwood</u>, <u>MA</u>, have inspected the refurbishment described in the <u>NUCLEAR RETURN REPORT C31368-02</u> on <u>May 13,1478</u> and state that to the best of my knowledge and belief, this refurbishment has been made in accordance with the above P.O.. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the refurbishment described in the report C31368-02 Furthermore neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or

Commissions NBHW2(B,NA) AY 200/ connected with this inspection.

Date 5/2/96 (Factory Mutual Engineering Association)

JAMESBURY INC. PHONE: 508-852-0200 640 LINCOLN STREET FAX: 508-852-8172

BOX 15004

WORCESTER, MASSACHUSETTS

01615-0004

U.S.A.

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* (As Required by the Provisions of the ASME Code, Section III, Div. 1)

			I I . Char	\Mare	actor MA	01605		
Mai	nufactured by Jan	nesbury Corp. 640	LINCOIN STEE	er word	ester, ivv	4 01003		
Mai	nufactured for <u>Be</u>	(Name and Address of A chtel Power Corp (Name and Address of P Susquenanna St	urchaser or Owner	n Francisco, C	.А	· · · · · · · · · · · · · · · · · · ·		
Lac	ation of Installation	Susquehanna St	eam Electric	System, PA	· · · · · · · · · · · · · · · · · · ·			
		INSUID SIIU AUGIOSSI	Al	inter Sine 2	0" 0	ılas Cina	20"	
Pun	np or Valve	valve		inlet Size2	ch)	tiet Size	(inch)	
	(a) Model No.,	(b) Manufacturers'	(c) Canadian	(d) Denvine		(A North	(a) Van	
	Series No.	Serial	Registration	(d) Drawing	(a) Class	(f) Nat'l.	(g) Yea	
	от Туре	No.	No.	No.	(e) Class	Bd. No.	Built	
(1)	8226PX	ND-21305-03B	N/A	ND-21305-03	3 ·	N/A	1979	
(2)								
(3)								
(4)		·			·			
(5)					 			
(6)				·				
(7)					····			
(8)					 			
(9)								
(10)			•					
,	•					•		
	RHR Service	Water			-,, -			
-		(Brief descripti	on of service for w	hich equipment was de	si du ea)			
-		265 Body		 				
		180 Seat psi .	125	or as Value De	Class	150		
	ign Conditions	(Pressure)	(Temperature)	P or valve Fri	532018 C1983		······································	
Cui	d Working Fressure	. <u>275</u> pai a	: 1001.	. •				
Pre	ssure Retaining Pie	ces	•	•			•	
_	Mark No.	Material	Spec. No.	Manufactu	ırer	Rema	marks	
-								
(a)	Castings	16145 61	251	Stainless Fo	undne	Wafei	<u></u>	
	FEF-12	ASME SA		Stainless Fo	unary	Walei		
		Gr. CF8	M					
						·		
								
							نواك و المحالية	
/hi	Forgings						•	
	, oranias							
				<u> </u>				
							·····	
								
				_				
			<u>, </u>			\$		

connect with the obtained form the Order Dant - ASMF - 345 F - 47 St - New York, N.Y. 10017

⁽¹⁾ For manually operated valves only.

^{*} Supplemental sheets in form of lists, sketches or drawings may be used provided (1) Size is 8-12" 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.

FORM NPV-1 (Back)

• •	TOTAL TATE	- I (Dean)		
Mark No.	Material Spec. No.	Manufacturer	Remarks	
(c) Bolting				_
				_
				<u> </u>
				~
				- =
(d) Other Parts	A CAUS CA SIS			
BKD-16	ASME SA 515 Gr. 70	Lukens	Body	_
BQH-18	ASME SA 479	Crucible	Plug	
	Ty 316			.
	4			
			- 	_
Hydrostatic test 425	psi.	·		=
				_
(Manufactu	i NIOOO		bol expires 10/27/81 (Date)	•
				ך ב
	CERTIFICATION O			1
isign information on file at ress analysis report (Class	F 1 / A	dir Hancisco, CA	· · · · · · · · · · · · · · · · · · ·	
sign specifications certifie State. PA	d by (1) <u>John R. Schmiede!</u> Reg. No. <u>19870E</u>	,		.
ress analysis certified by (1	n <u>N/A</u>			
State N/A	_ Reg. NoN/A	•		
Signature not required. Li	st name only.		,	
				- 1
	CERTIFICATE OF SHO			
he undersigned, holding ; I the State or Province.of ,	a valid commission issued by the N PA	lational Board of Boiler and I and employed by Lumbern	Pressure Vessel Inspectors	Compa
Long Grove, Illi	2016	e pump, or valve, described		- Compa
3/23	19 M and state that to the bes	st of my knowledge and belief,		
	in accordance with the ASME Code,	•		
	ither the Inspector nor his employer			
	this Data Report, Furthermore, neith ry or property damage or a loss of a			
2/23	19 79			
	Nuis Commission			
(inspector)		(Nat'l 6d., State, Pro	ov. and No.)	

WIP CRDER ______ 5031562 FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES*** As Required by the Provisions of the ASME Code, Section III Pg. 1 of 1 Not to Exceed One Day's Production Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 Manufactured for ___ (name and address of purchas Location of installation ___ STOCK (name and address) 52,000 PSI MIN. 969155-06 AMS5385E (disc) N/A 2000 Type . (drawing no.) (tensile strength) (CRN) Amar built (matt. spec. no.) ASME Code, Section III: _ 1986 NONE (addenda date) Fabricated in accordance with Const. Spec. (Div. 2 only) Revision FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A. PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS. Norm. thickness (in.) ____ Min. design thickness (in.) ____ Dia. ID (ft. & in.) ____ Length overall (ft. & in.) ____ When applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance National Board No. National Board No. Part or Appurtenance in Numerical Order Serial Number Serial Number in Numerical Order AA00-A1 (26)(1) (27) AACC-A2 (2)(3) AA00-A3 (28)(29) AA00-A4 (4)(30)(5) -AACO AS (31) AA00-A6 (6) (7) AA00-A7 (32)(33) -AACO AB- 672 (8) AA00-A9 (34)(9) (35) AA00-A10 (10)(36)AA00-A11 (11)(37)(12)AA00-A12 (38)(13)AA00-A13 (39)(14)AA00-A14 (40)AA00-A15 (15)AA00-A16 (41)(16)(42)(17)AA00-A17 -NOO A18 7-77/27/20 (43)(18) AA00-A19 (44)(19)*i*45i (20)AA00-A20 (46)(21)AA00-A21 (47)(22)AA00-A22 AA00-A23 (48)(23)(49)OP SUP (24)AA00-A24 (50)AA00-A25 PRG at temp. °F 44 10. Design pressure _ psi. Temp. F Hydro, test pressure N/A FOR ANSI CLASS 1500 VALVES applemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8% x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

PAGE 8 OF 49

(12/86)

FORM.N-2 (back)

1		Mir. Sena	No. SEE FRONT
	CERTIFICATION OF DES	IGN	
Design specifications certified by	(SEE REMARKS)	P.E. State	Reg. no
Design report* certified by	N/A (when applicable)	P.E. State	Reg. no.
٦	CERTIFICATE OF SHOP COM	PLIANCE	
We certify that the statements made in this reconforms to the rules of construction of the A	eport are correct and that this (these) SME Code, Section III.	STEM AND DISC ASSEMBI	LIES, 1 INCH
NPT Certificate of Authorization No.	N-2450	Expires November	14, 2001
Date <u>July 21, 2000</u> N	(NPT Certificate Holder)	Signed ————————————————————————————————————	ed representative)
	CERTIFICATE OF SHOP INSP	ЕСТІОМ	
I, the undersigned, holding a valid commission	employed by FACTORY	MUTUAL INSURANCE COMP.	and the State of Province of ANY
of <u>Johnston, RI</u> have inspected and state that to the best of my knowledge an	these items described in this Data Repo d belief, the Certificate Holder has fabric	ated these parts or appurtenance	
ASME Code, Section III. Each part listed has By signing this certificate, neither the inspects this Data Report. Furthermore, neither the in- of any kind arising from or connected with	been authorized for stamping on the dat or nor his employer makes any warranty, spector nor his employer shall be liable in	e shown above. expressed or implied, concernir	ng the equipment described in
Date 07/21/00 Signed 6:90	(Autrificized Inspector)	ommissions PA 2389 (Next. Bu. (incl. and	A. B. N.S. I

PAGE 9 OF 49 PBG

1. Owner		PPL Susque			Date		6/5/2001			
••••	Two Nort	h Ninth St., Aller		01	Sheet	1 of	1	·		
2. Plant _	Su	squehanna Stea		ion	Unit		Two	<u> </u>		
PO I	3ox 467 /	707 Salem Blvd,		18603	Po		O 266728			
3. Work Perfo	ormed by	PPL Su	squehanna, LL	<u>.c</u>		Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp None				
	Two Norti	n Ninth St., Allen		01	Authorization N	lo	N/A			
•		7,041000			Expiration Date		N/A			
4. Identificati	ion of Syster	n	225A - F	Primary Conta	inment Instrum	ent Gas; (Class 2			
		uction Code of Section XI Utilize			·	Addenda,	NA	Code Case		
6. Identificati	on of Compo	onents Repaired or F	Replaced and Repl	acement Compo	nents					
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Check '	Valve	Borg Warner	11696	NA	226018	1976	Replaced	Yes		
Check '	Valve	Rockwell Edwards	86AEQ	NA	226018	1992	Replacement	Yes		
Check \	Valve	Borg Warner	11687	NA	226029	1976	Replaced	Yes		
Check \	√alve	Rockwell Edwards	84AEQ	NA	226029	1992	Replacement	Yes		
7. Description	of Work			Repl	ace Vaives		· · · · · · · · · · · · · · · · · · ·			
8. Tests Cond		ydrostatic D	Pneumatic NA		perating Pressure t Temp. N	<u>A</u> °F				
NOTE:	Supplement	al sheets in form of	lists sketches or	drawings may b	ne used provided	(1) size is 8	% in. x 11 in (2) informa-		

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 Report attached
Applicable Manufacturer's Data Reports to be attached
* Valve Construction Code is ASME III, 1974 Edition through Winter 1974 Addenda, No Code Cases
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp N/A
Type Godd Cymas, Camp
Certificate of Authorization No. N/A Expiration N/A
Signed Date Date 22 , 20 0 (
Owner's Designee, Title Supv Site Modifications Group
CERTIFICATION OF INSERVICE INSPECTION
A State of Pailor and Property Vessel Inspectors and the State
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of
JOHNSTON. RHODE ISLAND have inspected the components described
in this Owner's Report during the period DEC. 2, 2000 to MARCH 14, 2001, 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.
dil Carelles Commissions NB 7525 18NA PA 2159
Inspector's Signature Commissions National Board, State, Province, and Endorsements
DUNE 22 2/01
Date

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

· INTA	nufactured by	MARD VALVES T.	isions of the				
	nutactured for Pa	(Name and Address of	N Certificate	SAUNDERS Holder)	St. Ra	LEIGH, NC	27603
		Name and Address of Pur	Chares of Owner	noider)	47. BER	WICK PA I	9407
J. LOC	ation of installation	SUSBUENAN	A SE	S Bernin	· · · · ·	18603	0003
4. Pur	op or Valve	SIVE			-17, -74	10603	
			Nominal	Inlet Size		Outlet Size	1
	far model No., (b)	N Certificate Holder's	(c) Canadian	(inch)		(inch)
	Series No.	Serial	Registration	(d) Drawing			
	or Type	No.	No.	No.	/a) CI	(f) Nat'l.	(g) Year
(1)	B.36274/621	132450			(e) Class	Bd. No.	Built
(2)	DSBETTIFSTE	834EQ-874EQ	NA	D91-22 946	2-03-86-1	N/A	10.4
(3)					30,000	N/F	199
(4)		·			··		
(5)							
(6)							
(7)							
(8)				G.,			
(9)							
(10)							
	, 11						
	CHECK	VALVE RZLZ	74/				
	1"CHECK	VALVE B362	74 (F316)) FRTI			
	1 CHECK	VALVE B362	74 (F316)	FRT]	Ngned)		
			74 (F316)	FRT]	Highed)	. 36 - 229	40-03
	Conditions 2	560	74 (F316) I service for whice	h equipment was de	SO		40-03
Design	Conditions 2	560 psi	570 Temperature)	FRT1	SO		
Design Cold W	Conditions 2	560 psi	570 Temperature)	h equipment was de	SO		<u>40-03</u>
Design Cold W	Conditions 2	560 psi	570 Temperature)	h equipment was de	SO		
Design Cold W	Conditions (P. Arking Pressure re Retaining Preces	560 psi(7655ure)	570 Temperature)	h equipment was de	SO		
Design Cold W	Conditions 2	560 psi	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(7655ure)	570 Temperature)	h equipment was de	S.O		(1)
Design Cold W	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(7655ure)	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(7655ure)	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(7655ure)	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(7655ure)	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(7655ure)	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Corking Pressure Te Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Arking Presente Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur	Conditions (P) Arking Presente Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature)	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur (a) Castr	Conditions (P) Arking Pressure Retaining Pieces Mark No. Ings	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature) F.	*F or Valve Pre	S.O	1500	(1)
Design Cold W Pressur (a) Castr	Conditions (P) Arking Presente Retaining Pieces Mark No.	560 psi(.3(n.0.0) psi at 100 Material Spec.	570 Temperature) F.	*F or Valve Pre	S.O	1500	(1)

SA 564 TG30 H1100

COULTER STEEL

Coulter

COVER

DISK

⁽¹⁾ For manually operated valves only.

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.

THE STREET OF STREET

Mark No.	Material Spec. No.	Manufacturer	Remarks
Bolting			····
			
			
			······································
(d) Other Bests			
(d) Other Parts			
	<u> </u>		
		-	
drostatic test 5400 ps	i. Disk Differential test pressure 3	7.75_ pai .	a.
			::
ASME Certificate of Autho	rization No. <u>N-1562</u> to u	se thesymbol (N)	(Date)
	CERTIFICATION O	F DESIGN	
			4.07
	EDWARD VALVES IN	L' RALEIGH, N.L. Z.	<i>BU</i> 3
ess analysis report (Class 1	only) on file at		
energiantings contilled	by (1) MATHEN HOBER	示	
	Reg. No. PA		
ess analysis certified by (1)	S. C. Adams, III		
	Reg. No. 4197		
Signature not required. List	name chiy.		
	CERTIFICATE OF SHO	P INSPECTION	• •
ne undersigned, holding a	valid commission issued by the N	lational Board of Boiler and Pre-	ssure Vessel Inspector
the State or Province of	VORTH CAROLINA	and employed by HSBT	AI Co.
HARTFORD, CT	have inspected th	e pump, or valve, described in	n this Data Report of
3-12	19 5 2 , and state that to the best o	f my knowledge and belief, the N C	ertificate Holder has cor
cted this pump, or valve, i	n accordance with the ASME Code.	Section III.	
			or implied concerning
	ther the inspector nor his employed his Data Report, Furthermore, neith		
	y or property damage or a loss of a		
	_	, ur commecter	- ····································
· \3\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1/0/182	
	Commissi	****	and No.1
	-12 19 <u>92</u> .	11/10/3	

1. Owner PPL Susquehanna, LLC						Date _		06	6/08/2001	
Tv	vo North	Ninth St., Allent	•	1	Add	Sheet	1	of	3	
Susquehanna Steam Electric Station					Add	Unit _			TWO	
PO Box	< 467 / 7	Name 207 Salem Blvd,		8603	Addre	SEE	ATTACHI Rena	ED LIST	n P.O. No., Job No., etc.	
3. Work Perform	ed by	Address PPL Sus	quehanna, LLC	<u> </u>	Addie	Type Co	ode Syml		None	
Tv	vo North	Ninth St., Allent	own, PA 18101	<u> </u>		Authoriz	zation No		N/A	
						•	on Date		N/A	
4. Indentification	of Syste	m <u>C</u>	ORE SPRAY F	UMP RO	OM C	COOLIN	<u>IG SYS</u>	TEM 23	4D, CLASS III.	
5. (a) Applicabl	e Constru	of Section XI Utilized	IE Sec III * 19	71 Ed	ition, 19			Addenda, CC N416-		de Case TION 9)
		onents Repaired or R								
Name o Compone		Name of Manufacturer	Manufacturer Serial No.	Nationa Board No.		Oth Identifi		Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) FLEX HOS	COIL)	ANAMET	061496520647 -01-006	N/A		2E2:	31D	1996	REPL ACED	NO
(LOWER 2) FLEX HO (UPPER (SE COIL)	ANAMET	003	N/A		2E2	31D	1995	REPLACEMENT	NO
(LOWER 3) FLEX HO (UPPER (SE COIL)	ANACONDA	NOT KNOWN	N/A		2E2:	31D	1990	REPLACED	NO
(UPPER 4) FLEX HO (UPPER (SE COIL)	ANAMET	102498531030 01-006	N/A		2E2	31D	1999	REPLACEMENT	NO
5) HEAT EXCHANG	GER	AEROFIN	900646	N/A		2E2	31D	1990	REPAIRED	YES
6) HEAT EXCHANG (BOTTOM	GER	AEROFIN	900647	N/A		2E2	31D	. 1990	REPAIRED.	YES
7. Description o	of Work			SEE A	ATTA	CHED	LISTIN	G		,
8. Tests Condu	cted: H	Hydrostatic Other Pres	Pneumatic	No psi	Test	<u>-</u>	g Pressur	°F	SEE ATTACHED	

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)

	Applicable Manufacture	er's Data Renorts to be	attached	CODE OF CONSTRUCTION
FOR AEROFIN HEAT EX	CHANGERS ASME VIII D	IV 1 1986 ED	. NO ADD.	CODE CASE 1997-2.
	·			
	CERTIFICATION	OF COMPLIA	ANCE	
We certify that the statement	nts made in the report are correc		PAIR AND	Conforms to the rules of the
ASME Code, Section XI.			Ir or replacement	
Type Code Symbol Stamp		N/	Δ	
		INA	^	
Certificate of Authorization No.	N/A	Expiration		N/A
1/ Ch:	~!		1	ao #23
Signed Nowner or Owner's Designed	JUL Jille Supv Site Modifications Gro	Date	time.	22 ,20 0]
	7			
	CERTIFICATION OF IN	SERVICE IN	SPECTION	
				re Vessel Inspectors and the State
or Province of <u>PENNSYLVANIA</u> JOHNSTON, RHODE ISLAND				ANCE CO. of the components described
n this Owner's Report during the	period June // 1999	to	JUNE 4	/ Zoo / , and state that
o the best of my knowledge and b Dwner's Report in accordance with				ive measures described in this
	er the Inspector nor his employer			ed or implied, concerning the
examinations and corrective meas				
shall be liable in any manner for a	ny personal injury or property dan	nage or a loss of	any kind arisi	ng from or connected with this
nspection.	•		•	
M. Olland	and Commit	esions NB Z5	25 IRN	A PA 2159
Inspector's Signa	ture	Nation	nal Board, Stat	e, Province, and Endorsements
Date JUNE 26	2001			
	·			

1. Owner						Date	0	6/08/2001	
	Two North	Nam Ninth St., Allent		l	_	Sheet	of	3	
2. Plant	Sus	Address quehanna Stean		on	Add	Unit		TWO	
PO E	3ox 467 / 7	Name 707 Salem Blvd,		8603	•	_	CHED LIST	- D.C. No. Joh No. oto	
		Address PPL Sus	auchanna II (•	Addre	Type Code S	• -	n P.O. No., Job No., etc. None	
3. Work Perfo	ormed by _	FFL Sus	quenama, LEC		•	Type Code C	ymbol		
	Two North	Ninth St., Allent	own, PA 18101			Authorization	No	N/A	
		Address				Expiration Da	ate	N/A	
4. Indentifica	tion of Syste	m C	ORE SPRAY F	PUMP RC	ОМ	COOLING S	SYSTEM 2	34D, CLASS III	
5. (a) Applic (b) Applic			ME Sec III * 19	71 Ec	lition,	thru W'72	Addenda,	N/A * C	ode Case CTION 9)
6. Identificati	on of Compo	onents Repaired or R	Replaced and Repla	acement Co	mpone	ents			
Nam Comp	e of onent	Name of Manufacturer	Manufacturer Serial No.	Nationa Board No.	il	Other Identification	Year n Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	ANGER	AEROFIN	900644	N/A		2E231B	1990	REPAIRED	YES
	ANGER OM COIL)	AEROFIN	900645	N/A		2E231B	1990	REPAIRED	YES
9) HEAT	ANGER	AEROFIN	900642	N/A		2E231C	1990	REPAIRED	YES
10) HEAT EXCHA	ANGER OM COIL)	AEROFIN	900643	N/A		2E231C	1990	REPAIRED	YES
11) HEAT	ANGER	AEROFIN	900640	N/A		2E231A	1990	REPAIRED	YES
12) PIPE F		BECHTEL	N/A	N/A		SPHRC221- (ITEM 21)		REPAIRED	YES
13) PIPE F	LANGE	BECHTEL	N/A	N/A		SPHRC222- (ITEM 38)		REPAIRED	YES
14) PIPE F	LANGE	BECHTEL	N/A	N/A		SPHRC222- (ITEM 39)	1 1983	REPAIRED	YES

1. Owner _	Owner PPL Susquehanna, LLC				06/0	8/2001	
T	wo North Ninth St., Address	Shee	t <u>3</u>	of _	3		
2. Plant	Susquehanna S	Steam Electric Station	Unit		Т	wo	
PO Bo		Name Blvd, Berwick, PA 18603		E ATTACHED L	JST	N. LEW.	
3. Work Perform	Address med by PPI	Susquehanna, LLC	Addre Type	Repair Org	anization P.C	D. No., Job No., etc. None	
T		_{Name} Allentown, PA 18101	Autho	rization No.		N/A	
	_ Address	i	Expira	ation Date		N/A	
4. Indentification	on of System	CORE SPRAY PUMP RO	OM COOL	ING SYSTE	M 234E), CLASS III	
(a) Applicable Construction Code ASME Sec III * 19 71 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 6. Identification of Components Repaired or Replaced and Replacement			19 <u>89</u>		enda, <u>l</u> N416-1	Code Case (* SEE SECTION 9)	
ITEM(S)	WORK ORDER/ AUTHORIZATION	DESCRIPTION OF WO	RK	DI	ESCRIPTI	ON OF TESTS	
1-2	V82170	2E231D, REPLACED FLEX HOSI HOSE	WITH NEW	1	VT-2 PER SE-254-301 temp: 76°F/press.: 127 psig		
3-4	218406	2E231D, REPLACED FLEX HOSE		ter	VT-2 PER SE-254-301 temp: 55°F/press.: 130 psig		
5-6	218406	2E231D, REPAIRED HEADER L BY WELDING	IGAMENTS	ter	np: 55°F/p	R SE-254-301 press.: 130 psig	
7-8	218408	2E231B, REPAIRED HEADER L BY WELDING	IGAMENTS			R SE-254-301 press.: 130psig	
9-10	272644	2E231C, REPAIRED HEADER L BY WELDING	IGAMENTS			R SE-000-017 /press.: 96 psig	
11	272653	2E231A, REPAIRED HEADER L BY WELDING	IGAMENTS		VT-2 PER	SE-000-017 press.: 96 psig	
12-14	2-1 IT # 38 & NGES, ;	NO	ON VT-2 F	PER MI-PS-008			

1. Owner		PPL Susque			Date		0	6/04/2001	
	Two Nortl	h Ninth St., Allen			Shee	<u> </u>	1 of	3	
2. Plant _	Sus	squehanna Stear		on	Unit			TWO	
PO E	3ox 467 / 1	707 Salem Blvd,	Berwick, PA		SEI		HED LIST	on P.O. No., Job No., etc.	
3. Work Perfo	rmed by	PPL Susquehar	nna, LLC		Туре	Code Syn	nbol	None	
	Two North	n Ninth St., Allen	town, PA 1810	1	Autho	rization N	o	N/A	
		Address			Expira	ation Date		N/A	
4. Identification	on of Syster	n	HPCI PUMF	ROOM CO	OLING (SYSTEM	/ 234E, (CLASS III	
		of Section XI Utilize			'''	ı W'72	Addenda, , CC: N41	N/A * Co	ode Case TION 9)
6. Identification	on of Compo	onents Repaired or F	Replaced and Repl	acement Comp	onents				
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) HEATEXCH	HANGER	AEROFIN	900615	N/A	2E2	29B	1990	REPAIRED	YES
2) UPPER FL	EX HOSE	ANAMET	105144-BWL- 21-1	N/A	2E2	29B	1994	REPLACED	NO
3) UPPER FLI	EX HOSE	ANAMET	12049853103 0-01007	N/A	2E2	29B	1999	REPLACEMENT	NO
4) SMALL PIP SUBASSE		PPL	N/A	N/A	SPHR	2219-5	1985	REPLACED	NO
5) SMALL PIP SUBASSE		PPL	N/A	N/A	SPHR	C219-5	2000	REPLACEMENT	NO
6) SMALL PIP SUBASSE		PPL.	N/A	N/A	SPHRO	C220-5	1985	REPLACED	NO
7) SMALL PIP SUBASSE		PPL.	N/A	N/A	SPHRO	C220-5	2000	REPLACEMENT	NO
7. Description	of Work			SEE ATT	ACHED	LISTIN	G		
8. Tests Cond		ydrostatic Dther Press	Pneumatic	Nomina psi Te	al Operatir st	g Pressu	re 🗌 °F	SEE ATTACHED I	LIST.
NOTE:	Supplement	tal sheets in form o	f lists, sketches, o	or drawings may	y be used	, provided	d (1) size is	s 8½ in. x 11 in., (2	2) informa-

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 FLEX HOSES ARE CONSTRUCTED TO ANSI B31.1., ORIGINAL CODE OF CONSTRUCTION	NC
Anolicable Manufacturer's Data Reports to be attached	
FOR AEROFIN HEAT EXCHANGERS ASME VIII DIV 1 1986 ED. NO ADD. CODE CASE 1997-2.	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this REPAIR AND conforms to the rules of the REPLACEMENT	
ASME Code, Section XI. repair or replacement	
Type Code Symbol Stamp N/A	
Expiration	
Certificate of Authorization No. N/A Date N/A	
Signed Date Inc. 22, 20 di	
OFFICION OF INCEPTION	
CERTIFICATION OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta	te
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 5006 /4 /999 to MACH 7 200/, and state that	ıt
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code. Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	
inspection.	
Commissions NB 7525 IBNA PA 2159	
Inspector's Signature National Board, State, Province, and Endorsements	
Date JUNE 22 20 01	

1. Owner		PPL Susque			Da	ate	06	6/04/2001	
	Two North	Ninth St., Allent	-		Sh	neet	2 of	3	
2. Plant	Susquehar	nna Steam Elect	ric Station		Ur	nit		TWO	
_						SEE ATTACH	HED LIST		
	BOX 467 / /	07 Salem Blvd,	Delwick, I'A I	0000	_	Rep	pair Organization	P.O. No., Job No., etc.	
3. Work Per	formed by _	, , , , , , , , , , , , , , , , , , , ,	quehanna, LLC	<u> </u>	Ty	pe Code Syn	nbol	None	
	Two North	Ninth St., Allent	Name own, PA 18101	<u> </u>	Αι	uthorization N	lo.	N/A	
	-	Address			E	φiration Date	1	N/A	
4. Identifica	ition of System	ı <u></u>	HPCI PUMF	ROOM CO	OOLIN	IG SYSTEI	M 234E,	CLASS III.	
5 (a) Annli	icable Constru		III 19 d for Repairs or Re	71 Edition	J. 1,	thru W'72	Addenda, , CODE C		de Case
6. Identifica	ition of Compo	nents Repaired or F	Replaced and Replaced	acement Com	ponents	3			
1	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	lo	Other dentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8) SMALL P SUPPORT I		PPL	N/A	N/A	SI	PHRC219- H5004	1985	REPLACED	NO
9) SMALL P	PIPE	PPL	N/A	N/A	SI	PHRC219- H5004	2001	REPLACEMENT	NO

1. Owner	PPL Susquehanna, LLC				Date _		06/0	04/2001
	Two	North Ninth St., A	llentown, PA 18101	- Add	Sheet	3	of _	3
2. Plant			team Electric Station	-	Unit _			WO
P0	D Box 4	167 / 707 Salem Bl Address	vd, Berwick, PA 18603	- Addre				CHED LIST O. No., Job No., etc.
3. Work Pe	erformed	by PPL	Susquehanna, LLC	-	Type Co	ode Symbol	_	None
	Two	North Ninth St., A	llentown, PA 18101		Authoriz	zation No.		N/A
-		Address		-	Expirati	on Date		N/A
			HPCI PUMP ROOM	COO	ING S	 YSTEM 2:	34E. CL	ASS III.
4. Identifi								
5. (a) Ap	plicable	Construction Code	ASME Sec III 19 71 E tilized for Repairs or Replacement	dition, s 19	thru \	<u>₩'72</u> Add , Cd	ienda, C N416-1	N/A Code Case
6. Identifi	cation of	Components Repaired	d or Replaced and Replacement C	ompon	ents			
ITEM	(S) T	WORK ORDER	DESCRIPTION OF W	ORK			ESCRIP	TION OF TESTS
	.,		DEDAIDED LIEADED	LICAN	JENITS		VT-2 PF	R SE-254-301
1-3	3	P84623	2E229B, REPAIRED HEADER BY WELDING AND REPLAC	ED UF	PPER	Te		F/press.: 124 psig
	1		FLEX HOSE				•	
4-7	, 	298381	SPHRC219-5 & SP-HRC220-5	REP	LACED			R SE-000-017 F/press.: 132 psig
L			SMALL PIPE FLANG		I DIDE	16	snip 33°	N/A
8-9	}	298381	SPHRC219-H5004, REPLACED SUPPORT BOLTIN	G				

1. Owner _		PPL Susquet				Date	Date06/04/2001				
T	wo North	Ninth St., Allent	-	1	Add	Sheet	1	of	2		
2. Plant	Sus	quehanna Stean	n Electric Statio	on	•	Unit		TWO			
PO Bo	ox 467 / 7	07 Salem Blvd,	Berwick, PA	18603	Addre		ACHED LIS	T zation P.O. No., Job	No., etc.	-	
3. Work Perform	med by	PPL Susquehan	na, LLC			Type Code	Symbol		None		
Т	wo North	Ninth St., Allent	own, PA 1810	1		Authorization	on No	N.	/A		
		Address				Expiration [Date	N//	4		
4. Identification	n of System		RCIC PUM	ROOM	<u>coo</u>	LING SYS	TEM 234	F, CLASS III	•		
5. (a) Applicat	ble Construction of	ction Code ASM of Section XI Utilized		71 Ed		thru W'72	2 Adden	da, <u>N/A *</u> (* SEE S		de Case I 9)	
6. Identification	n of Compo	nents Repaired or R	eplaced and Repla	acement Co	mpone	ents					
Name Compor	1	Name of Manufacturer	Manufacturer Serial No.	Nationa Board No.	I	Other Identification	Yea on Buil	Donloos	d, or	ASME Code Stamped (Yes or No)	
1) LOWER FL HOSE	LEX	ANAMET	06149652064 7-01-002	N/A		2E228B	199	6 REPLA	CED	NO	
2) LOWER FL HOSE	LEX	ANAMET	12049853103 0-01003	N/A		2E228B	199	9 REPLACE	MENT	NO	
3) HEATEXCH/	ANGER	AEROFIN	900610	N/A		2E228A	199) REPAIR	RED	YES	
7. Description	of Work			SEE A	TTA	CHED LIS	TING				
8. Tests Condu	-	/drostatic Press	Pneumatic	Nor psi	minal (Test	Operating Pro	essure	SEE ATTA	CHED I	∟IST.	
NOTE: S	Supplementems 1 throu	al sheets in form of	f lists, sketches, o	or drawings each sheet,	may tand (oe used, pro 3) each shee	vided (1) siz et is numbe	re is 8½ in. x 1 red and the nu	1 in., (2 mber of	2) informa- sheets is	

recorded at the top of this form.

FORM NIS-2 (Back)

FOR AEROFIN HEAT EXCHANGERS ASME VII	I DIV 1 1986 ED. NO ADD. CODE CASE 1997-2.
A	
CERTIFICATIO	ON OF COMPLIANCE
We certify that the statements made in the report are cor	rrect and this REPAIR AND conforms to the rules of the
SME Code, Section XI.	REPLACEMENT repair or replacement
ONE Code, Section Al.	repair or replacement
Time Ondo Original Olivia	
Type Code Symbol Stamp	N/A -
Certificate of Authorization No. N/A	Expiration Date N/A
1	DateN/A
Signed Of Charles	Date 22 , 20 %
Owner or Owner's Designee, Title Supv Site Modifications	Group
CERTIFICATION OF	INSERVICE INSPECTION
the undersigned, holding a valid commission issued by the Na Province of PENNSYLVANIA and employed by	ational Board of Boiler and Pressure Vessel Inspectors and the State
JOHNSTON, RHODE ISLAND	FACTORY MUTUAL INSURANCE CO. of have inspected the components described
this Owner's Report during the period MAY 6	to April 23, 2001, and state that
the best of my knowledge and belief, the Owner has performe	ed examinations and taken corrective measures described in this
wner's Report in accordance with the requirements of the ASM By signing this certificate petities the Inspector not his employ	ne Code, Section XI. yer makes any warranty, expressed or implied, concerning the
aminations and corrective measures described in this Owner's	s Report. Furthermore, neither the Inspector nor his employer
all be liable in any manner for any personal injury or property of	damage or a loss of any kind arising from or connected with this
spection	_
Weller Com	missions <u>NB 7525 IBNA PA 2159</u>
Inspector's Signature	National Board, State, Province, and Endorsements
ate JUNE 22 20 0/	

234F-III

1. Owner	PPL Sus	quehanna, LLC Name	_	Date _		06.	/04/2001
	Two North Ninth St., A	Illentown, PA 18101	Add	Sheet	2	of	2
2. Plant	Susquehanna S	team Electric Station		Unit _		· · · · ·	TWO
PO	Box 467 / 707 Salem B	Ivd, Berwick, PA 18603	Addre				CHED LIST P.O. No., Job No., etc.
3. Work Perf	DDI 0 1 1 0				ode Symbo	•	None
	Two North Ninth St., A		Authoria	zation No.		N/A	
	Address		_	Expirati	on Date		N/A
4. Identificat	ion of System	RCIC PUMP ROOM	<u> </u>	LING S	YSTEM	234F, C	LASS III.
(b) Appli		ASME Sec III 19 71 E tilized for Repairs or Replacemen d or Replaced and Replacement C	•	89	<i>N</i> '72 A	ddenda,	N/A Code Case
ITEM(S)	WORK ORDER	DESCRIPTION OF W	ORK		DESCRIPTION OF TESTS		
1-2	P83507	2E228B, REPLACED L FLEX HOSE	OWER				ER SE-254-301 PF/press.: 122 psig
3	P83506	2E228A, REPAIRED GASKE BY WELDING	ACE			N/A	

1. Owner	PPL Susquehanna, LLC				Date		06/08/2001		
Two Nort	Iorth Ninth St., Allentown, PA 18101				Sheet	1	of4		
2. Plant Su	squehanna Stear		on		Unit TWO				
PO Box 467 /	707 Salem Blvd,	Berwick, PA	18603	Addre		ACHED LIST	ation P.O. No., Job No., etc.		
3. Work Performed by	PPL Susquehan	ına, LLC			Type Code		None		
Two Nort	h Ninth St., Allent	town, PA 1810	1		Authorization	on No.	N/A		
	Addiess				Expiration (Date	N/A		
4. Identification of System	m	RHR PUMP	ROOM C	OOL	ING SYS	ГЕМ 234C	i, CLASS III.		
5. (a) Applicable Constr (b) Applicable Edition	 -	ME Sec III * 19 d for Repairs or Re		tion, 19 _				ode Case CTION 9)	
6. Identification of Comp	onents Repaired or R	Replaced and Repl	acement Cor	npone	ents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year on Built	Danisasasas	ASME Code Stamped (Yes or No)	
1) FLEX HOSE (UPPER COIL) (UPPER HOSE)	ANAMET	UNKNOWN	N/A		2E230C	1990	REPLACED	NO	
2) FLEX HOSE (UPPER COIL) (UPPER HOSE)	ANAMET	51399532281- 01-002	N/A		2E230C	1999	REPLACEMENT	NO	
3) HEATEXCHANGER (TOP COIL)	AEROFIN	900626	N/A		2E230C	1990	REPAIRED	YES	
4) HEATEXCHANGER (BOTTOM COIL)	AEROFIN	900627	N/A		2E230C	1990	REPAIRED	YES	
5) FLEX HOSE (UPPER COIL) (UPPER HOSE)	ANAMET	994-509951- 01-005	N/A		2E230D	1994	REPLACED	NO	
6) FLEX HOSE (UPPER COIL) (UPPER HOSE)	ANAMET	994-509951- 01-003	N/A		2E230D	1999	REPLACEMENT	NO .	
7) FLEX HOSE (UPPER COIL) (LOWER HOSE)	ANAMET	UNKNOWN	N/A		2E230D	1990	REPLACED	NO	
7. Description of Work			SEE A	ГТАС	CHED LIS	TING			
	Hydrostatic Other Press		psi	Test	Operating Pre		SEE ATTACHED		

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)

FOR AEROFIN HEAT EXCHANGERS ASME V	ufacturer's Data Reports to be attached /III DIV 1 1986 ED. NO ADD. CODE CASE 1997-2.
, orrest and the second	
	And the second s
CERTIFICAT	TION OF COMPLIANCE
We certify that the statements made in the report are of	correct and this REPLACEMENT conforms to the rules of the
	AND REPAIR
SME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
Certificate of Authorization No. N/A	DateN/A
Signed W	Date 20 , 20 0(
Nowner or Owner's Designee, Title Supv Site Modification	ons Group
CERTIFICATION O	OF INSERVICE INSPECTION
CERTIFICATION	OF INSERVICE INSPECTION
the undersigned, holding a valid commission issued by the I	National Board of Boiler and Pressure Vessel Inspectors and the S
Province of PENNSYLVANIA and employed by JOHNSTON, RHODE ISLAND	by FACTORY MUTUAL INSURANCE CO. have inspected the components described
this Owner's Report during the period FEB 2, Z	2000 to REQ 23 200/ and state t
the best of my knowledge and belief, the Owner has perfore	med examinations and taken corrective measures described in this
wner's Report in accordance with the requirements of the As	ISME Code, Section XI. ployer makes any warranty, expressed or implied, concerning the
By signing this certificate heritier the inspector not his employed and corrective measures described in this Owner	proyer makes any warranty, expressed or implied, concerning the ler's Report. Furthermore, neither the Inspector nor his employer
all be liable in any manner for any personal injury or properly	rty damage or a loss of any kind arising from or connected with this
spection.	,
• //	
dil dandling co	commissions NB 7525 IBNA PA 2/3 9
Inspector's Signature Co	National Board, State, Province, and Endorsemen
Inspector's Signature ate June 21 2001	National Board, State, Province, and Endorsemen

1. Owner	PPL Susquel		.	Date	0	06/08/2001		
Two North	Ninth St., Allen	-	1Add	Sheet	of	4		
2. Plant Susqueha	nna Steam Elect	ric Station		Unit		TWO		
				SEE ATT	ACHED LIST			
PO Box 467 / /	707 Salem Blvd, Address	Berwick, PA	18603		Repair Organizatio	n P.O. No., Job No., etc.		
3. Work Performed by	PPL Sus	squehanna, LLC	<u> </u>	Type Code	Symbol	None		
Two North	Ninth St., Allen	town, PA 1810	1	Authorizatio	n No.	N/A		
				Expiration D	ate	N/A		
4. Identification of System	1	RHR PUM	ROOM CO	OLING SYST	EM 234G,	CLASS III		
5. (a) Applicable Constru	ction Code	<u>III</u> 19	Edition	thru W'72		N/A Co	ode Case	
(b) Applicable Edition					, CODE C	CASE N416-1.		
6. Identification of Compo	nents Repaired or F	Replaced and Repl	acement Compo	nents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	Year n Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
8) FLEX HOSE (UPPER COIL)	ANAMET	10249852566 501-002	N/A	2E230D	1994	REPLACEMENT	NO	
(LOWER HOSE) 9) FLEX HOSE (LOWER COIL)	ANAMET	06149651827 0-01-001	N/A	2E230D	1996	REPLACED	NO	
(UPPER HOSE) 10) FLEX HOSE (LOWER COIL)	ANAMET	994-509951- 01-002	N/A	2E230D	1994	REPLACEMENT	NO	
(UPPER HOSE) 11) HEATEXCHANGER (TOP COIL)	AEROFIN	900630	N/A	2E230D	1990	REPAIRED	YES	
12) HEATEXCHANGER (BOTTOM COIL)	AEROFIN	900631	N/A	2E230D	1990	REPAIRED	YES	
13) HEATEXCHANGER (BOTTOM COIL) (TUBE PLUGS)	AEROFIN	900631	N/A	2E230D	1990	REPAIRED	YES	
14) HEATEXCHANGER (TOP COIL)	AEROFIN	900628	N/A	2E230B	1990	REPAIRED	YES	
15) HEATEXCHANGER (BOTTOM COIL)	AEROFIN	900629	N/A	2E230B	1990	REPAIRED	YES	
16) FLEX HOSE (UPPER COIL)	ANAMET	007	N/A	2E230A	1993	REPLACED	NO	
(LOWER HOSE) 17) FLEX HOSE (UPPER COIL) (LOWER HOSE)	ANAMET	10249852566 501-001	N/A	2E230A	1999	REPLACEMENT	NO	

1. Owner	r PPL Susquehanna, LLC					0	6/08/2001	
Two North	Ninth St., Allen	·· ·		Si dd	neet	3 of	4	
2. Plant Susqueha	nna Steam Elec	tric Station		Ur	nit		TWO	
PO Box 467 / 7	'07 Salem Blvd,	Berwick, PA 1	18603		SEE ATTACI			
•	Address				Rep	pair Organization	n P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	squehanna, LLC	<u> </u>	Ту	pe Code Syn	nbol	None	
Two North	Ninth St., Allen	town, PA 1810	1	Αι	uthorization N	lo	N/A	
	Address						N/A	
4. Identification of System RHR PUMP ROOM COOLING SYSTEM 234G, CLASS III								
(a) Applicable Construction Code III 19 71 Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 6. Identification of Components Repaired or Replaced and Replacement Components						Addenda, , CODE C	N/A Co ASE N416-1.	ode Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	ld	Other entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
18) HEATEXCHANGER (TOP COIL)	AEROFIN	900624	N/A		2E230A	1990	REPAIRED	YES
19) HEATEXCHANGER (BOTTOM COIL)	AEROFIN	900625	N/A		2E230A	1990	REPAIRED	YES
20) SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A		HRC227-1 IT # 20)	1983	REPAIRED	YES
21) HEATEXCHANGER (TOP COIL)	AEROFIN	900626	N/A	:	2E230C	1990	REPAIRED	YES
22) HEATEXCHANGER (BOTTOM COIL)	AEROFIN	900627	N/A	2	2E230C	1990	REPAIRED	YES

1. Owner	PPL Su	squehanna, LLC	_	Date	4/2001		
Tv	vo North Ninth St	Name Allentown, PA 18101		05	4	,	4
	Addres		- Add	Sheet	4	_ of	4
2. Plant	Susquehanna :	Steam Electric Station		Unit		Τ\	WO
	•	Name	-	-			
PO Box	x 467 / 707 Salem I	Blvd, Berwick, PA 18603	- Addre		SEE	ATTACH	IED LIST
			Addre	•	Repair Orga	anization P.O.	No., Job No., etc.
3. Work Perform	ed by PPI	Susquehanna, LLC	-	Type C	ode Symbol		None
Tv		Allentown, PA 18101		Authori	zation No.		N/A
	Address	\$					
	E				ion Date		N/A
4. Identification	of System	RHR PUMP ROOM	COO	LING S	YSTEM 23	4G, CLA	ASS III
	(a) Applicable Construction Code ASME Sec III 19 71 Edition, thru W'72 Addenda, N/A Co (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 , CODE CASE N416-1.						
		d or Replaced and Replacement Co	•		-		
ITEM(S)	WORK ORDER	DESCRIPTION OF WO	RK	K DESCRIPTION OF TESTS			
1-4	101367	2E230C, REPLACE UPPER CO					SE-254-301
		LIGAMENTS BY WELD	ING		Temp 40°F/press.: 135 psig		
5-12	207139	2E230D, REPLACED THREE FI AND REPAIRED HEADER LIGA			VT-2 PER SE-254-301 Temp 76°F/press.: 130 psig		
13	207139	WELDING	ICTAL	LING			110
10	207139	2E230D, REPAIRED HTX BY INSTALLING N/A (2) TUBE PLUGS				I/A	
14-15	207140	2E230B, REPAIRED HEADER L	IGAM	IGAMENTS VT-2 PEI			SE-254-301
		BY WELDING			Ten	1p: 76°F/p	ress.: 130 psig
16-19	249098	2E230A, REPLACE UPPER CO	OJL LO	WER		/T-2 PER	SE-254-301
		FLEX HOSE AND REPAIRED LIGAMENTS BY WELD		DER	Ten	np: 73°F/p	ress.: 130 psig
20	248098	SPHRC227-1, ITEM # 20, REPA FLANGE BY WELD SURFA	IRED		NO	N VT-2 PI	ER MI-PS-008
21-22	282717	2E230C, REPAIR HEADER LIGA			٧	T-2 PER	SE-000-017
		GASKET SEATING SURFACE BY WELDING, UPPER AND LOWER HEAT EXCHANGERS			Tem	p: 35 °F/p	ress.: 100 psig

Owner		nanna, LLC		Date	6/5/2001		
Two North	Nam n Ninth St., Allent		1	Sheet	1 of	1	
Cur	Address squehanna Stean	n Electric Static	าท	Unit		Two	
Plant Sus	Name						****
PO Box 467 /	707 Salem Blvd,	Berwick, PA	18603			, 229920, 321384 P.O. No., Job No., etc.	
Work Performed by		squehanna, LLC	<u> </u>	Type Code Syn	nbol Stamp	None	
	n Ninth St., Allent			Authorization N	o	N/A	
	Addless			Expiration Date		N/A	
. Identification of Syster	n _		245A - F	eedwater; Clas	ss 2		<u></u>
. (a) Applicable Constru (b) Applicable Edition	uction Code	III 19	71 Edition,	thru W'72 89 Ed	Addenda,	NA C	ode Case
. Identification of Comp				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)
24" Valve	Atwood Morril	4-203	NA	HV241F032B	1975	Repaired	Yes
24" Valve	Atwood Morril	3-203	NA	HV251F032A	1975	Repaired	Yes
7. Description of Work 8. Tests Conducted:	Hydrostatic	air bonnet plug Pneumatic Ssure NA	Nominal	Operating Pressur		achine disc pos	ts

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 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	
ASME Code, Section XI. Repair 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 Owner or Owner's Designee Tyte Supv Site Modifications Group	
CERTIFICATION OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO.	
in this Owner's Report during the period D60 17 1009 have inspected the components described	
to ARIC 9, 2001, and state that Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector parties amplicate action XI.	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	
inspection.	
Commissions NB 7325 18010 Page 7	
Inspector's Signature Commissions NB7325 18VA PA 21379 National Board, State, Province, and Endorsements	
Date JUNE 22 2001	

1. Owner	PPL Susqueh			Date06/13/200		/13/2001			
Two North	Ninth St., Allent		<u> </u>	Add	Sheet _	1	of	4	
2. Plant Sus	Address quehanna Steam Name	n Electric Statio	·		Unit	<u></u>		TWO	*
PO Box 467 / 7	07 Salem Blvd,	Berwick, PA 1	8603	Addre	SEE AT	FACHE Repair	D LIST Organization	P.O. No., Job No., etc.	
3. Work Performed by _		quehanna, LLC	<u> </u>		Type Code	Symb	ol	None	
Two North	Ninth St., Allent	own, PA 18101	1		Authorizati	on No.		N/A	
					Expiration				
 Indentification of Syste (a) Applicable Constru 	ction Code ASM	IE Sec * 19	71 Editi	on,	thru W'7	2	Mary 249 Addenda, CC N416-		de Case
(b) Applicable Edition 6. Identification of Compo					nts		CC N410-	(355 350	11014 3)
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identificati	ion	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) LARGE PIPE FLANGE BOLTING	BECHTEL	N/A	N/A	F	GBB212 LANGE M3		1983	REPLACED	YES
2) LARGE PIPE FLANGE BOLTING	PPL.	N/A	N/A	F	GBB212 LANGE M3		2001	REPLACEMENT	NO
3) LARGE PIPE FLANGE BOLTING	BECHTEL	N/A	N/A	F	GBB212 LANGE M2		1983	REPLACED	YES
4) LARGE PIPE FLANGE BOLTING	PPL	N/A	N/A	F	GBB212 LANGE M2		2001	REPLACEMENT	NO
5) LARGE PIPE FLANGE BOLTING	BECHTEL	N/A	N/A	F	GBB212 LANGE M1		1983	REPLACED	YES
6) LARGE PIPE FLANGE BOLTING	PPL	N/A	N/A	F	GBB212 LANGE M1	-1 & M4	2001	REPLACEMENT	
7) VALVE	ANDERSON GREENWOOD	6221	N/A		INSTRUM VALVE		1983	REPLACED	YES
7. Description of Work			SEE A	ГТА	CHED LIS	STING	}		
8. Tests Conducted: 1	Hydrostatic D	Pneumatic	1	inal (Test	Operating P	ressur	e X	SEE ATTACHED	LIST.
NOTE: Supplemention in items 1 throrecorded at the top	ntal sheets in form on the cough 6 on this report of this form.	of lists, sketches, rt is included on	or drawings r each sheet, a	may t and (3	pe used, pr 3) each sh	ovided eet is	(1) size i numbered	s 8½ in. x 11 in., (i and the number o	2) informa- f sheets is

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 CODE DATA REPORT(S) ATTACHED. CODE(S) OF CONSTRUCTION; Anderson Greenwood
Original Valve ASME Sec III 1974 Ed No Add. Replacement Valve ASME Sec III 1971 Ed Winter 1973 Add.
Anchor Darling Valves; ASME Sec III 1971 Edition Winter 1972 Addenda CC 1516-1 & 1534. Yarway Valve;
Original, ASME Sec III 1974 Edition Winter 1974 Addenda; Replacement Parts Sec III 1986 Edition No Add.
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this REPAIR AND Conforms to the rules of the
ASME Code, Section XI. REPLACEMENT repair or replacement
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration N/A
Signed Owner or Owner's Designee, Title Supv Site Modifications Group Date
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.
JOHNSTON, RHODE ISLAND in this Oursels Beneat design the components described
to the best of my knowledge and helief, the Cover has performed exeminations and helief. 2, 2001, and state that
By signing this certificate neither the Inspector nor his employer makes entire the inspector in the inspector
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
Inspector's Signature Commissions NB 7525 IBNA PA 2/59 National Board, State, Province, and Endorsements
Date

1. Owner PPL Susquehanna, LLC				Date	Date 06/13/2001				
Two Nor	th Ninth St., Allen				2 o	f4	*****		
2. Plant Su	squehanna Stea		on	Unit		TWO	······································		
PO Box 467 /	707 Salem Blvd,		18603	SEE ATTACH	ED LIST				
	Address		Ac	idre Repa	Repair Organization P.O. No., Job N				
3. Work Performed by	PPL Su	squehanna, LL	<u>C</u>	Type Code Sym	Type Code Symbol None				
Two Nort	1	Authorization No	Authorization No. N/A						
Address Expiration DateN/A									
4. Indentification of Syst	em	RHR System	 Pool Spray 	, Pumps and Au	xiliary 24	19A, class 2.			
5. (a) Applicable Construction Code ASME Sec III * 19 71 Edition, thru W*72 Addenda, N/A * Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CC N416-1 (* SEE SECTION 9)									
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)		
8) VALVE	ANDERSON GREENWOOD	N28903	N/A	INSTRUMENT VALVE	1993	REPLACEMENT	YES		
9) INSTRUMENT TUBE FITTING	BECHTEL	N/A	N/A	JD-34-3-1C	1983	REPLACED	YES		
10) INSTRUMENT TUBE FITTING	PPL	N/A	N/A	JD-34-3-1C	2001	REPLACEMENT	NO		
11) LARGE PIPE FLANGE BOLTING	BECHTEL	N/A	N/A	GBB212-2 FLANGE M1 & M2	1983	REPLACED	YES		
12) LARGE PIPE FLANGE BOLTING	PPL	N/A	N/A	GBB212-2 FLANGE M1 & M2	2001	REPLACEMENT	NO		
13) LARGE PIPE FLANGE BOLTING	BECHTEL	N/A	N/A	GBB212-2 FLANGE M3 & M4	1983	REPLACED	YES		
14) LARGE PIPE FLANGE BOLTING	PPL	N/A	N/A	GBB212-2 FLANGE M3 & M4	2001	REPLACEMENT	NO		
15) VALVE	ANCHOR DARLING	E5854-63-2	N/A	HV-251F016B	1977	REPAIRED	YES		
16) VALVE	ANCHOR DARLING	E5854-62-1	N/A	HV-251F024A	1977	REPAIRED	YES		
17) STEM/DISC ASSEMBLY	YARWAY	A0495 (VALVE)	N/A	251018	1977	REPLACED	YES		
18) STEM/DISC ASSEMBLY	YARWAY	TEZG-C12	N/A	251018	2000	REPLACEMENT	YES		

1. Owr	ner	PPL Susquel				Date	06	06/13/2001	
	Two North	Ninth St., Allent	own, PA 18101		Add	Sheet	3 of	4	
2. Plant Susquehanna Steam Electric Station Name			Unit	TWO					
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 Address				Addre	dre Repair Organization P.O. No., Job No., etc.				
3. Work Performed by PPL Susquehanna, LLC				<u> </u>	Type Code Symbol None				
Two North Ninth St., Allentown, PA 18101					Authorization	No	N/A		
						Expiration Da		N/A	
5. (a)	lentification of Syste) Applicable Constru) Applicable Edition entification of Compo	ction Code ASM of Section XI Utilized	d for Repairs or Re	71 Ed	ition, 19 _	thru W'72 89	Addenda,	N/A * Co	de Case TION 9)
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Nationa Board No.		Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	BACKSEAT BUSHING	YARWAY	A0495 (VALVE)	N/A		251018	1977	REPLACED	YES
,	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A		251018	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 S	usquehanna, LLC	•	Date _		06	/13/2001			
<u></u>	wo North Ninth St.	, Allentown, PA 18101	Add	Sheet	4	of	4			
2. Plant	2. Plant Susquehanna Steam Electric Station			Unit			TWO			
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603				Addre SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.						
3. Work Performed by PPL Susquehanna, LLC Name					Type Code Symbol None					
T	Authorization No. N/A		N/A							
				Expiration	n Date		N/A			
4. Indentification of System RHR System – Pool Spray, Pumps and Auxiliary 249A, class 2.										
5. (a) Applicable Construction Code ASME Sec III * 19 71 Edition, thru W'72 Addenda, N/A * Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 (* SEE SECTION 9) 6. Identification of Components Repaired or Replaced and Replacement Components										
ITEM(S)	WORK ORDER	DESCRIPTION OF WOR	RK	DESCRIPTION OF TESTS						
1-6	214917, 215804 & 215805	GBB212-2 & GBB212-1, REPLAC BOLTING	ED FLA	ANGE	NON VT-2 PER MI-PS-008					
7-10	107307	REPLACED INSTRUMENT ISOLA	TION V	ALVE	NO	N VT-	-2 PER MI-PS-008			
11-14	219132 & 219134	GBB212-2 , REPLACED FLANGE	BOLT	ING	NO	N VT-	-2 PER MI-PS-008			
15	320851	HV251F016B, INSTALLATION OF DISC NUT TO DISC	SEAL	WELD	NO	N VT-	-2 PER MI-PS-008			
16	233553	HV251F024A, INSTALLATION OF SEAL WELD DISC NUT TO DISC AND BLENDED AREAS OF EROSION			NON VT-2 PER MI-PS-008					
17-20	321008	251018, REPLACED VALVE STEN BACKSEAT BUSHING	AND	NO	N VT-	-2 PER MI-PS-008				

As Required by the Provisions of the ASME Code, Section III, Division 1

5/0: 14.1540.01 P/0: 3-37492-1

Pg. 1 of __2_

in a more enjoyed in

Manufactured an	d certified by AND	DERSON, GREENWOOD &	CO. 3940	GREENBRIAR, STA	FFORD, TX 77479
2. Manufactured for	PENNSYLVANIA	POWER & LIGHT TWO	N. NINTH	ST. ALLENTOWN.	
•		(narr	e and address	s of Purchaser)	•
3. Location of instal	lation <u>SUSQUEHAN</u>	NA POWER STATION		BERWICK ON US I	RT 11, BERWICK, PA. 1860
4. Model No., Series	s No., or Type <u>H7H</u>	S-3TC-N Drawing	•	3-831 Rev. K	CRNNA
5. ASME Code, Sec	tion III, Division 1:		W−73 (addenda da		NA (Code Case no.)
6. Pump or valve	VALVE	Nominal inlet size_3/8	(in.)	Outlet size	3/8
7. Material: Body	SA479-316	Bonnet <u>SA479-316</u>	Disk	A276-316	Bolting NA
(a)	(b)	(c)		(d)	(e)
Cert.	Nat'l	Body	1	Bonnet	Disk
Holder's /	Board	Seria	ıt	Serial	Serial
Serial No.	No.	No.		No.	No. /
N28902	NA	A992-80		A950	13405
N28903	NA	A992-92		A950	13405
N28904	NA .	A992-64		A950	13405
N28905	NA	A992-88		A950	13405
N28905	NA NA	A992-89		A950	13405
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(12/88)

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

^{*}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.

The state of the s	TO BOOK Street Control of the second	### Senar No. N28902-N
8. Design conditions 2240 psi 800 (pressure) (temper		sure class1500#
9. Cold working pressure3600 psl at 100°F		Amenda Procede in
O. Hydrostatic test 5400 psi. Disk differential te	st pressure3960	and the second of the second
1. Remarks: REPLACEMENT VALVES		<u>-</u>
		· · · · · · · · · · · · · · · · · · ·
CERTIFICATION	OF DESIGN	
Design Specification certified by LAWRENCE S. LOOMER	D.C. Carro PA	- 1007c_r
esign Report certified byN/A	P.E. State	Reg. no. 198/5=E
	T.C. State	Neg. noN/A
		V · · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF		
e certify that the statements made in this report are correct and the ASME Code, Section III, Division 1.	that this pump or valve confor	ms to the rules for construction
Certificate of Authorization No. N-2823	' Evoiree	9-10-96
nte 12 - 15 - 93 Name ANDERSON, GREENWOOD & CO. (IN Certificate Holder)	•	2 a. Parks
CERTIFICATE OF IN	VSPECTION	
he undersigned, holding a valid commission issued by the Nat State or Province of	tional Board of Boiler and Pre	essure Vessel Inspectors and
have insp	pected the pump, or valve, de	scribed in this Data Report on
$\frac{12-15-93}{2}$, and state that to the best of cted this pump, or valve, in accordance with the ASME Code, Si	my knowledge and belief, the	e Certificate Holder has con-
Igning this certificate, neither the inspector car his amplanta	Sakaa aass seessa -	
porient described in this Data Report, Furthermore, neither the in	Aspector nor his employer she	Il he liable in any manne (a.
Igning this certificate, neither the inspector nor his employer m ponent described in this Data Report. Furthermore, neither the in personal injury or property damage or a loss of any kind arising fi	Aspector nor his employer she	Il he liable in any manne (a.
Igning this certificate, neither the inspector nor his employer me ponent described in this Data Report. Furthermore, neither the inspersonal injury or property damage or a loss of any kind arising file of the commission of the	nspector nor his employer sha rom or connected with this in:	Il he liable in any manne (a.

(1)

(1) For manually operated valves only.

2025565 SALES ORDER NO ____ 5030524 WIP ORDER FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES*** As Required by the Provisions of the ASME Code, Section III Pg. _ 1 _ of _ 1 Not to Exceed One Day's Production Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 Manufactured for ___ (name and address of purch STOCK Location of installation 3. (name and address) 52,000 PSI MIN AMS5385E (disc) 969155-06 (tenelle strength) (mat'l. spec. no.) NONE ASME Code, Section III: (Code Case no.) Date Revision Fabricated in accordance with Const. Spec. (Div. 2 only) FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A, PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS Nom. thickness (in.) ____ Min. design thickness (in.) ____ Dia. ID (ft. & in.) ____ Length overall (ft. & in.) ____ When applicable, Certificate Holders' Data Reports are attached for each item of this report National Board No. Part or Appurtenance National Board No. Part or Appurtenance in Numerical Order Serial Number Serial Number in Numerical Order TEZG-C1 (26)(1)TEZG-C2 (27)(2)(28)TEZG-C3/ (3) (29)TEZG-C4/ (4)(30) TEZG-C5/ (5)(31)TEZG-C8 / (6)(32)TEZG-C7/ (7) (33)TEZG-C8/ (8) (34)TEZG-C9 / (9)(35) TEZG-C10/ (10) (36)TEZG-c11 / (11)(37)TEZG-C12 (12)(38)TEZG-C13 (13)(39) TEZG-C14 / (14)(40) TEZG-C15 / (15)TEZG-C16 / (41)(16)(42)TEZG-C17/ (17)(43)TEZG-C18 (18)(44)TEZG-C19 (19)(45) TEZG-C20 (20)FTI (46)TEZG-C21 (21)OP SUP (47)TEZG-C22 (22)(48) TEZG-C23 (23)PEG (49) AV94-D1 (24)91-11-1G-F1 at temp. °F N/A ** of Hydro, test pressure _ psi, Temp. 10. Design pressure **FOR ANSI CLASS 1500 VALVES 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. (12/86)

> 0F 29 PAGE 7

FORM N-2 (back)

CERTIFICATION OF EE REMARKS) (when applicable) I/A ppdicable) TIFICATE OF SHOP ct and that this (these ection III2450 AY CORPORATION PT Cartificate Holder)	COMPLIANCE B) STEM A Expir	net Tu	Reg. no Reg. no SLIES, 1 INCH T. 14, 2001	2
(chan applicable) I/A PPRICATE OF SHOP ct and that this (thesection III. -2450 AY CORPORATION	COMPLIANCE B) STEM A Expir	P.E. State ND DISC ASSEMB November	Reg. no	
I/A ppdcates) TIFICATE OF SHOP ct and that this (these sction III. -2450 AY CORPORATION	COMPLIANCE B) STEM A Expir	ND DISC ASSEMB November	1.14, 2001	
ct and that this (thes sction III. -2450 AY CORPORATION	e) <u>STEM A</u>	November	1. 14. 2001 Desta	2
-2450 AY CORPORATION	Expir	November	1. 14. 2001 Desta	 2
AY CORPORATION		net Tu	Pente	<u> </u>
AY CORPORATION PT Certificate Holder)	Sig		cod representative)	
	•			
TIFICATE OF SHOP	INSPECTION	·		
e National Board of E FAC*	ciler and Pressur ORY MUTUAL I	re Vessel Inspectors	s and the State of Provin	>e of
locaribed in this Data	Report on	061 23/00		
ertificate Holder has	fabricated these	barts or appurtenan	ices in accordance with t	ne
rad tor etomotion on I	ne caus snown a	XXVU.		
iloyer makes any wal nombover shall be t	ranty, expressed able in any mann	or implied, concern er for any personal i	initury or property damag	e or
on.		5. (1. 2.) per en en		
tra	A	PART	89 'N'	
od Inspector)	Commission	(Nat'l, Bd. [incl. an	ndorsements] state or prov. and r	<u>a.)</u>
	iescribed in this Data ertificate Holder has zed for stamping on t	described in this Data Report on	described in this Data Report on OAI 23/50 certificate Holder has fabricated these parts or appurtenance defor stamping on the date shown above. Solver makes any warranty, expressed or implied, concern semployer shall be liable in any manner for any personal ion. Commissions PA 23	described in this Data Report on OAL 32/30 certificate Holder has fabricated these parts or appurtenances in accordance with the set stamping on the date shown above. Solver makes any warranty, expressed or implied, concerning the equipment describes employer shall be liable in any manner for any personal injury or property damage ion. Commissions PA 23 89 1 N

FII OP SUP PBG

1. Owner	wner PPL Susquehanna, LLC			Date	Date 6/6/2001				
Two Nort	th Ninth St., Allen		1	Sheet	1 of	1			
2. Plant Su	Address Isquehanna Stear		on	Unit		Two			
PO Box 467 /	707 Salem Blvd,	18603	Con	PCWO 326172, 230631 Repair Organization P.O. No., Job No., etc.					
3. Work Performed by	Address PPL Sus	squehanna, LLO	<u> </u>	,	Type Code Symbol Stamp None				
Two North Ninth St., Allentown, PA 18101			1	Authorization N	Authorization No. N/A				
	Addless			Expiration Date		N/A			
4. Identification of Syste	em	249A - R	HR Pool Spra	y, Pumps and	Auxiliary;	Class 3	· · · · · · · · · · · · · · · · · · ·		
5. (a) Applicable Const	ruction Code n of Section XI Utilize	* 19	71 Edition	thru W'72 89 Ed	Addenda,	NAC	ode Case		
6. Identification of Comp									
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Small Pipe	Bechtel	NA	NA	SPHBC239-3	1983	Replaced	Yes		
Bolting	Allied	NA	NA	SPHBC239-3	2001	Replacement	No		
Small Pipe	Bechtel	NA	NA	SPHBC240-3	1983	Replaced	Yes		
Bolting	Allied	NA ·	NA	SPHBC240-3	2001	Replacement	No		
Pipe Support	Bechtel	NA	NA	SPHBC240- H5003	1983	Repaired	No		
·									
7. Description of Work		Repla	ce bolting; Re	emove/Reinstal	l hanger o	lip			
8. Tests Conducted:	Hydrostatic Other Pres	Pneumatic sure NA		Operating Pressure	: □ NA°F				
NOTE: Supplement of the supple	ental sheets in form o	f lists sketches o	or drawings may each sheet, and	be used, provided (3) each sheet is	(1) size is numbered a	8½ in. x 11 in., (2 and the number of	2) informa- ' sheets is		

recorded at the top of this form.

FORM NIS-2 (Back)

	Replacement bolting construction code is ASME III, 1989 Edition Applicable Manufacturer's Data Reports to be attached
	Commander Wantulacturer's Data Reports to be attached
	
	CERTIFICATION OF COMPLIANCE
We certif ASME Code, S	y that the statements made in the report are correct and this and the statements made in the report are correct and this
Type Code S	Symbol Stamp N/A
Signed \$	Authorization No N/A Expiration N/A Date 12 , 20 01
	CERTIFICATION OF INDEPNIES WAS TO SEE
in this Owner's R to the best of my Owner's Report i By signing this	CERTIFICATION OF INSERVICE INSPECTION and, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. Thave inspected the components described to April 7, 2001, and state that the inspector and belief, the Owner has performed examinations and taken corrective measures described in this in accordance with the requirements of the ASME Code, Section XI. so certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the discontinuation of the ASME Code, Section XI. So certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the discontinuation of the ASME Code, Section XI. So concerning the ASME Code, Section XI. So

1. Owner	Owner PPL Susquehanna, LLC					Date06/25/2001				
	Two North	n Ninth St., Aller			Add	Sheet _	1	of	3	
2. Plant	Sus	squehanna Stea			Aug	Unit			TWO	
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603					Addre	SEE AT			n P.O. No., Job No., etc.	
3. Work Perfo	rmed by		squehanna, LL		Addie	Type Code	,	•	None	
-	Two North	Ninth St., Aller	ntown, PA 1810	1		Authorizati	on No.		N/A	
Expiration DateN/A										
4. Indentificat	ion of Syste	em	RHR Syst	em – Stear	n Co	ondensing	Mod	e 249B,	class 2.	
5. (a) Applicable Construction Code ASME Sec III * 19 71 Edition, thru W'72 Addenda, N/A * Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 (* SEE SECTION 9) 6. Identification of Components Repaired or Replaced and Replacement Components										
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	on	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) HEAT EXC (BOLTING		MLW IND	10639-Q	122		2E205A	\	1976	REPLACED	YES
2) HEAT EXC (BOLTING		PPL	N/A	N/A		2E205A	\	2001	REPLACEMENT	NO
3) HEAT EXC (TUBE PL		MLW .	10639-Q	122		2E205A	(1976	REPAIRED	YES
4) VALVE (DISC)		CROSBY	N60597-00- 0008 (VALVE)	N/A		PSV-2510	6A	1979	REPLACED	YES
5) VALVE (DISC)		CROSBY	N91885-50- 0100	N/A		PSV-2510	6A	1997	REPLACEMENT	YES
6) VALVE (BASE)		CROSBY	N60597-00- 0008 (VALVE)	N/A		PSV-2510	6A	1979	REPLACED	YES
7) VALVE (BASE)		CROSBY	N91850-45- 0042	N/A		PSV-2510	6A	2000	REPLACEMENT	YES
7. Description	of Work			SEE AT	TAC	CHED LIS	TING	*		
8. Tests Cond	C	_	Pneumatic	psi 7	est	perating Pre		°F	SEE ATTACHED L	

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.

FORM NIS-2 (Back)

9. Remarks _	CODE DATA REPORTS	ATTACHED. ORIO		CONSTRUCTION:	Heat exchanger
2E205A	& B ASME Sec III 1971 E			es. CROSBY Origin	nal and
Replacer	ment parts ASME Sec III	974 Edition Summe	r 1975 Addenda		
	····	· · · · · · · · · · · · · · · · · · ·			
					
		CERTIFICATION OF	COMPLIANCE		
We cer	rtify that the statements made in	the report are correct ar			ules of the
ASME Code,	Section XI.		repair or replace		
Type Code	e Symbol Stamp		N/A		
1,500 0000			IN/A		
Certificate of	of Authorization No.	<u>N/A</u>	xpiration	N/A	
Signed	Dwner or Owner's Designee, Title Su	pv Site Modifications Group	_ Date	/26 ,20	0/
U			<u></u>		
	CERT	FICATION OF INSE	RVICE INSPECT	ION	
I, the undersig	gned, holding a valid commissio	n issued by the National I	Board of Boiler and Pi	ressure Vessel Inspectors	and the State
	f <u>PENNSYLVANIA</u> ON, RHODE ISLAND	and employed byF		NSURANCE CO. pected the components de	
in this Owner	s Report during the period	ARCH 21 200	or to APER	l 23 2001 :	and state that
to the best of Owner's Repo	my knowledge and belief, the Coort in accordance with the require	wner has performed exar ements of the ASME Cod	ninations and taken o e. Section XI.	orrective measures descri	bed in this
By signing	this certificate neither the Inspe	ctor nor his employer ma	kes any warranty, exp	ressed or implied, concer	ming the
examinations shall be liable	and corrective measures descri- in any manner for any personal	bed in this Owner's Repo Injury or property damag	rt. Furthermore, neit e or a loss of any kind	her the Inspector nor his e Larising from or connecte	employer d with this
inspection.	/	injury or property damag	c of a loss of any kind	anding from or connecte	a war ans
4	Marchines	Commissio	ns NR 7525	- IRNA PAZ	(5~ 9
	Inspector's Signature		National Board	I, State, Province, and En	dorsements
Date Ju	Inspector's Signature	·			
	·				

1. Owner PPL Susquehanna, LLC				Date		06/25/2001				
Two Nor	th Ninth St., Aller	••••	1	Sheet	2	of <u>3</u>				
2. Plant Su	TWO									
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 Address Address Addre Repair Organization P.O. No., Job No., etc.										
3. Work Performed by PPL Susquehanna, LLC Type Code Symbol No.										
Two Nort	N/A									
Address Expiration Date N/A										
4. Indentification of System RHR System - Steam Condensing Mode 249B, class 2.										
5. (a) Applicable Construction Code ASME Sec III * 19 71 Edition, thru W'72 Addenda, N/A * Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 (* SEE SECTION 9) 6. Identification of Components Repaired or Replaced and Replacement Components										
6. Identification of Comp	onents Repaired or l	Replaced and Repl	acement Compo	nents						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identifica	I	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)			
8) SMALL PIPE SUBASSEMBLY (BOLTING)	BECHTEL	N/A	N/A	SPGBB2	206-2 198	3 REPLACED	YES			
9) SMALL PIPE SUBASSEMBLY (BOLTING)	PPL	N/A	N/A	SPGBB2	206-2 200	1 REPLACEMENT	NO			
10) HEAT EXCHANGER (BOLTING)	MLW IND	10641-Q	124	2E20	5B 197	6 REPLACED	YES			
11) HEAT EXCHANGER (BOLTING)	PPL	N/A	N/A	2E205	5B 200	1 REPLACEMENT	NO			
12) VALVE (DISC)	CROSBY	N60597-00- 0006 (VALVE)	N/A	PSV-25*	06B 197	9 REPLACED	YES			
13) VALVE (DISC)	CROSBY	N91885-54- 0111	N/A	PSV-251	06B 200	1 REPLACEMENT	YES			
14) VALVE (BASE)	CROSBY	N60597-00- 0006 (VALVE)	N/A	PSV-251	06B 197	9 REPLACED	YES			
15) VALVE (BASE)	CROSBY	N91850-46- 0043	N/A	PSV-251	06B 200	1 REPLACEMENT	YES			

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 S	Susquehanna, LLC		Date _		06	5/25/2001	
			t., Allentown, PA 18101	bbA	Sheet	3	of	3	
2.	Plant _		a Steam Electric Station		Unit _			TWO	
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 Address Address						TTACHED LIS			
3. Work Performed by PPL Susquehanna, LLC Name								P.O. No., Job No., etc. None	
Two North Ninth St., Allentown, PA 18101						Authorization NoN/		N/A	
		Add	ress		Expiration	n Date		N/A	
4. Indentification of System RHR System – Steam Condensing Mode 249B, class 2.									
5.	5. (a) Applicable Construction Code ASME Sec III * 19 71 Edition, thru W'72 Addenda, N/A * Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 (* SEE SECTION 9)								
6.	Identificati	on of Components Repa	aired or Replaced and Replacement	Compone	ents				
	ITEM(S)	WORK ORDER	DESCRIPTION OF W	VORK		DESCRIPTION OF TESTS			
	1-2	226500	2E205A, REPLACED HEAT I BOLTING	EXCHANG	ER	NON VT-2 PER MI-PS-008			
	3	226500	2E205A, REPAIRED BY INSTALLATION TUBE PLUGS		ON	NO	N VT-	-2 PER MI-PS-008	
_	4-7	231257	PSV25106A, REPLACED RE DISC & BASE	LIEF VAL	VE	NO	N VT-	-2 PER MI-PS-008	
	8-9	231260	SPGBB206-2, REPLACED S FLANGE NUT.	SMALL PIF	PE	NO	N VT-	2 PER MI-PS-008	
	10-11	226503	2E205B, REPLACED BO	2E205B, REPLACED BOLTING			NON VT-2 PER MI-PS-008		

PSV25106B, REPLACED RELIEF VALVE DISC & BASE

231249

12-15

AND 2314 MARCH, 01** Revised March 23, 2001

CROSBY

CROSBY VALVE & GAGE COMPANY WRENTHAM, MA

Q.C.-392 SHEET 1 OF 2

PORM N-3, N OR NPT CERTIFICATE BOLDERS' DATA REPORT FOR DERITICAL 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
At Required by the Provisions of the ASME Code, Section III, Division I - Not to Exceed One Day's Production 1. Manufactured and certified by Crosby Valve & Gage Company 43 Kendrick St. Wrentham. MA 02083 [Name and Address of N Certificate Holder] 2. Manufactured for PENNSYLVANIA POWER & LIGHT [Name and Address of Purchaser or Owner] 3. Location of Installation BERWICK PA [Name and Address of Purchaser or Owner] 4. (CRN) (Name and Address) (N
1. Manufactured and certified by
Name and Address of N Certificate Holder
Name and Address of N Certificate Holder
Name and Address of N Certificate Holder
2. Manufactured for PENNSYLVANIA POWER & LIGHT (Name and Address of Purchaser or Owner) 3. Location of Installation PERNYLVANIA POWER & LIGHT (Name and Address) (Name and Address and Andress
Name and Address of Purchaser or Owner
3. Location of Installation, BERWICK PA
Name and Address Name National Street Name National Nation
1997 1997
S. ASME Code, Section III, Division 1: 1974 SUMMER 1975 ** # 2 2
S. ASME Code, Section III, Division 1: 1974 SUMMER 1975 ** # 2 2
Material Spec No. (Tensilo Strength)
Dia. ID Length Overall Inch I
Dia: ID Length Overall Inch
Dia: ID Length Overall Inch
Dia: ID Length Overall Inch
7. Design Pressure(PSI) Hydrostatic Test (psig) 675 (When applicable) 8. Febricated in accordance with Const. Spec.(Div. 2 only) (No.) 9. ASME Code, Section III, Division 1: 1974 (Edition) 10. Remarks Serial Number Serial Number Part or Appurtenance Serial Number Board No. Numerical Order (1) N91855-50-0100 (11) (2) (3) (12) (3) (4) (4) (4) (4) (5) (6) (10) (17) (17) (8) (19) (19)
Design Pressure(PSI) Temperature
Hydrostatic Test (psig) 675 at
S. Fabricated in accordance with Const, Spec.(Div. 2 only)
S. Fabricated in accordance with Const, Spec.(Div. 2 only)
8. Fabricated in accordance with Const, Spec.(Div. 2 only) Revision Date
Same Code, Section III, Division 1: 1974 SUMMER 1975 ** 4: 2 2 10. Remarks (Edition) (Addenda Date) (Class) (Code Case No.) (Class) (Code Case No.) (Class) (Cla
9. ASME Code, Section III, Division 1: 1974 SUMMER 1975 ** Ar 2 (Edition) (Addenda Date) (Class) 32361 10. Remarks (Class) 32361 11. When applicable, Certificate Holders' data reports are attached for each item of this report: Part or Appurtenance National Part or Appurtenance Serial Number Board No. Numerical Order
9. ASME Code, Section III, Division 1: 1974 SUMMER 1975 ** 4-2 (Class) (Code Case No.) 10. Remarks (Edition) (Addanda Date) (Class) (Code Case No.) 11. Whan applicable, Certificate Holders' data reports are attached for each item of this report: Part or Appurtenance National Board No. Serial Number Board No. Numerical Order
9. ASME Code, Section III, Division 1: 1974 SUMMER 1975 ** 4-2 (Class) (Code Case No.) 10. Remarks (Edition) (Addanda Date) (Class) (Code Case No.) 11. Whan applicable, Certificate Holders' data reports are attached for each item of this report: Part or Appurtenance National Board No. Serial Number Board No. Numerical Order
10. Remarks (Edition) (Addenda Date) (Class) (Code Case No.)
11. Whan applicable, Certificate Holders' data reports are attached for each item of this report: Part or Appurtenance
11. Whan applicable, Certificate Holders' data reports are attached for each item of this report: Part or Appurtenance
Part or Appurtenance National Board No. Serial Number Board No. Numerical Order
Part or Appurtenance National Board No. Serial Number Board No. Numerical Order
Part or Appurtenance National Board No. Serial Number Board No. Numerical Order
Part or Appurtenance National Board No. Serial Number Board No. Numerical Order
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Serial Number Board No. Numerical Order Board No. Numerical Order
(1) N91855-50-0100 (11) (2) (12) (3) (13) (4) (14) (14) (5) (16) (6) (16) (17) (17) (8) (18) (19) (19)
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(3)
(3)
(4)
(6)
(7) (17) (8) (18) (19)
(8) (18) (19) (19)
(9) (19)
(10) (20)

	•
Manufacturer Serial No. N91855-50-0100	Q.C392 SHEET 2 OF 2
CERTIFICATE OF SHOP COMPLIANCE	
We certify that the statements made in this report are correct and threat it is a DICC	
conform to the rules of construction of the ASME Code, Section III.	
** 2276 1224	
** 23 TO MARCH, DI ROY 23 TO NARCH, DI Date	
** 23 TO MARCH, 0 Rest Date Date Date Date Crosby Valve & Gage Company by Brand Crosby Valve & Gage Company by Cauthorized (Authorized)	orby
NV Certificate of Authorization No. N-1877 Expires 30 SEP 98	Representative)
(Date)	
CERTIFICATE OF DESIGN	
Design specification certified byAUTHUR R. SCHICK	
Design Report Certified by 13898	III III III III III III III III III II
PE State Reg 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 Pressul Inspectors and the State or Province of Massachusetts and employed by Protection Mutual Of Nerwood, Massachusetts	Industrance of the second
port har 26 1997 and state that to the transfer described in this Data Report	on the second
has been authorized for stamping on the detection in a boundaries with the ASME Code, Section III. Esc	ch pert listed
By signing this certificate, neither the inspector nor his employer makes any warrant, expressed concerning the component described in this Data Report. Furthermore, neither the inspector nor shall be liable in any manner for any personal jointy, and present of the property of the prop	or implied, his employer
connected with this inspection.	ing from or
Date 9.2 19.77. ANI ANI	Date
(Inspector) (Nat'!. Bd., State, Prov. 2	<u>'\'</u>
*Factory Mutual Systems	

Q.C.-392 Sheet 1 of 2

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

Manufactured and certified by	Anderson Greenw	on III, Division 1 - Not to Excee yood Crosby, 43 Kendrick St., V	Vrentham, MA 02093
· ·	(Na	me and Address of N Certificate	Holder)
Manufactured for	PENN	SYLVANIA POWER & LIGHT	
		d Address of Purchaser or Own	
Location of Installation		QUEHANNA SES STOREROO	
		(Name and Address)	
Toron DC C 60502 DEV E	SA479 TYPE 316	75,000	2000
1)pc	(mat'l. spec. no.)		(year built)
(•	SUMMER 1975	2
ASME Code, Section III, Division 1	(edition)		(class) (Code Case No
		Revision	- Date
Fabricated in accordance with Cons	t. Spec. (Div. 2 only)		
	,	(no.)	
Remarks			
			11 (6 9 :=)
Nom. thickness (in.) - Min.	design thickness (in.)	Dia. ID (ft & in.)	Length overall (n & m.)
When applicable, Certificate Holder	rs' data reports are attach	ed for each item of this report.	
			N.Y. 1.2. 1.1. Y
Part or Appurtenance	National	Part or Appurtenanc	
Serial Number	Board No.	Serial Number	Board No.
,	in Numerical Order		in Numerical Order
(1) N91850-45-0042		(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)	<u> </u>	(38)	
(14)		(39)	
(15)		(40)	
(20)		(41)	
(16)		***	
		(42)	···
(16)		(43)	
(16) (17)		(43)	
(16) (17) (18)		(43) (44) (45)	
(16) (17) (18) (19)		(43) (44) (45) (46)	
(16) (17) (18) (19) (20)		(43) (44) (45) (46) (47)	
(16) (17) (18) (19) (20) (21)		(43) (44) (45) (46) (47) (48)	
(16) (17) (18) (19) (20) (21) (22)		(43) (44) (45) (46) (47) (48) (49)	
(16) (17) (18) (19) (20) (21) (22) (23)		(43) (44) (45) (46) (47) (48)	

^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

Form N-2 (Back)

Q.C.-392 Sheet 2 of 2

Certificate Holder's Serial No. N91850-45-0042

<u>CERTIFICATE OF DESIGN</u>	
Design specifications certified by ARTHUR R. SCHICK P.E. State CA (when applicable)	Reg. no. <u>13898</u>
Design report* certified byP.E. State	Reg. no.
<u>CERTIFICATE OF COMPLIANCE</u>	
We certify that the statements made in this report are correct and that this (these) Conforms to the rules of construction of the ASME Code, Section III, Division 1.	i.
NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001 Anderson Greenwood Crosby	1
Date 3 APRIL 2000 Signed Wrentham, MA by (NPT Certificate Holder) (Authorized F	Representative)
CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Aril 03, 20 00 and state that to the best of my knowledge and belief, the Cert has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. been authorized for stamping on the date shown above. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or impute equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall manner for any personal injury or property damage or loss of any kind arising from or connected with the	Report on tificate Holder Each part listed has plied, concerning be liable in any
Date 04/03 , 20 00 . Signed Commissions M-1418 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) are	nd state or prov. and no.)

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, Sec	tion III, Division 1 - Not	to Exceed One	Day's Production
. Manufactured and certified by		wood Crosby, 43 Kendri		
	(N	ame and Address of N C	ertificate Holde	τ)
. Manufactured for	PENN	ISYLVANIA POWER &	LIGHT	
	(Name a	nd Address of Purchaser	or Owner)	
. Location of Installation	SUS	SQUEHANNA SES STO	REROOM	
	_	(Name and Address	s)	
. Type <u>DS-C-60597 REV.E</u>	SB164 CL.A	87,000		2001
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
ASME Code, Section III, Division	l:1974 /	SUMMER 1975/	2/	
	(edition)	(addenda date)	(class)	(Code Case No
. Fabricated in accordance with Cons	t. Spec. (Div. 2 only)	R	evision	Date
	•	(no.)		
. Remarks				
Nom. thickness (in.) Min.	design thickness (in.)	- Dia. ID (ft & in.)	I ength	overall (ft & in)
When applicable, Certificate Holder				Overall (it & m.)
When applicable, Certificate Holder	3 data reports are attach	ica for each item of this	eport.	1
Part or Appurtenance	National	Part or Appu	rtenance	National
Serial Number	Board No.	Serial Nu		Board No.
	in Numerical Order	ocial ita	moci	in Numerical Order
(1) N91855-54-0109	m ramerical Order	(26)		hi italicileai Oldei
(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)	• •	
(19) (20)		(44) (45)	• •	
(20)		(45)		
(20) (21) (22) (23)		(45) (46)		
(20) (21) (22) (23) (24)		(45) (46) (47)		
(20) (21) (22) (23)		(45) (46) (47) (48)		

(when applicable)

^{*} Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

Form N-2 (Back)

Q.C.-392 Sheet 2 of 2

Certificate Holder's Serial No. N91855-54-0109

	CERTIFICATE OF DE	<u>SIGN</u>	
Design specifications certified by A	UTHUR R. SCHICK	DE Como	A D 1000
Design specimenations certified by	(when applicable)	P.E. State C	A Reg. no. 13898
	(when applicable)		
Design report* certified by		D. F. Ctore	
Design report certified by	(when applicable)	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	a (thosa) Diese	
conforms to the rules of construction of			
conforms to the rules of construction o	i the Asime Code, Section III, Di	vision 1.	
NPT Certificate of Authorization No.	N-1877 Expires Sep.	20 2001	
141 1 Cermicate of Authorization 140.	N-1877 Expires Sep. Anderson Greenwood Crosby	30, 2001	
Date 28-MAR-01 Signed	•		
Date 28-1-1712 - 01 Signed	Wrentham, MA (NPT Certificate Holder)	by D.E.To	
	(NFT Certificate Holder)	(Aumor	ized Representative)
	CERTIFICATE OF INSPI	ECTION	
	<u> </u>	2022011	,
I, the undersigned, holding a valid com	mission issued by the National Ro	ard of Roiler and Pressu	re Vessel Inspectors and
the State or Province of Massachuse			
	have inspected the		
	and state that to the best of my		
has fabricated these parts or appurtenant	and state that to the best of my	Code Section III Divi	e Certificate Holder
been authorized for stamping on the dat	te shown above	code, section III, Divis	sion 1. Each part listed has
By signing this certificate, neither the In	aspector nor his employer makes	any warranty, expressed	or implied, concerning
the equipment described in this Data Re	port. Furmermore, nemer me m	ispector nor his employer	shall be liable in any
manner for any personal injury or prope	erry damage or loss of any kind a	using from or connected	with this inspection.
_			
Date $3-28$, 20	<u>01 </u>		
Y CON 111			
Signed Central Co. 114	Commission	ons $MA-$	1418 N
(Authorized Inspe	ector) (Nat'l. Bd. (incl. endorseme	nts) and state or prov. and no.)

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

	As required by the Provisions	s of the ASME Code, Sect	tion III, Division 1 - No	ot to Exceed One	Day's Production
1.	Manufactured and certified by		wood Crosby, 43 Kend		
	-		ame and Address of N		
2.	Manufactured for	PENN	SYLVANIA POWER	& LIGHT	
		(Name a	nd Address of Purchase	er or Owner)	
3.	Location of Installation	•	QUEHANNA SES ST	-	
			(Name and Addre		
4.	Type DS-C-60597 REV.E	SA479 TYPE 316	75,000	••	2001
	(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
5.	ASME Code, Section III, Division	_	SUMMER 1975/	2 /	/
	•	(edition)	(addenda date)	(class)	(Code Case No.)
6.	Fabricated in accordance with Cor	st. 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.)
	When applicable, Certificate Hold			·	
_					. ,
	Part or Appurtenance	National	Part or Ap		National
	Serial Number	Board No.	Serial N	Vumber	Board No.
		in Numerical Order			in Numerical Order
	(1) N91850-46-0043		(26)		
	(2) N91850-46-0044		(27)		
	(3)		(28)		
	(4)		(29)		
	(5)		(30)		
	(6)		(31)		
	(7)		(32)		
	(8)		(33)	 	
	(9)		(35)		
	(10) (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 pressu	re 750	at temp. 70 ° F

(when applicable)

^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

Form N-2 (Back)

Certificate Holder's Serial No. N91850-46-0043

Q.C.-392 Sheet 2 of 2

Continuate Honor 3 Serial 1	
<u>CERTIFICATE</u> (OF DESIGN
Design specifications certified by AUTHUR R. SCHICK	P.E. State CA Reg. no. 13898
(when applicabl	
Design report* certified by	P.E. State Reg. no.
(when applicable)	
CERTIFICATE OF	COMPLIANCE
We certify that the statements made in this report are correct and	d that this (these) Bases
conforms to the rules of construction of the ASME Code, Section	The second secon
NOTO Considerate of Authorization No. N 1977 Evolven	5 - 00 0001
NPT Certificate of Authorization No. N-1877 Expires Anderson Greenwood	Sep. 30, 2001 i Crosby
Date 28 - MAR - 0 Signed Wrentham, M.	A by D.E. Turk
(NPT Certificate He	older) (Authorized Representative)
<u>CERTIFICATE OF</u>	INSPECTION
I, the undersigned, holding a valid commission issued by the Na the State or Province of <u>Massachusetts</u> and employed by	
of	· · · · · · · · · · · · · · · · · · ·
Morch 28, 20 01 and state that to the be	
has fabricated these parts or appurtenances in accordance with the been authorized for stamping on the date shown above.	he ASME Code, Section III, Division 1. Each part listed has
By signing this certificate, neither the Inspector nor his employe	
the equipment described in this Data Report. Furthermore, neith	
manner for any personal injury or property damage or loss of an	ly kind arising from or connected with this hispection.
·	
Date 3-28, 20 01.	
Signed Signed Co	commissions MA-1418 N
(Authorized Inspector)	(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

1. Owner	PPL Susquel	nanna, LLC		Date	6	6/5/2001	·
Two North	Ninth St., Allent		1	Sheet	of	1	
2. Plant Sus	Address quehanna Stean	n Electric Statio	on	Unit		Two	
	Name 707 Salem Blvd,				-	247604	
PO BOX 4017	Address	Delwiek, 174	10000	Re	pair Organization	P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	quehanna, LLO	<u> </u>	Type Code Sy	mbol Stamp	None	
Two North	Ninth St., Allent	town, PA 1810	1	Authorization !	No	N/A	
	Addless			Expiration Date	e	N/A	
4. Identification of System	n .	249E - RH	IR Containme	ent Spray Pipe	and Logic	; Class 2	
5. (a) Applicable Constru (b) Applicable Edition	uction Code	III 19	71 Edition	thru W'72	_ Addenda,	4540.4.4504	ode Case
6. Identification of Compo							
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
12" Gate Valve	Anchor Darling	E5854-40-1	NA	HV251F021A	1976	Replaced	Yes
Valve Disc	Flowserve	R7396	NA	HV251F021A	2001	Replacement	Yes
	1		<u> </u>				
7. Description of Work			_	ace valve disc			
8. Tests Conducted:	Hydrostatic Dother Pres	Pneumatic Sure NA		Operating Pressuest Temp.	re		
NOTE: Suppleme	ntal sheets in form o	of lists, sketches, o	or drawings may	be used, provide	ed (1) size is	8½ in. x 11 in., (2	!) informa- sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

Remarks CODE DATA REPORT(S) ATTACHED	
Applicable Manufacturer's Data Repor	ns to be attached
CERTIFICATION OF COM	1PLIANCE
We certify that the statements made in the report are correct and this	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 Expiratio	n N/A
	. 1
Signed Owner of Owner's Designed. Title Supy Site Modifications Group	teme 22 ,20 0/
Owner of Owner's Designes, Title Supv Site Modifications Group	
CERTIFICATION OF INSERVIC	E INSPECTION
the undersigned, holding a valid commission issued by the National Board of	f Boiler and Pressure Vessel Inspectors and the State
Province of PENNSYLVANIA and employed by FACTOR JOHNSTON, RHODE ISLAND	RY MUTUAL INSURANCE CO. of have inspected the components described
this Owner's Report during the period MARCH 23, 2001	to APRIL 2 2001 , and state that
the best of my knowledge and belief, the Owner has performed examination wner's Report in accordance with the requirements of the ASME Code, Secti	ion XI.
By signing this certificate neither the Inspector nor his employer makes any aminations and corrective measures described in this Owner's Report. Furthermore, the contract of	warranty, expressed or implied, concerning the
all be liable in any manner for any personal injury or property damage or a lo	oss of any kind arising from or connected with this
spection	
Inspector's Signature Commissions N	B 7525 FBNA PA 2/59 ational Board, State, Province, and Endorsements
ate Jime 22 2001	and the bodies of the street and an
.i. (1963C & d)	

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. I

	/1			~		_		r and addres	s of MPT Cert	et, Wil			
	(b) l	Manufact	ired loc.	Pennsy	lvania	Power	& Light	t, 2 N	orth Ni	nth St.	, Allen	town, I	PA 1810:
						o. of Part	S/N -	R739	5 /	Nat'l Bd.	No	N/A	
((a) ·	Construc	red Accr	rding to	Drawing N	D7]	1813	Dran	ving Prepa	red by Fl	.owserve	Corpo	ration
(b) 1	Descripci	on of Pr	nt Inspec	zed	DISC	F	Heat #	1378	SA21	6-WCB /		
(c) <i>i</i>	Applicab	e ASME	Code: Sec	tion III, E	dicioa <u>l</u>	.971 , A	ddenda di	W: 7	, Case	No. N/A	Class	2
F	leme	urks:		12'	"-300#	F.W. G	ate						
_	·	F1	wser	re Shor	Order	#P652	G-1	vice for w	hich compo	sent was de	elened)		
-					<i>:</i>	A .			_				
		-				· · · · · · · · · · · · · · · · · · ·					·	·	
te iuc	Hold led	er for ap in the co	MICCORD MDODENI	ces is resi	ponsible (c	i Report a: F furnishi:	te dot the u	esponsibil te Design	Ity of the	NPT Certific	nance as d rate Holder in ms Report in	for parts.	An NPT Ce
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De itre	sign sign the Blal Delle this	information analysis specific: undersite State OSTON. ata Report, the NP	crization CE ion on fi report or stions or report or Mass Ton Certifi is certifi	Expires CRTIFIC. The second of the second o	Signed ATION O CE Pennsy Thas consider the 1	Flows Flows A/15 F DESIC	TE OF Si sued by the have in	HOP INS	ENANCE Properties Properties	f. Authoriza (when appoint Eng. Stands Boiler and roial Unit a pressur and state the SME Code S	plicable) re i Pressure nion Institute besection III.	N17 Reg. No Reg. No Vessel In Surance described at of my kn	spectors e Compar in this owledge

(10/77) This form (E000 40) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017 & Date of 3/03/00 neversed & Acceptable Emilyer BAIT PA 2389

1. Owner	PPL Susque	ehanna, LLC		Date	0	6/18/2001	
Two Nort	h Ninth St., Aller		1 Adv	Sheet	1 of	3	
2. Plant Su	squehanna Stea			Unit		TWO	
PO Box 467 /	707 Salem Blvd,		18603 Add	SEE ATTAC		n P.O. No., Job No., etc.	
3. Work Performed by	PPL Su	squehanna, LL	<u>C</u>	Type Code Sy	mbol	None	
Two Nort	h Ninth St., Allen	itown, PA 1810	1	Authorization	No	N/A	
				Expiration Dat	e	N/A	
4. Indentification of Syst	em	RHR SHUTD	OWN COOLI	NG MODE SY	STEM 249	G, CLASS I	
5. (a) Applicable Constr				·	_ Addenda,		de Case
(b) Applicable Edition	of Section XI Utilize	ed for Repairs or Re	eplacements 19	89	-	(* SEE SECTION	i 9)
6. Identification of Comp	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 (DISC)	ATWOOD MORRILL	4-204	N/A	HV251F050B	1975	REPLACED	YES
2) VALVE (DISC)	ATWOOD MORRILL	HT # 9334 S/N 1	N/A	HV251F050B	1993	REPLACEMENT	YES
3) VALVE (BONNET PLUG)	ATWOOD MORRILL	4-204	N/A	HV251F050B	1975	REPLACED	YES
4) VALVE (BONNET PLUG)	PPL	N/A	N/A	HV251F050B	2001	REPLACEMENT	NO
5) VALVE	ATWOOD MORRILL	4-204	N/A	HV251F050B	1975	REPAIRED	YES
6) VALVE (STEM/DISC)	MASONEILAN	1810-7-1013-8	N/A	HV251F122B	1991	REPLACED	YES
7) VALVE (STEM/DISC)	MASONEILAN	1810-2-1045-9	N/A	HV251F122B	2001	REPLACEMENT	YES
7. Description of Work			SEE ATT	ACHED LISTIN	1G		
	Hydrostatic Other Pres	Pneumatic	Nomina psi Tes	l Operating Press	ure 🗶 °F	SEE ATTACHED L	.IST.
NOTE: Supplemer tion in items 1 thro	atal sheets in form ough 6 on this repo	of lists, sketches, or t is included on e	or drawings may each sheet, and	be used, provide (3) each sheet is	ed (1) size is numbered	8½ in. x 11 in., (2 and the number of) informa- sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORTS ATTACHED. CODE OF CONSTRUCTION : Atwood Morrill, Sec III 1971
Applicable Manufacturer's Data Reports to be attached Ed Winter 1972 Add CC1535-2. Replacement Part 1971 Ed 1972 Add. Masoneilan Original & Replacement
part Sec III 1974 Ed Winter 1975 Add. J.E.Lonergan Original Sec III 1974 Ed Winter 74 Add CC N-242;
Replacement part supplied by Anderson Greenwood Sec III 1974 Ed Winter 1975 Add
OFFICIATION OF COURT INVE
CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this REPAIR AND Conforms to the rules of the
REPLACEMENT
ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp N/A
1976 Code Symbol Camp
Certificate of Authorization No. N/A Expiration N/A
Signed Date Jan 22 ,20 07
Owner or Owner's Designee, Title, Supv Site Modifications Group
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of JOHNSTON, RHODE ISLAND have inspected the components described
in this Owner's Report during the period MARCH 28 2001 to APRIL 7, 2001, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
Commissions NB 7525 IBNA PA 2137 Inspector's Signature National Board, State, Province, and Endorsements
Date Jose 22 2001
200

1. Owner _		PPL Susque				Date	06	6/18/2001	
Т	wo North	Nan Ninth St., Allen	··-	1	Add	Sheet	2 of	3	
2. Plant	Sus	Address squehanna Stear		on	Add	Unit		TWO	
DO D	ny 167 []	Nam 707 Salem Blvd,	-	18603		SEE ATTAC	HED LIST		
PO BC	3X 467 7 1	Address	Derwick, FA	10003	Addre	Re	pair Organization	P.O. No., Job No., etc.	
3. Work Perform	med by _	PPL Sus	squehanna, LL0	<u> </u>		Type Code Sy	mbol	None	
T	wo North	Ninth St., Allen	town, PA 1810	1		Authorization N	No	N/A	
		Addless				Expiration Date	9	N/A	
4. Indentification	on of Syste	em	RHR SHUTD	OWN COC	DLIN	G MODE SY	STEM 249	G, CLASS I	
5. (a) Applicat (b) Applicat	ble Construble Edition	4.0		eplacements	19 _	-	Addenda,	N/A * Co	de Case 9)
Name Compor		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 PIPI SUBASSE		BECHTEL	N/A	N/A	+	SPDCA210-1	1983	REPAIRED	YES
9) SMALL PIPI SUBASSE		BECHTEL	N/A	N/A		SPDCA210-2	1983	REPLACED	YES
10) SMALL PIF SUBASSE		PPL	N/A	N/A		SPDCA210-2	2001	REPLACEMENT	NO
11) SMALL PIF HANGER	PE	BECHTEL	N/A	N/A		SPDCA210- H5007	1983	REPAIR	NO
12) SMALL PI HANGER	IPE	BECHTEL	N/A	N/A		SPDCA210- H5008	1983	REPLACED	NO
13) SMALL PI HANGER	IPE	PPL	N/A	N/A		SPDCA210- H5008	2001	REPLACEMENT	NO
14) VALVE		J.E. LONERGAN	510138-2-15-1	N/A		PSV-251F126	1983	REPAIRED	YES
15) VALVE	1-1-1-1	J.E. LONERGAN	510138-2-15-1	N/A		PSV-251F126	1983	REPLACED	YES
16) VALVE		ANDERSON	HT 9E6313	N/A	$\neg \vdash$	PSV-251F126	1995	REPLACEMENT	YES

GREENWOOD

	uehanna, LLC		Date		06	/18/2001
,	Name					
Two North Ninth St., Alle			Sheet	3	_ of	3
Address		Add				
2. Plant Susquehanna Ste	am Electric Station		Unit			TWO
Na	ame					
PO Box 467 / 707 Salem Blvd	d. Berwick, PA 18603		SEE A	TACHED L	IST	
Address		Addre		Repair Orga	nization	P.O. No., Job No., etc.
3. Work Performed by PPL S	usquehanna, LLC		Type Cod	le Symbol	-	None
	Name					
Two North Ninth St., Alle	entown, PA 18101		Authoriza	tion No.		N/A
Address						
			Expiration	n Date		N/A
4. Indentification of System	RHR SHUTDOWN COC	LIN	G MODE	SYSTEM	1 249	G, CLASS I
5. (a) Applicable Construction Code A	SME Sec III * 19 71 Edit	ion	thru W	72 Adde	enda,	N/A * Code Case
(b) Applicable Edition of Section XI Utiliz	ized for Repairs or Replacements	19	89		,	(* SEE SECTION 9)
						•
6. Identification of Components Repaired o	or Replaced and Replacement Com	npone	ents			
ITEM(S) WORK ORDER	DESCRIPTION OF WORK			DI	ESCRI	PTION OF TESTS
,						
1-5 275214 H	IV-2512F050B, REPLACED VALV	E DIS	SC &	N	ON VT	-2 PER MI-PS-008
BC	ONNET PIPE PLUG. PERFORME ON NEW BONNET (PINNNING) I					
	INSTALLATION.					
6-7 301695 HV	251F0122B, REPLACED VALVE	STEM	DISC	N	ON VT	-2 PER MI-PS-008
	ASSEMBLY	EDe	NAOLI.	Ni	ON VT	-2 PER MI-PS-008
8 276613 SF	PDCA210-1, FW-18 & 19; REPAIR IPE ASSEMBLY BY INSTALLING	UNE	OUAL	111	OIV VI	-2 LIX WII-I O-000
''	LEG FILLET WELDS.					
9-10 276647	SPDCA210-2, REPLACED SMAI			N	ON VT	-2 PER MI-PS-008
	BASSEMBLY USING UNEQUAL L SPDCA210-H5007 & SPDCA210			***		N/A
11-13 276647	H5007 REPAIRED BY REMO\	/AI 0				
	DOOL VELVINED BY VEWO	/AL 0	· 1			
l i µ	REINSTALLATION OF SPD C	LIPS.				
	REINSTALLATION OF SPD C 15008, REPLACEMENT, INSTALL	LIPS. ATIO				
	REINSTALLATION OF SPD C	LIPS. ATIO	N OF	No.	ON VT	-2 PER MI-PS-008

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

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

0	Not to Exceed One Day's Production
ş.	Pg. 1 of 2
	1. Manufactured and certified by Atwood & Morrill Co., Tric. 285 Canal St., Salem, MA 01970 2. Manufactured for Penn Power & Light Co. 2 North Ninth Street, Allentown, PA 18101 Iname and address of Purchaser)
	edoquenanna Power Plant 5 Miles NE on Pee 11 2
	Idrawing no.i SASSI-CF8M 79,100 PSI
	ASME Code, Section III, Division 1: 1971 Winter 1972
6	Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A Remarks: Cust. Item 01. ASM Item 01.
- (Them UI, Uty I Disc - Model Acres to
ı	This certificant
₿.	Nom. thickness (in 1 3 3/4"
", .	When applicable, Certificate Holders' Data Reports are attached for each item of this report: N/A Length overall (ft & in.) N/A

2.11	
Part or Appurtenance Serial Number 11 (1) Ht. 9334 20 5/N 1 (3)	National Board No. in Numerical Order N/A
(3)	
7 7 (4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
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(20)	
(21)	(4
(22)	[4
(23)	[4
(24)	(4)
25)	[45
	(50
esign pressure 1500 p	si. Temp. 565°

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)_		
(27) _		
(28) _ (29) _		
(31)		
(32)		
(33)		
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'* ' <i>'</i>		
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48) 49)		
50)		

epplemental 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 . °F. Hydro, test pressure. eppendental antermation at the torm of lists, sketches, or drawings may be used provided till size is on κ ।।, i is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-2 CERTIFICATESH NO SERVE SHANDEN DENTIFICATE NUCLEAR PARTS AND APPURTEMANCES

En 1947 - A 1948 - 1948 Certificate Holder's Serial Nov. HT 179334 / S/NIthrough CERTIFICATION OF DESIGN Design specifications certified by _ Rajan V. Parekh Reg. no. 29882-E Design report* certified by _ N/A CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this (these) conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. _ Name Atwood & Morrill Co., 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 H.S.B.I. & I. CO. of Hartford, CT have inspected these items described in this Data Report on ______ 28,1993 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, 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 inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Tree Land IE 90040, Kins by School by the Deal City

HW Victoria (1915)

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

N341186

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

Pg. 1 of _1__

	D. D. O. Body	all Stroot Avon Massachusett	s 02322-1190
Manufactured and certified by	asoneilan Dresser, 85 Bodwe	ell Street, Avon, Massachusett	
	***	····	
Manufactured for Pennsylvar	ia Power & Light, 2 North	Ninth St., Allentown, PA 1810	
Location of installation Pennsyl	vania Power & Light, 5 mile	es NE of Berwick on US Rt. 11	, beinicky loose
			2001
Type: P9899 Rev. D Ha	<u>iynes Alloy 6B</u> 139,0	000 PSI N/A ile strength) (CRN)	(year built)
			N/A
ASME Code, Section III, Division 1		ter 1975 Addenda 1 (addenda date) (class)	(Code Case no.)
	•	a) 24	_ N/A
Fabricated in accordance with Con-	st. Spec. (Div. 2 only)N/A	Revision N/A	Date
	mo.		
Remarks: Masoneilan P	art Nº 013431-135-1L2 -	1"	
	a.m. waasaa 5	0 10 -12 -14 -15	
Spare Part f	or S/N N00186-5,-6,-7,-8,-	9,-10,-12,-14,-13	
Qty. 3			****
Nom. thickness (in.) N/A	/lin. design thickness (in.)N/A	Dia. ID (ft & in.) N/A Leng	th overall (ft & in.) N/A
When applicable, Certificate Holde			
Witer applicable, Commedia Helde	A Para Hoporto dio Essacria I cara es		
Bart as Assessed	Notional	Part or Appurtenance	National
Part or Appurtenance	National	Serial Number	Board No.
Serial Number	Board No.	Serial Mulliber	in Numerical Order
Heat Numbers	in Numerical Order		III Numerical Order
(1) _1810-2-1045-7		(26)	
(2)		(27)	
(3)9		(28)	
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(10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(34)	

(12/88)

^{*}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.

FORM N-2 (Back - Pg. 2 of _2_)

	Certificate Holder's Se	erial Nos. N-341186-2 through
	CERTIFICATION OF DESIGN	
Jesign specifications certified by	Sidney A. Copland (when applicable)	P.E. State PA Reg. no. 19877-E
Design report* certified by	N/A (when applicable)	P.E. State <u>N/A</u> Reg. no. <u>N/A</u>
	CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this reconforms to the rules of construction of the A		Plug_S/A
NPT Certificate of Authorization No		pires August 19, 2001
Date <u>2-5-01</u> Name <u>Masone i</u>	lan-Dresser Industries Sign (NPT Certificate Holder)	ned Wilfia f Conce
	CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission MA and employed by	n issued by the National Board of Boiler and H.S.B.I. & I. Co.	Pressure Vessel Inspectors and the State or Province of
of TOPO, C.T. have inspected	these items described in this Data Report or	n 1768. 5, 200 , and state that to the urtenances in accordance with the ASME Code, Section
III, Division 1. Each part listed has been autho By signing this certificate, neither the inspect	rized for stamping on the date shown above or nor his employer makes any warranty, exp	pressed or implied, concerning the equipment described
loss of any kind arising from or connected wit	th this inspection.	ny manner for any personal injury or property damage or
Date 2/5/01 Signed Wille	(Authorized Inspector)	mmissions MA - L33.7 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

3300	
PAUL	<i>\</i>

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

P/0: 5-28704-1

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

: K702800000.001		One Day's Production		Pg. 1 (
Manufactured and certified by A	NDERSON, GREENWOOD & CO. 950 GREENBRIAR, STAFFORD	. A SUBSIDIARY OF KE	YSTONE INTERNA Certificate Holder	TIONAL, INC.
39 Manufactured for PENNSYLVAN	950 GREENBRIAK, STAFFURL	J, 17		
	IN PURER & LIGHT CO., IN	Ineme and address of Purcha	iser)	
Location of installation _SUSQUEF	HANNA STATION, 5 MILES N	IE OF BERWICK ON US	RT 11, BERWICK	, PA 18603
•		(name and address	i)	
Type: C4174 (drawing no.)	SA479-316 W/#6 STELLITE	HF 75	N/A (CRN)	1995 (year built)
(drawing no.)	(mat'l, spec. no.)	_	1 /	-
ASME Code, Section III, Division	1:	W-75	(class)	N/A (Code Case no
		N/A Pavision	N/A	Date N/A
Fabricated in accordance with Cor	nst. Spec. (Div. 2 only)	(no.)		
Remarks:REPLA	CEMENT PART N0053550174	, QUANTITY 1, HEAT	# 9E6313 /	
e de la companya del la companya de	e o o o o o o o o o o o o o o o o o o o			
		J/A 5. 15.41.4.1.1	N/A .	h overall (ft & in) N/A
lom, thickness (in.) N/A				h overall (It & in.)
Vhen applicable, Certificate Holde	rs' Data Reports are attached	for each item of this repo	π:	
Part or Appurtenance	National	Part or App	ourtenance	National
Serial Number	Board No.	Serial N	i	Board No.
	in Numerical Order		1	in Numerical Order
·				
(1)		(26)		
(2)		(27)		
(3)		(28)	- 1	, , , , , , , , , , , , , , , , , , ,
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10)		(34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)		
10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21)		(34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)		
10)		(34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47)		

plemental 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.

FORM N-2 (Back - Pg. 2 of _2_)

	HEAT # 9E6313 Certificate Holder's Serial Nos. N/A through N/A
1	CERTIFICATION OF DESIGN
	Design specifications certified by <u>JAAK SAAME</u> (when applicable) P.E. State <u>CA</u> Reg. no. <u>17004</u>
•	Design report* certified by ROBERT L. MORRISON P.E. State PA Reg. no. 7414-E
	CERTIFICATE OF COMPLIANCE
•	We certify that the statements made in this report are correct and that this (these) PART conforms to the rules of construction of the ASME Code, Section III, Division 1.
	NPT Certificate of Authorization No. N-2825 Expires 9-10-96
	Date 9/7/95 Name ANDERSON, CREENWOOD & CO. Signed Joseph a. Parks (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 BOSTON MA
	best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
1	By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
	Date 9-8-95 Signed Authorized Inspector) Commissions TEX 503 [Nat'l. 8d. (incl. endorsements) and state or proy, and no. l

1. Owner		PPL Susqueh			Date	6	/5/2001	
	Two North	Ninth St., Allent		L	Sheet1	of	1	
		Address					Two	
2. Plant	Sus	quehanna Stean	n Electric Statio	on	Unit		1440	
РО	Box 467 / 7	707 Salem Blvd,	Berwick, PA 1	8603	Ren	•	P.O. No., Job No., etc.	
		Address PPL Sus	guehanna LLC	3	Type Code Sym	_		
3. Work Pei	mormed by	TI L Out	Name					
	Two North	Ninth St., Allent	town, PA 1810	1	Authorization N	o	N/A	
					Expiration Date		N/A	
4. Identific	ation of System	1	250	DA - RCIC Wa	ter Loop Syste	m; Class	2	
5 (a) Ann	licable Constru	ection Code	 19			Addenda,	NA Co	ode Case
(b) App	olicable Edition	of Section XI Utilized			89 Ed			
6. Identific	ation of Compo	onents Repaired or R	Replaced and Repla	acement Compor	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)
Relie	ef Valve	Lonergan	510138-2-12-1	NA	PSV250F017	1982	Replaced	Yes
N	lozzle	Lonergan	Ht # A19077	NA	PSV250F017	2001	Replacement	No
	Disc	Lonergan	Ht # A13383	NA	PSV250F017	2001	Replacement	No
		<u> </u>						
7. Descrit	otion of Work	_		Replace va	lve disc and no	zzle		
-		Hydrostatic	Pneumatic	Nominal	Operating Pressur			
U. 18313 C		· — —	ssure NA	psi Te	st Temp.	NA°F	:	
NOT	TE: Suppleme	ntal sheets in form o	of lists, sketches, or it is included on a	or drawings may each sheet, and	be used, provide (3) each sheet is	d (1) size is numbered	8½ in. x 11 in., (2 and the number of	2) informa- sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks
Applicable Manufacturer's Data Reports to be attached
* Valve Construction Code is ASME III: 1974 Edition through Winter 1974 Addenda, Code Case N242
Replacement Nozzle is ASME III, 1974 Edition through Winter 1974 Addenda
Replacement Disc is ASME III, 1974 Edition through Winter 1975 Addenda
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. Replacement repair or replacement conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed Owner or Owner's Designed Filte Supv Site Modifications Group Date
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 In this Owner's Report during the period FEB 3 200/ to FBB 4 200/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions MB7325 IBNA PA2159 National Board, State, Province, and Endorsements Date 1 20 01

1. Owner		PPL Susqueha			Date	06	/22/2001	
	Two North	Name Ninth St., Allento			Sheet1	of	3	.
2. Plant	Susq	Address Juehanna Steam Name	Electric Statio	n	Unit		TWO	
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.								
3. Work Performed by PPL Susquehanna, LLC					Type Code Symbo	Type Code Symbol None		
Two North Ninth St., Allentown, PA 18101					Authorization No.		N/A	
		Address			Expiration Date		N/A	
	ication of Systen				d Auxiliary 252B,			
(b) App	plicable Edition o	of Section XI Utilized	for Repairs or Re	placements 19	89		* Co	de Case E 3)
6. Identific	cation of Compor	nents Repaired or Re	epiaced and Repia	acement Compo	nienis			r—
	ame of mponent	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 - /	M/DISC SEMBLY	YARWAY	A0492 (VALVE)	N/A	1RV-LSH-2N014 (LSH-255N014-R1)	1977	REPLACED	YES
	EM/DISC SEMBLY	YARWAY	MARK A6 VALVE SN	N/A	1RV-LSH-2N014 (LSH-255N014-R1)	1976	REPLACEMENT	YES
	CKSEAT SHING	YARWAY	5373 A0492 (VALVE)	N/A	1RV-LSH-2N014 (LSH-255N014-R1)	1977	REPLACED	YES
	CKSEAT SHING	YARWAY	HT # 5293	N/A	1RV-LSH-2N014 (LSH-255N014-R1)	1999	REPLACEMENT	NO
	EM/DISC SEMBLY	YARWAY	A0320 (VALVE)	N/A	4RV-LSH-2N014 (LSH-255N014-R4)	1977	REPLACED	YES
	EM/DISC SEMBLY	YARWAY	90-1-2W1-B5	N/A	4RV-LSH-2N014 (LSH-255N014-R4)	1992	REPLACEMENT	YES
	CKSEAT SHING	YARWAY	A0320 (VALVE)	N/A	4RV-LSH-2N014 (LSH-255N014-R4)	1976	REPLACED	YES
7 0	ation of Mode			SEE AT	TACHED LIST.			
·		ydrostatic Dther Pres	Pneumatic	Nomin	al Operating Pressur	°F	(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.

FORM NIS-2 (Back)

CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization No. N/A Signed 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, RIODE ISLAND in this Owner's Report during the period Julie (SC) N/A CODE (No. 100 PENNSYLVANIA) And employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RIODE ISLAND have inspected the components described in the period Julie (SC) N/A CODE (No. 100 PENNSYLVANIA) And INSURANCE CO. of Julie (SC) N/A CODE (No. 100 PENNSYLVANIA) And INSURANCE CO. of Julie (SC) N/A CODE (No. 100 PENNSYLVANIA) And INSURANCE CO. of Julie (SC) N/A CODE (No. 100 PENNSYLVANIA) N/A CODE (No. 100
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date 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. In this Owner's Report during the period Tables (SCO) have inspected the components described in this Owner's Report during the period Tables (SCO)
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization No. N/A Signed Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described in this Owner's Report during the period Tables (See Associated)
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization No. N/A Signed Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND In this Owner's Report during the period Tables (SCOR) have inspected the components described
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date 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. In this Owner's Report during the period Tables (SCO) have inspected the components described in this Owner's Report during the period Tables (SCO)
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date 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. In this Owner's Report during the period Tables (SC) ASME Code, Section XI. Certificate of Authorization No. N/A Expiration Date N/A Date 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 and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND In this Owner's Report during the period Tables (SC) have inspected the components described
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization No. N/A Signed Owner to Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described in this Owner's Report during the period Tables (SC)
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization No. N/A Signed Owner to Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described in this Owner's Report during the period Tables (SC)
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owner of Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described in this Owner's Report during the period Tables.
Certificate of Authorization No. N/A Signed N/A Date Date 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 In this Owner's Report during the period Tables Associated to the components described in this Owner's Report during the period Tables Associated to the components described in this Owner's Report during the period Tables Output Date N/A N/A Page 1918 N/A N/A N/A Signed N/A Associated to the components described in this Owner's Report during the period Tables N/A N/A N/A Signed N/A N/A Signed N/A Signed N/A CERTIFICATION OF INSERVICE INSPECTION
Signed Owner or Owner's Designee, Title 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 Tables.
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 Taxase.
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 Table 100 and 10
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 One of Inspect of Inspec
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND In this Owner's Report during the period Table 100 and 1
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7325 IBNA PA 2159 National Board, State, Province, and Endorsements
Date June 20 0/

1. C	Owner	PPL Susque	ehanna, LLC		Date	C	06/22/2001	
_	Two Nor	th Ninth St., Aller	ntown, PA 1810	01	Sheet 2	of	3	
2. P	lant Su	squehanna Stea		ion -	Unit		TWO	
_	PO E	Box 467, Berwick	-			SEE A	TTACHED LIST	
		Address			Repa	ir Organizati	on P.O. No., Job No., etc.	
3. W	/ork Performed by	PPL Su	squehanna, LL Name	<u>C</u>	Type Code Symi	bol	None	
_	Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization No	•	N/A	
					Expiration Date		N/A	
4. lı	ndentification of Syst	em	HP	CI Turbine a	nd Auxiliary 252B	, Class	2.	
5. ((a) Applicable Constr (b) Applicable Edition	ruction Code AS n of Section XI Utilize	ME SecIII * 19 d for Repairs or Re	71 Edition	n, WIN 72*	Addenda (* SEE C	CODE EDITION PAG	ode Case E 3)
6. ld	dentification of Comp	onents Repaired or F	Replaced and Repl	lacement Compo	onents			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
8)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	4RV-LSH-2N014 (LSH-255N014-R4)	1999	REPLACEMENT	NO
9)	RUPTURE DISC	BS&B SAFETY SYSTEMS	HT # 886798	N/A	PSE2D003	1984	REPLACED	NO
10)	RUPTURE DISC	BS&B SAFETY SYSTEMS	LOT 84090025-1	N/A	PSE2D003	1997	REPLACEMENT	NO
11)	RUPTURE DISC	BS&B SAFETY SYSTEMS	HT # 886798	N/A	PSE2D004	1984	REPLACED	NO
12)	RUPTURE DISC	BS&B SAFETY SYSTEMS	LOT 84090025-1	N/A	PSE2D004	1997	REPLACEMENT	NO .
13)	VALVE	ANDERSON GREENWOOD	N14904	N/A	5 VALVE MANIFOLD	1982	REPLACED	YES
14)	VALVE	ANDERSON GREENWOOD	N14925	N/A	5 VALVE MANIFOLD	1982	REPLACEMENT	YES
15)	TUBING SUBASSEMBLY	BECHTEL.	N/A	N/A	JD-22-3-2A	1983	REPLACED	NO
16)	TUBING SUBASSEMBLY	PPL	N/A	N/A	JD-22-3-2A	2001	REPLACEMENT	NO
17)	RELIEF VALVE NOZZLE	LONERGAN	510138-2-10-1 (VALVE)	N/A	PSV-256F020	1980	REPLACED	YES
18)	RELIEF VALVE NOZZLE	LONERGAN	RN8501755-1- 1	N/A	PSV-256F020	1989	REPLACEMENT	YES

1. Own	1. Owner PPL Susquehanna, LLC Name		Date	06/22/2001
	Two North	Ninth St., Allentown, PA 18101	Sheet 3	of3
2. Plant Susquehanna Steam Electric Station Name			Unit	TWO
	PO Box 467 / 70	07 Salem Blvd, Berwick, PA 18603	SEE ATTACHED LIS Repair Organ	BT ization P.O. No., Job No., etc.
3. Work Performed by PPL Susquehanna, LLC Name			Type Code Symbol	None
	Two North	Ninth St., Allentown, PA 18101	Authorization No.	N/A
			Expiration Date	N/A
4. Inde	ntification of System	HPCI Turbine	and Auxiliary 252B, Cla	ass 2.
(b)	Applicable Edition o	tion Code <u>ASME SecIII*</u> 19 <u>71</u> Editi f Section XI Utilized for Repairs or Replacements 1 ents Repaired or Replaced and Replacement Corr	19 <u>89</u> (* SE	nda, * Code Case E CODE EDITION BELOW)
ITEM(S)	WORK ORDER/ AUTHORIZATION	DESCRIPTION OF WORK	DESCRIPTION OF TESTS	CODE EDITION/ADD (ASME SECT. III)
1-4	V90119	LSH-255N014-R1, REPLACED STEM DISC AND BACKSEAT BUSHING. STEM DISC MARK A6 PREVIOUSLY INSTALLED IN VALVE SN #5373	NON VT-2 PER MI-PS-008	ORIG AND DONOR VALVE, '74 ED/W'74 ADD. BACKSEAT BUSHING '86 /NO ADD
5-8			NON VT-2 PER MI-PS-008	ORIG VALVE, '74 ED/W'74 ADD. REPLACEMENT PARTS '86/NO ADD
9-12	9-12 275455 PSE2D003 & PSE2D004, REPLACED HPCI RUPTURE DISCS AS PART OF PREVENTATIVE MAINTENANCE		VT-2 PER SE-000-017 SYS PRESSURE @ 18-24 PSIG, PUMP DISCH @ 1500	ORIGINAL & REPLACEMENT PARTS, 71 ED SUM 73 ADD
13-16	107747	5 VALVE MANIFOLD & JD-33-3-2A, REPLACED VALVE AND ASSOCIATED TUBE FITTINGS.	NON VT-2 PER MI-PS-008	ORIG & REPLACE, '74/NO ADD. INSTRUMENT FITTING '71/W'72
17-18	234602	PSV-256F020, REPLACED VALVE NOZZLE	NON VT-2 PER MI-PS-008	ORIG VALVE '74/74ADD CC 1555, 1574 & N242. REPLACE NOZZLE '74/W'75ADD

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

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

Pa.	1	of	1
• 14 •		\cdot	

	Manufactured and certified by J. E. Lonergan Co. 10050 Sandmeyer Lane, Philade	elphia, PA 19116
	(name and address of NPT Certificate Holder)	
-ź.	Manufactured for Pennsylvania Power & Light Co. Two North 9th St. Allento	
	(name and address of purchaser) Berwick.	PA 19603
3.	Location of installation Susquehanna SES Storeroom 5 Miles N.E. of Berwick of	
	(name and address)	
4.	Type C-3714 Rev.B320 ASME SA-479 Type 30475,000 * 5-10250-1. (drawing no.) (mat'l. spec. no.) (tensile strength) (CRN)	1989
	(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN)	(year built)
5.	ASME Code, Section III: 1974 Winter 1975 2	N/A
	(edition) (addenda date) (class)	(Code Case no.)
6.	Fabricated in accordance with Const. Spec. (Div. 2 only) N/ARevision N/A	Date N/A
	(no.)	
7.	Remarks: Item #1 Nozzle Heat #808749 J.E.L. #RN8501755	
- •		
	Size and configuration does not allow for NPT Stamping. Item is	dentified with
	Size and configuration does not allow for NPT Stamping. Item is t	dentified with
	Size and configuration does not allow for NPT Stamping. Item is the serial number as noted.	Identified with
	Size and configuration does not allow for NPT Stamping. Item is the serial number as noted.	Identified with
	Size and configuration does not allow for NPT Stamping. Item is in the serial number as noted. *(CRN) Line #4 indicates customer purchase order number.	1
8.	Size and configuration does not allow for NPT Stamping. Item is in the serial number as noted. *(CRN) Line #4 indicates customer purchase order number.	1
	Size and configuration does not allow for NPT Stamping. Item is the serial number as noted.	1

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance NT Serial Number O BY	National Board Number in Numerical Order
		OO LA	S III Numerical Order
RN8501755-1-1	n/a	1/261	(E)
		(27)	./
		(28)	• .
		(29)	
		(30)	
•	·	(31)	
		(32)	
		(33)	
		(34)	
		(35)	
		(36)	
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		(45)	
		(46)	
		(47)	
		(48)	
		(49)	
		(50)	

(when applicable)

plemental 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 cluded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (back)

			Mfr. Ser	ial No	
	CERTIFICATION OF D	ESIGN			
Design specifications certified by	N/A (when applicable)	P.E. Sta	te N/A	_ Reg. no.	N/A
Design report* certified by	N/A (when applicable)	P.E. Sta	nte <u>N/A</u>	_ Reg. no.	N/A
	CERTIFICATE OF SHOP CO	OMPLIANCE			
We certify that the statements made in this conforms to the rules of construction of the	· ·	Part(s)		······································	•
NPT Certificate of Authorization No.	N-2755	ExpiresJune	5, 1990		
Date 3/21/89 Name J.)			lauthorized repr	esentative)	
	CERTIFICATE OF SHOP IN	ISPECTION			
I, the undersigned, holding a valid commiss PA and employed by	. H.S.B.I.&I. CO.				r Province of
of Hardford, CT have inspect best of my knowledge and belief, the Certification of the control of the control of the certification of t	ed these items described in this Data	Report on MARCH 2	0. 1989	, and star	te that to the lode. Section
III. Each part listed has been authorized for		a or appartenances in acc.	ordance with		
By signing this certificate, neither the inspe	ctor nor his employer makes any warr	ranty, expressed or implied	d, concerning t	he equipme	ent described
in this Data Report. Furthermore, neither th		able in any manner for any	personal injur	y or proper	ty damage or
of any kind arising from or connected v	vith this inspector		. 4 - 44		
Date 3/21/1989 Signed	Eth	Commissions	424	7 5	- rod oo l
7-7	(Authorized Inspector)	[Nat't	. Bd. (incl. endorse:	ments) state or	prov. and no.)

. FORM NPV-1 MANGEERERS DATA REPORT FOR NUCLEE . CUMPS OR VALVES*

As Required by the Proxisions of the ASSE Code Rules

. Manufactured by		Blue Bell, Pa.	Orde	No. 48282
. Manufactured for _	Bechtel Power	COID.	Orde	1 No. 8856-P-15-7
. Owner Penns	ylvania Power	& Light Co.		
l. Location of Plant.	5 miles N.E. o	f Berwick, Pa.	on Route 11 Non	th
5. Pump or Valve blee	minamia Nuclear	Service Line V	lalves, 2" and S	Smaller
= Serial Nos		•		1,
SCITAL NOS		5385 iption of service for which eq	uipment was designed)	
(a) Drawing No	045111 Rev. B	Prepared by Yaxwa	ay Corp.	
(b) National Board	No. None			·
6. Design Conditions		psi	oF for Pressure Class	1500 psi
•	•			^
	gn, construction, and wo	•		· · · · · · · · · · · · · · · · · · ·
		rkmanship complies with A		555
		•		Remarks
	74 , Addenda Da	Winter 1974	, Case No.	
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufocturer	Remarks
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufocturer	Remarks
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufocturer	Remarks
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufacturer Nova Howwith	Remarks
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufacturer Nova Howwith	Remarks
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufacturer Nova Howwith	Remarks
Edition 19	74 , Addenda Di	Muterial Spec. No.	Manufacturer Nova Howwith	Remarks Disc
Edition 19	74 Addenda Da	Muterial Spec. No. AMS 5382	Manufacturer Nova Howiest	Remarks Disc
Edition 19	74 Addenda Da	Muterial Spec. No. AMS 5382	Manufacturer Nova Howiest	Remarks Disc
Edition 19	74 Addenda Da	Muterial Spec. No. AMS 5382	Manufacturer Nova Howiest	Remarks Disc
Edition 19	N1 & R3	Muterial Spec. No. AMS 5382 SALO5	Nova Bowiest Cape Ann Tool Co	Remarks Disc Rody

⁽¹⁾ For manually operated valves only.

[&]quot;Supplemental sheets in form of lists, sketches or descript may be the traceled (1) near is 60." : 11", (2) information in items, 1, 2, 5% and 56 on this data report is included on each sheet, and (3) each sheet is nonlineed out number of smells is toround at top of this form.

FORM RPV-1 (back)

			•	
	Burk Ho.	Material Spec. No.	Munuinetwer	Remarks
(c)	Bolting Rome			<u> </u>
				<u> </u>
(6)	Other Parts Rone			
. .				*
•				
				
Hydr	ostatic test5400p	: i.		<u> </u>
		ERTIFICATION OF	DESIGN	
Desig	n information on file at Bechtel	Power Corp.		· · · · · · · · · · · · · · · · · · ·
	analysis report on file at <u>Not Rec</u> a specifications certified by John R		(1) Prof. Erg. State	Pa. Res. No. 19870-
Desig	a specifications certified by <u>volume</u> as analysis report certified by <u>Volume</u>	Required	(1) Prof. Eng. Stat	eReg. No
(1) Si	gnature not required. List name only.		······································	
•		•		
We co	raify that the statements made in this rep	our are correct.	210	
Data	Nov. 8, 19 76 Signed	Yarway Corp.	By	Volgi
Date.	•	(Manufacturer)expiresOcto)	W.A.	Volg á t
Certi	ficate of Authorization No. N899	expiresUCTOL	DEF 20, 13//	
. .			·	
	CER	TIFICATE OF SIOP	INSPECTION	
· 1,	the undersigned, holding a valid comm	asion issued by the Nat	ional Board of Boiler and	l Pressure Vessel Inspectors
and/	or the State of Province of Pennsy	.Vall1 and en	nployed by tilida	anufacturers Hu-
0!	Philadelphia, Pa. Nov. 8, 1976	and state that to th	e best of my knowledge	and belief, the Manufacturer
has	constructed this equipment in accordance	with the applicable Sul	rsections of ASME Code, or makes any wattenty, co	pection III.
manı	her for any personal injury or property da	mage of a toss of any ki	ner witzing itom or connec	on with order and pro- security
5	991	•		•
			•	
Date	Nov. 8, 1976	 ·	. •	•
			:	
	11 11		•	
	V. Vauling	Commissions	NB 7525 PA	2159
	(Inspers 1)		functional liberu's	(ate, Province and No.)

*Part of the .actory Mutual System

102

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

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

Pg.	 _: of	<u></u>

		Annual Ago Norristown Rd., Blue Bell, PA 19422	
1.	Manufactured and certified by	Yarway Corporation, 480 Norristown Rd., Blue Bell, PA 19422	•
ï		B & W Nuclear Services, SPIS, Lynchburg, VA 24506	
2.	Manufactured for	Stock	
	Location of installation	ANS5385E (disc) 52,000 PSI Min. N/A 1992	
4.	Type 969155-06	Steingde strength	
•	ASME Code, Section III:	1986 None I N/A	. '
.D.		Const. Spec. (Div. 2 only)	<u>.</u>

7. Remarks: Fabricated in accordance with Construction Data 969005 Rev. A, pressure retaining parts for Yarway Series 5500 Globe Valve. The owner or their designee shall be responsible for reconciling this construction data with the design specification for the facility using the parts.

USTING THE PARTS.

Min. design thickness (in.) _____ Dia. (D (ft & in.) _____ Length overall (ft & in.) _____

9. When applicable, Certificate Holders! Data Reports are attached for each Item of this report:

Part or Appurtenance Serial Number	National Board No.	Part or Appurtenance Serial Number	National Board Number In Numerical Order
	In Numerical Order	90-1-2W1-B26	
90-1-2W1-B1 90-1-2W1-B2		(26) 90-1-2W1-B27 (27) 90-1-2W1-B28	
90-1-2W1-B3 90-1-2W1-B4		1281 90-1-2W1-829 1291 90-1-2W1-830	
90-1-2W1-85		(30) 90-1-2W1-B31 (31) 90-1-2W1-B32	>
90-1-2W1-B7 90-1-2W1-B8		(32) 90-1-2W1-B33 (33) 90-1-2W1-B34	
90-1-2W1-B9		(34) 90-1-2W1-B35 (35) 90-1-2W1-B36	
90-1-2W1-811 90-1-2W1-812		1371 90-1-2W1-B37 90-1-2W1-B38	
90-1-2W1-B13		1381 90-1-2W1-839 1391 90-1-2W1-840	
90-1-2W1-B15 90-1-2W1-B16		1411 90-1-2W1-841	
90-1-2W1-B17 90-1-2W1-B18		(42) 90-1-241-843 (43) 90-1-241-844	
90-1-2W1-B19 90-1-2W1-B20		144) 90-1-241-845 145) 90-1-241-845	
90-1-2W1-B21 90-1-2W1-B22		(46) 90-1-2W1-847 (47) 90-1-2W1-848	
90-1-2W1-823	• • •	148) 90-1-241-849 149) 90-1-241-850	
90-1-2W1-B25	• •	(50) <u>90-1-241-650</u>	N/A at tem

is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the Cordor Dept., ASME, 22 Law Drive, Bes. 2300; Faillield, NJ 07007-2300

	FORM N-2 (back)	Mir. Serial No. See Front
	CERTIFICATION OF DESIGN	P.E. State Reg. no
Design specifications cartified by —	(See remarks)	P.E. State Reg. no.
Design report: Certification	N/A CERTIFICATE OF SHOP COMPLIANCE	
Contour	N-2450	
Contour	o. N-2450 Expires - Yarway Corporation Signed - PART Considers Haddens	
NPT Certificate of Authorization N Date 21 09 92 Name	Yarway Corporation Signed Yarway Corporation Signed Gertificate Harderi CERTIFICATE OF SHOP INSPECTION Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission issued by the National Board of Boller and Pressued States of Shop Insurance Commission Insurance Commi	F. W. Peszka
NPT Certificate of Authorization No. Date 210092 Name J. the undersigned, holding a valid Pennsylvania of Norwood, HA has	o. N-2450 Expires - Yarway Corporation Signed - PART Considers Haddens	re Vessel Inspectors and the State or Province Ipany* 2 1 - 9 2 and state that to nees in accordance with the ASME Code, Sect

FARE 198

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

As Required by the Provisions of the ASME Code Rules

1.	Manufactured by Anderson, Greenwood & Co; 5425 S. Rice Ave; Order No. 94.0254.03 (Name & Address of Manufacturer) Houston, TX 77081
	Manufactured for Bechtel Power Corp; P.O.Box 384; Berwick, Order No. 8856-J-94-AC (Name and Address) PA 18603
3.	Owner Pennsylvania Power & Light Company
4.	Location of Plant Susquehanna Steam Elec Sta; 4.5 mi NE of Berwick, PA on Rt. 11
5.	Pump or Valve Identification S/N: N14912 thru N14936
	5-Valve Manifold (Brief description of service for which equipment was designed)
	(a) Drawing No. NO2-8248-600 Prepared by Anderson, Greenwood and Company
	(b) National Board No. N/A
6.	Design Conditions 2350 psi 700 °F (Temperature)
7.	The material, design, construction, and workmanship complies with ASME Code Section III. Class 2 -
	Edition 1974 , Addenda Date NO , Case No. N/A
	Mark No. Material Spec. No. Manufacturer Remarks
	(a) Castings N/A
	(b) Forgings N/A

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BECHTE! 594

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

FORM NPV-1 (back)

	- Mark No.	Material Spec. No.	Menufacturer	1 Parisi
(c)	Bolting N/A		 	Remarks
			 	
				<u> </u>
(4)	0.1 0			
(a)	Other Parts NO2-8264-001			
	N02-8264-003	SA105	Gulfalloy	Pipe Plug 1/8
	N02-2583-001	SA105	Gulfalloy	Pipe Plug 1/4
•	N02-8247-500	SA105	AGCO	Bonnet
•	N02-1519-002	SA105	AGCO	Body
•	NO2-8274-001	SA213-316 A276-316	AGCO	Tube
		AC70-310	Ultraspherics	Rall
8. Hydrosi	tatic testpsi.		•	
1	CE	ERTIFICATION OF D	FSICN	
Design i	nformation on file at Anderson.	<u>Greenwood an</u>	d Company	
i Stress ar	Dalveis renors un file ne N/A			
Design s	pecifications certified by Lawre	<u>nce S. Loomer</u>	(1) Prof. Eng. State	PA Res. No. 19875-F
1	sis report Certified by	·	(1) Prof. Eng. State_	N/A Res. No. N/A
(I) Signa	ture not required. List name only.			
We certif	y that the statements made in this report	are correct.		
Date 6	19 87 Signed At	derson Graa		+17
	i/igned III	(Manufacturer) 9.	Co.	C ange
Certificat	te of Authorization No. 2203	8/4/84	co.	
		capites	•	
	CERTIF	ICATE OF SHOP IN	SPECTION	
I, the	undersigned, holding a valid commission	n issued by the Nacian	al Board of Ballan and D	W
	TOTALE OF LIGHTING OF	and emple	at board of boiler and Pre	ssure Vessel Inspectors
of	Boston, Mass.		ve inspected the equipmen	. dana-15 - 1 : - 1 : -
Report on		nd state that to the h	est of my knowledge and	belief the Hami
By sig	POTOR Phire coefficience anish a all I -		THE PROPERTY OF THE PROPERTY O	On the
ing the ed	quipment described in this Data Report. I r any personal injury or property damage	Furthermore, neither the	akes any warranty, expres e Inspector nor his employe	sed or implied, concern-
menner 10	r any personal injury or property damage	or a loss of any kind a	rising from or connected w	ith this inspection.
Date	6/11 . 19 82			
~				
Der	uto mare	· · · · · · · · · · · · · · · · · · ·	100 1007 P	1110#2Rdz
•	(Inapactor)	Commissions	(National Board State Pr	WWC 2073

Printed in U.S.A. (6/72)

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

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17 音響

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		(06/07/2001	
Two Nor	rth Ninth St., Allen	itown, PA 1810		Shee	et	or	33	
2. Plant St	usquehanna Stea			Unit			TWO	
PO Box 467	707 Salem Blvd,			SE		HED LIST pair Organizati	on P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	squehanna, LL	<u>c</u>	Туре	Code Syr	mbol	None	
Two Nor	th Ninth St., Allen	town, PA 1810	1	Autho	orization N	lo.	N/A	
				Expir	ation Date	·	N/A	
4. Indentification of Sys	tem		Standby Liqui	d Contro	ol 253A,	Class 2		
(a) Applicable Const(b) Applicable Edition	ruction Code ASM on of Section XI Utilize		71 Edition		u W'72	Addenda,	N/A * Co	de Case I 9)
6. Identification of Comp	ponents Repaired or F	Replaced and Repl	acement Comp	onents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther ification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) SQUIBB VALVE (INLET FITTING)	CONAX	GE-0540-EQ (5520)	5520	248	F004A	1998	REPLACED	YES
2) SQUIBB VALVE (INLET FITTING)	CONAX	GE-577-EQ (5774)	5774	248	F004A	1999	REPLACEMENT	YES
3) SQUIBB VALVE (TRIGGER ASSEMBL)	CONAX	GE-0540-EQ (5545)	5545	248	F004A	1998	REPLACED	YES
4) SQUIBB VALVE (TRIGGER ASSEMBLY	CONAX	GE-577-EQ (5749)	5749	248	F004A	1999	REPLACEMENT	YES
5) SQUIBB VALVE (INLET FITTING)	CONAX	GE-539-EQ (5519)	5519	248	F004B	1998	REPLACED	YES
6) SQUIBB VALVE (INLET FITTING)	CONAX	GE-576-EQ (5773)	5773	248	F004B	1999	REPLACEMENT	YES
7) SQUIBB VALVE (TRIGGER ASSEMBLY)	CONAX	GE-539-EQ (5544)	5544	248	F004B	1998	REPLACED	YES
7. Description of Work			SEE ATT	ACHED	LISTIN	G		
	Hydrostatic Press	Pneumatic	Nomina psi Te	•	ng Pressu	re 🗶 °F	SEE ATTACHED L	IST.
NOTE: Supplement	ntal sheets in form of	fliete eketchee c	or drawings may	he used	provided	(1) size is	91/2 in v 11 in /2	\ informs-

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		DE OF CONSTR		ONAX Original Valve
and Par	placement Parts Code of				da.
_anu Re	placement Parts Code of	Const ASME Sec	in 1977 unu Sun	iniei 77 Addend	1a.
				 	
		CERTIFICATION	OF COMPLIANO	CE	
Wea	ertify that the statements made	in the report are corre	ct and this REPLAC	CEMENT Conform	s to the rules of the
	e, Section XI.	in the report are derive		eplacement	
Type Cod	de Symbol Stamp		N/A		
•			Expiration		
Certificate	e of Authorization No.	N/A	_ Date		N/A
a:	\ _\\alpha	,	Data > /	<i>r</i> _	, 20 (7)
Signed	Owne or Owner's Designee, Title	Supv Site Modifications G	Date Date	m 22	_ ,2007
		•			
	OFF	TIFICATION OF II	VICEDVICE INCO	CTION	
	CER	TIFICATION OF I	NSERVICE INSPI	ECTION	
	signed, holding a valid commiss	ion issued by the Natio	onal Board of Boiler ar	nd Pressure Vessel I	nspectors and the State
	of <u>PENNSYLVANIA</u> TON, RHODE ISLAND	_ and employed by		AL INSURANCE CO inspected the comp	
in this Owne	er's Report during the period	DEC. 12 200	00 to A	PRIL 2, 20	, and state that
	of my knowledge and belief, the			en correctivé measu	res described in this
	port in accordance with the requing this certificate neither the Ins			expressed or implie	ed concerning the
examination	ns and corrective measures desc	cribed in this Owner's F	Report. Furthermore,	neither the Inspecto	r nor his employer
	ole in any manner for any person	al injury or property da	mage or a loss of any	kind arising from or	connected with this
inspection.					0
the	(Vaulling)	Comm	issions <u>NB 752</u>	5 IBNA	PA 21579
_	Inspector's Signature		National B	loard, State, Provinc	e, and Endorsements
Date Ju	NE 22 2001				

1. Owner		PPL Susque				Date		06/07/2001	
	Two North	Ninth St., Allen	town, PA 1810	1	Add	Sheet	2	of3	
2. Plant		quehanna Stear Name 707 Salem Blvd,	•			Unit	ACHED LIS	TWO T	
	rformed by _	Address	squehanna, LL0		Addre	Type Code S		ation P.O. No., Job No., etc.	
	Two North	Ninth St., Allent	town, PA 1810	1		Authorization	n No	N/A	
5. (a) App (b) App		ction Code ASM of Section XI Utilized	ME Sec III * 19 d for Repairs or Re	71 Edit	tion, 19 _		A, Class		Code Case N 9)
Na. Com	me of nponent	nents Repaired or R Name of Manufacturer	Manufacturer Serial No.	National Board No.	npone	Other Identification		Replacement	ASME Code Stamped (Yes or No)
8) SQUIBE (TRIGGER	B VALVE ASSEMBLY)	CONAX	GE-576-EQ (5748)	5748		248F004B	1999	REPLACEMENT	YES

253A-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 Sus	squehanna, LLC			Date	06/07/2001			
	Tv	wo North Ninth St., A		01	—— Add	Sheet	3	of		3
2. Pla	ant	Susquehanna S	Steam Electric Sta	ation		Unit			TWO	
	PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 SEE ATTACHED LIST Address Addres Repair Organization P.O. No., Job No., etc.									No., etc.
3. W	ork Perform	ned by PPL	. Susquehanna, L	LC		Туре С	ode Sym	boi		None
	Τ\	vo North Ninth St., A		01		Authorization No.). 	N/A	
		Address				Expirat	ion Date		N/A	4
4. In	dentificatio	n of System		Standby	Liquid (Control	253A,	Class 2.		
Ì	b) Applicab	le Construction Code le Edition of Section XI of Components Repaire	Utilized for Repairs or	Replaceme	-	89	W'72	Addenda,	N/A * (* SEE SI	Code Case ECTION 9)
ΙΤ	EM(S)	WORK ORDER	DESCRIP	TION OF V	VORK			DESCRI	PTION OF 1	ESTS
	1-4	229315	248F004A, REPI						PER SE-253 F / Press 14	
	5-8	229312	248F004B, REPI			1			ER SE-253 F / Press 14	

(20)

(21)

(22)

(23)

(24)

(25)

* CORRECTED COPY 5/16/00

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

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

Not to Exceed One Day's Production

		Not to Exceed C)ne Day's	Production		Pg. 1 of <u>2</u>
1. Manur	factured and certified by	IST Cor				14225
			(nam	a and address of NPT Cer	tificate Holder)	
2. Manu	factured for	GE Nuclear E			n Jose, CA 95125	<u> </u>
			(name a	and address of Purchaser)		
3. Locati	on of installation			Unknown		
				(name and address)		
4. Type:	N20000, Rev. G	SA479 304SST	75 K		N/A	1999
	(Grawing no.)	(mat'l spec. no.)	(tensile str	engthi	(CRN)	(year built)
5. ASMI	E Code, Section III. Divisio	on 1: 77		S77	1	N/A
	E Code, Section III, Division	(edition)	(at	ddenda date)	(class)	(Code Case no.)
6. Fabric	ated in accordance with C	onst. Spec. (Div. 2 only)	N/A	Revision	*********	Date
3 D		t	4			•
7. Remar	ks: Ingger Body Su	bassembly for explosive actua	ated valve re	placement kit for si	tandby liquid contr	ol system.
	Para, NB-2121 (b) is applicable to ram. Press	Fit/Seal on	.328 & .4375 diam	seters Overall sub	saccembly langth is 2 5"
			7,10002. 011	1020 2 170 0 21211	O VOICE SOO	discinity length is 2.0 .
	Pressure lest at	2800 psi for 10 minutes.				
8. Nom. 1	thickness (in.) See Remarks!	Min. design thickness (in.) Se	e Remarks D	ia. ID (ft & in.) See	Remarks Length ov	verall (ft & in.) _ See Remarks
		ders' Data Reports are attache				
V. 1111611	applicable, cellineate i loit	ons bata ricports are attached	o ioi eacii ii	tern or tras report.		
		National				National
	Part or Appurtenance Serial Number	Board No.		Part or App Serial N		Board No.
7	Contraction (Contraction)	in Numerical Orde	भ	J. Contain	volinber	in Numerical Order
/ 						
(1)	5745	5745		(26)		
[2]	5746	5746		(27)		
(3)	5747 5748	5747 5748		(28)		
(4) (5)	5749	5749	—	(29)		
(6)	5750	5750		(30)		
(7)				(32)		
(8)				(33)		
(9)				(34)		
(10)	· · · · · · · · · · · · · · · · · · ·			(35)		
(11)				(36)		
(12)		1216		(37)		
(13)		5/N15		(38)		
(14)				(39)		
(15)		FE-575-ER		(40)		
(16)				(41)		
(17)		re 3 16 - 5 T		(42)		
(18)		E 576-EP		(43)		
(19)	Ú		1	[44]	1	

. Design pressure 1500 psi. Temp. 150 °F. Hydro. test pressure <u>* See Remarks</u> at temp. °F (when applicable)

(45)

 $\{46\}$

(47)

(48)

(49)

(50)

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

FOR INFORMATION ONLY

Expires On: \??

FORM N-2 (Back - Pg. 2 of _2_)

	Certificate Holder's Ser	ial Nos.	5745	through	5750
. Design specifications certified by	CERTIFICATION OF DESIG		eCA	Reg. no	15847
Design report* certified by	(when applicable) Francis J. Domino (when applicable)	. •		Reg. no	
We certify that the statements made in the	CERTIFICATE OF COMPLIANT of the conference of th		Trigger Body	Subassembly	
conforms to the rules of construction of t	N-1850	Expires		ember 2, 2001	
Date 5//6/00 Name	IST Conax Nuclear (NPT Cartificate Holder)	Signed //	· -	Ouchm ized representative)	
the undersigned, holding a wallid assumbation	CERTIFICATE OF INSPECTIO				
and employed by	n issued by the National Board of Boiler and P Hartford Steam Boil	er Inspection &	Insurance Con		
pest of my knowledge and belief, the Certification III, Division 1. Each part listed has by signing this certificate, peither the insort	ed these items described in this Data Repo ficate Holder has fabricated these parts or been authorized for stamping on the date : ector nor his employer makes any warranty a. neither the inspector nor his employer of	appurtenances in shown above.	16 199 in accordance	eg , and state with the ASME	Code,
Date <u>5-/6-00</u> Signed (Authorized Inspector) Commiss	sions[Nat'l B	NB 10964	AN NY 5057 Intsl and state or prov	r. and no.]

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

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

Ù	6

SIUNSIN	ctured and certified by	IST Conax	Nuclear, Inc. 402 So	nwil Drive, Cheektowag: of NPT Certificate Holder)	a. NY 14225	
Manufa	ctured for	GE Nuclear E			125	
			(name and address of	Purchaser)	120	
Location	of installation					
Tues	N29017 P F	10117	(name and a	eddress)		
. Туре:	N38017, Rev. F	'SA479 304SST /	75 KSI (tensile strength)	N/A	1999	
		A.met a shape 1000	fraugna ghandini	(CRM)	(year but	at)
ASME	Code, Section III, Division	11:77/	S77 /	1	N/A	Δ
		(edition)	(addenda date)	(class)	(Code Cas	
Fabricate	ed in accordance with Co	nst. Spec. (Div. 2 only)		sion	Date	
			(no.)			
Remarks	: Inlet Fitting for ex	xplosive actuated valve replac	ement kit for standby	liquid control system.		
			•			
	P 7 1	2000 14 40 1				
	Pressure lest at 2	2800 psi for 10 minutes.				
Nom. thi	ckness (in.)040M	lin. design thickness (in.)	.031 Dia. ID (ft &	in.) .815" Length	overall (ft & in.)	2.245
		ers' Data Reports are attache				
			a for each item of this	report:		
1 .	S	National			National	
! '	Part or Appurtenance Serial Number	Board No.	Par	rt or Appurtenance	Board No.	
	Sellai Mullipei	in Numerical Order	r	Serial Number	in Numerical C	
(1)	5770	5770	(26)	•		
(2)	5771	5771	{27}			
(3)	5772	5772	(28)			
(4) _	5773/	5773	(29)			
(5) _	5774	5774	⁽³⁰⁾	•		
(6) (7)	5775	5775			-	
177		1	(32)			
(8)			1 1:00:			
(8) (9)			(33)			
(8) _ (9) _ (10)			(33)			
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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.

FORM N-2 (Back - Pg. 2 of _2_)

- 6A

	Certificate Holder's Ser	ial Nos.	577	70	through	5775
_	CERTIFICATION OF DESI	GN				
Design specifications certified by	George I. Skoda	P.E. S	tate	CΔ	Reg. no.	15047
	(when applicable)		···· —	<u> </u>	veg. no	15847
Design report* certified by	Francis J. Domino (when applicable)	P.E. S	tate	NY	Reg. no	36832
	CERTIFICATE OF COMPLIA	NCE				
We certify that the statements made in	this report are correct and that this (these)			lolet F	ittings	
	the ASME Code, Section III, Division 1.	<u> </u>		- mac i	tungs	
NPT Certificate of Authorization No.		Expires		Sept	mber 2, 2001	
Date <u>6/4/99</u> Name	IST Conax Nuclear	Signed/	Pau		Couchen	
•	to a Comment stolder	/		lauthori	ed representativel	
	CERTIFICATE OF INSPECTION	N			<u> </u>	
, the undersigned, holding a valid commiss	tion issued by the National Board of Boiler and F	ressure Vecc	el Intraci	ore and al	C	<i>.</i>
and employed by	/ Hartford Steam Boil	er inspection	& Insue	ance Com	0254	
hartford, CT have inspendent of my knowledge and belief, the Ce Section III, Division 1. Each part listed have signing this certificate, neither the inspendent in this Data Report. Furthermore property damage or loss of any kind arising the control of the contr	cted these items described in this Data Repo rtificate Holder has fabricated these parts or as been authorized for stamping on the date s spector nor his employer makes any warranty ore, neither the inspector nor his employer sh ng from or connected with this inspection,	appurtenance shown above a expressed all be liable i	es in acc or implie n any ma	199 cordance d, concer anner for	, and state with the ASME ning the equipmany personal inj	Code, nent ury or
ate <u>9-27.99</u> Signed	(Authorized Inspector) Commiss	sions	NE	3 10964 <i>A</i>	N NY 5057	
{	(Authorized Inspector)	[Na	t'l Bd. (inci.	endorseme	nts) and state or pro-	v. and no.)



1. Owner	21-1	PPL Susquel			Date	0	6/18/2001	
···-	Two North	n Ninth St., Allen	· ·	1	Sheet	1 of	1	
2. Plant	Sus	Address squehanna Stean		on	Unit		TWO	
PC	Box 467 / 7	Name 707 Salem Blvd, Address		18603	CI	RF # 00-255	6813 & 252496, 6-004-& 00-255-005 in P.O. No., Job No., etc.	
3. Work Pe	erformed by	PPL Sus	quehanna, LLO	<u> </u>	Type Code Syr	nbol	None	
	Two North	Ninth St., Allent		1	Authorization N	lo	N/A	····
		Address			Expiration Date		N/A	
4. Indentifi	cation of Syste	em	CONTROL R	OD DRIVE H	YDRAULIC SY	STEM, 25	5, CLASS III	
	licable Constru plicable Edition	of Section XI Utilized		71 Edition	·	Addenda, CC N-416		ode Case
6. Identific	ation of Compo	onents Repaired or R	Replaced and Repl	acement Compo	nents			
	nme of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
	GE PIPE EMBLY	PPL.	N/A	N/A	DBC-208-1	1986	REPLACED	NO
	GE PIPE EMBLY	PPL	N/A	N/A	DBC-208-1	2000	REPLACEMENT	NO
3) VAL\	VΕ	ANCHOR DARLING	E6695-1-1	N/A	2-46-027	1986	REPLACED	YES
4) VAL\	/E	FLOWSERVE	E932A-1-4	N/A	2-46-027	2000	REPLACEMENT	YES
5) VAL\	VE .	ANCHOR DARLING	E6695-1-2	N/A	2-46-028	1986	REPLACED	YES
6) VAL\	VΕ	FLOWSERVE	E932A-1-3	N/A	2-46-028	2000	REPLACEMENT	YES
8. Tests Co	C	lydrostatic Press	Pneumaticsure1080	Nomina psi Tes		re X \$ °F		
NOTE tion in	E: Supplemen	tal sheets in form ough 6 on this report	f lists, sketches, of t is included on e	or drawings may each sheet, and	be used, provide (3) each sheet is	d (1) size is numbered	s 8½ in. x 11 in., (2 and the number of	2) informa- sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement SME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. Signed Where or Owner's Deskryfe, Title Supv Site Modifications Group The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND This Owner's Report during the period and employed by FACTORY MUTUAL INSURANCE CO. 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 lowner'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 lowner's Report in any marmer for any personal injury or property damage or a loss of any kind arising from or connected with this spection. Commissions M3 75 25 BWA A 2 5 9 National Board, State, Province, and Endorsements and the June of the State of Signature National Board, State, Province, and Endorsements and the June of the State of Signature National Board, State, Province, and Endorsements and the June of State of Signature National Board, State, Province, and Endorsements and the June of State of Signature National Board, State, Province, and Endorsements and Board, State, Province, and Endorsements National Board, State, Province, and Endorsements and Endorsements National Board, State, Province, and Endorsements and Endorsements National Board, State, Province, and Endorsements and Endorsements Nat	•	Applicable Mani	ufacturer's Data Reports to be atta-	ched
CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this SME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date CERTIFICATION OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State of Province of PENNYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND 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 xaminations and corrective measures described in this Owner's Report. Furthermore, 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 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 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 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 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 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 makes any warranty, expressed or implied, concern	ASME Sec III, 1971 ED	Summer 1973 Addenda	a CC 1516-1 & 1534.	Replacement Valve(s) Code of
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Inspector's Signature Commissions NB 7525 IBNA PA 2159 National Board, State, Province, and Endorsements	caminations and corrective me	asures described in this Own	er's Report. Furthermore	, neither the Inspector nor his employer
Inspector's Signature Commissions NB 75 2.5 IBNA PA 2.15 P National Board, State, Province, and Endorsements		any personal injury or proper	ty damage or a loss of an	y kind arising from or connected with this
	spection.			- 12.12 On
		Co	ommissions National I	Board State Province and Endorsements
		lature	Nadonari	board, otato, i rovinco, and Endocomonia

1983 Edition

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

	Flowserve	Corp.	15501	
a sa carama and an	rillied by 701 First	ctroot. William	sport, PA 17701	
1. Manufactured and ce	101100 01	(name and addre	ess of N Certificate Holder)	
	onnewlyania Power	& Light Inc., 2	North Ninth St., A	llentown, PA
2. Manufactured for P	ennsylvania louss	(name and address of P	urchaser or Owner)	18101-1149
	Cucauchanna Stai	tion, P.O. Box 4	67, Berwick, PA 186	03
3. Location of installation	Durabla	(name ar	nd sddress)	
•		Drawing <u>W99254</u>	76 Rev. A	CRN
4. Model No., Series No	., or TypeCheck	_ Drawing	1.001	•
		Summer 82	· 3	
5. ASME Code Section	III: 1980	Addends date	Class	Code Case no.
		2 #	Outlet size 3"	_
6. Pump or valveVa	1ve Nominal in	let sizelin.)	· (in.)	
	End Flanc		SA479-316 Bolting	SA193-B7
7. Material: Body SAZ	216-WCB XBENKIN _	ge SA105 Dist	C DATE DOKING	SA194-2H
			2.25	(e)
(a)	(b)	(c)	(d)	Disk
Cert.	Nat'l	Body	Romak End	Serial
Holder's	Board	Serial	Menax Flange	No.
Serial No.	No.	No.	No.	110.
			HT #703ZNF1	3
E932A-1-3	N/A	4		4
E932A-1-4	N/A	6	HT #703ZNF1	<u>,</u>
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		<u></u>		
				Information in Items 1

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

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

FORM NPV-

• • •	•	Mfr. Serie	
		•	
Remarks			<u> </u>
S.O. #E932A-1			<u> </u>
Design conditions 2220	nsi 100	°F or valve pressure clas	_ 900 #
Design conditions 2220 (pressure)			8
Cold working pressure 2220	psi at 100°F		lar,
	Ambi ant		2442
Hydrostatic test 3350	psi Temp. Allibreite	°F Disk differential test pressure	
	CERTIFICATION C	DE DECICAL	
	CERTIFICATION	/F DESIGN	
sign Specification certified by		Prof. Eng. state PA	Reg. No. 19870-1
sign Report certified byR.	S. Farrell	Prof. Eng. state PA	. Reg. No. <u>035216-</u>
·	CERTIFICATE OF SHOP	COMPLIANCE	
We certify that the statements made i	n this report are correct and th	at this pump or valve conforms to th	e rules for construction
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No	n this report are correct and th	Expires4/	e rules for construction
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No.	N1712 erve Corp.	Expires4/	e rules for construction 15/01
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No.	N1712	. 4/	15/01 ett
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No.	N1712 erve Corp.	Expires 4/	15/01 ett
Ve certify that the statements made in the ASME Code, Section III. Certificate of Authorization No	N1712 erve Corp.	Expires 4/	15/01 ett
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No te 3 20 200 Name _Flows	N1712 erve Corp.	Expires 4/ Signed R & Homm	15/01 ett
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No te 3 20 200 Name _Flows	N1712 erve Corp. (N Certificate Holder) CERTIFICATE OF SHORE	Expires 4/ Signed R & Hown Irepresent	15/01 Lett Hauvel
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No te 3/20/2000 NameFlows	N1712 erve Corp. (N Certificate Holder) CERTIFICATE OF SHORE	Expires 4/ Signed R & Hown Irepresent	15/01 Lett Hauvel
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHORE Inmission issued by the Nationia have inspe	Signed R & Hown Irepresent P INSPECTION and employed by Commercial cted the pump, or valve, described in	/essel Inspectors and Union Ins. Co.
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No te 3 20 2000 Name Flows The undersigned, holding a valid constant State EKROSONS of Pennsylva Boston. MA	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHOwn in the National State that to the best	Signed R & Sown Irepresent P INSPECTION The property of the pump, or valve, described of my knowledge and belief, the N	/essel Inspectors and Union Ins. Co.
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHOwn in the National State that to the best	Signed R & Sown Irepresent P INSPECTION The property of the pump, or valve, described of my knowledge and belief, the N	/essel Inspectors and Union Ins. Co.
the ASME Code, Section III. Certificate of Authorization No the 312012000 Name Flows The state with a statements made in the ASME Code, Section III. Flows The state with the statements made in the ASME Code, and the State with the statement of Pennsylva Roston. MA The state with the statements made in the ASME Code, and the statement of Pennsylva Roston. MA The statements made in the ASME Code, section III.	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHOpen in the National in the Natio	Signed R 3 Hown Irepresent P INSPECTION onal Board of Boiler and Pressure Vandemployed by Commercial cted the pump, or valve, described of my knowledge and belief, the N , Section III.	/essel Inspectors and Union Ins. Co.
the ASME Code, Section III. Certificate of Authorization No the 3/20/2000 Name Flows The undersigned, holding a valid constructed this pump, or valve, in accounting this certificate, neither the life in the life i	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHORM Inmission issued by the Nationia have inspected, and state that to the best ordance with the ASME Code Inspector nor his employer management.	Signed R & Sown Irepresent P INSPECTION and employed by Commercial cted the pump, or valve, described of my knowledge and belief, the N Section III.	/essel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has
We certify that the statements made in the ASME Code, Section III. Certificate of Authorization No the 3 20 200 Name Flows The undersigned, holding a valid contact the undersigned of Pennsylva Boston. MA	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHORM Inmission issued by the Nationia have inspector and state that to the best ordance with the ASME Code Inspector nor his employer management of the Inspector in	Signed R & Stown Irepresent P INSPECTION and employed by Commercial and employed by cted the pump, or valve, described of my knowledge and belief, the N Section III. akes any warranty, expressed or imspector nor his employer shall be lia	/essel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has applied, concerning the ble in any manner for
the ASME Code, Section III. Certificate of Authorization No	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHORM Inmission issued by the Nationia have inspector and state that to the best ordance with the ASME Code Inspector nor his employer management of the Inspector in	Signed R & Stown Irepresent P INSPECTION and employed by Commercial and employed by cted the pump, or valve, described of my knowledge and belief, the N Section III. akes any warranty, expressed or imspector nor his employer shall be lia	/essel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has uplied, concerning the ble in any manner for
the ASME Code, Section III. Certificate of Authorization No	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHORM Inmission issued by the Nationia have inspector and state that to the best ordance with the ASME Code Inspector nor his employer management of the Inspector in	Signed R & Stown Irepresent P INSPECTION and employed by Commercial and employed by cted the pump, or valve, described of my knowledge and belief, the N Section III. akes any warranty, expressed or imspector nor his employer shall be lia	/essel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has uplied, concerning the ble in any manner for
the ASME Code, Section III. Certificate of Authorization No te 3 20 2000 Name Flows The undersigned, holding a valid constitute with the state with	N1712 SERVE CORP. (N Certificate Holder) CERTIFICATE OF SHORM mission issued by the National have inspected and state that to the best ordance with the ASME Code inspector nor his employer missional processing from the line or a loss of any kind arising for the line of the li	Signed R & Sommer Signed R S S S S S S S S S S S S S S S S S S	/essel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has applied, concerning the ble in any manner for on.
the ASME Code, Section III. Certificate of Authorization No te 3 20 2000 Name Flows The undersigned, holding a valid cone State SKROSKING of Pennsylva Boston. MA Downstructed this pump, or valve, in accounting this certificate, neither the largement described in this Data Report of personal injury or property damage.	N1712 Serve Corp. (N Certificate Holder) CERTIFICATE OF SHOWN AND AND AND AND AND AND AND AND AND AN	Signed R & Sommer Signed R S S S S S S S S S S S S S S S S S S	Vessel inspectors and Union Ins. Co. in this Data Report on Certificate Holder has inplied, concerning the ble in any manner for on.

(1) For manually operated valves only.

1. Owner		ehanna, LLC	<u></u>	Date		06/12/2001				
Two Nort	th Ninth St., Aller	ntown, PA 1810	01	Sheet	<u>1</u> o	f3				
2. Plant Su	squehanna Stea		on	Unit		TWO				
PO Box 467 /	707 Salem Blvd,	•	18603	Page	SEE AT	TACHED LIST				
3. Work Performed by		squehanna, LL	С	Type Code Syr		on P.O. No., Job No., etc. None				
Two Nort	h Ninth St., Allen		1	Authorization N	lo	N/A				
Expiration DateN/A										
4. Indentification of System CONTROL ROD HYDRAULICS SYSTEM 255B, CLASS 2.										
5. (a) Applicable Construction Code ASME Sec III * 19 71 Edition, thru W'72 Addenda, N/A Code Case										
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 (* SEE COMENTS SECTION 9)										
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	onents						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)			
1) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1898	N/A	HCU-4227	1975	REPLACED	YES			
2) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8356	N/A	HCU-4227	1999	REPLACEMENT	YES			
3) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1946	N/A	HCU-3815	1975	REPLACED	YES			
4) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8346	N/A	HCU-3815	1999	REPLACEMENT	YES			
5) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1234	N/A	HCU-5031	1975	REPLACED	YES			
6) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8343	N/A	HCU-5031	1999	REPLACEMENT	YES			
7) VALVE (STEM/DISC ASSM)	DRAGON	EM1237 (VALVE)	N/A	247F102-0639	1977	REPLACED	YES			
7. Description of Work 3. Tests Conducted: H	ydrostatic	Pneumatic		TACHED LIST.	e 🗍	(SEE PAGE 3)				
	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)

9. Remarks CODE DATA REPORT(S) ATTACHED; CODE OF CONSTRUCTION: DRAGON, ORIG. VALVES
Applicable Manufacturer's Data Reports to be attached ASME III, '74W'75; PARTS ASME III '80 SUMMER '82 ADD. ALL VOGT VALVES ASME III '71 S '73;
ASME III, 14W 75, PARTS ASME III 60 SOMMER 62 ADD. ALL VOGT VALVEG ASME III 71 G 75,
PARTS ASME III '71 WINTER 71 ADD. GE ACCUMULATORS:. ASME VIII, DIV 1,
(YEAR1998 & 1999) '98 ED. '98 ADD
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. REPLACEMENT repair or replacement conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date Date 20 , 20 01 Owner or Owner's Designee, Title Supv Site Modifications Group
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period Mach 14, 2000 to Mach 13, 2001, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7525 IBNA PA 2457
Inspector's Signature National Board, State, Province, and Endorsements Date 2/ 200/

1. Owner		ehanna, LLC	 	Date		06/12/2001					
Two Nor	rth Ninth St., Alle		01	Sheet	2	of3					
2. Plant Su	usquehanna Stea		tion	Unit		TWO					
PO	Box 467, Berwick	· · ·		2	SEE A	TTACHED LIST					
3. Work Performed by		squehanna, LL	.c	Type Code Syn		tion P.O. No., Job No., etc.)				
Two Nor	th Ninth St., Aller	ntown, PA 1810)1	Authorization N	o	N/A					
Expiration DateN/A											
4. Indentification of Syst	4. Indentification of System CONTROL ROD HYDRAULICS SYSTEM 255B, CLASS 2.										
5. (a) Applicable Constr (b) Applicable Edition6. Identification of Comp	n of Section XI Utilize	ME Sec III * 19 ed for Repairs or R	71 Edition	n, Thru W'72 89	Addenda		Code Case ON 9)				
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)				
8) VALVE (STEM/DISC ASSM)	DRAGON	HT # 46190	N/A	247F102-0639	1983	REPLACEMENT	NO				
9) VALVE (GATE)	HENRY VOGT	3995-193645 (VALVE)	N/A	247101-3843	1975	REPLACED	YES				
10) VALVE (GATE)	HENRY VOGT	HT CD# WAY	N/A	247101-3843	1996	REPLACEMENT	YES				
11) VALVE (STEM/DISC ASSM)	DRAGON	EM1587 (VALVE)	N/A	247F101-2647	1977	REPLACED	YES				
12) VALVE (STEM/DISC ASSM)	DRAGON	HT # 46190	N/A	247F101-2647	1983	REPLACEMENT	NO				
13) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2019	N/A	HCU-1823	1975	REPLACED	YES				
14) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8131	N/A	HCU-1823	1999	REPLACEMENT	YES				
15) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1395	N/A	HCU-1047	1975	REPLACED	YES				
16) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8341	N/A	HCU-1047	1999	REPLACEMENT	YES				
17) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1317	N/A	HCU-3411	1975	REPLACED	YES				
18) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	8118	N/A	HCU-3411	1998	REPLACEMENT	YES				

1. Owr	ner	PPL Susqueh		Date		06/12	/2001					
<u> </u>	Two North	Ninth St., Allento	own, PA 18101	Sheet _	3	of	3					
2. Plan	st Sus	quehanna Steam	Electric Station	Unit		TV	VO					
	PO Box 467 / 7	07 Salem Blvd, I	Berwick, PA 18603	SEE AT	TACHED LI Repair Orga		No., Job No., etc.					
3. Worl	. Work Performed by PPL Susquehanna, LLC Type Code Symbol None											
	Two North Ninth St., Allentown, PA 18101 Authorization No. N/A											
	Expiration Date N/A											
4. Inde	entification of System	n	CONTROL ROD HYDRA	AULICS SYS	STEM 25	5B, CLA	ASS 2.					
(b)	Applicable Edition of	of Section XI Utilized	Sec III * 19 71 Edition For Repairs or Replacements 19 placed and Replacement Compo	89		· —	A* Code Case ENTS SECTION 9)					
TEM(S)	WORK ORDER	CODE FORM	DESCRIPTION	OF WORK			DESCRIPTION OF TESTS					
1-2	229500	00-255-001	HCU-4227, REPLACED	ACCUMULATO	DR	NON	VT-2 PER MT-055-002					
3-4	252689	00-255-002	HCU-3815, REPLACED	ACCUMULATO	DR	NON	VT-2 PER MT-055-002					
5-6	252690	00-255-003	HCU-5031, REPLACED	ACCUMULATO)R	NON	VT-2 PER MT-055-002					
7-8	107603	00-255-005	247F102, HCU-0639, REPL	ACED STEM D	ISC	NON	VT-2 PER MI-PS-008					
9-10	107604	00-255-006	247101, HCU-3843, REI	PLACED GATE		NON	VT-2 PER MI-PS-008					
11-12	107605	00-255-007	247F101, HCU-2647, REPL	ACED STEM D	ISC	NON	VT-2 PER MI-PS-008					
13-14	272667	00-255-008	HCU-1823, REPLACED	ACCUMULATO)R	NON	VT-2 PER MT-055-002					
15-16	VT-2 PER MT-055-002											
17-18	296968	00-255-010	HCU-3411, REPLACED	ACCUMULATO	R	NON	VT-2 PER MT-055-002					

_1.	Manufactured and .	certified t	у <u>Gелеі</u>	al Elec	tric Com	pany Nuc	lear En	ergy (GE-Ni	E)				
		_	3901	<u>Jastie</u>	Hayne Re	oad, Wilm (N	ington,	North Carolir	na 28401 ·				
2.	Manufactured for	<u>Sus</u>	<u>quehanna</u>	182	Berwic	<u>k: Pennsyl</u>	vania	18603					
3. I	Location of Installs	tion _	<u></u>	ot kno	wn			iddress of purchaser)					
4.	rype <u>Vertica</u>	<u>/</u>	8	356		N/A		and address)	004 5 00				
5 . 1	Horiz, or ve	•	_(M	gra seria.		N/A (CRN	7	1 <u>12D3405 G</u>	wing No.)		/A 1999 N. Bd. No.) (Year ba		
	nd workmanahip e	onform to	ASME Rules, 8	ection VI	t the requirem it. Division 1	ents of materia	l specifica	tions of the ASME BO	ILER AND PRESSUR	E VESSEL COD	(Year bi		
						Year		7998 Addenda (Date)	N/A Code Case N	los. Sr	N/A pecial Service per UG-120(d)		
	Mart.	Spec. No.,	Grade)		Nom. Thk. (1	750° n.)	Cort. Alio	<u> </u>	7.028' Diam. I.D. (ft. & in.)	<u> </u>	3 ft. 2.38 inch		
	Long. (We	<u>Seamie</u> Нава,Оы.,S	ISS Ingl.,Lap,Bull)	H.T. (S)	otor Full) T	:#.(%) H.T. 76	emo. (F)	None(br) Sidb (Wa	/A		ength (overall) (ft. & in.) Partial, or Full) No. of Cours		
a. H	eade: (a) Matl.			4 ★c. No. G			(b) MadS	A182-F304	utti H.I.(Spott	rantial, or Full) No. of Cours		
	(Spec. No. Grade)												
	Bottom, Ends)	Thicks		OWENCE	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)		
(a)	Тор	2.485	i• 0.	005*	_	-	-			7.220*	Flathead		
(b)	b) Bottom 2.485° 0.005°												
	If removable, bolts used (describe other fastenings)												
				•			(A	Aail., Spec. No., Gr., Sc					
9. NJ	WP <u>2100</u>	pel at ma:	x. temp	<u>0°</u> f.	Min. design	metal temp	<u>35°</u>	Fat <u>2100</u> pai. H	/drostatic lest pressu	ıra 3500) psi,		
8. No	zzies, inspection	and safety	valve openings								<u> </u>		
	Purpose (inlet, Outlet, Drain)	No.	Drain or Size	1	ype	Mati.		Nom.	Reinforcement	How	Location		
ı	Gas Port	1	0.75'	0	pening	SA182-F	304	Thickness N/A	Material N/A	How Attached Location			
_ [Water Port	1	0.97*		pening	SA182-F		N/A	N/A	N/A N/A	N/A N/A		
J. Su		<u>lo</u> L	ugs	Legs	. Othe	H Band (Clamps	Attached 876	nund annew				
. Re	•	or No J	(No.)		No.)	Desc	cribe)		OUND approx. (Where and how)				
								f inspectors have bee	л furnished for the fo	ollowing items o	of the report :		
						name and identi							
	<u>Com</u>	olete m	echanical	asser	nbly with	no welded	i joints						
	<u>Allino</u> hvdra	ugn a u ostatica	Jiπerentiai Ily tested	Press	ure exists	on each	<u>side of</u>	the Internal Pi	ston, the Acc	umulator (Cylinder is		
	Meet	s desig	in, constru	<u>viii) iii</u> Iction.	e rision i and test	<u>removea .</u> requireme	nte of a	1977 edition, w	-1-A 4070 1				
_					una test i	equilenie.	riis Or i	977 Edition, W	rinter 1979 adı	denda.			
					CERTIF	ICATE OF	SHOP	COMPLIANC	E		-		
We	certify that the sta	tements m	ade in this rep	ort ere cor	rect and that	ell details of de	aign, mate	erial, construction, a	nd workmanship of t	ihis vessel confo	orm to the ASME Code		
		Section (riii, Division 1	"U" Ceri	ificate of Auth	orization No.	<u>10,572</u>	expires <u>June</u>		 •	·		
De	• <u>09/13/99</u>	-	Co. name	·	GE-N	E		Sign	ed CSI	night			
							· ·		(R	epresentative)			
			05.44		CERTIFI			INSPECTION	1				
	sel constructed by		<u>GE-NE</u>		#	Wilmingto	on, Nor	th Carolina .					
and	employed by D_i	enarim	ent of Lab	Of her	y the National	Board and Pres	sure Vess	el Inspectors and/or In this Manufacturers	the State or Province	Morth (Carolina		
stat	that, to the best	of my kno	riedge and bel	ed, the M	anufacturar b	ne component (sa constructed (described this name:	In this Manufacturers	Data Report on	1/13	, 292, and on 1. By signing this		
			an ma anthible	-	ыну жалгалду,	exbisseed of it	mpiled, co	RESIDENCE AND ENGINEERS	a Usesal described to	n Min Blancolook	manda Bada Banana		
certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vassel described in this Manufacturer's 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													
Jate	9/13	199	_Bigned	-	rane)	Glar)	<u>-</u> ∠eomn	nissions NC 1	231, Ohio, W	C 3686 P4			
(06/6	/			(AL	urionzed Inspe	ctor)		(Naire	oard (incl. endorsem	ents), State, Pro	ov. and No.]		
•													

1, 8	lanufactured and c	ertified by						rav (GE-NE			
	•		<u>3901 (</u>	astie i		(Na	me and add	North Carolin (1985) of manufacturer	a 28401.		•
2. 2	lanufactured for	Susc	<u>uehanna</u>	1&2	Berwick	<u>, Pennsyh</u> (N	vania 1	8603 dress of purchaser)			
1, L	ocation of Installat	ion	<u>n</u>	ot knov	vn		(Name a	nd address)			
4. T	ype <u>Vertical</u>		3 M)	346 gr's serial	No.)	_N/A		112D3405 G	001 Rev 03		/A 1999 I. Bd. No.) (Year built)
	he chemical and pl d workmanship so					4000	specificati	1998	N/A		. The deelgn, construction, N/A
t. S	neli:SA35	1 CF8	·		0.7	70°	Corr. Allow	Addenda (Dale) 0.005"	Code Case No 7.028 ^s Diam. I.D. (ft. 8. in.)		ecial Service per UG-120(d) 3 ft. 2.38 Inche ngth (overall) (ft. & in.)
7, B	seme: S	eamles	SS		•			· · N	/A		
L H	Long. (Wei	_	A182-F30			m(%) H.T.T			A 182-F304 (Spec. No. Grade		ential, or Full) No. of Courses
	Location (Top., Bottom, Ends.)	Minimur Thickne		orrosion conse	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical - Radius	Fist Diameter	Side to Pressure (Convex or Concave)
(a)	Тор	2.485	• 0.	005"	-	-	-	-	-	7.220	Flathead
(b)	Bottom	2.485	' O.	005"		-	-	-	-	7.220"	Flathead
	If removable, bolt	s used (de	scribe other t	wtenings)						
9 M	If removable, botts used (describe other fastenings)										
	ozzies, inspection	•							, 		
_	Purpose (inlet, Outlet, Drain)	No.	Drain or Size	1	Гуре	Mati.	1	Nom. Thickness	Fielnforcement Material	How Altached	Location
	Gas Port	1	0.75*	0	pening	SA182-I	304	N/A	N/A	N/A	N/A
	Water Port	1	0.97	<u> </u>	pening	SA182-F	304	N/A	N/A	N/A	N/A
	(Yes imarks: Manufacti Com Altho hydri	or No) urer'e Parti plete m pugh a i ostatica	(Name of pa nechanica Differentia ally tested	N/ N/ ut, Hem na ul asse ul Pres With ti	A umber, Migra. mbly with sure exist he Piston	name and iden no welde s on each removed	itying stam o <u>d joints</u> r side o	d inspectors have be	en furnished for the formal control of the f	cumulator	
	re certify that the et or Pressure Vasael nate <u>09/13/9</u>	e, Section		1. "U" Ca	orrect and tha	t all details of o	lesign, ma			this vessel con	oform to the ASME Code
i,	nd employed by tate that, to the bea entificate neither th urthermore, neither with this inspection	olding a vi Departn at of my know a Inspector or the Inspe	nent of La owledge and I r nor his empi	on issued <u>BOT</u> : ellel, the oyer make	by the Nation have inspected Manufacturer as any warrant hall be liable i	Wilming at Board and P I the component has construct y, expressed o	nton, No ressure Ver nt describe ed this pres or implied, for any pen	d in this Manufacture sure vessel in accor concerning the press sonal injury or prope	or the State or Provincer's Data Report on dance with ASME, Se sure vessel described only damage or a loss of	etion VIII, Divide in this Manufa any kind aris	sion 1. By signing this cturer's Data Report.
L	08/90)	/-/-			Authorized Ins	pector)		Na	1231, Ohio, \	ments], State,	Prov. and No.]

1.	1. Measufactured and certified by General Electric Company Nuclear Energy (GE-NE) 3901 Castle Hayne Road, Wilmington, North Carolina 28401 [Name and address of manufacturer]										
			_39	<u>01 Castle</u>	Hayne R	oad, Wilm	ington,	North Caroli	na 28401		
2.	Manufactured for	_Sus	queha.	nna 1&2	Berwiç	k, Pennsy	Ivania	18603 Iddress of purchaser	r)		
3. (Location of Installa	tion _		not kno	own_			•			
	Type <u>Vertica</u> (Honz or w	rt. tank)		8343 (Migra seria	•	N/A	,	and address) 1 <u>12D3405</u> (Dra	001 Rev 03		I/A 1999 I. Bd. No.) (Year)
3. I	ne cnemicae and p nd workmanahip c	onysica: pi onform to	roperuss o ASME Rui	f all parts med as. Section V	et the requirem	inetts of material 2002	u specifica			E VESSEL COD	E. The design, construct
				,		Year	•	Addenda (Dale)		los. S	N/A pecial Service per UG-120(d
6 , 8		1 CF8 Spec. No.,			Nom. This (i	750-	Corr. Allo	0.005"	7.028 Diam. I.D. (fl. & in.)	<u>.</u> – .	3 ft. 2.38 inc
7. 8	eams: Long. (We	Seamle Idea, Db., S	SS ngl,Lap,B	ज् रा मा.(ड	pot or Full)	क्राक्षा सराज	emp. (F)	Time I had I had I had	I/A	स्री विकास	
7. Seams: Seamless Long. (Welded, DbL, Sngl., Lap, Built) H.T. (Spot or Full) Em.(%) H.T. Temp. (F) Time(hr) Girth (Welded, DbL, Sngl., Lap, Built) R.T. (Spot, Partial, or Full) No. of Cours 8. Heads: (a) Mart. SA 182-F304 (Spec. No. Grade) (Spec. No. Grade)											
	Location (Top, Bottom, Ends)	Minimu Thickn		Corresion Allowance	Crown Radius	Knuckle Radius	E#plical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Тор	2.485	•	0.005*	-	-		-	•	7.220*	Flathead
(b)	Bottom	2.485	<u> </u>	0.005*		-	•		_	7.220*	Flathead
	If removable, bolts used (describe other fastenings) (Mall., Spec. No., Gr., Size, No.) MAWP 2100 pai at max. temp. 150° F. Min. design metal temp. 35° F at 2100 psi. Hydrostatic test pressure 3500 psi.										
	zzies, kospection e				•	_					
	Purpose (Inlet, Outlet, Drain)	No.	Drain or Size	<u> </u>	Гуре	Matt.		Nom, Thickness	Reinforcement Material	How Attached	Location
-	Gas Port	1	0.7		pening	SA 182-F		N/A	N/A	N/A	N/A
L	Water Port	1	0.9	/- U	pening	SA182-F	304	N/A	N/A	N/A	N/A
	Comp Althou hydro	olete m Ugh a L Statica	(Name o echani Differen Ily testi	orts property N/ Peurl, dem nu cal asser tial Press ed with th	Identified and A Imber, Migra r Inbly with a Sure exists te Piston i	eigned by Com name and identifi no welded s on each : emoved .	ying stamp I joints Side of	Inspectors have been the Internal Po	Ound approx. (Where and how) In turnished for the fo	umulator C	
		desig	n, con	struction.	ang test i	<u>requireme</u>	nts of 1	<u>977 edition, w</u>	vinter 1979 add	denda.	
								COMPLIANC			
for	certify that the stat Pressure Vessels,	ementa m Section V	ade in this Ill, Divisio	report are co	rrect and that a tificate of Auth	nii detaila of de orization No. j	elgn, mate 10,572	rial, construction, a expires <u>JUN</u> 6	nd workmanship of t	his vessel confo	rm to the ASME Code
Date	09/13/99	<u>-</u>	Co. 1	name	GE-N (Manufaci	E wer)		\$\dig s	ed <u>USA</u>	prosontative)	
Vess	el constructed by		GE	-NE	CERTIFI			INSPECTION			
I, the	undersigned, hold	ting a vati	d commis	d beuzel aols	y the National	Board and Pres	BUTE VERSE	I Inspectors and/or	the State or Province	of North C	arolina
and e	imployed by <u>UE</u>	parme	ent of L	. <u>aDOF</u> han	re inspected th	e component d	lescribed in	n this Manufacturer's	Data Report on	9/10	, <u>1227,</u> and
certi	ficate neither the ir	nepector n	ons sid to	olover makes	anutacturer ha	* constructed t	his pressu	re Vessel in accorda	nce with ASME, Sect e vessel described in	ion VIII, Divisio	n 1 . By eigning this
Furth	ermore, neither t	e Inspect	or nor his	employer sha	il be liable in a	my manner for	suà betsou	al injury or property	damage of a loss of	i wiis manusacu any kind arising	from or connected
	this inspection .					A -	,,	and the second second second		, w.m.iig	
Date	9/10	199	Signed	Ju	orzec /	سىم <i>كے</i> (ior)	_1eomm	Issions NC 1	231, Ohio, W	C 3686 PA	v. and No. T
	^1			0						,	

FORM N=2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required l	by the	Provisions	of the	ASME	Code	Rales

			sational lo KV	
i.	(a) Manufactured by Henry Vogt. Mach	Name and address	A Hauntectman of base)	
	(b) Manufactured for General Electri	•		
	(b) Manufactured for	Address of Manufactu	rer of completed nuclear com	(punent)
	Identification-Manufacturer's Serial No. of Part PN	11563A	Nar'1 Bd. No	<u> </u>
	(a) Constructed According to Drawing No. E4050			
	(b) Description of Pan Inspected Replaceme	ent gates -	Material Code	WAY (SA4791410)
	(c) Applicable ASME Code: Section III, Edition 19	971, Addenda dace	W'71 Case No.	Class1 /
	Remarks: Replacement parts (Brist Beacriptic	<u> </u>		
	(Brief Beacriptic	on of service for wha	th component was designed)	
		G.E.P.	0.45886	
			3000	
	Order 217328 - 5 pieces			
1	ms to the rules of construction of the ASME Code Sective applicable Design Specification and Stress Reporture is responsible for furnishing a superate. De the component Design Specification and Stress Report to 10/30 19.96 Signed Henry	esiku phecilication esiku phecilication	ann Stiene Rebott Hitue.	bbartentace, is not sucreace
			CO. By JAVANOV	
	1 /6 /00	(Monutecturer)	CO. BI-TAVATOR	N-947
	entificate of Authorization Expires 1/6/99	(Menutecturer)	tificate of Authorization	N-947
-	CERTIFICATION OF DESIGN	V FOR APPERTI	NANCE (when applica	W _ N-347
-	CERTIFICATION OF DESIGN Design information on file M	V FOR APPURTE	NANCE (when applica	W _ N-347
-	CERTIFICATION OF DESIGN	V FOR APPURTE	NANCE (when applica	ble)
	CERTIFICATION OF DESIGN	Cor V FOR VPURTI	NANCE (when applica	ble)
_	CERTIFICATION OF DESIGN Design information on file at Stress analysis report on file at Design specifications certified by	Cor V FOR VPURTI	NANCE (when applica	ble! Reg. No.
	CERTIFICATION OF DENIGN Design information on file at Stress analysis report on file at Design specifications certified by Stress analysis report certified by	Cor V FOR VPURTI	Prof. Eng. State	ble! Reg. No.
	CERTIFICATION OF DENICAL Design information on file at Design specifications certified by Stress analysis report certified by CERTIFICATION OF DENICAL CERTIFICATION OF D	TE OF SHOP INS	Prof. Eng. State	Reg. No.
	CERTIFICATION OF DENICAL Design information on file at Design specifications certified by CERTIFICATION OF DENICAL Stress analysis report on file at CERTIFICATION OF DENICAL CERTIFICATION OF DENICAL Line undersigned, holding a valid commission issues.	TE OF SHOP INS	Prof. Eng. State Prof. Eng. State Prof. Eng. State	Reg. No
	CERTIFICATION OF DESIGN Design information on file at Stress analysis report on file at Design specifications certified by CERTIFICATION CERTIFICATION CERTIFICATION 1, the undersigned, holding a valid commission is and/or the State or Province of Kentucky	TE OF SHOP INS	Prof. Eng. State Prof. Eng. State Prof. Eng. State Prof. Eng. State Order and Pref. Commercial U	Reg. No. Reg. No. Reg. No. Rasure Vessel Inspectors nion Ins. Co
	CERTIFICATION OF DENICAL CERTIFICATION OF DENICAL CERTIFICATION OF DENICAL CERTIFICATION OF DENICAL CERTIFICAL CERTIFICAL CERTIFICAL I, the undersigned, holding a valid commission is a and/or the State or Province of Kentucky of Boston MA Manufacturer's Partial Data Report on October and belief, the Manufacturer has constructed this part By signing this certificate, seither the Inspector of the our described in this Manufacturer's Partial of the our described in this Manufa	TE OF SHOP INS and employed by have inspected 14	Prof. Eng. State Prof. Eng. State Prof. Eng. State Prof. Eng. Scate Prof. Eng. Scate Decommercial U the part of a pressure v Mand state that to do the ASME Code Sections survey express the the Interprese resident with Interpretation of the Interpretati	Reg. No. Reg. No.
	CERTIFICATION OF DENIGN Design information on file at Stress analysis report on file at Design specifications certified by Stress analysis report certified by CERTIFICA 1, the undersigned, holding a valid commission is a and/or the State or Province of Kentucky of Boston MA Manufacturer's Partial Data Report on October and helief, the Manufacturer has constructed this part	TE OF SHOP INS and employed by have inspected 14	Prof. Eng. State Prof. Eng. State Prof. Eng. State Prof. Eng. Scate Prof. Eng. Scate Decommercial U the part of a pressure v Mand state that to do the ASME Code Sections survey express the the Interprese resident with Interpretation of the Interpretati	Reg. No. Reg. No.
	CERTIFICATION OF DENICAL CERTIFICATION OF DENICAL Design information on file at Stress analysis report on file at Design specifications certified by CERTIFICA 1, the undersigned, holding a valid commission is and/or the State or Province of Kentucky of Boston MA Manufacturer's Parcial Data Report on October and belief, the Manufacturer has constructed this part By signing this certificate, deither the Inspector of ing the purt described in this Manufacturer's Partial ball be liable in any manner for any personal injure.	TE OF SHOP INS and employed by have inspected 14	Prof. Eng. State Prof. Eng. State Prof. Eng. State Prof. Eng. Scate Prof. Eng. Scate Decommercial U the part of a pressure v Mand state that to do the ASME Code Sections survey express the the Interprese resident with Interpretation of the Interpretati	Reg. No. Reg. No.
	CERTIFICATION OF DENICAL CERTIFICATION OF DENICAL Design information on file at Stress analysis report on file at Design specifications certified by CERTIFICA 1, the undersigned, holding a valid commission is and/or the State or Province of Kentucky of Boston MA Manufacturer's Parcial Data Report on October and belief, the Manufacturer has constructed this part By signing this certificate, deither the Inspector of ing the purt described in this Manufacturer's Partial ball be liable in any manner for any personal injure.	TE OF SHOP INS and employed by have inspected 14	Prof. Eng. State Prof. Eng. State Prof. Eng. State Prof. Eng. Scate Prof. Eng. Scate Decommercial U the part of a pressure v Mand state that to do the ASME Code Sections survey express the the Interprese resident with Interpretation of the Interpretati	Reg. No. Reg. No.

Expires On: \??

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

Manufactured and cartified by General Electric Company Nuclear Energy (GE-NE)											
t. M	enufactured and co	ertified by	3901 Cas	<u>stle Hayne R</u>	oad Wilmir	naton N	Vorth Carolina Iss of manufacturer)	28401			
2. M	anufactured for	Susqu	<u>iehanna 18</u>	2 Berwic	k, Pennsylv	rania 18	603 ress of purchaser)				
3. La	eation of Installati	on	not i	known	•	(Name and	address)	<u> </u>			
4. T)		7	813 (Migra	1 serial No.]	N/A (CHN)	<u> </u>	1 <u>12D3405 GC</u>	001 Rev 03 nng No.)	•	A 1999 Bd. No.) (Year built)	
5. TI	e chemical and pi	ysical prop	erties of all parts	s meet the require	ments of material	specification	na of the ASME BO	ILER AND PRESSURE		. The design, construction,	
an	d workmanship co	ntorm to AS	ME Rules, Secti	ion VIII, Division :	1998_ Year	to _	1998 Addenda (Dale)	Code Case Nos	Sp4	3 ft. 2.38 inche	
6. SI	ell: SA35	1 CF8	rade)	Nom. Thk.).750"	Corr. Allow.	0.005"	7.028* Diam. I.O. (fl. & in.)	Ler	igih (overall) (ft. & in.)	
7. 84			•	T (Saa action)	इसरका सराव	emp. (E) T	Methr Gidh (We	A Ided,Dbl.,Sngl.,Cap,Bull	TET. (Spot,P	ertial, or Full) No. of Courses	
e 44	7. Searnes: Seamless Long. [Welded,Dbl.,Sngl.,Lap,Butt] R.T. (Spot or Full) Eff.(%) H.T. Temp. (F) Time(hr) Girth (Welded,Dbl.,Sngl.,Lap,Butt) R.T. (Spot,Parilal, or Full) No. of Courses 8. Heads: (a) Mett. SA 182-F304 (Spec. No. Grade) (Spec. No. Grade)										
	(Spec. No. Grade) (Spec. No. Grade) Hamispherical Flat Side to Pressure										
	Location (Top, Bottom, Ends)	Minimum Thicknes	Corre		Knuckie Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Diameter	(Convex or Concave)	
(a)	Тор	2.485	0.00	05"	-	-	-		7.220	Flathead	
	Bottom	2.485"	0.00	05" -			-	•	7.220"	Flathead	
<u>(P)</u>											
	If removable, bot	m naeg (ga					all., Spec. No., Gr., S	ize, No.) lydrostatic test pressu	rs 3500) pal.	
9, M		•		F, Min. der	ilgn metal temp.		F 88 <u>2 100</u> par. 1	tydiasiaus wat pro-			
19. Nozzies, inspection and safety valve openings: Nozzies, inspection and safety valve openings: Nozzies, inspection and safety v											
	Purpose (Inlet, Outlet, Drain)	No.	Drain or Size	Туре			Thickness	Material	Attached N/A	N/A	
	Gas Port	1	0.75*	Opening		SA182-F304 SA182-F304		N/A N/A	N/A	N/A	
	Water Port	1	0.97*	Opening			N/A				
		TO NO. 1	uge (No.)	Legs (No.)	omer Band	Clamps		round approx. (Where and how			
12. A	emarks : Manufac	turer's Parti	al Data reports p	roperty identified	and signed by Co	mmissione	d inspectors have b	een turnished for the t	ollowing items	of the report :	
				N/A , item number, Mr				-			
	Con	nnlete n	nechanical	assembly w	ith no weld	ed joints	3				
	Alth	ough a	Differential	Pressure ex	<u>kists on eac</u>	<u>h side o</u>	f the Internal	Piston, the Ac	<u>cumulator</u>	Cylinder is	
	hund	rootatio	ally taetad i	with the Pist	on removed	1.					
	<u>Mee</u>	ets desid	gn, constru	iction, and t	<u>est requiren</u>	nents ot	1977 edition,	winter 1979 ac	Juenou.		
Γ				CER	TIFICATE (OF SHO	P COMPLIA	NCE			
	We certify that the	etatemente :	made in this rep	ort are correct an	that all details of	f design, m	sterial, construction	n, and workmanship (of this vessel oc	inform to the ASME Code	
	for Pressure Vess	els, Section	VIII, Division 1	. "U" Certificate (d Authorization N	o. <u>10,572</u>	? expires <u>र्</u> री	ine 10, 2002	Kant V		
-	Date <u>09/13/</u>	99	Co. nam	•	E-NE			Signed	(Hepresentative	7	
L								OU.			
ı			05 N				P INSPECTI orth Carolina				
	Vessel constructed	i by	GE-N	a feered by the N	at <u>YVIIIIII</u>	Pressure V	essal inspectors an	d/or the State or Provi	nce of <u>Nort</u>	h Carolina	
		Donart	ment of I al	ከበር have inso	ected the compon	rent describ	ed in this Manufact	Risks nars Habouron			
		at my fr	nowledge and be	ellef, the Manufac	turer has constru	cted this pro	esure vessel in acc	ordance with ASME,	Section Vill, Di	vision 1 . By signing this	
	otel o- malebas	the Inspect	or nor his empio	war makas any wa	ITANTY, expressed	d or implied,	, concerning the pr	Satille Asses mesculo	10 (1) (115 mend		
	Furthermore, seil	her the insp	ector nor his en	nployer shall be ii	able in any manno	er for any pe	rsonal injury of pro	perty damage or a los	s or any sind ar	ising from or connected	
	with this inspection			4	02			io anna Ohi-	MC 2505	. ΦΔ	
	Date	3/99	3_Signed	(Authoriz	ed inspector)	2012-C	mmissions 1	IC 1231, Ohio, Nail Board (Incl. endo	sements), State	, Prov. and No.]	

(06/90)

1, Man	ufactured and ce	nuffied by	General E	lectric Comp tle Hayne Ros	any Nucle	ear Energ	y (GE-NE	28401				
	•	•			(1440)	14 W 10 00010						
2. Man	utactured for	Susqu	ehanna 1&	<u> 2 Berwick</u>	, Pennsylv (Na	me and addr	ess of purchaser)					
3. Loca	rtion of installatio	a	not k	nown	·	(Name and	address)			4000		
4 Ton	Vertical		834 (Migra		N/A (CRN)		1 <u>12D3405 G0</u>	ing No. 1		A 1999 (Year built)		
5. The	chemical and ph	ysical prope	rties of all parts	mest the requireme	ents of material	apacification	1998	ILER AND PRESSURE V	Æ82FF CODE .	The design, construction,		
and	workmanship cor	form to ASI	ME Rules, Section	on VIII, Division 1 _		₩ -	Addenda (Dale)	Code Case Nos		cial Service per UG-120(4) 3 ft 2 38 inches		
6. She	II: SA351	CF8	nde I	0.7 Nom. This. (in	<u>750°</u> .	Corr, Allow.	0.005"	7,028" Diam. 1.D. (ff. & in.)	Len	igth (overall) (fl. & in.)		
7. Sea	ma: S	eamless	<u> </u>			mo (F) Ti	M methr: Girth (We	A idea, Dol., Sngl., Lap, Built	H.T.(Spot,Pt	artial, or Full) No. of Courses		
	Long. [Welded, Dol., Single, Lap, Bolt] A. I. (Sport of the SA 182-F304 SA 182											
(Spec. No. Grade)												
ſ	Location (Top, Minimum Corrosion Radius Radius Ratio Apex Angle Radius Diarneter (Convex or Concave)											
	Top	2.485	0.00		-		-		7.220"	Flathead		
1		2.485*	0.00	5" -		-		-	7.220*	Flathead		
لنت	Bottom											
1	fremovable, bolt	e used (des	ocribe other fast	enings)			all., Spec. No., Gr., S		3500) pei.		
	WP <u>2100</u>	pei at max.		O° F. Min. desig	jn metal temp.	<u>35°</u> 1	Fat 2700 pal.	Hydrostatic test pressu				
19. Nozzles, inspection and safety valve openings:												
[Purpose (Inlet,	No.	Drain · or Size	Туре	Mati.		Nom. Thickness	Reinforcement Material	Attached			
	Gas Port	1	0.75	Opening	SA182-	F304	N/A	N/A	N/A	N/A N/A		
	Water Port	1	0.97"	Opening	SA182-	F304	N/A	N/A	N/A	N/A		
11. Su	marks : Manufac	s of No) tures's Parti	(Name of part	roperty Identified a N/A , item number, Migr	nd signed by C	intifying stam	d Inspectors have (around approx. (Where and how) following items			
	Alth	ough a	Differential	<u>i Pressure exi</u>	<u>sts on eac</u>	<u>ch side c</u>	f th <u>e Internal</u>	Piston, the Ac	CUMUIBIOI	Cyllider is		
	_	4		with the Diete	n romavo	4						
	<u>_Me</u>	<u>ets desi</u>	gn, constru	uction, and te	st require	nents of	1911 Edition	1, 1711/1CF 70-0-E				
	Meets design, construction, and test requirements of 1977 edition, winter 1979 addenda. CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10,572 expires June 10, 2002 Date 09/13/99 Co. name GE-NE Signed Whomever Indian Company (Manufacturer)											
 				CER'	TIFICATE	OF SHO	P INSPECT	ION				
	/assel constructs	d by	GE-N	VE	_a <u>Wilmi</u>	ngton, N	lorth Carolina	<u>a_</u> .	Nor	th Carolina		
- 1.		t halding a	valid commission	on issued by the Na	tional Board an	d Pressure V	resel inspectors at	nd/or the State or Prov	1100 or 1401	3 1229, and		
				2222	are and the common	12 PH 1 1 PEC 1	보다 ID 내내 등리(당)주	PRICE O DESCRIPTION		ivision t . By signing this		
						ed or implied	i, concerning the P	NSESCIA ABSSAI GRAALIA				
state that, to the best of my knowledge and belief, the maintender in a supressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's 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.												
W M Is Inspected St.												
	Date 9/	3/9	Signed	Je Authorize	d Inspector		ommissions	NC 1231, Ohio [Nal1 Board (incl. endo	WC 3686	5 PA le, Prov. and No.]		
L	(08/90)	<u></u>		<u> </u>								

1. Mar	subjectured and set	rished by	General I 3901 Cas	tle H	ауле Roa	d, Wilmin	ngton, N	orth Carolina orth Carolina	28401			
2. Ma	nariactured for	Susqu	ehanna 18		Berwick.	Pennsylvi	ania 186	ise of purchaser)				
a. Loc	ation of inetailatio	·	not	know	<u>n</u>		(Name and	actoress)				
4. Tys	District of the last	Tank T	811 (Mear)	sorial N	K	-N/A		12D3405 GO		•	4 1998 (Year built)	
	obemical and ph	yelesi propi	erties of all part	most t	he requiremen	is of material	apecification	se of the ASME BOIL	ER AND PRESSURE V	ERSEL CODE .	The design, construction, N/A	
and	workmanship sor	ISA of motor	ME Rules, Seci	ion VIII,		1998 Veel	 *	1998 Addenda (Dele)	— N/A Code Case Nos 7.020°		cial Service per UG-120(d)	
s. Sh	SA351	CF8	ade)	_	0.75	5 <u>0-</u>	CONT. AUGUS.	0.005°	7.028°	Len	3 ft. 2.38 inches gh (over#) (ft. & ht.)	
7. 80	Long (Well	eamles	S PL,Lap,Bull) 7	LT. (Bpc	ज्ञानिका) हा	(S) FULTO	imp. (F) TI	ma(IN) GART (WA	A	7.1.(8pot.Pe	vital, or Full) No. of Courses	
Long (Wedseq, Ltd., ang., Ltd., Ltd												
ļ	Location (Top, Minimum Corrosion Crown Redius Ratio Apex Angle Redius Field Side to Pressure (Convex or Concase)											
	Bottom, Ends)	Thicknes	Allo		Flacitus	Hadius	1	7		7,220*	Flathead	
(a)	Тор	2.485*			· ·	-		-	_	_	Flathead	
(b)	1 DoHom 2 /26" (11/25" + 1 " " " " 1											
	lf removable, bol	to used (de	acribe other fac	toninge	· —			ell., Spec. No., Gr., 8		250		
	2100	-		<u>0° </u> *.	Min. deelgr	notal temp.	<u>35°</u> 1	rat <u>2100</u> pel. H	lydroetalia loot pressu	·· <u>3500</u>	<u>/</u> pal.	
18. Nozzies, inspection and safety valve openings: Type Mest Nore. Reinforcement How Location												
	Purpose (Inlet, Outlet, Drain)	No.	Orain or Stre		Туре		5004	Thickness	N/A	N/A	N/A	
	Gas Port Water Port	1 1	0.75	4	pening pening	SA182- SA182-		N/A N/A	N/A	N/A	N/A	
		No L		ـــــــــــــــــــــــــــــــــــــ	, <u>; </u>	Band	i Clamps	Attached 8	round approx.	middle		
11. 1		S AV NAT	(No.)		TNO. 3	(D	eecnbe)		(Where and how een turnished for the	,	of the report:	
12. F	lemarks : Manufac	turer's Part		M	/A							
			b-=!os		ombki witt	h na wald	led inints					
	_Col	<u>mpiete r</u> nouah a	<u>necnanica</u> Differentia	l Pre	ssure exis	sts on eac	h side o	f the Internal	Piston, the Ac	cumulator	Cylinder is	
	Ju an	iroetatic	elly tested	with	the Pistor	n removed	J.					
	_ <u>Me</u>	ets desi	an, consti	uctio					winter 1979 a	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Γ					CERT	IFICATE	OF SHO	P COMPLIA	NCE		odores to the ASMF Code	
	We earthy that the	statements	made in this r	port are	person and the	est all details o Authorization i	of deelgm, m as. 10.572	aterial, construction 2 expires <u>J</u> a	ine 10. 1999	, ,	inform to the ASME Code	
1	Or AND	400 400	8 411, December		GF	-NE			eigned USB	eggett		
	<u>01/22/</u>	<u> </u>	ÇA. BI		(Man	utacturer)				/ Contractor Contractor		
ľ					CERT	IFICATE	OF SHC	P INSPECTI	ON			
	Veneel constructs	id by	GE-	VE_		<u> Wilmi</u>	ngton. N	orth Carolina	 d/or the State or Prov	lace at Nort	th Carolina	
		Dones	iment of i	ahor	فمعمط مسط	the compo	ment describ	ed in this Manufact	urer's Deta Report on		Ce, 11720,	
		hard of my l	handadas sad	hallet, 1	he Manufactu	rer has constr	ueted this pr	on al lessey eruses	ordance with ASME,	Section VIII, DI ed in thin Mean	vision 5 . By eigning this executor's Data Report .	
	cordinate politic	r the Inspec	tor nor his earl	ioyer so	akes any Warri orahadi ka Kab	enty, expresse le le any mani	ig or implied nor for any D	, concerning the pr proposal injury or pro	porty demage or a fee	e of any kind a	dacturer's Data Report.	
	with this inspect		Acres an use									
	•		4 Signed		non	کمی کو جع	mone	ommissions N	IC 1231, Ohio Nati Board (Incl. ando	WC 3686	PA Prov. and No. 1	
				V	(Authorized	anapector)	· ·	L		, , , , , , , , , , , , , , , , , , ,		

1. Owner	PPL Susquehanna, LLC					06/11/2001	
Two No	Sheet	<u>1</u> of	3				
2. Plant Susquehanna Steam Electric Station				Unit		TWO	
PO Box 467	/ / 707 Salem Blvd,	-	18603			FACHED LIST	
3. Work Performed by PPL Susquehanna, LLC Name				Type Code Syn	_	None	
Two No	orth Ninth St., Allen		1	Authorization N	o	N/A	-
				Expiration Date		N/A	
4. Indentification of Sy	/stem	CONTAINM	IENT PRESS	URE VESSEL,	259A, C	LASS MC.	
	struction Code AS ion of Section XI Utilize mponents Repaired or F	d for Repairs or Re		92	Addenda,		code 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) CONTAINMENT HEAD (GASKET	CB&I	N/A	N/A	X-003	1999	REPLACED	NO
2) CONTAINMENT HEAD (GASKET	PP&L	N/A	N/A	X-003	2001	REPLACEMENT	NO
3) SUPP. POOL B HATCH (GASKET)	CB&I	N/A	N/A	X-200B	1999	REPLACED	NO
4) SUPP. POOL B HATCH (GASKET)	PP&L	N/A	N/A	X-200B	2001	REPLACEMENT	NO
5) SUPP. POOL A HATCH (GASKET)	CB&I	N/A	N/A	X-200A	1999	REPLACED	NO
6) SUPP. POOL A HATCH (GASKET)	PP&L	N/A	N/A	X-200A	2001	REPLACEMENT	NO
7) EQUIPMENT HATCH (GASKET)	CB&I	N/A	N/A	X-001	1999	REPLACED	NO
7. Description of Work			SEE AT	TACHED LIST.			
8. Tests Conducted:	Hydrostatic Other Pres	Pneumatic	Nominal	Operating Pressur	re 🗌 °F	(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.

FORM NIS-2 (Back)

ALL PENETRATIONS AND HATCHES ORIGINAL DESIGN PER ASME III NE 19/1 WITH Annilicable Manufacturer's Data Reports to be attached
SUMMER '72 ADD. CODE CASES 1493,1522,1563,1567,1571.
REPLACEMENT GASKETS ARE NON-CODE.
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code, Section XI. REPLACEMENT repair or replacement conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date Inn ZZ , 20-0 / Owner's Designee, Title Supv Site Modifications Group
to find a similar group, into the meaning cross
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
in this Owner's Report during the period 3AV 22 2000 to APRIC 9 2000, 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.
Inspector's Signature Commissions NB 7525 IBNA PA 2/37 National Board, State, Province, and Endorsements
Date J JNE 22 20 0 /

1. Owner PPL Susquehanna, LLC			Date	0	6/11/2001			
Two North Ninth St., Allentown, PA 18101				Sheet2	2 of	3		
			Unit		TWO			
PO Box 467, Berwick, PA 18603			Rep		TACHED LIST n P.O. No., Job No., etc.			
3. Work Performed	i by PPL Su	squehanna, LLO	<u> </u>	Type Code Sym	ibol	None		
Two	North Ninth St., Aller		1	Authorization No	o	N/A		
	Audiess			Expiration Date		N/A		
4. Indentification	of System	CONTAINN	MENT PRESS	URE VESSEL,	259A, C	LASS MC		
(b) Applicable	Construction Code AS Edition of Section XI Utilize Components Repaired or	ed for Repairs or Re		92			ode Case	
Name of Componen	Name of t Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)	
8) EQUIPMENT HATCH (GASKET)	PP&L	N/A	N/A	X-001	2001	REPLACEMENT	NO	
9) CRD HATCH (GASKET)	CB&I	N/A	N/A	X-006	1999	REPLACED	NO	
10) CRD HATCH (GASKET)	PP&L	N/A	N/A	X-006	2001	REPLACEMENT	NO	

255A-MC

temp: ambient / press 45 psig

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

1. Owner	PPL Su	squehanna, LLC	Date _		06/11/20	01		
				_		•		
Two North Ninth St., Allentown, PA 18101			Sheet	3	of	3		
2. Plant	Susquehanna \$	Steam Electric Station	Unit _		TWO			
		Name						
PO Bo		Blvd, Berwick, PA 18603	SEE	SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.				
	Address	5		Repair Organ	ization P.O. No.,	JOD 140., EII	٠.	
3. Work Perform	ned by PPI	Susquehanna, LLC	Type C	ode Symbol		Nor	ne	
T		Allentown, PA 18101	Authori	zation No.		N/A		
	Address	5	Expirati	on Date		N/A		
					01.400.4	40		
4. Indentification	on of System	CONTAINMENT PRE	SSURE VE	SSEL, 259A,	CLASS I	VIC.		
5. (a) Applicat (b) Applicat	ole Construction Code ole Edition of Section XI	ASME Sec III 19 71 Edi Utilized for Repairs or Replacements	tion, Thru 19 <u>92</u>		nda, SEE	SEC 9	Code Case	
6. Identification	of Components Repaire	ed or Replaced and Replacement Cor	nponents					
ITEM(S)	WORK AUTHORIZATION	DESCRIPTION OF WOR	rK	DES	CRIPTION (OF TEST	S	
1-2	219921	X003, REMOVE AND REINSTALL CONTAINMENT HEAD USING NE GASKET.	w	LL	R ASME XI, 9 .RT PER SE- : ambient / p	259-004		
3-4	230171	X200B, REMOVE AND REINSTALL SUPPRESSION POOL "B" HATCH USING NEW GASKET. VT-3 PER ASME XI, 92 LLRT PER SE-2 temp: ambient / pro				259-016		
5-6	230169				VT-3 PER ASME XI, 92 ED. '92 ADD. LLRT PER SE-259-015 temp: ambient / press 45 psig			
7-8	230675	X001, REMOVE AND REINSTALL EQUIPMENT HATCH USING NEW	GASKET.	LL	R ASME XI, 9 .RT PER SE- : ambient / p	259-001		
9-10	230167	X006, REMOVE AND REINSTALL HATCH USING NEW GASKET.	CRD		R ASME XI, 9 .RT PER SE-			

1. Owner	PPL Susquehanna, LLC			Date	0	06/26/2001			
Two Nort	th Ninth St., Allen		11	Sheet	of	3			
2. Plant Susquehanna Steam Electric Station				UnitTWO					
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603					ACHED LIST Repair Organizatio	on P.O. No., Job No., etc.	· · · · · · · · · · · · · · · · · · ·		
3. Work Performed by	PPL Sus	squehanna, LL	С	Type Code S	Symbol	None			
Two North Ninth St., Allentown, PA 18101 Authorization No. N/Address						N/A			
				Expiration Da	ate	N/A	·		
4. Indentification of System	em	REACTOR	WATER CLE	AN-UP SYS	TEM 261A,	CLASS III			
5. (a) Applicable Constr (b) Applicable Edition				· ————————————————————————————————————	Addenda,	N/A * Co	ode Case I 9)		
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents					
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
1) VALVE (BALL)	BNL	A960201-1-4 (valve)	N/A	245029B	1996	REPLACED	YES		
2) VALVE (BALL)	BNL	A961204-1-1 (donor valve)	N/A	245029B	1997	REPLACEMENT	YES		
3) VALVE (BODY)	BNL	A960201-1-4 (valve)	N/A	245029B	1996	REPLACED	YES		
4) VALVE (BODY)	BNL	A961204-1-1 (donor valve)	N/A	245029B	1997	REPLACEMENT	YES		
5) VALVE (BODY BOLTING)	BNL	A960201-1-4 (valve)	N/A	245029B	1996	REPLACED	YES		
6) VALVE (BODY BOLTING)	BNL	A961204-1-1 (donor valve)	N/A	245F029B	1997	REPLACEMENT	YES		
7) VALVE (PLUG)	VALTEK	6537-1-1 (valve)	N/A	245060B	N/A	REPLACED	YES		
7. Description of Work			SEE ATTA	ACHED LISTI	NG				
	lydrostatic Press	Pneumatic	Nominal psi Tes	Operating Pres	sure X	SEE ATTACHED L	IST.		
	tal sheets in form of ugh 6 on this report of this form.								

FORM NIS-2 (Back)

	In CODE OF CONSTRUCTION, Values Original & parts,
1968 Draft Pump & Valve Code. Hills McCanr	na 1968 Draft Pump& Valve Code.
BNL Industries, Items 1- 6, 1974 Edition No A	ddenda, Items 10 & 12 1968 Draft Pump & Valve Code.
Item # 7, Incorrectly reported as Hills McCann	na during original N-5 Submittal, Corrected this submittal.
CERTIFICA	ATION OF COMPLIANCE
We certify that the statements made in the report are ASME Code, Section XI.	e 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
Signed Owner of Owner's Designee, Title Supv Site Modifica	Date 6/26/01 , 20 0/
<i>y</i>	
CERTIFICATION	OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by th	ne National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNSYLVANIA and employed JOHNSTON, RHODE ISLAND	by FACTORY MUTUAL INSURANCE CO. of have inspected the components described
in this Owner's Report during the period Nov. 17	1999 to Jan 20 2000, and state that
to the best of my knowledge and belief, the Owner has performents Report in accordance with the requirements of the	formed examinations and taken corrective measures described in this ASME Code. Section XI.
By signing this certificate neither the Inspector nor his er	mployer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Ow shall be liable in any manner for any personal injury or prop	vner's Report. Furthermore, neither the Inspector nor his employer perty damage or a loss of any kind arising from or connected with this
inspection.	
da doulling	Commissions NB 7525 IBNA PA 2/59 National Board, State, Province, and Endorsements
Inspector's Signature	National Board, State, Province, and Endorsements
Date JUNE 24 20 01	

REPLACEMENT

NO

2000

FV-24566B

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 D			Date	0	6/26/2001	
Two North Ninth St., Allentown, PA 18101					2 of	3	
2. Plant Su	squehanna Stea	Unit		TWO			
PO Box 467 /	Nam 707 Salem Blvd,	-		SEE ATTAC			
3. Work Performed by	Address PPL Su	squehanna II (Add	Type Code Syn	•	on P.O. No., Job No., etc. None	
•							
Two Nort	h Ninth St., Aller	itown, PA 1810	1	Authorization N	o	N/A	
				Expiration Date		N/A	
4. Indentification of Syst	em	REACTOR	WATER CLE	AN-UP SYSTE	M 261A,	CLASS III	•
5. (a) Applicable Constr (b) Applicable Edition	of Section XI Utilize	ed for Repairs or Re		89	Addenda,	N/A * Co	ode Case 9)
6. Identification of Comp	onents Repaired or	Replaced and Repl	acement Compo	ments			
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 (PLUG)	VALTEK	Ht # MRQ	N/A	245060B	1992	REPLACEMENT	NO
9) VALVE	HILLS McCANNA	99-773	N/A	245042A	N/A	REPLACED	NO
10) VALVE	BNL	B970804-4-22	N/A	245042A	N/A	REPLACEMENT	NO
11) VALVE	HILLS McCANNA	105-773	N/A	245043A	N/A	REPLACED	NO
12) VALVE	BNL	B970804-4-20	N/A	245043A	N/A	REPLACEMENT	NO
13) SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SPEBC203-12	1983	REPLACED	YES
14) SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPEBC203-12	2001	REPLACEMENT	NO
15) VALVE (BONNET PLUG)	VALTEK	6607-5-1 (valve)	N/A	FV-24566B	N/A	REPLACED	NO

N/A

N/A

PPL

16) VALVE

(BONNET PLUG)

261A-III

1. Owner	PPL Susquehanna, LLC			Date _		06	6/26/2001	
T\	wo North Ninth St.	, Allentown, PA 18101	Add	Sheet	3	_ of		3
2. Plant	Susquehanna	a Steam Electric Station		Unit _			TWO	
РО Во	x 467 / 707 Salem	Blvd, Berwick, PA 18603	Addre		TTACHED L Repair Orga	IST anization	P.O. No., Job N	o., etc.
3. Work Perform	ned by P	PL Susquehanna, LLC		Type Co	de Symbol	,		Vone
T\		, Allentown, PA 18101		Authoriz	ation No		N/A	4
	Addr	ess		Expiration	n Date		N/A	
4. Indentificatio	n of System	REACTOR WAT	ER CLEA	N-UP S	YSTEM 26	31A, (CLASS III	
		ASME Sec III * 19 71 (I Utilized for Repairs or Replacer			V'72 Add	enda,	N/A * (* SEE SE	Code Case CTION 9)
6. Identification	of Components Repa	ired or Replaced and Replaceme	nt Compone	ents				
ITEM(S)	WORK ORDER	DESCRIPTION OF	WORK		D	ESCRI	IPTION OF T	ESTS
1-6	208604	245029A, REPLACED VALVE BALL, BODY & NON VT-2 PER MI-PS-008 BOLTING, TAKEN FROM DONOR VALVE.						
7-8	222548	245060B, REPLACED VALVE PLUG NON VT-2 PER MI-PS-008				S-008		
9-14	223362	245042A, 245043A & SPEBC2 VALVES AND ASSOCIATED VALVES BY WEL	PIPE BET		N	ON VT	-2 PER MI-P	S-008
15-16	223342	FV-24566B, REPLACED VAL\ OFF PLUG.		LEAK	N	ON VT	-2 PER MI-P	S-008

Pg. 1 of .

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

			•		No.
1. Manufactured and			30 INDUSTRIAL PAR		-
I	ENNSYLVANIA POW	ER & LICHT CO. T	eddress of N Certificate Holder) WO NORTH NINTH ST,	ALTENTOWN DE 10	21.01
2. Manufactured for	M-11			· · · · · · · · · · · · · · · · · · ·	-
3. Location of installa	SUSQUEHANNA	, 5 MI NE OF BER	wick, PA, 18603		_
4. Model No., Series	* *	HBV-A2- Drawing	-04-0062 B	CRN	_
5. ASME Code, Secti	on III, Division 1:	(edition) (edition)	3 /		_
6. Pump or valve	VAINE	nal inlet size 1/2"	la date) (plass) Outlet size1/2	(Cods Case no.)	
7. Material: Body	SA-105 / Bonn	sA-105 / (in.)	SA-479 Tv316 /	(in.) SA-193 GrB7/:	/ SA-194 Gr2H -
(m)	(b)	(a)	. (d)	 (e)	
Cert.	Nat'l	Body	Bonnet	Disk	
Holder's	Board	Serial	Serial	Serial	
Serial No.	No.	No.	No.	No.	
961204-1-1/		K23-1	K23-2	K72	•
		•			•
					•
• • • • • • • • • • • • • • • • • • • •					•
	-				,
		•			*
·					
		**	****		
					
					
					

(12/88)

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

^{*}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.

FORM NPV-1 (Back — Pg. 2 of ______]

	G-alfinan Malda	A961204 	4-1-1
	Certificate Holos	-	
	*F or valve pressu	ANSI 600	**
8. Design conditionspsi			
1405P51G @ 150F			
9. Cold working pressure psi st 100°F			
2225	1630		nei
10. Hydrostatic test psi. Disk differential test pr	[88U] C		
11. Remarke:			
11. Hemarke:			
CERTIFICATION OF	DESIGN		
	PA	19551	
J.G. SHELLENBERGER Design Specification certified by		Reg. no	
Design Report certified by	P.E. State		
Design Report Certified by			
•		• .	
CENTERCATE OF COL	APLIANCE		
CERTIFICATE OF COI	APLIANCE		
		ms to the rules for constr	uction
We certify that the statements made in this report ere correct and tha			uction
We certify that the statements made in this report are correct and the of the ASME Code, Section III, Division 1. $_{N=2882}$	this pump or valve confor	11/10/98	uction
We certify that the statements made in this report are correct and the of the ASME Code, Section III, Division 1. N=2882 N Certificate of Authorization No		11/10/98	uction
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	this pump or valve confor	11/10/98 /mago-	uction
We certify that the statements made in this report are correct and the of the ASME Code, Section III, Division 1. N= 2882 N Certificate of Authorization No.	this pump or valve confor	11/10/98	uction
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No. BNL INDUSTRIES, INC. Date $\frac{04/11/97}{Name}$ Name	this pump or valve confor	11/10/98 /mago-	uction
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No. BNL INDUSTRIES, INC. Date $\frac{04/11/97}{Name}$ Name	this pump or valve confor	11/10/98 /mago-	uction
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No. BNL INDUSTRIES, INC. Date $\frac{04/11/97}{Name}$ Name	this pump or valve confor	11/10/98 /mago-	uction
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No. BNL INDUSTRIES, INC. Date $\frac{04/11/97}{Name}$ Name	s this pump or valve conform	11/10/98 /mago-	uction
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed (support value)	11/10/98 May- horized representative)	
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed (support value)	11/10/98 May- horized representative)	
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No. N-2882 Date 04/11/97 Name BNL INDUSTRIES, INC. (IN Certificate Holder) CERTIFICATE OF INSERT OF	Signed (support value)	11/10/98 May- horized representative)	
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No. N-2882 Date 04/11/97 BNL INDUSTRIES, INC. (N Certificate Holder) CERTIFICATE OF INS. I, the undersigned, holding a valid commission issued by the National Connecticut	Signed (support value)	11/10/98 // May- horized representative) tressure Vessel inspecto (RCIAL UNION INS	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed Expires Signed (support of Boller and Prince of Boller and Boller	11/10/98 May- horized representative) ressure Vessel inspector RCIAL UNION INS	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed Expires Signed Expires League PECTION nat Board of Boller and Pand employed by COMME and employed by the control of the pump, or valve, dry knowledge and belief, the control of the pump.	11/10/98 May- horized representative) ressure Vessel inspector RCIAL UNION INS	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed Expires Signed Expires League PECTION nat Board of Boller and Pand employed by COMME and employed by the control of the pump, or valve, dry knowledge and belief, the control of the pump.	11/10/98 May- horized representative) ressure Vessel inspector RCIAL UNION INS	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed Expires Signed Expires FECTION The Board of Boller and P. COMME COMM	11/10/98 INCLUDE TO SERVICE VESSULE VESSULE VESSULE VESSULE INSPECTOR INSPE	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Signed Expires Signed COMME and employed by COMME to the pump, or valve, d y knowledge and belief, to the pump. Signed COMME to the pump or valve, d y knowledge and belief, to the pump.	11/10/98 In June 1 Inspector Inspecto	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Expires Signed Signed FECTION The pump of Paller and Expired the pump of valve, dry knowledge and belief, totion III, Division 1.	11/10/98 IN IN INSTRUCTION IN INSTR	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Expires Signed Signed FECTION The properties of Boller and Properti	11/10/98 IN IN INSTRUCTION IN INSTR	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Expires Signed Signed Signed FECTION The state of Boller and Properties of COMME and amployed by cred the pump, or valve, dry knowledge and belief, total III, Division 1. Siekes any warranty, expression or connected with this complete and with this complete and connected with this connec	reasure Vessel inspecto: RCIAL UNION INS lescribed in this Deta Repthe Certificate Holder had be liable in any manufactor.	rs and
We certify that the statements made in this report are correct and that of the ASME Code, Section III, Division 1. N-2882 N Certificate of Authorization No	Expires Signed Signed Signed FECTION The state of Boller and Properties of COMME and amployed by cred the pump, or valve, dry knowledge and belief, total III, Division 1. Siekes any warranty, expression or connected with this complete and with this complete and connected with this connec	11/10/98 IN IN INSTRUCTION IN INSTR	rs and

(1) For manually operated valves only.

1. Owner	wner PPL Susquehanna, LLC			Date		6/7/2001	
Two Nort	h Ninth St., Allen		11	Sheet	of		2 846
2. Plant Sus	Address squehanna Steal	m Electric Stati	on	Unit		Two	
DO Poy 467 /	Nam 707 Salem Blvd,	_	18603	PCWO 19	1040, 19104	6, 189729, 193980	, 189033
PO BOX 4077	Address	Derwick, FA	10003	R	epair Organizatio	n P.O. No., Job No., etc.	
3. Work Performed by	PPL Su	squehanna, LL	<u>c</u>	Type Code Sy	mbol Stamp	None	9
Two Nort	n Ninth St., Allen	town, PA 1810	1	Authorization i	No	N/A	
	Address			Expiration Dat	e	N/A	
4. Identification of System	n	20	61B - Reacto	r Water Cleant	up; Class 3	3	· · · · · · · · · · · · · · · · · · ·
5. (a) Applicable Constru (b) Applicable Edition			71 Edition		Addenda, 	NA C	Code Case
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump	Haywood Tyler	U12H91824	NA	Spare	1992	Replaced	No
Pump Proximity Probe	Haywood Tyler	U12H91824	NA	Spare	1999	Replacement	No
Pump Probe Plug	PPL	U12H91824	NA	Spare	1999	Replacement	No
Pump	Haywood Tyler	U12H91823	NA	2P221B	1992	Replaced	No
Pump	Haywood Tyler	U12H91824	NA	2P221B	1992	Replacement	No
Pump	Haywood Tyler	U12H91822	NA	2P221A	1992	Replaced	No
Pump	Haywood Tyler	U12H91820	NA	2P221A	1992	Replaced	No
	Pump proximity Pump proximity President Presid	Pneumatic _	Nominal	oce Pumps for Operating Pressurest Temp.		ice, Machine V	
NOTE: Supplemen	Other Presental sheets in form of ugh 6 on this report	sure *	psi Te	st Temp. be used, provided	* °F	8½ in. x 11 in., (2) informa-

FORM NIS-2 (Back)

Remarks Haywood Tyler pump construction code is Draft version date 11/68 of ASME Code					
Applicable Manufacturer's Data Reports to be attached					
Anchor Darling Valve construction code includes Code Cases 1516-1 and 1634.					
Testing: 2P221B: TP-000-001, VT-2 at 1210 psi @ 5	25°F; 2P221A: SE-000-017, VT-2 at 1280 @ 525°F				
CERTIFICATION C	OF COMPLIANCE				
We certify that the statements made in the report are correct a ASME Code, Section XI.	and this Repair/Replacement conforms to the rules of the				
Type Code Symbol Stamp	N/A				
Certificate of Authorization No. N/A	Expiration N/A				
Signed Owner or Owner's Designed, Title Supv Site Modifications Grou	Date 22 ,20 01				
CERTIFICATION OF INS	SERVICE INSPECTION				
I show the single desired to be a second as a second second by the Making of	I Deard of Deiler and Drassure Vessel Immediate and the Chat-				
I, the undersigned, holding a valid commission issued by the Nationa or Province of PENNSYLVANIA and employed by	FACTORY MUTUAL INSURANCE CO. of				
johnston, Rhode Island in this Owner's Report during the period	have inspected the components described to APRIL 23, 200, and state that				
to the best of my knowledge and belief, the Owner has performed ex	aminations and taken corrective measures described in this				
Owner's Report in accordance with the requirements of the ASME Co By signing this certificate neither the Inspector nor his employer m	pace, Section XI. Takes any warranty, expressed or implied, concerning the				
examinations and corrective measures described in this Owner's Reshall be liable in any manner for any personal injury or property dama	port. Furthermore, neither the Inspector nor his employer				
inspection.	ige of a loss of any kind arising from or connected with this				
Commiss Commiss	sions NB 7525 IBNA PA 2159				
Inspector's Signatur	National Board, State, Province, and Endorsements				
Date JUNE 22 20 01	·				

1. Owner		PPL Susquel			Date		6/7/2001	
	Two North	Ninth St., Allent		1	Sheet	2 of	2	
2. Plant	Sus	quehanna Stean		on	Unit		Two	
PO	Box 467 / 7	707 Salem Blvd,		18603		See	Page 1	
		Address			Re	pair Organizatio	n P.O. No., Job No., etc	<u>.</u>
3. Work Per	formed by _	PPL Sus	quehanna, LLO	<u> </u>	Type Code Syr	nbol Stamp	Non	ıe
	Two North	Ninth St., Allen		1	Authorization N	lo	N/A	
		Address			Expiration Date		N/A	
4. Identific	ation of System	n	2	61B - Reacto	r Water Cleanu	p; Class 3	3	<u> </u>
5. (a) App	licable Constru	ction Code	19	71 Edition	, thru W'72	Addenda,	NA	Code Case
, , , , ,		of Section XI Utilized onents Repaired or R				-		
	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)
	alve	Anchor Darling	E-T044-3-8	NA	244F005B	1992	Repaired	Yes

1. Owner	PPL Susque			Date		6/22/2001	
Two Nort	h Ninth St., Allen		11	Sheet	1 0	f27	
2. Plant Su	squehanna Stea		on	Unit		TWO	
PO Box 467 /	707 Salem Blvd,	•	18603	Rei	SEE AT	TACHED LIST on P.O. No., Job No., etc.	
3. Work Performed by		squehanna, LL0	•	Type Code Syn		Non	
o. Work i chomica by	11200	Name	<u> </u>	Type Code Syll	iboi	14011	
Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization N	lo	N/A	
				Expiration Date		N/A	· · · · · · · · · · · · · · · · · · ·
4. Indentification of Syst	em	REACTOR	VESSEL ANI	D AUX. SYSTE	M, 262A,	CLASS 1.	
5. (a) Applicable Constr (b) Applicable Edition					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, <u>N/A *</u> PAGE 27)	Code Case
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	onents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
1) MAIN STM ISOL VALVE (BOLTING)	ATWOOD & MORRILL	16-221	N/A	HV241F022D	1974	REPLACED	YES
2)MAIN STM ISOL VALVE (BOLTING)	PPL	N/A	N/A	HV241F022D	2001	REPLACEMENT	NO
3)RX HEAD VENT VALVE	YARWAY	A9083	N/A	HV241F001	1979	REPLACED	YES
4)RX HEAD VENT VALVE	ANCHOR DARLING	E949A-1-3	N/A	HV241F001	2000	REPLACEMENT	YES
5)RX HEAD VENT VALVE	YARWAY	A9071	N/A	HV241F002	1979	REPLACED	YES
6)RX HEAD VENT VALVE	ANCHOR DARLING	E949A-1-4	N/A	HV241F002	2000	REPLACEMENT	YES
7)RX HEAD VENT VALVE	YARWAY	A1066	N/A	HV241F005	1977	REPLACED	YES
7. Description of Work			SEE AT	TACHED LIST.			
	ydrostatic Dther Press	Pneumatic	Nominal	Operating Pressur	re 🔲 °F	(SEE PAGE 23 -	- 26)
NOTE: Supplemen tion in items 1 thro	tal sheets in form of ugh 6 on this report	f lists, sketches, o	or drawings may ach sheet, and	be used, provided (3) each sheet is	l (1) size is numbered	s 8½ in. x 11 in., (and the number o	2) informa- f sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CC	DE DATA REPOR	RTS ARE ATTACHI	ED.		
		Applicable Manufa	cturer's Data Reno	rts to be attached	
-					
		CERTIFICATION	ON OF COM	IPLIANCE	
We certify	that the statements ma	ade in the report are co	rrect and this	REPLACEMENT AND REPAIR	conforms to the rules of the
ASME Code, See	ction XI.			repair or replacement	
Type Code Sy	mbol Stamp			N/A	
Certificate of A	Authorization No.	N/A	Expiration	on	N/A
Signed L	5/10	l	Date	. 1	22 ,20 0)
" 111	wher or Owner's Designee, Titl	le Supv Site Modifications C		Uni	
					
		ERTIFICATION OF	INCEDVIC	E INSPECTION	
	C	ERTIFICATION OF	- INSERVIC	E MOPECTION	
I, the undersigne	ed, holding a valid com	mission issued by the N	ational Board	of Boiler and Pressu	re Vessel inspectors and the State
	PENNSYLVANIA , RHODE ISLAND	and employed by	FACTO	have inspecte	RANCE CO. of the components described
in this Owner's P	Seport during the period	DEC. 27 20	200	to APRIL :	23 2007, and state that
to the best of my	knowledge and belief.	the Owner has perform	ed examination	ns and taken correc	tive measures described in this
Owner's Report i	n accordance with the	requirements of the ASI	ME Code, Sec over makes ar	:ยon XI. nv warrantv. express	ed or implied, concerning the
evaminations and	d corrective measures.	described in this Owner	's Report. Fu	ırthermore, neither th	ne Inspector nor his employer
shall be liable in	any manner for any pe	rsonal injury or property	damage or a	loss of any kind aris	ing from or connected with this
inspection.	. 1 1				0
Val	Hadling	Cor	nmissions 🖊	137525 11	BNA PA 2159
	Inspector's Signature			National Board, Sta	te, Province, and Endorsements
Date JUNE	ZC 20 0	1			

1. Owner	PP&L			Date	- (5/22/2001	
Two North	Nar n Ninth St., Allen		1	Sheet	2 of	27	
100100	Address	, , , , , , , , , ,					
2. Plant Sus	squehanna Stear		on	Unit		TWO	
PO Box 467 /	707 Salem Blvd,	-	18603	Po		TACHED LIST on P.O. No., Job No., etc.	
	Address	PP&L Inc.		Type Code Syr	•	None	
3. Work Performed by _		Name		Type code cy.			
Two North	n Ninth St., Allen	town, PA 1810	1	Authorization N	lo	<u>N/A</u>	
	Audress			Expiration Date		N/A	
4. Indentification of Syste	em	REACTOR	VESSEL AN	ID AUX SYSTE	M, 262A,	CLASS I.	
5. (a) Applicable Constru			71 Edition		Addenda	N/A * C	ode Case
(b) Applicable Edition 6. Identification of Comp					. (022)	AGE 21)	
		1	T	1		<u> </u>	1.01.15
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)
8)RX HEAD VENT VALVE	ANCHOR DARLING	E949A-1-2	N/A	HV241F005	2000	REPLACEMENT	YES
9) SMALL PIPE SUBASSEMLBY	BECHTEL	N/A	N/A	SPDBA212-3	1983	REPLACED	YES
10)SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPDBA212-3	2001	REPLACEMENT	NO
11) SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPDBA212- H2655	1983	REPLACED	NO
12)SMALL PIPE SUPPORT	PPL	N/A	N/A	SPDBA212- H2655	2001	REPLACEMENT	NO
13) SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPDBA212- H2656	1983	REPLACED	NO
14)SMALL PIPE SUPPORT	PPL	N/A	N/A	SPDBA212- H2656	2001	REPLACEMENT	NO
15)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0085 (VALVE)	N/A	PSV-241F013A	1981	REPAIRED	YES
16)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0085 (VALVE)	N/A	PSV-241F013A	1981	REPLACED	YES
(DISC INSERT) 17)MAIN STM RELIEF VALVE	CROSBY	N97499-35- 0034	N/A	PSV-241F013A	2000	REPLACEMENT	YES
(DISC INSERT) 18)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0085 (VALVE)	N/A	PSV-241F013A	1981	REPLACED	YES

1. Owner	PP&L			Date		5/22/2001	
Two Norti	n Ninth St., Aller		1	Sheet	3 of	27	
2. Plant Sus	Address squehanna Stea		on	Unit		TWO	
PO Box 467 /	Nam 707 Salem Blvd, Address	· -	18603	Res		TACHED LIST	
3. Work Performed by		P&L Inc.		Type Code Syr	nbol	None	<u> </u>
Two Norti	n Ninth St., Aller		1	Authorization N	o	N/A	
	Address			Expiration Date		N/A	
4. Indentification of Syste	em	REACTOR		ID AUX SYSTE			
5. (a) Applicable Construction(b) Applicable Edition6. Identification of Comp	of Section XI Utilize		eplacements 19	89 *		, <u>N/A *</u> (PAGE 27)	Code 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)
19)MAIN STM RELIEF VALVE	CROSBY	K82137-53- 0075	N/A	PSV-241F013A	2000	REPLACEMENT	YES
(SPINDLE) 20)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0085 (VALVE)	N/A	PSV-241F013A	1981	REPLACED	YES
(NOZZLE) 21)MAIN STM RELIEF VALVE	CROSBY	N93184-40- 0094	N/A	PSV-241F013A	1988	REPLACEMENT	NO
(NOZZLE) 22)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0113	N/A	PSV-241F013A	1981	REPLACED	YES
23)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0085	N/A	PSV-241F013A	1981	REPLACEMENT	YES
24)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0085 (VALVE)	N/A	PSV-241F013A	1981	REPLACED	YES
25)MAIN STM RELIEF VALVE	PPL	N/A	N/A	PSV-241F013A	2001	REPLACEMENT	NO
(BOLTING) 26)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0030 (VALVE)	N/A	PSV-241F013C	1980	REPAIRED	YES
27)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0030 (VALVE)	N/A	PSV-241F013C	1980	REPLACED	YES
(DISC INSERT) 28)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36- 0042	N/A	PSV-241F013C	2000	REPLACEMENT	YES

1. Owner	PP&L			Date 6/22/2001				
Two Nort	h Ninth St., Allent		1	Sheet 4	of	27		
2. Plant Su	squehanna Stear		on	Unit		TWO		
PO Box 467 /	707 Salem Blvd,		18603	Repa	SEE AT	TACHED LIST in P.O. No., Job No., etc.		
3. Work Performed by		P&L Inc.		Type Code Symbol No			·	
Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization No. N/A				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Expiration Date		N/A	.	
4. Indentification of Syst	em	REACTOR	VESSEL AN	ID AUX SYSTE	И, 262A,	CLASS I.		
(a) Applicable Constr (b) Applicable Edition	ucion oouc		71 Edition eplacements 19		Addenda, (* SEE F	N/A * (PAGE 27)	Code Case	
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	onents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)	
29) MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0030 (VALVE)	N/A	PSV-241F013C	1980	REPLACED	YES	
(SPINDLE) 30)MAIN STM RELIEF VALVE	CROSBY	K82137-54- 0084	N/A	PSV-241F013C	2000	REPLACEMENT	YES	
(SPINDLE) 31)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0030 (VALVE)	N/A	PSV-241F013C	1980	REPLACED	YES	
(BELLOWS ASSM) 32)MAIN STM RELIEF VALVE	CROSBY	K55484-49- 0266	N/A	PSV-241F013C	1992	REPLACEMENT	YES	
(BELLOWS ASSM) 33)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0030 (VALVE)	N/A	PSV-241F013C	1980	REPLACED	YES	
(BOLTING) 34)MAIN STM RELIEF VALVE	PPL	N/A	N/A	PSV-241F013C	1998	REPLACEMENT	NO	
(BOLTING) 35)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0087	N/A	PSV-241F013C	1980	REPLACED	YES	
36)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0030	N/A	PSV-241F013C	1980	REPLACEMENT	YES	
37)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0030 (VALVE)	N/A	PSV-241F013C	1980	REPLACED	YES	
38)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013C	2001	REPLACEMENT	NO	

1. Owner	PP&L			Date	6	/22/2001	
Two Nort	Nam Ninth St., Allent		<u> </u>	Sheet5	of	27	
2. Plant Sus	Address squehanna Stean		on	Unit		TWO	
PO Box 467 /	707 Salem Blvd,		8603	Repa		TACHED LIST n P.O. No., Job No., etc.	
3. Work Performed by		P&L Inc.		Type Code Sym	bol	None	
Two Nort	n Ninth St., Allent		<u> </u>	Authorization No	o	N/A	
	Addices			Expiration Date			
4. Indentification of Syst	em	REACTOR	VESSEL AN	D AUX SYSTE	M, 262A <u>,</u>	CLASS I.	
(a) Applicable Constr (b) Applicable Edition	ucion code		71 Edition		,		Code Case
6. Identification of Comp							
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
39)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0132 (VALVE)	N/A	PSV-241F013E	1982	REPAIRED	YES
40)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0132 (VALVE)	N/A	PSV-241F013E	1982	REPLACED	YES
(DISC INSERT) 41)MAIN STM RELIEF VALVE	CROSBY	N97499-36- 0041	N/A	PSV-241F013E	2000	REPLACEMENT	YES
(DISC INSERT) 42)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0132 (VALVE)	N/A	PSV-241F013E	1982	REPLACED	YES
(SPINDLE) 43)MAIN STM RELIEF VALVE	CROSBY	K82137-54- 0080	N/A	PSV-241F013E	2000	REPLACEMENT	YES
(SPINDLE) 44)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0132 (VALVE)	N/A	PSV-241F013E	1982	REPLACED	YES
(NOZZLE) 45)MAIN STM RELIEF VALVE	CROSBY	N93184-57- 0177	N/A	PSV-241F013E	1988	REPLACEMENT	
(NOZZLE) 46)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0132 (VALVE)	N/A	PSV-241F013E	1982	REPLACED	YES
(BOLTING) 47)MAIN STM RELIEF VALVE	PPL	N/A	N/A	PSV-241F013E	2001	REPLACEMENT	NO
(BOLTING) 48)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0021	N/A	PSV-241F013E	1980	REPLACED	YES

1. Owner	PP&L Inc. Date 6/22/2001						
Two Nort	h Ninth St., Aller		1	Sheet6	<u>S</u> of	f <u>27</u>	
2. Plant Su	squehanna Stea		on	Unit	·	TWO	
PO Box 467 /	707 Salem Blvd,		18603	Rep		TTACHED LIST on P.O. No., Job No., etc.	
3. Work Performed by	F	P&L Inc.		Type Code Sym	ibol	None)
Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization No	o	N/A	
				Expiration Date		N/A	
4. Indentification of System	em	REACTOR	VESSEL AN	ID AUX SYSTE	M, 262A	, CLASS I.	
5. (a) Applicable Constr (b) Applicable Edition6. Identification of Comp	of Section XI Utilize	ed for Repairs or Re		89 *	Addenda (* SEE	, <u>N/A *</u> (PAGE 27)	Code 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)
49)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0132	N/A	PSV-241F013E	1982	REPLACEMENT	Y€S
50)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0132(VALVE)	N/A	PSV-241F013E	1982	REPLACED	YES
51)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013E	2001	REPLACEMENT	NO
52)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0093 (VALVE)	N/A	PSV-241F013G	1981	REPAIRED	YES
53)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0093 (VALVE)	N/A	PSV-241F013G	1981	REPLACED	YES
54)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36- 0037	N/A	PSV-241F013G	2000	REPLACEMENT	YES
55)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0093 (VALVE)	N/A	PSV-241F013G	1981	REPLACED	YES
56)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	K82137-54- 0082	N/A	PSV-241F013G	2000	REPLACEMENT	YES
57)MAIN STM RELIEF VALVE (NOZZLE)	CROSBY	N63790-00- 0093 (VALVE)	N/A	PSV-241F013G	1981	REPLACED	YES
58)MAIN STM RELIEF VALVE (NOZZLE)	CROSBY	N93184-40- 0095	N/A	PSV-241F013G	1988	REPLACEMENT	NO

1. Owner		L Inc.		Date		6/22/2001	
Two Nor	th Ninth St., Aller		01	Sheet	7 o	f <u>27</u>	,
2. Plant Su	squehanna Stea		ion	Unit		TWO	
PO Box 467 /	707 Salem Blvd	-	18603	Rec	SEE A	TTACHED LIST on P.O. No., Job No., etc	
3. Work Performed by		PP&I Inc		Type Code Syn		Non	
or trom remaining by		Name	·····	Type Code Gyn	IDOI	14011	
Two Nort	h Ninth St., Aller	ntown, PA 1810	11	Authorization N	o	N/A	
				Expiration Date		N/A	
4. Indentification of Syst	em	REACTOR	R VESSEL AN	ND AUX SYSTE	M, 262A	, CLASS I.	
5. (a) Applicable Constr (b) Applicable Edition	of Section XI Utilize	ed for Repairs or R		89 *	radonad	, <u>N/A *</u> PAGE 27)	Code Case
6. Identification of Comp	onents Repaired or	Replaced and Rep	lacement Compo	onents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
59)MAIN STM	CROSBY	N63790-00-	N/A	PSV-241F013G	1981	REPLACED	YES
RELIEF VALVE (BOLTING)		0093 (VALVE)					
60)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013G	2001	REPLACEMENT	NO
61)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0131	N/A	PSV-241F013G	1982	REPLACED	YES
62)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0093	N/A	PSV-241F013G	1981	REPLACEMENT	YES
63)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0093(VALVE)	N/A	PSV-241F013G	1981	REPLACED	YES
64)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013G	2001	REPLACEMENT	NO
65)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0034 (VALVE)	N/A	PSV-241F013J	1980	REPAIRED	YES
66)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0034 (VALVE)	N/A	PSV-241F013J	1980	REPLACED	YES
67)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36- 0043	N/A	PSV-241F013J	2000	REPLACEMENT	YES
68)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0034 (VALVE)	N/A	PSV-241F013J	1980	REPLACED	YES

1. Owner	PP&L			Date	6	6/22/2001	
Two Nort	Nan h Ninth St., Allen Address		1	Sheet	3 of	27	
2. Plant Su:	squehanna Stear		on	Unit		TWO	
PO Box 467 /	707 Salem Blvd,		18603	Rep		TACHED LIST	
		ND 01 Ima		,	•	Non	
3. Work Performed by	P	PP&L Inc.		Type Code Sym	IDOI	Non	<u> </u>
Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization No	o	N/A	
	Address			Expiration Date		N/A	
4. Indentification of Syst	em	REACTOR	VESSEL AN	ID AUX SYSTE	M, 262A,	CLASS I.	
5. (a) Applicable Constr (b) Applicable Edition	uction Code ASI		71 Edition				Code Case
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	onents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
69)MAIN STM RELIEF VALVE	CROSBY	K82137-54- 0079	N/A	PSV-241F013J	2000	REPLACEMENT	YES
(SPINDLE) 70)MAIN STM RELIEF VALVE (BELLOWS ASSM)	CROSBY	N63790-00- 0034 (VALVE)	N/A	PSV-241F013J	1980	REPLACED	YES
71)MAIN STM RELIEF VALVE (BELLOWS ASSM)	CROSBY	K55484-49- 0267	N/A	PSV-241F013J	1992	REPLACEMENT	YES
72)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0034 (VALVE)	N/A	PSV-241F013J	1980	REPLACED	YES
73)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013J	2001	REPLACEMENT	NO
74)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0028	N/A	PSV-241F013J	1980	REPLACED	YES
75)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0034	N/A	PSV-241F013J	1980	REPLACEMENT	
76)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0034(VALVE)	N/A	PSV-241F013J	1980	REPLACED	YES
77)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013J	2001	REPLACEMENT	NO _
78)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0096 (VALVE)	N/A	PSV-241F013M	1981	REPAIRED	YES

1. Owner		L Inc.		Date		6/22/2001	
Two Nort	h Ninth St., Aller		1	Sheet	<u> </u>	r <u>27</u>	
2. Plant Su	squehanna Stea		on	Unit		TWO	
PO Box 467 /	707 Salem Blvd,	, Berwick, PA	18603	Rep		TTACHED LIST on P.O. No., Job No., etc.	
3. Work Performed by	ŗ	PP&L Inc.		Type Code Symbol None			<u>e</u>
Two Nort	h Ninth St., Aller	ntown, PA 1810	1	Authorization No. N/A			
				Expiration Date		N/A	
4. Indentification of System	em	REACTOR	R VESSEL AN	ND AUX SYSTE	M, 262A	, CLASS I.	——————————————————————————————————————
5. (a) Applicable Constr(b) Applicable Edition6. Identification of Comp	of Section XI Utilize	ed for Repairs or Re		89 *		, <u>N/A *</u> PAGE 27)	Code 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)
79)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0096 (VALVE)	N/A	PSV-241F013M	1981	REPLACED	YES
80)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36- 0036	N/A	PSV-241F013M	2000	REPLACEMENT	YES
81)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0096 (VALVE)	N/A	PSV-241F013M	1981	REPLACED	YES
82)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	K82137-53- 0078	N/A	PSV-241F013M	2000	REPLACEMENT	YES
83)MAIN STM RELIEF VALVE (NOZZLE)	CROSBY	N63790-00- 0096 (VALVE)	N/A	PSV-241F013M	1981	REPLACED	YES
84)MAIN STM RELIEF VALVE (NOZZLE)	CROSBY	N93184-40- 0093	N/A	PSV-241F013M	1992	REPLACEMENT	NO
85)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0081	N/A	PSV-241F013M	1982	REPLACED	YES
86)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0096	N/A	PSV-241F013M	1981	REPLACEMENT	YES
87)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0096(VALVE)	N/A	PSV-241F013M	1981	REPLACED	YES
88)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013M	2001	REPLACEMENT	NO

1. Owner	PP&L			Date	6	5/22/2001	
Two North	n Ninth St., Allen		1	Sheet	10 of	27	
2. Plant Sus	Address squehanna Stear		on	Unit		TWO	
PO Box 467 /	_{Nam} 707 Salem Blvd,	-	18603			TACHED LIST	
	Address						
3. Work Performed by	F	PP&L Inc.		Type Code Sy	mbol	None	
Two Nort	n Ninth St., Allen	town, PA 1810	1	Authorization	No	N/A	
	Address			Expiration Dat	e	N/A	
4. Indentification of Systematics	em	REACTOR	VESSEL AN	D AUX SYST	EM, 262A,	CLASS I.	
5. (a) Applicable Constr	uction Code AS	ME Sec III * 19	71 Edition		_		Code Case
(b) Applicable Edition	of Section XI Utilize	ed for Repairs or Re			_ (" SEE !	PAGE 27)	
6. Identification of Comp	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 Stampe d (Yes or No)
89)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0095 (VALVE)	N/A	PSV-241F013F	1981	REPAIRED	YES
90)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0095 (VALVE)	N/A	PSV-241F013F	1981	REPLACED	YES
91)MAIN STM RELIEF VALVE	CROSBY	N97499-35- 0035	N/A	PSV-241F013F	2000	REPLACEMENT	YES
92)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0095 (VALVE)	N/A	PSV-241F013F	1981	REPLACED	YES
(SPINDLE) 93)MAIN STM RELIEF VALVE	CROSBY	K82137-54- 0081	N/A	PSV-241F013F	2000	REPLACEMENT	YES
(SPINDLE) 94)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0095 (VALVE)	N/A	PSV-241F013F	1981	REPLACED	YES
95)MAIN STM RELIEF VALVE	PPL	N/A	N/A	PSV-241F013F	2001	REPLACEMENT	NO
96)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0089	N/A	PSV-241F013F	1981	REPLACED	YES
97)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0095	N/A	PSV-241F013F		REPLACEMENT	
98)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0095(VALVE)	N/A	PSV-241F013F	1981	REPLACED	YES

1. Owner	PP&L Inc.				6/22/2001			
Two Nor	Two North Ninth St., Allentown, PA 18101				1 o	f <u>27</u>		
2. Plant Su	Susquehanna Steam Electric Station			Unit	TWO			
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603				SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.				
3. Work Performed by PP&L Inc.								
Name				Type Code Symbol None				
Two North Ninth St., Allentown, PA 18101				Authorization No. N/A		N/A		
Addicas				Expiration Date		N/A		
4. Indentification of Sys	tem	REACTOR	R VESSEL AN	ID AUX SYSTE	M, 262A	, CLASS I.		
(a) Applicable Construction Code ASME Sec III * 19 71 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19				·		Addenda, N/A * Code Case (* SEE PAGE 27)		
6. Identification of Comp	ponents Repaired or I	Replaced and Rep	lacement Compo	onents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)	
99)MAIN STM RELIEF VALVE (BOLTING)	PPL	N/A	N/A	PSV-241F013P	2001	REPLACEMENT	NO	
100)MAIN STM RELIEF VALVE	CROSBY	N63790-00- 0129 (VALVE)	N/A	PSV-241F013S	1982	REPAIRED	YES	
101)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N63790-00- 0129 (VALVE)	N/A	PSV-241F013S	1982	REPLACED	YES	
102)MAIN STM RELIEF VALVE (DISC INSERT)	CROSBY	N97499-36- 0040	N/A	PSV-241F013S	2000	REPLACEMENT	YES	
103)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	N63790-00- 0129 (VALVE)	N/A	PSV-241F013S	1982	REPLACED	YES	
104)MAIN STM RELIEF VALVE (SPINDLE)	CROSBY	K82137-54- 0083	N/A	PSV-241F013S	2000	REPLACEMENT	YES	
105)MAIN STM RELIEF VALVE (ADJUST BOLT)	CROSBY	N63790-00- 0129 (VALVE)	N/A	PSV-241F013S	1982	REPLACED	YES	
106)MAIN STM RELIEF VALVE (ADJUST BOLT)	CROSBY	K76731-32- 0005	N/A	PSV-241F013S	1992	REPLACEMENT	YES	
107)MAIN STM RELIEF VALVE (BOLTING)	CROSBY	N63790-00- 0129 (VALVE)	N/A	PSV-241F013S	1982	REPLACED	YES	
108)MAIN STM RELIEF VALVE	PPL	N/A	N/A	PSV-241F013S	2001	REPLACEMENT	NO	

1. Owner			L Inc.		Date		6/22/2001	
T	Two Nort	h Ninth St., Aller)1	Sheet	12 o	f27	•
2. Plant	Su	squehanna Stea		ion	Unit	· · · · · · · · · · · · · · · · · · ·	TWO	
PO Bo	ox 467 /	707 Salem Blvd	-	18603	Rei	SEE A	FTACHED LIST on P.O. No., Job No., etc	<u> </u>
3. Work Perform	med by		PP&L Inc.		Type Code Syr		Non	
T	wo Nort	h Ninth St., Aller	ntown, PA 1810)1	Authorization No. N/A			
		Address			Expiration Date	·	N/A	····
4. Indentification	on of Syste	em	REACTOR	R VESSEL AN	ND AUX SYSTE	M, 262A	CLASS I.	
5. (a) Applicat (b) Applicat	ble Constr ble Edition	uction Code AS of Section XI Utilize	ME Sec III * 19 ed for Repairs or R		7, Thru W'72		N/A * PAGE 27)	Code Case
6. Identification	n of Comp	onents Repaired or	Replaced and Rep	lacement Compo	onents			
Name Compor		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
109)MAIN STM RELIEF VA		CROSBY	N63790-00- 0088	N/A	PSV-241F013S	1981	REPLACED	YES
110)MAIN STM RELIEF VA		CROSBY	N63790-00- 0129	N/A	PSV-241F013S	1982	REPLACEMENT	YES
111)MAIN STM VALVE STEM		ATWOOD MORRILL	15-221 (VALVE)	N/A	HV-241F022C	1974	REPLACED	YES
112)MAIN STM VALVE STEM		ATWOOD MORRILL	HT#N0787-60 (SN 10)	N/A	HV-241F022C	2001	REPLACEMENT	NO
113)CONTROL	. ROD	GE	A3483	N/A	30-39 (Core Loc.)	1981	REPLACED	YES
114)CONTROL	ROD	GE	A4574	N/A	30-39 (Core Loc.)	1981	REPLACEMENT	YES
115)CONTROL DRIVE (8 BOL		GE	N/A	N/A	30-39 (Core Loc.)	1981	REPLACED	NO
116)CONTROL DRIVE (8 BOL		GE	HT # 13835	N/A	30-39 (Core Loc.)	2000	REPLACEMENT	NO
117)CONTROL	ROD	GE	A5222	N/A	38-07 (Core Loc.)	1981	REPLACED	YES
118)CONTROL	ROD	GE	8282	N/A	38-07 (Core Loc.)	1978	REPLACEMENT	YES
119)CONTROL DRIVE (8 BOL		GE	N/A	N/A	38-07 (Core Loc.)	1981	REPLACED	NO

1. Owner		PP&L			Date6/22/2001			
	Two North	Nan n Ninth St., Allen Address		1	Sheet1	3 of	27	
2. Plant	Sus	squehanna Stear		on .	Unit		TWO	
РО В	ox 467 / 7	707 Salem Blvd,	-	18603	Rep	SEE AT	TACHED LIST on P.O. No., Job No., etc.	_,
3. Work Perfo	rmed by _	F	P&L Inc.	· .	Type Code Sym	ıbol	None	
	Two North	n Ninth St., Allen		1	Authorization N	o	N/A	
		Address			Expiration Date		N/A	
4. Indentificat	tion of Syste	em	REACTOR	VESSEL AN	D AUX SYSTE	M, 262A,	CLASS I.	
5. (a) Applica (b) Applica	able Constru able Edition		d for Repairs or Re		89 *		N/A * C PAGE 27)	ode Case
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
120)CONTRO DRIVE (8 BC		GE	HT # 13835	N/A	38-07 (Core Loc.)	2000	REPLACEMENT	NO
121)CONTRO	L ROD	GE	A4650	N/A	38-55 (Core Loc.)	1981	REPLACED	YES
122)CONTRO	L ROD	GE	A2191	N/A	38-55 (Core Loc.)	1983	REPLACEMENT	YES
123)CONTRO DRIVE (8 BC		GE	N/A	N/A	38-55 (Core Loc.)	1981	REPLACED	NO
124)CONTRO DRIVE (8 BC		GE	HT # 13835	N/A	38-55 (Core Loc.)	2000	REPLACEMENT	NO
125)CONTRO	L ROD	GE	A4433	N/A	22-43 (Core Loc.)	1981	REPLACED	YES
126)CONTRO	L ROD	GE	8961	N/A	22-43 (Core Loc.)	1981	REPLACEMENT	YES
127)CONTRO DRIVE (8 BC		GE	N/A	N/A	22-43 (Core Loc.)	1981	REPLACED	NO
128)CONTRO DRIVE (8 BC		GE	HT # 13835	N/A	22-43 (Core Loc.)	2000	REPLACEMENT	NO
129)CONTRO	L ROD	GE	A5479	N/A	26-23 (Core Loc.)	1981	REPLACED	YES
130)CONTRO	L ROD	GE	9525	N/A	26-23 (Core Loc.)	1984	REPLACEMENT	YES

1. Owner		PP&L			Date 6/22/2001					
	Two North	Nan Ninth St., Allen		<u> </u>	Sheet	4 of	27			
2. Plant	Sus	Address quehanna Stear		on	Unit		TWO			
PO	Box 467 / 7	707 Salem Blvd,		8603	Re		TACHED LIST n P.O. No., Job No., etc.			
3. Work Per	formed by _	,	PP&L Inc.	····	Type Code Syr	nbol	None	<u> </u>		
	Two North	Ninth St., Allen		1	Authorization N	lo	N/A			
		Address			Expiration Date		N/A			
4. Indentific	cation of Syste	em	REACTOR	VESSEL AN	D AUX SYSTE	M, 262A,	CLASS I.	· · · · · · · · · · · · · · · · · · ·		
(b) Appl		of Section XI Utilize	d for Repairs or Re	eplacements 19		Addenda, (* SEE F	N/A * PAGE 27)	Code 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 Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)		
131)CONTF DRIVE (8 I		GE	N/A	N/A	26-23 (Core Loc.)	1981	REPLACED	NO		
132)CONTE		GE	HT # 13835	N/A	26-23 (Core Loc.)	2000	REPLACEMENT	NO		
133)CONTE	ROL ROD	GE	9407	N/A	54-15 (Core Loc.)	1978	REPLACED	YES		
134)CONTF	ROL ROD	GE	A4725	N/A	54-15 (Core Loc.)	1981	REPLACEMENT	YES		
135)CONTE		GE	N/A	N/A	54-15 (Core Loc.)	1981	REPLACED	NO		
136)CONTE		GE	HT # 13835	N/A	54-15 (Core Loc.)	2000	REPLACEMENT	NO		
137)CONTF	ROL ROD	GE	4104	N/A	18-11 (Core Loc.)	1981	REPLACED	YES		
138)CONTF	ROL ROD	GE	A3579	N/A	18-11 (Core Loc.)	1981	REPLACEMENT	YES		
139)CONTF		GE	N/A	N/A	18-11 (Core Loc.)	1981	REPLACED	NO		
140)CONTF		GE	HT # 13835	N/A	18-11 (Core Loc.)	2000	REPLACEMENT			
141)CONTE	ROL ROD	GE	A5654	N/A	10-43 (Core Loc.)	1981	REPLACED	YES		

1. Owner								
Two No	Name rth Ninth St., Allent			Sheet	15 of	27		
2. Plant Si	Address usquehanna Steam	n Electric Statio	on	Unit		TWO	- 	
PO Box 467	Name / 707 Salem Blvd,	Berwick, PA 1	8603			TACHED LIST n P.O. No., Job No., etc.		
3. Work Performed by	Address	P&L Inc.		Type Code S		None		
Two No	rth Ninth St., Allent	Name own, PA 18101	l	Authorization	No	N/A		
	Address			Expiration Da	ate	N/A		
4. Indentification of Sy	stem	REACTOR	VESSEL AN	D AUX SYST	EM, 262A,	CLASS I.		
5. (a) Applicable Cons (b) Applicable Editi	struction Code ASM on of Section XI Utilized	d for Repairs or Re		89 *		N/A * C PAGE 27)	code Case	
6. Identification of Con	nponents Repaired or F	Replaced and Replaced	acement Compo	nents		1		
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)	
142)CONTROL ROD	GE	A4527	N/A	10-43 (Core Loc.)	1981	REPLACEMENT	YES	
143)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	10-43 (Core Loc.)	1981	REPLACED	NO	
144)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	10-43 (Core Loc.)	2000	REPLACEMENT	NO	
145)CONTROL ROD	GE	A4415	N/A	38-11 (Core Loc.)	1981	REPLACED	YES	
146)CONTROL ROD	GE	5138	N/A	38-11 (Core Loc.)	1984	REPLACEMENT	YES	
147)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	38-11 (Core Loc.)	1981	REPLACED	NO	
148)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	38-11 (Core Loc.)	2000	REPLACEMENT	NO	
149)CONTROL ROD	GE	A3982	N/A	50-19 (Core Loc.)	1981	REPLACED	YES	
150)CONTROL ROD	GE	9351	N/A	50-19 (Core Loc.)	1978	REPLACEMENT		
151)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	50-19 (Core Loc.)	1981	REPLACED	NO	
152)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	50-19 (Core Loc.)	2000	REPLACEMENT	NO	

1. Owner	PP&L Nam			Date 6/22/2001				
Two No	orth Ninth St., Allent		<u> </u>	Sheet1	6 of	27		
2. Plant	Address Susquehanna Stean	_,,	on	Unit		TWO	<u></u>	
PO Box 467	/ / 707 Salem Blvd,		8603	Rej		TACHED LIST n P.O. No., Job No., etc.		
3. Work Performed by	,	P&L Inc.		Type Code Syr	nbol	None		
Two No	Two North Ninth St., Allentown, PA 18101					N/A		
	Expiration Date	·	N/A					
4. Indentification of S	vstem	REACTOR	VESSEL AN	D AUX SYSTE	M, 262A,	CLASS I.		
5. (a) Applicable Cor (b) Applicable Edi	estruction Code ASI tion of Section XI Utilize	d for Repairs or Re		89 *	- , , , , , , , , , , , , , , , , , , ,	N/A * CPAGE 27)	ode Case	
6. Identification of Co	mponents Repaired or F	Replaced and Repl	acement Compo	nents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)	
153)CONTROL ROD	GE	A4207	N/A	58-43 (Core Loc.)	1981	REPLACED	YES	
154)CONTROL ROD	GE	7849	N/A	58-43 (Core Loc.)	1978	REPLACEMENT	YES	
155)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	58-43 (Core Loc.)	1981	REPLACED	NO	
156)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	58-43 (Core Loc.)	2000	REPLACEMENT	NO	
157)CONTROL ROD	GE	7824	N/A	18-03 (Core Loc.)	1978	REPLACED	YES	
158)CONTROL ROD	GE	A5349	N/A	18-03 (Core Loc.)	1981	REPLACEMENT	YES	
159)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	18-03 (Core Loc.)	1981	REPLACED	NO	
160)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	18-03 (Core Loc.)	2000	REPLACEMENT	NO	
161)CONTROL ROD	GE	9331	N/A	30-59 (Core Loc.)	1978	REPLACED	YES	
162)CONTROL ROD	GE	9399	N/A	30-59 (Core Loc.)	1984	REPLACEMENT	YES	
163)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	30-59 (Core Loc.)	1981	REPLACED	NO	

1. Owner		PP&L			Date		3/22/2001	
	Two North	Ninth St., Allent			Sheet	of	27	
2. Plant	Sus	Address quehanna Stean		on	Unit		TWO	
PO	Box 467 / 7	Name 107 Salem Blvd,		8603			TACHED LIST on P.O. No., Job No., etc.	
3. Work Perf	formed by	Address P	P&L Inc.		Type Code	, ,	None	
	Two North	Ninth St., Allent	Name town, PA 18101	<u> </u>	Authorizatio	n No	N/A	
		Address			Expiration D	ate	N/A	
4. Indentific	ation of Syste	m	REACTOR	VESSEL AN	D AUX SYS	TEM, 262A	, CLASS I.	
(b) Appl		of Section XI Utilize	d for Repairs or Re		89 *		, <u>N/A *</u> C PAGE 27)	ode Case
6. Identifica	ition of Compo	onents Repaired or F	Replaced and Replaced	acement Compo	nents			
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	Year on Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
164)CONTF DRIVE (8 I		GE	HT # 13835	N/A	30-59 (Core Loc.	2000	REPLACEMENT	NO
165)CONTF		GE	9518	N/A	34-59 (Core Loc.	1978	REPLACED	YES
166)CONTE	ROL ROD	GE	A4348	N/A	34-59 (Core Loc.	1981	REPLACEMENT	YES
167)CONTF		GE	N/A	N/A	34-59 (Core Loc.	1981	REPLACED	NO
168)CONTF	ROL ROD	GE	HT # 13835	N/A	34-59 (Core Loc.) 2000	REPLACEMENT	NO
169)CONTE		GE	A5500	N/A	26-39 (Core Loc	1981	REPLACED	YES
170)CONT	ROL ROD	GE	5270	N/A	26-39 (Core Loc) 1984	REPLACEMENT	YES
171)CONTE		GE	N/A	N/A	26-39 (Core Loc	1981	REPLACED	NO
172)CONTI	ROL ROD	GE	HT # 13835	N/A	26-39 (Core Loc	2000	REPLACEMENT	NO
173)CONT		GE	7837	N/A	14-23 (Core Loc	.) 1978	REPLACED	YES
174)CONT	ROL ROD	GE	A5622	N/A	14-23 (Core Loc	.) 1981	REPLACEMENT	YES

1. Owner		PP&L			Date	6	6/22/2001			
	Two North	Ninth St., Allen		1	Sheet	18 of	27			
2. Plant	Sus	quehanna Stear		on	Unit		TWO			
PO	Box 467 / 7	707 Salem Blvd,		18603	SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.					
			P&L Inc.		Type Code Syr	,	Non			
3. Work Pe	rformed by _	<u>F</u>	Name		Type Code Syl	IIDOI				
	Two North	Ninth St., Allen	town, PA 1810	1	Authorization N	10.	N/A			
		Addless			Expiration Date	·	N/A			
4. Indentifi	cation of Syste	em	REACTOR	VESSEL AN	D AUX SYSTE	M, 262A,	CLASS I.			
5. (a) App (b) App	licable Constru	of Section XI Utilize		71 Edition, eplacements 19		- '	N/A * PAGE 27)	Code Case		
6. Identific	ation of Compo	onents Repaired or F	Replaced and Repl	acement Compo	nents					
1	ime of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)		
175)CONT DRIVE (8		GE	N/A	N/A	14-23 (Core Loc.)	1981	REPLACED	NO		
176)CONT DRIVE (8		GE	HT # 13835	N/A	14-23 (Core Loc.)	2000	REPLACEMENT	NO		
177)CONT	ROL ROD	GE	A3802	N/A	02-27 (Core Loc.)	1981	REPLACED	YES		
178)CONT	ROL ROD	GE	A2297	N/A	02-27 (Core Loc.)	1981	REPLACEMENT	YES		
179)CONT DRIVE (8		GE	N/A	N/A	02-27 (Core Loc.)	1981	REPLACED	NO		
180)CONT DRIVE (8	ROL ROD BOLTS)	GE	HT # 13835	N/A	02-27 (Core Loc.)	2000	REPLACEMENT	NO		
181)CONT	ROL ROD	GE	A4265	N/A	26-19 (Core Loc.)	1981	REPLACED	YES		
182)CONT	ROL ROD	GE	A4487	N/A	26-19 (Core Loc.)	1981	REPLACEMENT	YES		
183)CONT DRIVE (8		GE	N/A	N/A	26-19 (Core Loc.)	1981	REPLACED	NO		
184)CONT DRIVE (8		GE	HT # 13835	N/A	26-19 (Core Loc.)	2000	REPLACEMENT	NO		
185)CONT	ROL ROD	GE	A4289	N/A	22-27 (Core Loc.)	1981	REPLACED	YES		

1. Owner		PP&L			Date	6/22/2001				
	Two Nort	h Ninth St., Allen		1	Sheet 1	9 of	27			
2. Plant	Sus	Address squehanna Stear Name		on	Unit		TWO			
PO	Box 467 /	707 Salem Blvd,		18603	Rep		TACHED LIST			
3. Work Per	rformed by		P&L Inc.	-A-2-01	Type Code Sym	-	Non			
	Two Nort	h Ninth St., Allen	town, PA 1810	1	Authorization N	Authorization No. N/A				
					Expiration Date		N/A			
4. Indentific	cation of Syste	em	REACTOR	VESSEL AN	D AUX SYSTE	M, 262A,	CLASS I.			
	icable Constr licable Edition	uction Code ASI of Section XI Utilize		71 Edition, eplacements 19				Code Case		
6. Identifica	ation of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			_		
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)		
186)CONTF	ROL ROD	GE	A5644	N/A	22-27 (Core Loc.)	1981	REPLACEMENT	YES		
187)CONTF DRIVE (8 I		GE	N/A	N/A	22-27 (Core Loc.)	1981	REPLACED	NO		
188)CONTF DRIVE (8 I		GE	HT # 13835	N/A	22-27 (Core Loc.)	2000	REPLACEMENT	NO		
189)CONTF	ROL ROD	GE	7790	N/A	54-31 (Core Loc.)	1978	REPLACED	YES		
190)CONTF	ROL ROD	GE	A5485	N/A	54-31 (Core Loc.)	1981	REPLACEMENT	YES		
191)CONTF DRIVE (8 B		GE	N/A	N/A	54-31 (Core Loc.)	1981	REPLACED	NO		
192)CONTR DRIVE (8 B		GE	HT # 13835	N/A	54-31 (Core Loc.)	2000	REPLACEMENT	NO		
193)CONTF	ROL ROD	GE	A5211	N/A	50-15 (Core Loc.)	1981	REPLACED	YES		
194)CONTF	ROL ROD	GE	9453	N/A	50-15 (Core Loc.)	1984	REPLACEMENT	YES		
195)CONTR DRIVE (8 E		GE	N/A	N/A	50-15 (Core Loc.)	1981	REPLACED	NO		
196)CONTR		GE	HT # 13835	N/A	50-15 (Core Loc.)	2000	REPLACEMENT	NO		

1. Owner		L Inc.		Date 6/22/2001				
Two No	rth Ninth St., Aller		01	Sheet	20 c	of <u>27</u>		
2. Plant S	usquehanna Stea		ion	Unit		TWO		
PO Box 467	/ 707 Salem Blvd	, Berwick, PA	18603	Re	SEE A	TTACHED LIST ion P.O. No., Job No., etc		
3. Work Performed by		PP&L Inc.			Type Code Symbol Nor			
Two No	rth Ninth St., Aller		1	Authorization N	Authorization NoN/A			
	Address			Expiration Date		N/A		
4. Indentification of Sys	stem	REACTOR	R VESSEL AN	ND AUX SYSTE	M, 262A	, CLASS I.	==-	
5. (a) Applicable Cons(b) Applicable Edition6. Identification of Com	truction Code AS on of Section XI Utilize	ME Sec III * 19 ed for Repairs or R	71 Edition	n, Thru W'72	Addenda		Code 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)	
197)CONTROL ROD	GE	A4499	N/A	46-19 (Core Loc.)	1981	REPLACED	YES	
198)CONTROL ROD	GE	A5606	N/A	46-19 (Core Loc.)	1981	REPLACEMENT	YES	
199)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	46-19 (Core Loc.)	1981	REPLACED	NO	
200)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	46-19 (Core Loc.)	2000	REPLACEMENT	NO	
201)CONTROL ROD	GE	A5596	N/A	58-35 (Core Loc.)	1981	REPLACED	YES	
202)CONTROL ROD	GE	A4480	N/A	58-35 (Core Loc.)	1981	REPLACEMENT	YES	
203)CONTROL ROD DRIVE (8 BOLTS)	GE	N/A	N/A	58-35 (Core Loc.)	1981	REPLACED	NO	
204)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	58-35 (Core Loc.)	2000	REPLACEMENT	NO	
205)CONTROL ROD	GE	A5595	N/A	30-55 (Core Loc.)	1981	REPLACED	YES	
206)CONTROL ROD	GE	A5258	N/A	30-55 (Core Loc.)	1981	REPLACEMENT	YES	
207)CONTROL ROD	GE	N/A	N/A	30-55	1981	REPLACED	NO	

(Core Loc.)

DRIVE (8 BOLTS)

1. Owner	PP&L			Date6/22/2001				
Two North	Nam n Ninth St., Allent		1	Sheet	21 of	27		
1 WO HOLD	Address		,					
2. Plant Sus	squehanna Stean		on	Unit		TWO		
PO Box 467/	707 Salem Blvd,		8603		SEE AT	TACHED LIST in P.O. No., Job No., etc.		
3. Work Performed by	Address	P&L Inc.			Type Code Symbol No			
-	4	Name				NI/A		
Two Norti	h Ninth St., Allent	town, PA 18101	<u> </u>	Authorization	No	N/A		
				Expiration Da	te	N/A		
4. Indentification of System	em	D AUX SYST	EM, 262A,	CLASS I.				
5. (a) Applicable Constr	(a) Applicable Construction Code ASME Sec III * 19 71 Edition,						ode Case	
	Applicable Edition of Section XI Utilized for Repairs or Replacements 19				_ (*SEE+	PAGE 27)		
6. Identification of Comp	onents Repaired or F	Replaced and Repla	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 Stampe d (Yes or No)	
208)CONTROL ROD DRIVE (8 BOLTS)	GE	HT # 13835	N/A	30-55 (Core Loc.)	2000	REPLACEMENT	NO	
209) LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	DBA-212-1 FLG # M-1	1983	REPAIRED	YES	
210) MAIN STM ISOL VALVE	ATWOOD MORRILL	11-221	N/A	HV241F028B	1974	REPAIRED	YES	
211) LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	DBA-212-1 FLG # M-1	1983	REPLACED	YES	
212) LARGE PIPE SUBASSEMBLY	PP&L	N/A	N/A	DBA-212-1 FLG # M-1	2001	REPLACEMENT	NO	
213) LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	DCA-211-3 FLG # M-1	1983	REPLACED	YES	
214) LARGE PIPE SUBASSEMBLY	PP&L	N/A	N/A	DCA-211-3 FLG # M-1	2001	REPLACEMENT	NO	
215) LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	DCA-211-3 FLG # M-3	1983	REPLACED	YES	
216) LARGE PIPE SUBASSEMBLY	PP&L	N/A	N/A	DCA-211-3 FLG # M-3	2001	REPLACEMENT	NO	
217) MAIN STM ISOL VALVE	ATWOOD MORRILL	11-221	N/A	HV241F028E	1974	REPLACED	YES	
(BONNET BOLTING) 218) MAIN STM ISOL VALVE (BONNET BOLTING)	PPL	N/A	N/A	HV241F028E	3 2001	REPLACEMENT	NO	

1. Owner	PP&L Inc.				Date6/22/2001				
Two Nortl	Nar n Ninth St., Allen Address	•••	1	Sheet 2	.2 of	27			
2. Plant Sus	squehanna Stear		on	Unit		TWO			
PO Box 467 /	707 Salem Blvd,		18603	Rei	SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.				
3. Work Performed by		Type Code Symbol None							
Two Norti	Authorization N	lo	N/A						
	Expiration Date		N/A						
4. Indentification of Syste	em	REACTOR	VESSEL AN	ID AUX SYSTE	M, 262A,	, CLASS I.			
5. (a) Applicable Construction(b) Applicable Edition6. Identification of Comp		•	, <u>N/A *</u> C PAGE 27)	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)		
219) MAIN STM ISOL VALVE (STEM)	ATWOOD MORRILL	12-221	N/A	HV241F022B	1974	REPLACED	YES		
220) MAIN STM ISOL VALVE (STEM)	ATWOOD MORRILL	N/A	N/A	HV241F022B	1998	REPLACEMENT	NO		
221) REACTOR VENT NOZZLE	CB&I	68-3332-32	N/A	2S401 N007	1973	REPAIRED	YES		
222) MAIN STM ISOL VALVE (BONNET BOLTING)	ATWOOD MORRILL	15-221	N/A	HV241F022C	1974	REPLACED	YES		
223) MAIN STM ISOL VALVE (BONNET BOLTING)	PPL	N/A	N/A	HV241F022C	2001	REPLACEMENT	NO		

1. Owner		PPL Susqueh		Date	0	6/22/2001
	Two North	Ninth St., Allento		Sheet	of	27
2. Plant	Sus	quehanna Steam	Electric Station	Unit		TWO
P	O Box 467 / 7	07 Salem Blvd, I	Berwick, PA 18603	SEE A	TACHED LIST	on P.O. No., Job No., etc.
3. Work F	Performed by		uehanna, LLC	Type Cod	e Symbol	None
	Two North	Ninth St., Allento		Authoriza	tion No.	N/A
		Address		Expiration	Date	N/A
4. Indent	ification of Syster	m	REACTOR	VESSEL, 26	2A, CLASS I.	
(b) A _l	oplicable Edition		Sec III * 19 71 Edit for Repairs or Replacements eplaced and Replacement Con			
ITEM(S)	WORK AUTH./ WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF V	VORK	DI	ESCRIPTION OF TESTS
1-2	322298	G01-262-013	HV241F022D, REPL VALVE BONNET I			NG, VT-2 PER SE-200-002 6°F / PRESS 1055 PSIG
3-10	271772 & 271048	00-262-003 & 00-262-004	HV241F001, HV241F002 & SPDBA212-3; RX VENT VAI PIPE REPLACEMI PCWO 27177, PREFAB A PCWO 223797 INSTAL	LVE & ASSOC ENT ACTIVITIES		NG, VT-2 PER SE-200-002 6°F / PRESS 1055 PSIG
11-14	271408	00-262-004	SPDBA212-H2655 & SPDB REPLACEMENT OF SPD CLIP WITH RX VENT VALVE RE	A212-H2656; S ASSOCIATED		N/A
15-21	231997	00-262-017	PSV 241F013A, REPAIRED BY MACHINING, REPLA INSERT, SPINDLE AND	RELIEF VLV CED DISC		olting, VT-3 INTERNALS, VT-2 ALLATION PER W/O # 271991
22-25	271991	00-262-006	PSV 241F013A, INST REFURBISHED RELIEF V REPLACED NUT	ALLED ALVE AND		NG, VT-2 PER SE-200-002 6°F / PRESS 1055 PSIG
26-34	231997	00-262-018	PSV 241F013C, REPAIRED R MACHINING, REPLACED D SPINDLE, BELLOWS ASSI DUAL DIAMETER S	ELIEF VLV BY ISC INSERT, EMBLY AND	DURING INSTA	olting, VT-3 INTERNALS, VT-2 ALLATION PER W/O # 272013
35-38	272013	00-262-007	PSV 241F013C, INST REFURBISHED RELIEF \ REPLACED NU	/ALVE AND		NG, VT-2 PER SE-200-002 6°F / PRESS 1055 PSIG
39-47	231997	00-262-019	PSV 241F013E, REPAIRED R MACHINING, REPLACED D SPINDLE, NOZZLE, (4) ST DUAL DIAMETER S	ELIEF VLV BY ISC INSERT, UDS AND A	DURING INSTA	olting, VT-3 INTERNALS, VT-2 ALLATION PER W/O # 272023
48-51	272023	00-262-008	PSV 241F013E, INST REFURBISHED RELIEF \ REPLACED NU	/ALVE AND rs	TEMP 150	NG, VT-2 PER SE-200-002 6°F / PRESS 1055 PSIG
52-60	231997	00-262-020	PSV 241F013G, REPAIRED R MACHINING, REPLACED D SPINDLE, NOZZLE, AND	ISC INSERT,		olting, VT-3 INTERNALS, VT-2 ALLATION PER W/O # 272027
61-64	272027	00-262-009	PSV 241F013G, INST REFURBISHED RELIEF \ REPLACED NU	ALVE AND		NG, VT-2 PER SE-200-002 6°F / PRESS 1055 PSIG

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 _		06/22/2	001	
	Two North	Ninth St., Allento		Sheet	24	of	2	7
2. Plant	Sus	squehanna Steam	Electric Station	Unit		TWC)	
Р	O Box 467 / 7		Berwick, PA 18603	SEE 4	TTACHED LIS	eт		
		Address	201111011,777 10000	_ SEE A	Repair Organ	nization P.O. No.	, Job No., e	tc.
3. Work P	erformed by _	PPL Susc	quehanna, LLC	Type Co	de Symbol		No	ne
	Two North	Ninth St., Allento	own, PA 18101	Authoriza	ation No.		N/A	
		7.00.000		Expiratio	n Date		N/A	
4. Indent	tification of Syste	em	REACTOR	VESSEL, 26	2A, CLAS	S I.		
5. (a) Ap	oplicable Constru	iction Code ASMI	E Sec III * 19 71 Edition for Repairs or Replacements 1	ion, Thru W	/'72 Adde	nda, N/A		Code Case
(b) A _l	pplicable Edition	of Section XI Utilized	for Repairs or Replacements 1	19 <u>89 *</u>	(* SE	E PAGE 27))	
6. Identif	ication of Compo	onents Repaired or Re	eplaced and Replacement Com	ponents				
ITEM(S)	WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF V	VORK		DESCRIPT TEST		
65-73	231997	00-262-021	PSV 241F013J, REPAIRED R MACHINING, REPLACED D SPINDLE, BELLOW ASSEMB AND A DUAL DIAMETE	ISC INSERT, LY, (3) STUDS		let bolting, VT ISTALLATION	-3 INTER	
74-77	272031	00-262-010	PSV 241F013J, INST REFURBISHED RELIEF V REPLACED NUT	ALLED /ALVE AND		DLTING, VT-2 P 156°F / PRE		
78-84	231997	00-262-022	PSV 241F013M, REPAIRED R MACHINING, REPLACED D SPINDLE AND NOZ	ELIEF VLV BY ISC INSERT,		et bolting, VT ISTALLATION		
85-88	272033	00-262-011	PSV 241F013M, INST. REFURBISHED RELIEF V REPLACED NUT	ALLED ALVE AND	1	DLTING, VT-2 P 156°F / PRE		
89-95	231997	00-262-023	PSV 241F013P, REPAIRED R MACHINING, REPLACED D SPINDLE AND (2) ST	ISC INSERT,	VT-1 for inl DURING IN	et bolting, VT ISTALLATION	-3 INTER I PER W	NALS, VT-2 O # 272042
96-99	272042	00-262-012	PSV 241F013P, INSTA REFURBISHED RELIEF V REPLACED NUT	ALLED 'ALVE AND		LTING, VT-2 P 156°F / PRE		
100-108	231997	00-262-024	PSV 241F013S, REPAIRED RI MACHINING, REPLACED DI SPINDLE, ADJUSTING BOLT A	ELIEF VLV BY ISC INSERT,	DURING IN	et bolting, VT STALLATION		
109-110	272059	00-262-013	PSV 241F013S, INSTA			VT-2 PER SE 156°F / PRE		
111-112	231034	00-262-015	HV241F022C, REPLACED V			VT-2 PER SE 156°F / PRE	-200-002	
113-116	229961	00-262-025	REPLACED CONTROL ROD BOLTS AT CORE LOC		VT-1 CAP	SCREWS, VT P 156°F/ PRE	-2 PER S	SE-200-002
117-120	229972	00-262-026	REPLACED CONTROL ROD BOLTS AT CORE LOC	DRIVE AND	VT-1 CAP	SCREWS, VI	-2 PER S	SE-200-002
121-124	229974	00-262-027	REPLACED CONTROL ROD BOLTS AT CORE LOC	DRIVE AND	VT-1 CAP	SCREWS, VT	-2 PER S	E-200-002
125-128	229953	00-262-028	REPLACED CONTROL ROD BOLTS AT CORE LOC.	DRIVE AND	VT-1 CAP	P 156°F/ PRE SCREWS, VT P 156°F/ PRE	-2 PER 9	E-200-002

1. Owner		PPL Susqueha	ınna, LLC	Date		6/22/2001
	Two North	Ninth St., Allenton	wn, PA 18101	Sheet _	o	f <u>27</u>
		Address				TMO
2. Plant	Susc	quehanna Steam	Electric Station	Unit		TWO
P	O Box 467 / 7		serwick, PA 18603	SEE AT	TACHED LIST	
		Address				ion P.O. No., Job No., etc.
3. Work P	erformed by	PPL Susq	uehanna, LLC	Type Cod	e Symbol	None None
	Two North	Ninth St., Allento		Authoriza	tion No.	N/A
		Address		Expiration	Date	N/A
1 Indent	ification of Syster	m	REACTOR	VESSEL, 26	2A, CLASS I	•
	•		Sec III * 19 71 Edit			a, N/A Code Case
5. (a) Ap	oplicable Constru-	of Section XI Utilized f	for Repairs or Replacements			PAGE 27)
			placed and Replacement Cor			
			DESCRIPTION OF 1		DES	CRIPTION OF TESTS
ITEM(S)	WORK ORDER	FORM				REWS, VT-2 PER SE-200-002
129-132	294627	00-262-029	REPLACED CONTROL RO BOLTS AT CORE LO	C. 26-23	TEMP 1	56°F/ PRESS 1055 PSIG
133-136	294628	00-262-030	REPLACED CONTROL RO BOLTS AT CORE LO	D DRIVE AND C. 54-15	VT-1 CAP SC TEMP 1	REWS, VT-2 PER SE-200-002 56°F/ PRESS 1055 PSIG
137-140	229950	00-262-031	REPLACED CONTROL RO BOLTS AT CORE LOG	D DRIVE AND	VT-1 CAP SC TEMP 1	REWS, VT-2 PER SE-200-002 56°F/ PRESS 1055 PSIG
141-144	229948	00-262-032	REPLACED CONTROL RO BOLTS AT CORE LO		TEMP 1	REWS, VT-2 PER SE-200-002 56°F/ PRESS 1055 PSIG
145-148	229973	00-262-033	REPLACED CONTROL RO BOLTS AT CORE LO	D DRIVE AND	TEMP 1	REWS, VT-2 PER SE-200-002 56°F/ PRESS 1055 PSIG
149-152	272661	00-262-034	REPLACED CONTROL RO BOLTS AT CORE LOG	D DRIVE AND	VT-1 CAP SC TEMP 1	REWS, VT-2 PER SE-200-002 56°F/ PRESS 1055 PSIG
153-156	272707	00-262-035	REPLACED CONTROL RC BOLTS AT CORE LO	D DRIVE AND	VT-1 CAP SC	REWS, VT-2 PER SE-200-002 156°F/ PRESS 1055 PSIG
157-160	294629	00-262-036	REPLACED CONTROL RC	D DRIVE AND	VT-1 CAP SC	REWS, VT-2 PER SE-200-002
161-164	229968	00-262-037	BOLTS AT CORE LOG REPLACED CONTROL RC		VT-1 CAP SC	156°F/ PRESS 1055 PSIG CREWS, VT-2 PER SE-200-002
			BOLTS AT CORE LO	C. 30-59	VT-1 CAP SO	56°F/ PRESS 1055 PSIG REWS, VT-2 PER SE-200-002
165-168	229971	00-262-038	BOLTS AT CORE LO	C. 34-59	TEMP 1	156°F/ PRESS 1055 PSIG
169-172	229959	00-262-039	REPLACED CONTROL RO BOLTS AT CORE LO	D DRIVE AND C. 26-39	TEMP 1	REWS, VT-2 PER SE-200-002 156°F/ PRESS 1055 PSIG
173-176	229949	00-262-040	REPLACED CONTROL RO BOLTS AT CORE LO	D DRIVE AND	VT-1 CAP SO	REWS, VT-2 PER SE-200-002 156°F/ PRESS 1055 PSIG
177-180	229946	00-262-041	REPLACED CONTROL RC BOLTS AT CORE LO	D DRIVE AND	VT-1 CAP SC	DREWS, VT-2 PER SE-200-002 156°F/ PRESS 1055 PSIG
181-184	229954	00-262-042	REPLACED CONTROL RO	D DRIVE AND	VT-1 CAP SC	CREWS, VT-2 PER SE-200-002 156°F/ PRESS 1055 PSIG
185-188	229951	00-262-043	BOLTS AT CORE LO	D DRIVE AND	VT-1 CAP SC	REWS, VT-2 PER SE-200-002
		00.000.044	BOLTS AT CORE LO	C. 22-27	VT-1 CAP SO	156°F/ PRESS 1055 PSIG CREWS, VT-2 PER SE-200-002
189-192	272703	00-262-044	BOLTS AT CORE LO	C. 54-31	TEMP 1	156°F/ PRESS 1055 PSIG
193-196	229977	00-262-045	REPLACED CONTROL RO BOLTS AT CORE LO	DD DRIVE AND C. 50-15		CREWS, VT-2 PER SE-200-002 156°F/ PRESS 1055 PSIG

		As Required b	y the Provisions of the	E ASIME COO	e Section	IAI		
1. Owner		PPL Susqueha	nna, LLC	Date		6/22/	2001	
	Two North	Name Ninth St., Allento	wn, PA 18101	Sheet	26	_ of	27	
2. Plant	Susc	Address quehanna Steam	Electric Station	Unit		TW	/ O	
P	O Box 467 / 7		erwick, PA 18603	SEE AT	TACHED L	IST	No. Joh No. otg	
3. Work P	erformed by	Address PPL Susq		Type Cod	e Symbol		No., Job No., etc Non	
	Two North	Ninth St., Allento	_{Name} wn, PA 18101	Authoriza	tion No		N/A	
		Address		Expiration	Date		N/A	
4. Indenti	ification of Syster	m	REACTOR	VESSEL, 26	2A, CLAS	SS I		
5. (a) Ap (b) Ap	oplicable Constru oplicable Edition	ction Code ASME of Section XI Utilized f	Sec III * 19 71 Edit or Repairs or Replacements 1	ion, Thru W 19 89 *		enda, <u>N</u> SEE PAGE		Code Case
6. Identifi	ication of Compo	nents Repaired or Re	placed and Replacement Com	ponents				
ITEM(S)	WORK AUTH.	CODE PROGRAM FORM	DESCRIPTION OF V	VORK		DESCRIPTI	ION OF TEST	S
197-200	294630	00-262-046	REPLACED CONTROL ROI BOLTS AT CORE LOC		TEI	MP 156°F/ F	, VT-2 PER S PRESS 1055	PSIG
201-204	294631	00-262-047	REPLACED CONTROL ROI BOLTS AT CORE LOC		TE	MP 156°F/ F	, VT-2 PER S PRESS 1055	PSIG
205.209	206520	00-262-048	REPLACED CONTROL ROL	D DRIVE AND	VT-1 CA	P SCREWS	, VT-2 PER S	E-200-002

		·		DECODIDATION OF TESTS
ITEM(S)	WORK AUTH.	CODE PROGRAM FORM	DESCRIPTION OF WORK	DESCRIPTION OF TESTS
197-200	294630	00-262-046	REPLACED CONTROL ROD DRIVE AND	VT-1 CAP SCREWS, VT-2 PER SE-200-002
10. 200			BOLTS AT CORE LOC. 46-19	TEMP 156°F/ PRESS 1055 PSIG
201-204	294631	00-262-047	REPLACED CONTROL ROD DRIVE AND	VT-1 CAP SCREWS, VT-2 PER SE-200-002
201201			BOLTS AT CORE LOC. 58-35	TEMP 156°F/ PRESS 1055 PSIG
205-208	296529	00-262-048	REPLACED CONTROL ROD DRIVE AND	VT-1 CAP SCREWS, VT-2 PER SE-200-002
200 200		**	BOLTS AT CORE LOC. 30-55	TEMP 156°F/ PRESS 1055 PSIG
209	227184	01-262-001	DBA-212-1 FLANGE M-1, REPAIRED	VT-1 FLANGE FACE, VT-2 PER SE-200-002
			FLANGE BY MACHINING	TEMP 156°F / PRESS 1055 PSIG
210	231032	01-262-001	HV241F028B, REMOVED SEAL WELD FROM	N/A
			BONNET	
211-212	232054	01-262-002	DBA212-1, FLANGE M-1,	VT-1 BOLTING, VT-2 PER SE-200-002
			REPLACED BOLTING	TEMP 156°F/ PRESS 1055 PSIG
213-216	232054	01-262-003	DBA211-3, FLANGE M-1 & M-3,	VT-1 BOLTING, VT-2 PER SE-200-002
1			REPLACED BOLTING	TEMP 156°F/ PRESS 1055 PSIG
217-218	231032	01-262-007	HV241F028B,	VT-1 BOLTING, VT-2 PER SE-200-002 TEMP
			REPLACED BODY TO BONNET BOLTING	156°F/ PRESS 1055 PSIG
219-220	298726	01-262-008	HV241F022B, REPLACED VALVE STEM	VT-2 PER SE-200-002
2.0 ==0			·	TEMP 156°F/ PRESS 1055 PSIG
221	272184	01-262-010	2S401, REPAIRED REACTOR VESSEL	VT-1 FLANGE FACE, VT-2 PER SE-200-002
			VENT NOZZLE BY MACHINING	TEMP 156°F / PRESS 1055 PSIG
222-223	231034	01-262-011	HV-241F022C, REPLACED BODY TO	VT-1 BOLTING, VT-2 PER SE-200-002 TEMP
			BONNET BOLTING	156°F/ PRESS 1055 PSIG

	As Required by the Provisions	of the AS	ME Cod	e Sectio	n XI	
1. Owner	PP&L Inc.		Date		6/22	2/2001
	Two North Ninth St., Allentown, PA 18101		Sheet _	27	of	27
2. Plant	Susquehanna Steam Electric Station		Unit		<u></u>	wo
	PO Box 467, Berwick, PA 18603		SEE AT	TACHED	LIST). No., Job No., etc.
3. Work Pe	rformed by PP&L Inc.		Type Cod	e Symbol		None
	Two North Ninth St., Allentown, PA 18101		Authoriza	tion No.		N/A
	Address		Expiration	Date		N/A
4. Indentifi	cation of System REAC	CTOR VE	SSEL, 26	2A, CLA	SS I.	
5. (a) App	licable Construction Code ASME Sec III * 19 71	Edition, ments 19	Thru W 89 *		denda, <u> </u>	N/A Code Case
SUPPLI	EMENT 5 (a) COMPONENT MANUFACTURER	T	CODE OF	CONSTR	UCTION /	CODE CASE(S)
	Yarway		Cons	truction Co	de ASME	Section III, Addenda
	Rx Head Vent Valve Removed Anchor Darling Rx Head Vent Valve Replacements		Cons	truction Co	de ASME	Section III, denda
	Crosby Valve & Gage Co. MSRV'S Valves	FOR V	ALVES IS A	SME Sect	ion III, 197 es 1567 &	DDE OF CONSTRUCTION 1 Ed. With NO Addenda; 1711
	crosby Valve & Gage Co. Replacement Disc Inserts	R	eplacemen	Code is A	SME Sectenda CC 1	ion III, 1974 Edition
	Crosby Valve & Gage Co. Replacement Parts; ellow Assembly, Nozzle, Spindle, And Adjusting Bolt		•	t Code is A	SME Sectenda CC 1	ion III, 1971 Edition 711
	GE, Control Rod Drives Year Built 1978 (ORIGINALLY INSTALLED IN UNIT 1)			ı III, 1971 E	Ed. NO Ad	dd. Code Case 1361
	GE, Control Rod Drives Year Built 1981 (ORIGINALLY INSTALLED IN UNIT 2)					2 Add. Code Case 1361
	GE, Control Rod Drives Year Built 1984 (ORIGINALLY SPARE)					2 Add. Code Case 1361
	ATWOOD & MORRILL, Main Steam Isolation Valves					1 Add. Code Case 1535-2
	CB&I, Reactor Vessel Vent Nozzle, N007 (REPAIR)	ASME	Section III	, 1968 Ed.	Winter '70	Add. Code Case 1361
STIDDLI	EMENT 5 (b)					
201110	REPAIR ACTIVITY				DE CASE	
	ITEM # 2 40	1		1	N-416-1	

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

.•	Flowserve	Corp.	12201	
Manufactured and certification	ied by 701 First	Street, William	ess of N Certificate Holder)	
_	3 ! D	name and addr A A A A A A A A	th Ninth St All	entown PA 18101
2. Manufactured for Rei	<u>nnsylvania Powe</u>	(name and address of F	CII P(III CII 30. 4 71 I	ELICONII. IA TOTO
3. Location of installation	C	tion 5 mi NF o	f Berwick on Rt.	11. P.O. Box 467
3. Location of installation	susquenanna sca	Iname a	nd address) Ber	wick, PA 18603
	V-61ohe	- W992547	4 Rev. C	CRN
4. Model No., Series No.,	or Type	Drawing	Nev.	
	•		1	
5. ASME Code Section III:	Edition	Addenda date	Class	Code Case no.
6. Pump or valve Valve	Nominal	inlet size 2"	Outlet size 2"	
		,,,,,		in.)
7 Margial: Rody SA21	6-WCB Bonnet.	SA564-630-10750is	k COCR/STI 6 Bot	ting
7. Waterian. Socy				•
(a)	(b)	(c)	(d)	(e)
Cert.	Nat'l	Body	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
F0404 1 1 4/	N/A	10	Ht. #B-2401	1 /
E949A-1-1 V E949A-1-2 V	N/A	11	Ht. #B-2401	2 /
F949A-1-3 1	N/A	13	Ht. #B-2401	3
E949A-1-4 /	N/A	14	Ht. #B-2401	4
E949A-1-5 V	N/A	9 /	Ht. #B-2401	5 /
L949R-1-3				
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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.

FORM NPV-1

8. Remarks			
Shop Order E949A-1			
). Design conditions 2774 (pressure		°F or valve pressure class	1500#
Cold working pressure370)5 psi at 100°F		
Hydrostatic test 5575	psi	Disk differential test pressure	psi
<u>.</u>	CERTIFICATION O	F DESIGN	
			019525F
Design Specification certified by Design Report certified byR.S.	D. Sattar Farrell	Prof. Eng. state PA	Reg. No. 019525E
Jesign Report Certified by			
	CERTIFICATE OF SHOP	COMPLIANCE	
We certify that the statements mad	e in this report are correct and th	at this pump or valve conforms to the	rules for construction
of the ASME Code, Section III.	·	at this pump or valve conforms to the	
of the ASME Code, Section III.	·	Expires 4/	15/01
of the ASME Code, Section III. N Certificate of Authorization No	N1712	Expires 4/	15/01
We certify that the statements mad of the ASME Code, Section III. N Certificate of Authorization No	N1712	4/	15/01 ert
of the ASME Code, Section III. N Certificate of Authorization No	N1712 wserve Corp.	Expires 4/	15/01 ert
of the ASME Code, Section III. N Certificate of Authorization No	N1712 wserve Corp.	Expires 4/	15/01 ert
of the ASME Code, Section III. N Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder)	Expires 4/2 Signed R & Stann (represen	15/01 ert
of the ASME Code, Section III. N Certificate of Authorization No	N1712 wserve Corp.	Expires 4/2 Signed R & Stann (represen	15/01 ert
of the ASME Code, Section III. Il Certificate of Authorization No Date 7/28/2000 Name Flo	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHO	Signed RS Starm (represent	15/01 ext (tative)
the ASME Code, Section III. N Certificate of Authorization No Date 1128/2000 Name Flo Name Flo the undersigned, holding a valid of Pennsyl	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOtommission issued by the Nativania	Signed R. Hann (representation) P INSPECTION onal Board of Boiler and Pressure and employed by Commercial	vessel inspectors and Union Ins. Co.
the ASME Code, Section III. N Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOtommission issued by the Nativania have inspe	Signed R. Hann (representation) P INSPECTION onal Board of Boiler and Pressure and employed by Commercial exceed the pump, or valve, described	vessel Inspectors and Union Ins. Co.
the ASME Code, Section III. I Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOtommission issued by the Nativania have inspe	Signed R. Starm (represent the pump, or valve, described to f my knowledge and belief, the N	vessel inspectors and Union Ins. Co.
the ASME Code, Section III. Certificate of Authorization No Date 128200 Name Floo the undersigned, holding a valid of the State SKRASVKAS of Pennsyl Boston, MA 2-1/	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOtommission issued by the Nativania have inspe	Signed R. Starm (represent the pump, or valve, described to f my knowledge and belief, the N	vessel inspectors and Union Ins. Co.
the ASME Code, Section III. Certificate of Authorization No The interpolation of Pennsyl of Boston, MA Constructed this pump, or valve, in a	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOtomission issued by the Nativania have inspected, and state that to the best accordance with the ASME Code	Signed R. Hamman (representation of my knowledge and belief, the Next Section III.	Vessel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has
the ASME Code, Section III. I Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOperature of the National State that to the best accordance with the ASME Code of the Inspector nor his employer management.	Signed R. Hamman (representation of the pump, or valve, described to find the pump. Section III.	Vessel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has applied, concerning the
the ASME Code, Section III. I Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOwn of the National Commission issued by the National Commission issued by the National Conference with the ASME Code of the Inspector nor his employer moort. Furthermore, neither the Inspector.	Signed R. Sammer Commercial and employed by Commercial and employed by Commercial and employed and belief, the New Section III.	Vessel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has applied, concerning the able in any manner for
the ASME Code, Section III. I Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOwn of the National Commission issued by the National Commission issued by the National Conference with the ASME Code of the Inspector nor his employer moort. Furthermore, neither the Inspector.	Signed R. Hamman (representation of the pump, or valve, described to find the pump. Section III.	Vessel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has applied, concerning the able in any manner for
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the ASME Code, Section III. N Certificate of Authorization No	N1712 WSETVE COTP. (N Certificate Holder) CERTIFICATE OF SHOrt commission issued by the National have inspected and state that to the best accordance with the ASME Code are inspector nor his employer material. Furthermore, neither the ingenity of any kind arising	Signed R. S. Sammer Commercial and employed by Commercial and employed by Commercial and employed by coted the pump, or valve, described to find the following of the New Section III.	Vessel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has applied, concerning the able in any manner for ion.
The ASME Code, Section III. N Certificate of Authorization No	N1712 wserve Corp. (N Certificate Holder) CERTIFICATE OF SHOwn of the National Commission issued by the National Commission issued by the National Conference with the ASME Code of the Inspector nor his employer moort. Furthermore, neither the Inspector.	Signed R. S. Sammer Commercial and employed by Commercial and employed by Commercial and employed by coted the pump, or valve, described to find the following of the New Section III.	Vessel Inspectors and Union Ins. Co. in this Data Report on Certificate Holder has implied, concerning the able in any manner for ion.

(1) For manually operated valves only.

Mar. 15. ZUUI 12:42PM
**Revised December 4, 2000

***Revised March 13, 2001

Q.C.-392 Sheet 1 of 2

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

Manufactured and certified by	Anderson Green	tion III, Division 1 - Not to Exceed wood Crosby, 43 Kendrick St., Wre	entham, MA 02093
		ame and Address of N Certificate H	
Manufactured for	PENNS	YLVANIA POWER & LIGHT CO.	·
		nd Address of Purchaser or Owner)	
Location of Installation		HANNA STEAM ELECTRIC STA	
		(Name and Address)	
Type DS-C-63790-4	SA637 GR.718	185,000	D 2/13/01 ₂₀₀₀
(drawing no.)	(mat'l. spec, no.)	(tensile strength) SUMMER(CRN	(year built)
ASME Code, Section III, Division	15* 1971_1974	NO ADDENDA 75 1	***1711 µw3
W		(addenda date) (cla	
Fabricated in accordance with Con	st. Spec. (Div. 2 only)	- Revision	- Date _
		(no.)	
Remarks		(10.)	
			· · · · · · · · · · · · · · · · · · ·
Nom. thickness (in.) Min.	design thickness (in.)	Dia. ID (ft & in.) Len	gth overall (ft & in.) -
When applicable, Certificate Holde	ers' data reports are attack	ed for each item of this report.	
in which the in the	,		tury At
Part or Appurtenance	National	Part or Appurtenance	National
Serial Number	Board No.	Serial Number	Board No.
	in Numerical Order		in Numerical Order
(1) <u>N97499-35-0034</u>	446 .	(26)	
(2) N97499-35-0035		(27)	
(3)		(28)	
W			
(4)	•	(29)	
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(when applicable)

Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

fraging & the

Form N-2 (Back)

Q.C.-392 Sheet 2 of 2

Certificate Holder's Serial No. N97499-35-0034

100	CERTIF	ICATE OF DES	IGN		
Design specifications certified by ** C.T	·NEH M.R.	, Mjaatvedt	P.E. Sta	te PA_CA	35285-E Reg. no_15587
KA# 12-04-		applicable)			
Design report* certified by	•		D T C++	ite	D.
	(when ap)	olicable)	x.D. oa	ire	Reg. no
		· · · · · · · · · · · · · · · · · · ·			
					
<u> </u>	<u>ERTIFICA</u>	TE OF COMPL	JANCE .		
We certify that the statements made in this	s report are c	orrect and that this	(these) D	isc Inserts	
conforms to the rules of construction of the	ne ASME Cod	le, Section III, Div	ision 1.	•	
NPT Certificate of Authorization No.	N-1877	Expires Sep. 3	0, 2001		
	Anderson G	reenwood Crosby		5	
Date 10/5/00 Signed	Wrent	tham, MA ificate Holder)	_by	toben.	4
** 12/04/00	(APT CEN	incate noider)	,	(Authorized	Representative)
			· · · · · · · · · · · · · · · · · · ·		7) -
1	ERTIFICA	TE OF INSPEC	CTION		
} ·		-	•••••		
I, the undersigned, holding a valid committee State or Province of Management	ssion issued b	y the National Boa	rd of Boiler	and Pressure	Vessel Inspectors and
the State or Province of <u>Massachusetts</u> of <u>Johnston Rhode Island</u>	and empl	ave inspected these	items descri	insurance Co. bed in this Da	ata Report on
October 05, 20 00 :	end state that	to the best of my ki	nowledge and	belief, the C	ertificate Holder
has fabricated these parts or appurtenance	s in accordance	e with the ASME (Code, Section	n III, Division	1. Each part listed has
been authorized for stamping on the date s By signing this certificate, neither the Insp		emnlover makes an	v warrantv	ernressed or i	mplied concerning
the equipment described in this Data Repo	rt. Furthermo	ore; neither the Inst	pector nor hi	s employer sh	all be liable in any
manner for any personal injury or property	y damage or l	oss of any kind aris	ing from or	connected with	h this inspection.
		<u>/</u>	do s	1d	
Date	,	**len	XO /B	lean	12-04-2000
Valo VA	\leq			i	ANI
Signed (Authorized Inspecto	<u>7</u>	_ Commission		MA-141	
(Authorized hispean	·1.)	· (Ni	at'l. Bd. (incl.	endorsements)	and state or prov. and no.)
*** W. G. Jaro	au			3/13	101
	7			Date	,
*** Wilt Is	•			3/13/	121
AI	4I			Date	

Q.C.-392 Sheet 1 of 2

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

Manufactured and certified by		enwood Crosby, 43 Ko		
		Name and Address of)
Innufactured for		SYLVANIA POWER		
		and Address of Purch	•	
ocation of Installation	yosus	EHANNA STEAM E		<u> </u>
		(Name and Ad	dress)	
ype <u>DS-C-63790-4</u>	SA564 GR.630	140,000		2000
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	NO (CRN)	(year built
SME Code, Section III, Division		SUMMER 1972		<u>**1711 k</u>
	(edition)	#24 (addenda date)	(class)	(Code Case I
abricated in accordance with Cons	t. Spec. (Div. 2 only)		Revision —	_ Date
		(no.)		
emarks				
om. thickness (in.) - Min.	design thickness (in.)	Dia. ID (ft &	in.) - Length o	verall (ft & in.) -
hen applicable, Certificate Holder	rs' data reports are atta			•
4				1 L 22 K
Part or Appurtenance	National	Part or A	ppurtenance	· National
Serial Number	Board No.	Seria	Number	Board No.
	in Numerical Orde			in Numerical Order
K82137-53-0075		(26)		
K82137-53-0078		(27)	•	·
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* Supplemental information in the form of lists, aketches, or drawings may be used provided (1) size is \$-1/2 x 13, (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.

Form N-2 (Back)

Q.C.-392 Sheet 2 of 2

,	Certificate Holde	r's Serial No. K8:	2137-53-0075		Sheet 2 of
	CERTIF	ICATE OF DE	SIGN		
Design specifications certified by	C.T. NIEH (when	1 applicable)	P.E. State	CA Reg. no	o. <u>15587</u>
Design report* certified by	(when ap	plicable)	P.E. State	Reg. no)
: .	CERTIFICA	TE OF COMP	LIANCE		
We certify that the statements made conforms to the rules of construction	in this report are on of the ASME Co	correct and that this de, Section III, Div	(these) Spindle	Assembly	· · ·
NPT Certificate of Authorization No. Date 9/22/00 Signer	Anderson G	Expires Sep. 3 reenwood Crosby tham, MA	50, 2001 by	s m. O	
** 11/30/80		tificate Holder)		thorized Represent	ative)
	<u>CERTIFICA</u>	TE OF INSPE	CTION		
I, the undersigned, holding a valid of the State or Province of Massach of Johnston, Rhode Island Johns fabricated these parts or appurite been authorized for stamping on the By signing this certificate, neither the equipment described in this Data manner for any personal injury or produce Of 3 3 3 20	and state that date shown above. e Inspector nor his Report. Furthermore, and state or here.	by the National Boaloyed by Factories inspected these to the best of my keep with the ASME employer makes and ore, neither the Inspected by the Section 1981 and 1981	ard of Boiler and Protory Mutual Insurate items described in mowledge and belied Code, Section III, I have warranty, express pector nor his emple	this Data Report of this Data Report of the Certificate H Division 1. Each p sed or implied, con oyer shall be liable ted with this inspe	n colder art listed has aceming in any
Signed 6 80 14	(E)	ANI Commission	s ma	-1418 N	*
(Authorized In	spector)	(N	at'l. Bd. (incl. endors	ements) and state or	prov. and no.)
*** W. A Ja	eorgal_		Ma	nch 14, 200	

*** Level 14, 2001

*** Level 14, 2001

*** Level 14, 2001

*** Level 15, 2001

ANI

Date

***Revised March 13, 2001

**Revised December 4, 2000

10 12/4/00 112-64-2000

Q.C.-392 Sheet 1 of 2

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MO.UI30

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

Manufactured and certified by		ion III, Division 1 - Not to Exceed Over Crosby, 43 Kendrick St., Wren	
36 6 3 6	•	me and Address of N Certificate Hole	TCI.)
Manufactured for		LVANIA POWER & LIGHT CO.	
	· ·	d Address of Furchaser or Owner)	A
Location of Installation	SUSQUEF	IANNA STEAM ELECTRIC STATI	UN
		(Name and Address)	
Type DS-C-63790-4	SA637 GR.718	185,000	2000
(drawing no.)	(mat'l, spec. no.)	(tensile strength) SUMMER (CRN)	Walls (year built
ASME Code. Section III. Division	1: 大大 1971 1974	NO ADDENDA 75 1	**** 1711 w
2	W 9274 0 (edition) W/M	(addenda date) (class	
Fabricated in accordance with Con-	et Spec (Div 2 only)	- Revision	Date
I abilicated in accordance with com		(no.)	
~ .		(10.)	
Remarks			

	design thickness (in.)		h overall (ft & in.)
When applicable, Certificate Holde		ed for each item of this report.	
. , , , , , , , , , , , , , , , , , , ,			3 4 4 7 23
Part or Appurtenance	National	Part or Appurtenance	National
Serial Number	Board No.	Serial Number	Board No.
	in Numerical Order		in Numerical Order
(1) N97499-36-0036		(26)	· · · · · · · · · · · · · · · · · · ·
(2) N97499-36-0037	White	(27)	
(3) N97499-36-0040		(28)	
(4) N97499-36-0041		(29)	
(5) N97499-36-0042		(30)	
(6) N97499-36-0043	6 -2-1	(31)	
(7)		(32)	
		(52)	
		(33)	
(8)			· · · ·
(8) (9) (10)		(33)	1
(8)		(33)	V. 1 **
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• Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

(when applicable)

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Q.C.-392 Sheet 2 of 2

Certificate Holder's Serial No. N97499-36-0036

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Design specifications certified by G.T. NIEHM.R.	Miaatvedt	P.E. State	PA_CA	35285-Е
Design specifications certified by G.T. NIEHM . R.	applicable)			же. п о. 13307-
	••			
Design report* certified by (when ap	-1:11-\	P.E. State _		Reg. no.
(when ap)	plicable)			
<u>CERTIFICA</u>	TE OF COMPLI	<u>ANCE</u>		
We certify that the statements made in this report are c	orrect and that this (t	hese) Disc	Inserts	
conforms to the rules of construction of the ASME Con		ينصب بين -		
NPT Certificate of Authorization No. N-1877	Expires Sep. 30,	2001		
Anderson G	reenwood Crosby		5	9
Date 10/5/00 Signed Wren	tham, MA	by	8 m. G	
** /2/ 3 4/60	tificate Holder)	1,0	A Jan	epresentative)
				0
CERTIFIC	ATE OF INSPEC	TION		
<u> </u>	AND OF ALLOS AND	44041		
I, the undersigned, holding a valid commission issued	_			
the State or Province of <u>Massachusetts</u> and emp of <u>Johnston, Rhode Island</u>	• •	-		
October 5, 20 00 and state that				
has fabricated these parts or appurtenances in accordan	ce with the ASME C	ode, Section II	I, Division 1.	. Each part listed has
been authorized for stamping on the date shown above. By signing this certificate, neither the Inspector nor his			ronned or ince	nlind concountur
the equipment described in this Data Report. Furthern				
manner for any personal injury or property damage or	•		~ ~	•
	./		_	
Date 10-05, 20 00.	** /2.57	(0.11st	and	12 - 04 - 2000
V CHO III	-E-E-MACLEY			ANI
Signed Court li Malian	Commissions		A-1418	μ
(Authorized Inspector)	(N2:	'l. Bd. (incl. en	dorsements) an	d state or prov. and no.)
1000	**************************************	31	121.	
*** let # deroyce		ر رح Da	te .	alastri (Fas.
*** /1, 01102		3/	13/01	
ANI		Da	ite	

**Revised November 30, 2000

11/30/2000 11/3°

Q.C.-392 Sheet 1 of 2

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

Manufactured and certified by		wood Crosby, 43 Ke		
Manufactumed &-	•	lame and Address of l YLVANIA POWER	•)
Manufactured for				
Leastien of Installation	•	and Address of Purch	•	
Location of Installation	SUSQUE	HANNA STEAM EI		
Time DG G 60500 4	01 664 675 600	(Name and Add	aress)	***
Type DS-C-63790-4	SA564 GR.630	140,000		2000
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	NO (CRN)	(year built)
ASME Code, Section III, Division		4 [★] SUMMER 1972		***1711 YAW:
	(edition)	(addenda date)	(class)	(Code Case No.)
Fabricated in accordance with Cor	ast. Spec. (Div. 2 only)		Revision	Date
		(no.)		
Remarks				
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Nom. thickness (in.)Min				verall (ft & in.)
When applicable, Certificate Hold	ers' data reports are attac	hed for each item of	this report.	-
and whether the state of the			, 5	· YARKE
Part or Appurtenance	National		Appurtenance	· • National
Serial Number	Board No.		i Number ·	Board No.
•	in Numerical Order			in Numerical Order
(1) K82137-54-0079		(26)		
(2) K82137-54-0080		(27)		
(3) K82137-54-0081	~~~	(28)		
(4) K82137-54-0082		(29)	<u> </u>	······································
(5) K82137-54-0083		(30)		·····
(6) K82137-54-0084		(31)		· · · · · · · · · · · · · · · · · · ·
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(8)		(33)	i sybes	· Sach Marillani
(9)		(34)		
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(17)		(42)	*: ***********************************	15. 40
(18)		(43)	· · · · · · · · · · · · · · · · · · ·	
(19)		(44)	· · · · · · · · · · · · · · · · · · ·	
(20)	· · · · · · · · · · · · · · · · · · ·	(45)	Total 1	
(21)		(46)		
(22)		(47)		
(23)		(48)	•	
(24)		(49)		*
		(50)		
(25)		\ - -/		
(25)			` .	

^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

Form N-2 (Back)

Certificate Holder's Serial No. K82137-54-0079

The Day of the A

Q.C.-392 Sheet 2 of 2

					· · · · · · · · · · · · · · · · · · ·
	<u>CERTIFIC</u>	ATE OF DESIGN			
Design specifications certified by	C.T. NIEH	P.E	E. State	CA	Reg. no. 15587
	(when ap	plicable)	•	·	
_					
Design report* certified by	4.1		. State		_Reg. no
•	(when applic	able)			
13 .					
	, Company	***************************************	_	······································	
·	· CERTIFICATE	OF COMPLIANC	<u>E</u>		
We certify that the statements made	in this report are corn	art and that this (these)	Snin	dla Assami	slv.
conforms to the rules of construction				dle Assemi)iy
				*	•
NPT Certificate of Authorization No		• — — — — — — — — — — — — — — — — — — —		,	
70.00 mm m m m m m m m m m m m m m m m m	Anderson Green			9, .	1
Date SEFT 23. Signer		m, MA by		25 m.	4m
** 30% Non W	(NPT Certific	cate Holder)	•	Authorized	Representative)
36 Wor W		•		/ FREST	
I, the undersigned, holding a valid of the State or Province of Massacl	nusetts and employ	ed by Factory Mi	itual Ins	итапсе Со.	<u> </u>
of Johnston, Rhode Island					
has fabricated these parts or appurte					
been authorized for stamping on the		will the Advice Code, a	ecdon 1	ii, Divisioli	i. Each part listed
By signing this certificate, neither th		ployer makes any warr	anty, exp	oressed or in	aplied, concerning
the equipment described in this Data	Report. Furthermore	, neither the Inspector r	or his e	mployer sha	ll be liable in any
manner for any personal injury or p	roperty damage or loss	of any kind arising fro	m or co	nnected with	this inspection.
		1/- 1	*		
	**	1. Fig. 181		11-30-	2000
Date	0 00	The state of the s	ANI	7, 47	
Signed Signed	Z.	Commissions	m A	-1418	• •
(Authorized In					
1 Paul 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	aspector)				Tid state or name
(Announced to	aspector)				and state or prov. and
(Almorred in	aspector)				nd state or prov. and
*** W. F. So	aspector)				nd state or prov. and
*** W. F. Sa.	aspector)				
*** U. F. Co.	aspector)	(Nat'l. Bd.		Herek Date	NA 2001
*** U. J. Sa.	nspector)			Herek Date	

CROSBY

CROSBY VALVE COMPANY GAGE

**Revised 3/23/01. 4/23/01 m

Q.C.-392 Form N-2

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES.

As Required by the Provisions of the ASME Code, Section III, Division 1

		eed One Day's Production		Pg1_of
i. Manufactured and certified i		Company 43 Kendri	ck St. Wrenth	ап,ма (12093
Manufactured for PEN	NSYLVANIA POWER & LI			101
	(name and a	address of purchaser)		
. Location of installation PEN	NSYLVANIA POWER & LIC	GHT CO., SUSQUEH	anna ses s	TOREROOM, BERWICK, PA
	t one eman)	address) .		
Type DS-A-63790 (drawing no.)	AMS 5662B (mat'l spec no.)	211,500 PSI (tensile strength)		1992
ASME Code, Section III	, , , , , , ,	(reusile zneučin)	(CRN)	(year built)
Some over secon m		ddenda)	(class)	**1711 3/23/6 (Code Case no.)
Fabricated in accordance with	•	Revision	•	•
		(No.)	· — —	Date
Remarks:				
Nom. thickness (in.)	Min. design thickness (in.)	- Dia, 10 (ft. & in.)	- Lennt	h overall (fe s. In)
				h overall (ft. & in.)
				h overali (ft. & in.)
	olders' data reports are attache			
When applicable, Certificate H		ed for each item of this r	eport:	National
When applicable, Certificate H	oldors' data reports are attache National		eport:	
When applicable, Certificate H Part or Appurtenance Serial Number	oldors' data reports are attache National Board No.	ed for each item of this r	eport:	National Board No.
Part or Appurtenance Serial Number —	oldors' data reports are attache National Board No.	Part of Apur Serial Nu	eport:	National Board No.
Part or Appurtenance Serial Number — 1) K55484-49-0266 2) K55484-49-0267	oldors' data reports are attache National Board No.	Part of Apur Serial Nu	eport:	National Board No.
Part or Appurtenance Serial Number — 1) K55484-49-0266 2) K55484-49-0267	oldors' data reports are attache National Board No.	Part of Apur Serial Nu	eport:	National Board No.
Part or Apportenance Serial Number — 1) K55484-49-0266 2) K55484-49-0267	oldors' data reports are attache National Board No.	Part of Apur Serial Nu (11)	eport:	National Board No.
	oldors' data reports are attache National Board No.	Part of Apur Serial Nu. (11) (12) (13)	eport:	National Board No.
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Part or Appurtenance Serial Number — 1) K55484-49-0266 2) K55484-49-0267 3)	oldors' data reports are attache National Board No.	Part or Apur Serial Nu. (11) (12) (13) (14) (15) (16) (17) (18)	eport:	National Board No. in Numerical Order

Hfr. Serial No. K55484-49-0266 + 0267

· c	ERTIFICATION OF	DESIGN	
Design specification certified by C. T	NIEH	P.E. stateC	Reg. No. 15587
Design reports certified by W. D. GRE		P.E. state MA	Res. No. 14784
AGC Date We certify that the statements made in this respection of the ASS	nama		DISC HOLDER ASSY's
NPT Certificate of Authorization no	N-1877	Poul	ses 9-30-92
Date 8-28-97 Name Crosby Valve	& Gage Company Cicate Holder)	Signed & Guns	
CERTIF	ICATE OF SHOP I	NSPECTION	
I, the undersigned, holding a valid commission Inapectors and the state or previous of MSSSCOR of NOTWOOD MA have inspected these ite state that to the best of my knowledge and belie appurtenances in accordance with the ASME Code, on the date shown above. By signing this certificate, neither the inspect concerning the equipment described in this data shall be liable in any manner for any personal is connected with this inspection. (Authorized Inspector)	DELLS and emp and described in this ef, the Certificate E Section III. Each p for nor his employer a report. Furthermore himry or property des Commissions	loyed by *See Rel data report on A older has tabricate art listed has been makes any warranty, maither the inspect	these parts or supplied, expressed or implied, expressed from or kind arising from or utual System
Arkwright Mutual Insurance Company	** / sllf	1 \$45.455 5	Date 3/23/01
	ANT		

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

Manufactured and certified by	Crosby Valve In	II, Division 1 - Not to Exceed (oc., 43 Kendrick St., Wrentham	, MA 02093
	(Name a	and Address of N Certificate Ho	older)
Manufactured for	PENNSYL	VANIA POWER & LIGHT	
		ddress of Purchaser or Owner)	
Location of Installation	SUSQUE	HANNA SES STOREROOM	
		(Name and Address)	uri di i
Type DS-A-63790 REV.E AS	ME \$A182 GR.F316	(Name and Address) 75,000 3/53/01	1998
· (drawing no.)	(mat'l. spec. no.) (ten	isile strength) ~ ~ ~ ~ ~ (SRN) (year built)
ASME Code, Section III, Division	" " = 1944 1971 ""	UMMER 1975 1	**171+ W
	(edition) $\mu \nu$	(addenda date) (clas	
Fabricated in accordance with Cons	it. Spec. (Div. 2 only) 3/2451	Revision	- Date _
_		(no.)	
Remarks			
Nom. thickness (in.) Min.		Dia. ID (ft & in.) - Leng	th overall (ft & in.) -
When applicable, Certificate Holder	is' data reports are attached for	or each item of this report.	· · · · · · · · · · · · · · · · · · ·
Part or Appurtenance	National	Part or Appurtenance	National
Serial Number	Board No.	Serial Number	Board No.
/1) >700104 FB 0488	in Numerical Order		in Numerical Order
(i) N93184-57-0175	(26)		
(2) N93184-57-0176	(27)		
(3) N93184-57-0177	(28)		
(4)	(29)		-
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(when applicable)

^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 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.

* Factory Mutual System

CERTIFICATE OF DESIGN
Design specifications certified by C.T. NIEH P.E. State CA Reg. no. 15587 (when applicable)
Design report* certified by P.H. State Reg. no
CERTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct and that this (these) Conforms to the rules of construction of the ASME Code, Section III, Division 1. **
NPT Certificate of Authorization No. N-1877 Expires 30 Sep. 2001 AGC Date Date 28 AUG 98 Signed Crosby Valve Inc. by Brith Crosby (NPT Certificate Holder) (Authorized Representative)
(NPT Certificate Holder) (Authorized Representative)
CERTIFICATE OF INSPECTION
1, 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 Protection Mutual Insurance Co. Norwood, Massachusetts have inspected these items described in this Data Report on have inspected these items described in this Data Report on have inspected these items described in this Data Report on have inspected these items described in this Data Report on have inspected these items described in this Data Report on has fabricated these parts or appurtenances in accordance with the ASME Code, 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 Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection. **
Signed Low Down Commissions MA-1418 N (Anthorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CROSBY

CROSBY VALVE & GAGE COMPANY

**Revised 3/23/01 W\$/23/01 m 3/23/21

Q.C.-392 Form N-2

FORM N-2 N OR NPT 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

Pg I of I

Ma	nutactured for Penn	sylvania Power & Ligh (name and a	nt Co. Allentown, PA 18 ddress of purchaser)	101
Lo	cation of installation St	usquehanna SES Storer (name and a	oom Berwick PA 18603	
T.	•		•	
131	(drawing no.)	ASME SA193 GT. B6 (mat'l spec no.)	(tensile strength) (CRN)	1992
AS	ME Code, Section III	1071	(extig	**1711
	The Good Good III		No 1 Idenda) (class)	**17113/25/0 (Code Case no.)
Fat	oricated in accordance with	h Const. Spec. (Div. 2 only)	Revision (No.)	Date
Rer	narks:			
Non				
	n thickness fin \	Batta adapta a abitation and the se		
INVI	n. thickness (in.)	Min. design thickness (in.)	Dia, ID (ft. & in.)Len	ngth overall (ft. & fr.)
		Min. design thickness (in.) lolders' data reports are attached	•	ngth overall (ft. & in.)
			•	,
Whe	Part or Appurtenance	lolders' data reports are attached	•	ngth overall (ft. & in.) National Board No.
Whe	en applicable, Certificate H	lolders' data reports are attached	d for each item of this report:	National
Whe	Part or Appurtenance	National Board No.	d for each item of this report:	National Board No.
Who	Part or Appurtenance Serial Number	National Board No.	Part or Apurtenance Scrial Number	National Board No.
When (1)	Part or Appurtenance Serial Number K76731-32-0005	National Board No.	Part or Apurtenance Scrial Number (11)	National Board No.
(1) (2)	Part or Appurtenance Serial Number K76731-32-0005	National Board No.	Part or Apurtenance Scrial Number (11) (12)	National Board No.
(1) (2) (3)	Part or Appurtenance Serial Number K76731-32-0005	National Board No. In Numerical Order	Part or Apurtenance Scrial Number (11) (12)	National Board No.
Wh	Part or Appurtenance Serial Number K76731-32-0005	National Board No. In Numerical Order	Part or Apurtenance Scrial Number (11) (12) (13)	National Board No.
(1) (2) (3) (4)	Part or Appurtenance Serial Number K76731-32-0005	National Board No. In Numerical Order	Part or Apurtenance Scrial Number (11) (12) (13) (14)	National Board No.
What (1) (1) (2) (3) (4) (5) (6)	Part or Appurtenance Serial Number K76731-32-0005	National Board No. In Numerical Order	Part or Apurtenance Serial Number (11) (12) (13) (14) (15)	National Board No.
What 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Part or Appurtenance Serial Number K76731-32-0005	National Board No. In Numerical Order	Part or Apurtenance Sorial Number (11) (12) (13) (14) (15) (16)	National Board No.

FORM N-2 (back)

Mfr. Serial No. K76731-32-0005 + 0006

	CTDMTNY C		-			
	CERTIFICATIO	ON OF DESIGN				
Design specification certified		P.E. a	tale	CA	Res. No	1550
	(when applicable)					
Design report* certified by	W.D.Greenlaw	P.E. =	teto	MA	Reg. No	1478
<u>.</u> .	(when applicable)					'
1000						
* W.T. Jacoryce 3/2	3/0/ CERTIFICATE OF S	HOP COMPLIAN	NCE			
AGC //	nate –					
conform to the rules of constr	made in this report are correct uction of the AME Code, Section	t and that this	(Spez	o) Adj B	olt But	ton Ass
PI Certificate of Authorization		AL LAI.				
			,}	mpires	9/30/9:	2
1220 1- 20 - 92 Hes	Crosby Valve & Gage	Co. Signed		ween	100/	
	(NPT Certificate Holder)		(sut	borized r	epresenta	ive)
	CDD TIP CART		•			
	CERTIFICATE OF SE	OP INSPECTI	ON		•	
, the undersigned, holding a w	where we Macanhucatte	National Board o	f Boil	er and Pr		
tate that to the hest of my to	became misse trus described in	h this data repo	re on_	Unn	20,19	22 and
ppurtenances in accordance with A the date shown above.	h the ASME Code, Section III.	Each part liste	d bas	been auth	orized for	r stamping
r Signing this cortificate not	ither the immensor 1:					
					10 240 DE 1	
oncerning the equipment describ	bed in this data report, Furth	ermore, beither	the in	nspector :	nor bis em	mplied, ployer
oncerning the equipment describ sell be liable in any manner for monected with this inspection.	bed in this data report. Furth or any personal injusy or prope	ermore, beither erty damage or le	the in	nspector : any kind	nor bis em etisine f	mplied, ployer com or
sall be liable in any manner for	bed in this data report. Further any personal injury or prope	retwore, neither orty damage or le	the in	nspector : any kind	nor bis em etisine f	mplied, ployer com or
reall be liable in any namer for connected with this inspection.	or any personal injury or prope	rty damage or Le Factory Mu	the in ess of itual	nspector : any kind	nor bis em etisine f	mplied, ployer com or
reall be liable in any namer for connected with this inspection.	any personal injury or prope	rety damage or Le Factory Mu	the in ess of itual	spector; sny kind Syster	nor bis em erising fi R	ployer rom or
call be liable in any namer formected with this inspection. Ste 1-26-92 Signed 111 3 9 (Authorize	Commissions (Na	rty damage or Le Factory Mu	the in ess of itual	spector; sny kind Syster	nor bis em erising fi R	ployer rom or
reall be liable in any namer for connected with this inspection.	Commissions (Na	permore, beither orty damage or le Factory Mu MA 12 t'l Bd (incl. an	ess of itual	spector; sny kind Syster	erising for	ployer rom or

1. Owner	PPL Susque		C Date06/11/2001					
Two No	orth Ninth St., Allen	·· ·	1	Sheet	1 of	4		
2 Blant 9	Address Susquehanna Stear	m Flectric Static	on	Unit		TWO		
2. Plant	Name					.,,,		
PO Box 467	/ 707 Salem Blvd,	Berwick, PA	18603	SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.				
3. Work Performed by	Type Code Syn	Type Code Symbol None						
Two No	Authorization N	o	N/A					
	Address			Expiration Date		N/A		
4. Indentification of Sy	stem RE	ECIRC WATER	LOOPS AND	JET PUMPS	SYSTEM	, 264B, CLASS I		
	struction Code ASM ion of Section XI Utilize				Addenda, (* SEE C	N/A CODE EDITION PAG	ode Case E 4)	
6. Identification of Cor	nponents Repaired or F	Replaced and Repl	acement Compo	nents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)	
1) VALVE	BORG WARNER	63761	N/A	243F025B	1981	REPLACED	YES	
2) VALVE	YARWAY	C0654	N/A	243F025B	1990	REPLACEMENT	YES	
3) VALVE	BORG WARNER	15396	N/A	243F026B	1976	REPLACED	YES	
4) VALVE	YARWAY	C0724	N/A	243F026B	1990	REPLACEMENT	YES	
5) SMALL PIPE SUB ASSEMBL	BECHTEL	N/A	N/A	SPDCA250-1	1983	REPLACED	YES	
6) SMALL PIPE SUB ASSEMBL	PPL Y	N/A	N/A	SPDCA250-1	2001	REPLACEMENT	NO	
7) SMALL PIPE SUB ASSEMBL	PPL Y	N/A	N/A	SPDCA250-1	2001	REPAIRED	NO	
7. Description of Work		Danis		TACHED LIST.		(SEE PAGE 4	1	
8. Tests Conducted: NOTE: Suppler	Other Pres	of lists, sketches,	psi Tes	be used, provide		s 8½ in. x 11 in., (2	2) informa-	

recorded at the top of this form.

FORM NIS-2 (Back)

Remarks CODE DATA REPORT(S) ATTACHED.
Applicable Manufacturer's Data Reports to be attached
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this 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 N/A
Signed Date 20 , 20 0 /
Owner or Owner's Designee, Title Supv Site Modifications Group
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> of
In this Owner's Report during the period SEPT 15, 2000 to MARCH 29, 2001, 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.
Wil Carelluss Commissions NB7525 IBNA PAZI59
Inspector's Signature National Board, State, Province, and Endorsements
Date JUNE 21 20 0/
Date

1. Owner		PPL Susqueh			Date	06	5/11/2001	
	Two North	Ninth St., Allent	_	<u>1</u>	Sheet 2	of	4	
2. Plant	Sus	Address quehanna Stean	n Electric Statio	on	Unit		TWO	
	РО В	Name ox 467, Berwick,				SEE AT	TACHED LIST	
		Address			Repai		n P.O. No., Job No., etc.	
3. Work Pe	rformed by	PPL Sus	quehanna, LLC	<u> </u>	Type Code Symb	ool	None	
	Two North	Ninth St., Allent	own, PA 1810	1	Authorization No.		N/A	
		Address			Expiration Date		N/A	
4 Indentifi	cation of Syste	m RF	CIRC WATER	LOOPS AN	D JET PUMPS S	YSTEM.	264B, CLASS I	
5. (a) App (b) App	olicable Constru Dlicable Edition		ME Sec III * 19	71 Edition	Thru W'72	Addenda,		ode Case E 4)
	ame of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
	ALL PIPE PORT CLIP	BECHTEL	N/A	N/A	SPDCA250-H5004	1983	REPLACED	NO
-,	LL PIPE PORT CLIP	PPL	N/A	N/A	SPDCA250-H5004	2001	REPLACEMENT	NO
10) VAL	VE	BORG WARNER	14956	N/A	243025A	1976	REPLACED	YES
11) VAL	VE	YARWAY	C0660	N/A	243025A	1990	REPLACEMENT	YES
12) VAL	VE	BORG WARNER	14995	N/A	243026A	1976	REPLACED	YES
13) VAL	VE	YARWAY	C0793	N/A	243026A	1990	REPLACEMENT	YES
14) SMA SUB	ALL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPDCA223-4	1983	REPLACED	YES
15) SMA SUB	LL PIPE ASSEMBLY	PPL	N/A	N/A	SPDCA223-4	2001	REPLACEMENT	NO
16) LARG (FLANGE	GE PIPE BOLTING)	BECHTEL	N/A	N/A	VRR-B31-3	1983	REPLACED	YES
17) LARO (FLANGE	GE PIPE BOLTING)	PPL.	N/A	N/A	VRR-B31-3	2001	REPLACEMENT	NO
18) LARG	GE PIPE BOLTING)	BECHTEL	N/A	N/A	VRR-B31-4	1983	REPLACED	YES

1. Owner	wner PPL Susquehanna, LLC					06/11/2001			
	Two North	n Ninth St., Allen		1	Sheet	3	of	4	
2. Plant					Unit _	TWO			
PO Box 467, Berwick, PA 18603					SEE ATTACHED LIST Repair Organization P.O. No., Job No., etc.				
3. Work Performed by PPL Susquehanna, LLC Name					Type Co	Type Code Symbol None			
Two North Ninth St., Allentown, PA 18101					Authoriza	Authorization No.		N/A	
					Expiratio	Expiration Date		N/A	
4. Indentific	cation of Syste	m RE	CIRC WATER	LOOPS AN	D JET PUI	MPS S	YSTEM,	264B, CLASS I	
 (a) Applicable Construction Code ASME Sec III * 19 71 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 Identification of Components Repaired or Replaced and Replacement Components 						N'72 Addenda, N/A Code Case (* SEE CODE EDITION PAGE 4)			
6. Identifica	ation of Compo	onents Repaired or F	Replaced and Repl	acement Compo	onents				
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Othe Identifica	-	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
19) LARG (FLANGE		PPL.	N/A	N/A	VRR-B3	31-4	2001	REPLACEMENT	NO
20) LARG (FLANGE		BECHTEL	N/A	N/A	DCA24	1-1	1983	REPLACED	YES
21) LARG (FLANGE		PPL	N/A	N/A	DCA24	1-1	2001	REPLACEMENT	NO
22) SMAL SUB /	L PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPDCA2	16-2	1983	REPAIRED	YES

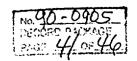
1. Owne	er	PPL Susquehanna, LLC	Date		06/11	1/2001
	Two North I	Ninth St., Allentown, PA 18101	Sheet _	4	of _	4
2. Plant	Susq	uehanna Steam Electric Station	Unit		T\	NO
	PO Box 467 / 70	7 Salem Blvd, Berwick, PA 18603	SEE AT	TACHED LIS	ST sization P.O	. No., Job No., etc.
3. Work	Performed by	PPL Susquehanna, LLC	Type Cod	e Symbol		None
	Two North I	Ninth St., Allentown, PA 18101	Authoriza	tion No.		N/A
		Audiess	Expiration	Date		N/A
1 Inde	ntification of System	RECIRC WATER LOOPS A	ND JET PUN	IPS SYST	EM, 26	4B, CLASS I
5. (a)	Applicable Construc	tion Code ASME Sec III * 19 71 Edition Fraction XI Utilized for Repairs or Replacements 1	on, Thru W	'72 Adde	nda, N	
6. lden	tification of Compon	ents Repaired or Replaced and Replacement Com	ponents			
ITEM(S)	WORK AUTH.	DESCRIPTION OF WORK	DESCRIP TES	TS		CODE EDITION/ADD (ASME SECT. III)
1-9	257014 & 107784	243F025A, 243F026A, SPDCA250-1 & SPDCA250250-H5004, REPLACED VALVES AND ASSOCIATED PIPE. REPAIRED PIPE BY GRINDING AND REPLACED SMALL PIPE CLIP.	NON VT-2 PE		REP	VALVE, '74 ED/W'74 ADD. PLACEMENT '86/NO ADD.
10-15	294483	243025A, 243026A & SPDCA223-4, REPLACED VALVES AND ASSOCIATED PIPE.	NON VT-2 PE	R MI-PS-008	REF	VALVE, '74 ED/W'74 ADD. PLACEMENT '86/NO ADD.
16-21	276825	VRR-B31-3, VRR-B31-4 & DCA251-1, REPLACED FLANGE BOLTING	VT-1 B NON VT-2 PE	OLTING R MI-PS-008		NSTRUCTION CODE FOR PIPING, '71 ED/S'72 ADD.
22	276651	SPDCA216-2, INSTALLED UNEQUAL LEG FILLET WELD	NON VT-2 PER			'71 ED/W'72 ADD.

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

Pa.	2	of	5	

				` '
1. Manufactured and	certified by Yarway	Corporation, Blue B	eTT, PA 19422 of N Certificate Holder)	
	Donna Dower &	Light Company, Alle		
2. Manufactured for	Penna. Fower o	Iname and address of Pure	chauer or Owner)	
	Susquehanr	na SES, Berwick, PA	18603	
3. Location of install	ation	(name and	address)	
	5615R-	F316L Drawing 109408	Rev. A	CRN
4. Model No., Series	No., or Type _DUIDD=	Drawing	1104.	
5. ASME Code, Sec	tion III. Division 1:	1986	1	
5. ASME COOR, SEC	don'n, bivision n	(edition) (addenda date	(class)	(Code Case no.)
6. Pump or valve	Valve Nom	ninal inlet size1	_ Outlet size1	•
		\$A=182 (in.)	(in.	•
7. Material: Body	Gr. F316L Bon	net Gr. F6a C7 Disk _	AMS5385E Boltin	ng N/A
·		SA-564 Gr. 630 ns-1	AJE) 9/18/90	
(a)	(b)	(c) 9-11-40	(d)	(e)
Cert.	Nat'l	Body	Bonnet	Disk
Holder's	Board	Serial _.	Serial	Serial
Serial No.	No.	No.	No.	No.
C0561		BA	2906	NCR
C0563		All valves liste	d on this report	have the same
C0573		heat code for ea	ch piece listed.	
C0581				
C0587				<u> </u>
C0604				
C0646				
C0671			-	
0680				
<u>0685</u>				
C0715				
C0716	_			<u> </u>
C0723				
C0724				
C0734			.,	
<u>C0746</u>				
C0763				
C07.64 C07.81				
C0795				
C0808				
C0809	•			
C0803				
C0819				
C0820				

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



(12/86)

^{*}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.

8. Remarks Nuclear Service Valves, Oty. 25	
Bonnet (column d) is replaced by backseat bu	shing in this valve design.
	_°F or valve pressure class1500
11. Hydrostatic test <u>4500</u> psi. Disk differential test pressu	ле рзі
CERTIFICATION OF DE	SIGN
Design Specification certified by Matthew Hober Jr. Design Report certified by George J. Loos	P.E. State PA Reg. no. 20118E P.E. State NJ Reg. no. 23225
CERTIFICATE OF SHOP COM	MPLIANCE
We certify that the statements made in this report are correct and that the of the ASME Code, Section III, Division 1. N Certificate of Authorization No	is pump or valve conforms to the rules for construction Expires11/14/92
Date 9-17-70 Name Yarway Corporation (N Certificate Holder)	Signed
CERTIFICATE OF SHOP INS	PECTION
I, the undersigned, holding a valid commission issued by the National the State or Province of Pennsylvania and of Norwood, MA* have inspecte SEPTEMBER 17, 19 90, and state that to the best of constructed this pump, or valve, in accordance with the ASME Code, Se	employed by Arkwright Mutual Ins. Co. d the pump, or valve, described in this Data Report on my knowledge and belief, the Certificate Holder has
By signing this certificate, neither the inspector nor his employer makes component described in this Data Report. Furthermore, neither the insperant personal injury or property damage or a loss of any kind arising from Date 9-17-90 Signed May Daily Commission (Authorized Inspector)	s any warranty, expressed or implied, concerning the ector nor his employer shall be liable in any manner for or connected with this inspection. *Factory Mutual System standard System 2006

(1) For manually operated valves only.

(Authorized Inspector)

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

Required by the Provisions of the Asiaic Code, Section in, Division 1

				Grand Branch	5 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 () 10 ()
1 Manufactured and	certified by Yarw	ay Corporation	, Blue Be	11, PA 194	22
		(na	me and address o	f N Certificate Holder	1)
2. Manufactured for	Penna. Power	& Light Compa	ny, Allen	town, PA 18	3101
		Iname and	address of Purcha	sser or Owner)	
3. Location of Install	lation Susqueha	nna SES, Berwi	ck, PA 1	8603	
			(name and ad	G(922)	•
4. Model No., Series	No., or Type _5615	3-F316L Drawing	109408	RevA_	CRN
E ASME Code Sec	tion III, Division 1: _	1986		1	
B. ASME COUR. SEC	(1011 111, 1017 181011 11	(edition)	(addenda date)	(class)	(Code Case no.)
6. Pump or valve	Valve N	ominal inlet size	1	Outlet size	1
		VII 200	(in.)		(in.)
7. Material: Body	Gr. F316L E	lonnet Gr. F6a C	1 - 2 Disk _ A	MS5385E	Bolting N/A
		SA-564 Gr. 6	COL MARKAN	15) 4/18/5-	
(a)	(b)	(c)	9-18-50	(d)	(e)
Cert.	Nat'l	Body	•	Bonnet	Disk
Holder's	Board	Seria	ı	Serial	Serial
Serial No.	No.	No.		No.	No.
C0577		BA		2906	NC NC
C0579		All valv	<u>es lis</u> te <u>d</u>	on this rep	ort have the same
C0597		heat code	<u>e for each</u>	piece list	<u>ed</u>
C0599					
C0600					<u> </u>
C0609				 	<u> </u>
C0625	_			····	
C0637	-				
C0638					
<u> </u>					.,,
C0651				·	
<u> </u>					
C0660					
C0691					
<u> </u>				·	_
C0713					
<u> </u>				1.00	
C0726 C0728					
C0730				······································	
C0742					
C0748	·			•	
C0748					
C0752					
C0753					

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

No. 40-0905 RECORD PACKAGE PAGE 40 OF 56

20-43

0 33 73

(12/86)

^{*} Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ × 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.

SHOP GROEN TRACT TO SERVE HOLDERS' (x36d) 15V9N MROT MENTER ACCIDENCE VALUE VALU

8. Remarks Nuclear Service Valves, Oty. 25
Bonnet (column d) is replaced by backseat bushing in this valve design.
9. Design conditions psioF or valve pressure class(pressure)oF or valve pressure class(pressure)
11. Hydrostatic test 4500 psi. Disk differential test pressure 3300 psi
CERTIFICATION OF DESIGN
Design Specification certified by Matthew Hober Jr F.E. State PA Reg. no. 20118E Design Report certified by George J. Loos P.E. State NJ Reg. no. 23225
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 Expires 11/14/92
Date 9-17-90 Name Yarway Corporation Signed CD Rave (authorized representative)
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 Pennsylvania and employed by Arkwright Mutual Ins. Co. of Norwood. MA* have inspected the pump, or valve, described in this Data Report on SEPTEN BER 17, 19 90, 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 kind arising from or connected with this inspection. *Factory Mutual System Commissions (Nat'l, 8d. (incl. endorsements) state or prov. and no.)

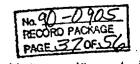
(1) For manually operated valves only.

REGISTER 89670 SHOP ORDER 72341 FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORTIFOR NUCLEAR PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1

		• .		al eliver.	. 7:	••
4 14	certified by Yarway	Cornoration.	. Rlue Bel	11. PA 19	3422	
1. Manufactured and	certified by	(nam	e and address of	N Certificate Ho	ider)	
	Penna. Power &					
2. Manufactured for	Tellina Coner a	Iname and a	ddress of Purcha	ser or Ovmer)		
	ation Susquehanna	SES. Berwic	k. PA 18	3603		
3. Location of install	ation		(name and add			
	_ EC1ED E	2161	• · · · · · · · · · · · · · · · · · · ·		Λ	
4. Model No., Series	No., or Type 5615B-F	Drawing _	103400	HeV	<u> </u>	CRN
		1986		1		
5. ASME Code, Sec		(edition)	(addenda date)	(clas		(Code Case no.)
	Valve vani	nal inlet size	19 1 0 y martis	Outlet cire	1	
6. Pump or valve	Valve Nomis	-SA-182	(in.)	Odilat size	(in.)	
7. Material: Body	Gr. F316L Boom	Gr. F6a Cl	-2 Bis A	MS5385E	Palting	N/A
/, Material: BOCY	S	A-564 Gr. 63	O no not	(ANZ)8/18/9		
(a)	· (b)	(c)	9-18-90	(d)		(e)
Cert.	Nat'l	Body	7-14 1 4	Bonnet		Disk
Holder's	Board	Serial		Serial		Serial
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(12/86)

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



^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ × 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.

8. Remarks Nuclear Service Valves, Oty, 9
Bonnet (column d) is replaced by backseat bushing in this valve design.
9. Design conditions psi oF or valve pressure class
11. Hydrostatic test 4500 psi. Disk differential test pressure 3300 psi
CERTIFICATION OF DESIGN
Design Specification certified by Matthew Hober Jr. See PA Reg. no. 20118E Design Report certified by George J. Loos P.E. State NJ Reg. no. 23225
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.
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 Pennsylvania and employed by Arkwright Mutual Ins. Co. of Norwood, MA* have inspected the pump, or valve, described in this Data Report on Sept. 17, 19 90, 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 intermer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. *Factory Mutual System Commissions (Authorized Inspector) Commissions (Authorized Inspector)

(1) For manually operated valves only.

1. Owne	r	PPL Susquel			Date	00	6/11/2001	<u>-</u>
	Two North	Ninth St., Allen	-	1	Sheet1	of	2	
2. Plant	Sus	quehanna Stean	n Electric Statio	on	Unit		TWO	
F	PO Box 467 / 7	707 Salem Blvd,	Berwick, PA	18603	Repa		ACHED LIST n P.O. No., Job No., etc.	
3. Work	Performed by _	PPL Sus	squehanna, LLO	<u> </u>	Type Code Sym	bol	None	
	Two North	Ninth St., Allent		1	Authorization No		N/A	
		Address			Expiration Date		N/A	
4. Inder	ntification of Syste	m	RECIRC. SEA	L WATER IN	JECTION SYST	EM 264	D, CLASS 2.	
5. (a) A (b) A	Applicable Constru Applicable Edition	ction Code ASN of Section XI Utilized	d for Repairs or Re		89	Addenda, (* SEE R	N/A CO	ode Case 9)
1	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)
	MALL PIPE UB ASSEMBLY	BECHTEL	N/A	N/A	SPDCB220-1	1983	REPLACED	YES
	MALL PIPE UB ASSEMBLY	PPL	N/A	N/A	SPDCB220-1	2001	REPLACEMENT	NO
	MALL PIPE JB ASSEMBLY	BECHTEL	N/A	N/A	SPDCB205-2	1983	REPAIRED	YES
1 /	MALL PIPE JBASSEMBLY	BECHTEL	N/A	N/A	SPDCB208-2	1983	REPLACED	YES
	MALL PIPE JBASSEMBLY	PPL	N/A	N/A	SPDCB208-2	2001	REPLACEMENT	NO
6) VA	ALVE	MAROTTA` SCIENTIFIC	234	496	B31-XV-2F003A (XV-243F003A)	1977	REPLACED	YES
7) VA	ALVE	MAROTTA SCIENTIFIC	375	1264	B31-XV-2F003A (XV-243F003A)	1983	REPLACEMENT	YES
7. Desc	ription of Work			SEE AT	TACHED LIST.			
8. Tests		ydrostatic Dther Pres	Pneumatic	Nomina psi Te	Il Operating Pressur	e 🗌 °F	(SEE PAGE 2))
NC	OTE: Supplemen	tal sheets in form o	of lists, sketches,	or drawings may	be used, provided	(1) size i	s 8½ in. x 11 in., (2	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)

2.5	ATTACHED. CODE OF CONSTRUCTION FOR MAROTTA SCIENTI Annilicable Manufacturer's Data Reports to be attached
VALVES SECTION III, 1974 EDITION	N WINTER 1974 ADDENDA.
	RTIFICATION 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 Expiration Date N/A
Signed Owner or Owner's Designee. Title Supv.	Site Modifications Group Date , 20 0
Supv	Site mounications Group
CERTIFIC	CATION OF INSERVICE INSPECTION
	sued by the National Board of Boiler and Pressure Vessel Inspectors and the State
JOHNSTON, RHODE ISLAND	employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described
in this Owner's Report during the period	to APRIC 7 2001, and state that er has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requireme	
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 inju inspection.	ury or property damage or a loss of any kind arising from or connected with this
Will the	Commissions NB 75 25 ZBNA PA 2159
Inspector's Signature	National Board, State, Province, and Endorsements
Date JUNE 21 20 01	_

264D-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 Susqueha	nna, LLC	Date		06/11/	/2001
	Two North	Ninth St., Allento	wn, PA 18101	Sheet _	2	_ of	2
2. Plant	Susc	quehanna Steam	Electric Station	Unit		TV	10
P	O Box 467 / 70	07 Salem Blvd, E	Berwick, PA 18603	SEE AT	TACHED L Repair Org	IST anization P.O.	No., Job No., etc.
3. Work P	Performed by	PPL Susq	uehanna, LLC	Type Code	e Symbol		None
	Two North	Ninth St., Allento	wn, PA 18101	Authorizat	ion No.		N/A
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Address		Expiration	Date		N/A
4 ladont	ification of Syster	, F	RECIRC. SEAL WATER	R INJECTION :	— SYSTEM	264D, C	CLASS 2.
5. (a) Ap	oplicable Construction of	ction Code ASME of Section XI Utilized	E Sec III * 19 71 Ed for Repairs or Replacements placed and Replacement Co	lition, Thru W's 19 89	72 Add	lenda, N	/A* Code Case RKS SECTION 9)
ITEM(S)	WORK AUTH./ WORK ORDER	CODE PROGRAM FORM	DESCRIPTION OF			T	IPTION OF ESTS
1-2	221461	99-264-008	SPDCB220-1, REPLACED P USING UNEQUAL LEG F	ILLET WELDS			PER MI-PS-008
3	276619	00-264-010	SPDCB205-2, REPAIR INSTALLING UNEQUAL LE	G FILLET WELD			PER MI-PS-008
4-5	276632	00-264-011	SPDCB208-2, REPLACED P USING UNEQUAL LEG F	IPE BY WELDING			PER MI-PS-008
7-8	258183	00-264-018	XV-243F003A, REPLA			NON VT-2	PER MI-PS-008

**-	(Name and Address of Pur usquehanna S (Name and Address) LVE	Nominal	Inlet Size 1" pi	lpe_ o	itlet Size 1"	pipe
o	N Certificate Holder's		(inc	h),	i i i i i i i i i i i i i i i i i i i	(inch)
(a) Model No., (b) (Series No.	Serial	Registration	(d) Drawing		(f) Nat'l.	
or Type	No.	No.	No.	(e) Class	Bd. No.	Built
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-9001/A31859B	SA182/F316		
2007 /2 FFC F7A	SA182/F316	Crucible	Poppet
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Construction of the ASME W74 Addenda W74 (Date) Signed Marotta SC (N Certificate of Autoriticate of Autorit	code for Nuclear rown. Code Case No. ientific Controls Holder) Ithorization No. CERTIFICAT at Marotta Scienti ss 1 only) on file at Marot fied by (1) Reg. No. 19875 E William Gold Reg. No. 20899 List name only. CERTIFICATE O	Inchy Would Vent to use the 'N' symb ION OF DESIGN fic Controls ta Scientific Control Loomer En F SHOP INSPECTION by the National Board of Boiler and second control of the National Board of Boiler and sec	ol expires 4/27/85 col expires 4/27/85 (Dorte) Pressure Vessel Inspect
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(Inspector)

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Name Two North Ninth St., Allentown, PA 18101 Sheet 1 of	None A
2. Plant Susquehanna Steam Electric Station Unit TWO PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 PCW # 229506, CRF # 00-2 Repair Organization P.O. No., Job N Name Two North Ninth St., Allentown, PA 18101 Authorization No. N/A 4. Indentification of System PRIMARY CONTAINMENT ATMOSPHERE CONTROL, 273A, CL S. (a) Applicable Construction Code ASME SecIII 19 80 Edition, thru W'80 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced Replacements Pairs Page Replacements Page Page Replacements Page Page Page Page Page Page Page Page	None A
PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 Address Repair Organization P.O. No., Job N Type Code Symbol Two North Ninth St., Allentown, PA 18101 Address Expiration Date N/A 4. Indentification of System PRIMARY CONTAINMENT ATMOSPHERE CONTROL, 273A, CL 5. (a) Applicable Construction Code ASME SecIII PRIMARY CONTAINMENT STMOSPHERE CONTROL, 273A, CL 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer National Board National Board National Board Other Year Repaire Replaced	None A
3. Work Performed by PPL Susquehanna, LLC Type Code Symbol Two North Ninth St., Allentown, PA 18101 Authorization No. N/Address Expiration Date N/A 4. Indentification of System PRIMARY CONTAINMENT ATMOSPHERE CONTROL, 273A, CL 5. (a) Applicable Construction Code ASME SecIII 19 80 Edition, thru W'80 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer No. National Board Other Year Replacement Replacement Components	A
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6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer National Repaired Replaced	Code Case
Name of Name of Manufacturer Board Other Year Replaced	
	d, or Stampe
1) VALVE DISC TARGET ROCK 75KK-211-11 N/A SV-25782A 1982 REPLAC	CED YES
2) VALVE DISC TARGET ROCK 1149 N/A SV-25782A 1997 REPLACED	MENT YES
3) VALVE TARGET ROCK 75KK-211-11 N/A SV-25782A 1982 REPAIR (VALVE)	ED YES
7. Description of Work Replaced valve Disc and Rewelded Bonnet 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure (* NON-VT-2 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.

FORM NIS-2 (Back)

9. Remarks MANUFACTURER'S DATA REPORT IS ATTACHED.	
Applicable Manufacturer's Data Reports to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this REPAIR & Conf	forms to the rules of the
A SME Code Seelier VI	
ASME Code, Section XI. repair or replacement	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration	N/A
and the Man	
Signed Date Date Date 22	, 20 <i>O</i> <u>{</u>
Super	
CERTIFICATION OF INSERVICE INSPECTION	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vess or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE	sel Inspectors and the State
or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE JOHNSTON, RHODE ISLAND have inspected the or	CO. of of of or other of of or other or
n this Owner's Report during the period APRIL /6 2000 to APRIL 23	200 / and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective med Owner's Report in accordance with the requirements of the ASME Code, Section XI.	asures described in this
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or im	polied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspe	ector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from An appection	or connected with this
	4
Inspector's Signature Commissions NS 7525 IBNA National Board, State, Prov	PA 2159
Inspector's Signature National Board, State, Prov	vince, and Endorsements
Date JUNE 22 20 01	

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 2

ASME Code, Section III, Division 1: 1980 / Winter 1980 / 2 None (edition) (addenda date) (class) (Code Case Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N (no.) Remarks: Main Disc Assembly Spare part for valve model no. 75KK-211, 75KK-212, 75KK-216 Nom. Thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & When applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance National Serial Number Board No.		(name and a	ddress of NPT Certif	icate Holder)	
Canada address Type 202337-1				3	
Type 202337-1	nstallation Susquel	hanna SES; Berwi	ick, PA 18603		
ASME Code, Section III, Division 1: 1980 / (edition) (addenda date) (class) (Code Cast (Code Cast) (Code Cast) (Code Cast) (Code Cast) (Remarks: Main Disc Assembly (No.) (No.		(nam	e and address)	•	
ASME Code, Section III, Division 1: 1980 / (edition) (addenda date) (class) (Code Cast (Code Cast) (Code Cast) (Code Cast) (Code Cast) (Remarks: Main Disc Assembly (No.) (No.	37-1 SA479	9 316	75 ksi		
(edition) (addenda date) (class) (Code Case) Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N (no.) Remarks: Main Disc Assembly Spare part for valve model no. 75KK-211, 75KK-212, 75KK-216 Nom. Thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & When applicable, Certificate Holders' Data Reports are attached for each item of this report. Part or Appurtenance Serial Number Board No. In Numerical Order NA (26) (27) (28) (29) (30) (30) (30) (30) (31) (32) (33) (32) (33) (33) (34) (35) (35) (35) (35) (36) (37) (38) (39) (39) (40) (41) (42) (43) (44) (44) (44) (44) (44) (44) (44	no.) (mat'l. sp	pec. no.)	(tensile strength)	(CF	RN) (year buil
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Spare part for valve model no. 75KK-211, 75KK-212, 75KK-216	•	. Spec. (Div. 2 only		Revision <u>N/A</u>	Date N/A
Nom. Thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & When applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance	Main Disc Assembly		···		
Nom. Thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & Viven applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance	Spare part for valve r	model no. 75KK-2°	11, 75KK-212, 75KH	(-216	
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) (48)	ber: Boa In Num	ard No. erical Order	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)	Imber	Board NO. In Numerical Orde
/ \ / /	ber: Boa In Num	ard No. erical Order	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)	Imber	Board NO. In Numerical Orde
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Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 REPRINT (7/91)

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

Certificate Holder's Serial Nos. 1142, 1149, 1158

CERTIFICATION OF DESIGN						
Design specifications certified by _	L.S. Loomer	P.E. State PA	Reg. No. <u>19875E</u>			
Design report* certified by	(when applicable) Not Applicable					
	(when applicable)					
	CERTIFICATE OF COMPL	IANCE				
We certify that the statements made conforms to the rules for construction	e in this report are correct and that on of the ASME Code, Section III	(()	Parts			
• • •		`				
NPT Certificate of Authorization No	. <u>N-1948</u>	Expires	12/12/98			
Date <u>12/15/97</u> Name	Target Rock (NPT Certificate Holder)	Signed R.E.S (autho	azier, Manager, Q.E. rized representative)			
	CERTIFICATE OF INSPE	CTION				
I, the undersigned, holding a valid and the State of Province of No of Boston, MA have and state that to the best of my know in accordance with the ASME Code, shown above. By signing this certificate, neither the the equipment described in this Dat manner for any personal injury or possible 12/15/17 Signed (Authorized)	ew York and eliminate of valve, des dedge and belief, the Certificate H. Section III, Division 1. Each part list inspector nor his employer make ta Report. Furthermore, neither the concepts damage or loss of any king perty damage or loss of any king the section in the concepts of any king the co	scribed in this Data Repolder has fabricated the steed has been authorized any warranty, expressing inspector nor his errord arising from or connections.	port on			

1. Owner	. Owner PPL Susquehanna, LLC				Date	06	6/11/2001	
	Two North	Ninth St., Allent		1	Sheet 1	of	4	
2. Plant	Sus	quehanna Stean		on	Unit		TWO	
PO	Box 467 / 7	707 Salem Blvd,	Berwick, PA 1	18603	Repai		ACHED LIST n P.O. No., Job No., etc.	·
3. Work Per	rformed by	PPL Sus	quehanna, LLC	<u> </u>	Type Code Symb	ool	None	
<u></u>	Two North	Ninth St., Allent	own, PA 18101	1	Authorization No.	·	N/A	
		7.4			Expiration Date		N/A	
4. Indentific	cation of Syste	m	MA	IN STEAM S	SYSTEM, 283A,	CLASS	II	<u> </u>
5. (a) Appl (b) App	licable Constru licable Edition	of Section XI Utilized	IE Sec III * 19 d for Repairs or Re	71 Edition eplacements 19	thru W'72 89	Addenda, (* SEE C	N/A Co	ode Case ≣ 4)
6. Identifica	ation of Compo	onents Repaired or R	teplaced and Repl	acement Compo	onents			
	me of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
	M/DISC EMBLY	YARWAY	5604	N/A	SP-DBB-204-2-64	1976	REPLACED	YES
	M/DISC EMBLY	YARWAY	TEZG-A3	N/A	SP-DBB-204-2-64	1999	REPLACEMENT	YES
	KSEAT HING	YARWAY	5604	N/A	SP-DBB-204-2-64	1976	REPLACED	YES
	KSEAT HING	YARWAY	HT # 5293	N/A	SP-DBB-204-2-64	1999	REPLACEMENT	NO
	M/DISC EMBLY	YARWAY	A0721	N/A	SP-DBB-201-2-56	1977	REPLACED	YES
	M/DISC EMBLY	YARWAY	TEZG-A2	N/A	SP-DBB-201-2-56	1999	REPLACEMENT	YES
	KSEAT HING	YARWAY	A0721	N/A	SP-DBB-201-2-56	1977	REPLACED	YES
7. Descript	tion of Work			SEE AT	TACHED LIST.			
8. Tests Co		lydrostatic Other Pres	Pneumatic sure	Nomina psi Te	al Operating Pressurest	e 🔲 °F	(SEE PAGE 4)
NOTE tion in	E: Supplemen	ital sheets in form o	of lists, sketches, of t is included on o	or drawings ma	y be used, provided I (3) each sheet is	(1) size i numbered	s 8½ in. x 11 in., (2 and the number of	?) informa- sheets is

recorded at the top of this form.

FORM NIS-2 (Back)

P. Remarks CODE DATA REPORT(S) ATTACHED.	
Applicable Manufacturer's Data Reports to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of	of the
ASME Code, Section XI. repair or replacement	
Type Code Symbol Stamp Ν/Δ	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration Date N/A	
Signed Date Lan 28 , 20 ° (
Owner or Owner's Designee, Title Supv Site Modifications Group	
CERTIFICATION OF INSERVICE INSPECTION	
l, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and	I the State
or Province of <u>PENNSYLVANIA</u> and employed by <u>FACTORY MUTUAL INSURANCE CO.</u> JOHNSTON, RHODE ISLAND have inspected the components descri	of
n this Owner's Report during the period <u>DEC</u> . /7 /999 to MARCH /3 Zoo (and s	state that
o the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described Owner's Report in accordance with the requirements of the ASME Code, Section XI.	in this
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning	ı the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo	over
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected witnessection.	th this
inspection.	
Commissions NB 7525 18NA PA 2159	
Inspector's Signature National Board, State, Province, and Endorse	ements
Date JUNE 21 2001	

1. Ov	ner	PPL Susquel			Date	06	6/11/2001	
	Two North	Nam Ninth St., Allent		1	Sheet 2	of	4	
2. Pla	int Sus	Address quehanna Stean		on	Unit		TWO	
	PO B	Name ox 467, Berwick,					TACHED LIST	
		Address			Repai	r Organizatio	n P.O. No., Job No., etc.	
3. Wo	ork Performed by _	PPL Sus	quehanna, LLO	<u> </u>	Type Code Symb	ol	None	
	Two North	Ninth St., Allent	own, PA 1810	<u> </u>	Authorization No.		N/A	
		Address			Expiration Date		N/A	
4. In	dentification of Syste	·m	MA	IN STEAM S	YSTEM, 283A,	CLASS	II	
5. (a	a) Applicable Constru b) Applicable Edition	ICHOIT COUC			Thru W'72	Addenda, (* SEE C	N/A Co	ode Case E 4)
	entification of Compo					,		ŕ
	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)
8)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	SP-DBB-201-2-56	1998	REPLACEMENT	NO
9)	STEM/DISC ASSEMBLY	YARWAY	A1077	N/A	HV-20108B	1977	REPLACED	YES
10)	STEM/DISC ASSEMBLY	YARWAY	TEZG-B5	N/A	HV-20108B	2000	REPLACEMENT	YES
11)	BACKSEAT BUSHING	YARWAY	A1077	N/A	HV-20108B	1977	REPLACED	YES
12)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	HV-20108B	2000	REPLACEMENT	NO
13)	STEM/DISC ASSEMBLY	YARWAY	5651	N/A	2RV-PSL-2N015D	1976	REPLACED	YES
14)	STEM/DISC ASSEMBLY	YARWAY	TEZG-C3	N/A	2RV-PSL-2N015D	2000	REPLACEMENT	YES
15)	BACKSEAT BUSHING	YARWAY	5651	N/A	2RV-PSL-2N015D	1976	REPLACED	YES
16)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	2RV-PSL-2N015D	1984	REPLACEMENT	NO
17)	STEM/DISC ASSEMBLY	YARWAY	5959	N/A	HV-20108A	1976	REPLACED	YES
18)	STEM/DISC ASSEMBLY	YARWAY	TEZG-C1	N/A	HV-20108A	2000	REPLACEMENT	YES

1. Ow	ner	PPL Susque			Date	0	6/11/2001	
	Two Nort	h Ninth St., Allen	town, PA 1810	1	Sheet	3 of	4	
2. Pla	nt Su	squehanna Stear		on	Unit		TWO	
	PO E	Box 467, Berwick,	PA 18603	 	R		TACHED LIST in P.O. No., Job No., etc.	
3. Wc	ork Performed by	PPL Sus	squehanna, LLC Name		Type Code Sy	mbol	None	
	Two Nort	h Ninth St., Allen	town, PA 18101	1	Authorization	No	N/A	
					Expiration Dat	e	N/A	
4. Inc	dentification of Syste	em	MA	IN STEAM S	YSTEM, 283A	, CLASS	II.	
5. (a	a) Applicable Constr b) Applicable Edition	uction Code ASI of Section XI Utilize	ME Sec III * 19 d for Repairs or Re		Thru W'72 89	_ Addenda, _ (* SEE C	N/A CODE EDITION PAGE	ode Case E 4)
6. lde	entification of Comp	onents Repaired or F	Replaced and Repla	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 Stampe d (Yes or No)
19)	BACKSEAT BUSHING	YARWAY	5959	N/A	HV-20108A	1976	REPLACED	YES
20)	BACKSEAT BUSHING	YARWAY	HT # 5293	N/A	HV-20108A	1998	REPLACEMENT	NO

•					
er	PPL Susquehanna, LLC	Date		06/1	1/2001
Two North	Ninth St., Allentown, PA 18101 Address	Sheet	4	_ of _	4
Susc	uehanna Steam Electric Station Name	Unit		T	WO
PO Box 467 / 70	O7 Salem Blvd, Berwick, PA 18603 Address	SEE ATT			D. No., Job No., etc.
Performed by	PPL Susquehanna, LLC	Type Code	Symbol	_	None
Two North	Ninth St., Allentown, PA 18101	Authorization	on No		N/A
		Expiration [Date		N/A
ntification of Systen	MAIN STEAM	SYSTEM, 28	BA, CLA	ASS II.	
					N/A* Code Case E EDITION BELOW)
tification of Compor	ents Repaired or Replaced and Replacement Con	nponents			
WORK AUTH.	DESCRIPTION OF WORK	TESTS	3		CODE EDITION/ADD (ASME SECT. III)
221353	SP-DBB-204-2-64, REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING	NON VT-2 PER	MI-PS-008	ORIG	VALVE, '74 ED/W'74 ADD. DISC '86/NO ADD.
189389	SP-DBB-201-2-56, REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING	NON VT-2 PER	MI-PS-008	ORIG	VALVE, '74 ED/W'74 ADD. DISC '86/NO ADD.
283044	HV-20108B, REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING	NON VT-2 PER	MI-PS-008	ORIG	VALVE, '74 ED/W'74 ADD. DISC '86/NO ADD.
318569	2RV-PSL-2N015D, REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING	NON VT-2 PER	MI-PS-008		VALVE, '74 ED/W'74 ADD. DISC '86/NO ADD.
319411	HV-20108A, REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING	NON VT-2 PER	MI-PS-008	ORIG	VALVE, '74 ED/W'74 ADD. DISC '86/NO ADD.
	Two North Susc PO Box 467 / 70 Performed by Two North Application of System Applicable Construct Applicable Edition of WORK AUTH. 221353 189389 283044 318569	Name	Name	Name	Name

17-20

FOR INFORMATION ONLY SALES ORDER NO _____ 2015457 WIP ORDER 5019652 FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES** As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production Pg. _1___ of _1_ Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 (name and address of NPT Certificate Holder) FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 Manufactured for ___ (name and address of purchaser) STOCK Location of installation ___ 3. (name and address) 1999 52,000 PSI MIN. AMS5385E (disc) 969155-06 (mat'l, seed, no.) NONE ASME Code, Section III: (Code Case no) (addenda date) Revision Date⁻ Fabricated in accordance with Const. Spec. (Div. 2 only) FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A. PRESSURE RETAINING PARTS FOR Remarks: YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS. Nom. thickness (in.) ____ Min. design thickness (in.) ____ Dia. ID (ft. & in.) ____ Length overall (ft. & in.) ____ When applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance National Board No. Part or Appurtenance National Board No. in Numerical Order Serial Number in Numerical Order Serial Number (26)TEZG-A26 TEZG-A1 (27)TEZG-A27 (2)TEZG-A2 (28)TEZG-A28 . TEZG-A3 (3)(29)TEZG-A29 TEZG-A4 (4)(30)TEZG-A30 (5)TEZG-A5 TEZG-A31 (31)TEZG-A6 (6)TEZG-A32 (32)(7)TEZG-A7 (33)TEZG-A33 TEZG-A8 (8)TEZG-A34 (34)(9) TEZG-A9 (35)(10)TEZG-A10 (36)TEZG-A11 (11)(37)(12) TEZG-A12 (38)(13)TEZG-A13 (39)(14)TEZG-A14 (15) (40) TEZG-A15 (41)(16)TEZG-A16 (42)TEZG-A17 (17)(43) (18)TEZG-A18 (44)(19)TEZG-A19 (20) (45)TEZG-A20 (46)(21)TEZG-A21 TEZG-A22 (47)(22)(48) (23)TEZG-A23 (49) (24)TEZG-A24 (50) TEZG-A25 (25)

at temp. *F N/A °F Hydro, test pressure psi. Temp. 10. Design pressure (when applicable) FOR ANSI CLASS 1500 VALVES

pplemental 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 suded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 (12/86)

FII OP SUP OF 25

FOR INFORMATION ONLY

Expires On: \??

FORM N-2 (back)

Mfr. Serial No. SEE FRONT **CERTIFICATION OF DESIGN** Design specifications certified by (SEE REMARKS) P.E. State _____ Reg. no. _ Design report* certified by P.E. State _____ CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that this (these) STEM AND DISC ASSEMBLY, 1 INCH conforms to the rules of construction of the ASME Code, Section III. NPT Certificate of Authorization No. Expires Name YARWAY CORPORATION 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 of Province of PENNSYLVANIA and employed by * ARKWRIGHT MUTUAL INSURANCE COMPANY and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. 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 his Data Report. Furthermore, nemer the appear in this inspection.

*FACTORY MUTUAL ENGINEERING ASSOCIATION this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or

_ Signed Lavo Whiteer

(Authorized Inspector)

PAGE 8 OF 25 PBG

Commissions NB 9541'N' PR 2389
(Natl. Bd. (incl. endorsements) state or prov. and no.)

WIP ORDER 5028781

Manufactured and certified by

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2026063

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

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

YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 (name and address of NPT Certificate Holder)

2.	Manufactured for FRA	MATOME TECHNOLOGIES	LYNC	HBURG, VA 24506 and address of purchaser)		
3.	Location of installationST	оск		· · · · · · · · · · · · · · · · · · ·		
4.	Type 969155-06 (drawing no.)	AMS5385E (disc) /	-	name and address) 52,000 PSI MIN. (tensile strength)	N/A (CRN)	2000 · (year built)
5.	ASME Code, Section III:	1986 (edition)	NON (adden)	IE /	(ciass)	(Code Case no.)
6.	Fabricated in accordance with Cons	t. Spec. (Div. 2 only)	(no.)	Revision	D	ate
7.	Remarks: FABRICATED IN A		TRUCT	ON DATA 969005 REV	/. A. PRESSURE R	ETAINING PARTS FOR
_ <u>Y</u>	ARWAY SERIES 5500 GLOBE VALV	VE. THE OWNER OR THEIR		SNEE SHALL BE RESI	PONSIBLE FOR RE	CONCILING THIS
_ <u>c</u>	ONSTRUCTION DATA WITH THE D	ESIGN SPECIFICATION FO	R THE	FACILITY USING THE	PARTS.	
8.	Nom. thickness (in.) N	lin. design thickness (in.)		Dia. ID (ft. & in.)	Length	overall (ft. & in.)
9.	When applicable, Certificate Holders	' Data Reports are attached f	or each	item of this report:		
•	Part or Appurtenance Senal Number	National Board No. In Numerical Order		Part or Appu Serial Nu		National Board No. in Numerical Order
() () () () ()	1) 2) 3) 4) 5) 6) 7) 3) 9) 1) 1)			(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)		FII OP SUP PBG
	Design pressure** **FOR ANSI CLASS 1500 VALVES	psi. Temp.	**	°F Hydro. test	•	N/A at temp. °F

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 scluded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form. This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

ri t/word/quality/N2NUCLR11.doc

(12/86)

FORM N-2 (back)

Mfr. Serial No. SEE FRONT **CERTIFICATION OF DESIGN** (SEE REMARKS) P.E. State ____ Design specifications certified by P.E. State Design report* certified by Reg. no. CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that this (these) STEM AND DISC ASSEMBLY, 1 INCH conforms to the rules of construction of the ASME Code, Section III. NPT Certificate of Authorization No. Expires Name YARWAY CORPORATION 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 of Province of PENNSYLVANIA and employed by FACTORY MUTTO christon, RI have inspected these items described in this Data Report on FACTORY MUTUAL INSURANCE COMPANY Johnston, RI and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection. Commissions PA 2389 W (Authorized Inspector)

PEG

5030524 WIP ORDER SALES ORDER NO FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES*** As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production Pg. __1_ of 1 Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 Manufactured for FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 STOCK Location of installation (name and address) 52,000 PSI MIN. 969155-06 AMS5385E (disc) N/A 2000 (matt. spec. no.) (tensile strength) ASME Code, Section III: 1986 NONE Fabricated in accordance with Const. Spec. (Div. 2 only) Revision Date Remarks: FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A, PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS. Norn. thickness (in.) ____ Min. design thickness (in.) ___ Dia. ID (ft. & in.) ____ Length overall (ft. & in.) ____ When applicable, Certificate Holders' Data Reports are attached for each item of this report National Board No. Part or Appurtenance National Board No. Part or Appurtenance Serial Number in Numerical Order Serial Number in Numerical Order TEZG-C1 / (1)(26)TEZG-C2 (2)(27)TEZG-C3/ (28)(3)(29)(4)TEZG-C4/ (30)(5)TEZG-C5/ (31)TEZG-C8 / (6)TEZG-C7 / (7) TEZG-C8/ (33)(8)(34)TEZG-C9 / (9) (35)TEZG-C10/ (10)(11)TEZG-c11 / (36)TEZG-C12/ (37)(12)TEZG-C13 / (38)(13)(39)TEZG-C14 / (14)TEZG-C15 / (40)(15)TEZG-C16 / (41)(16)(17) TEZG-C17 / (42)(18)TEZG-C18 (43)TEZG-C19 (44)(19)TEZG-C20 (45) (20)FTI (46)(21)TEZG-C21 (47)(22)TEZG-C22 op sup (23)TEZG-C23 (48)PEG (24)(49)AV94-D1 (50) 91-11-1G-F1 (25)at temp. °F psi, Temp. °F Hydro, test pressure N/A 10. Design pressure

pplemental 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 nicluded 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

**FOR ANSI CLASS 1500 VALVES

FORM N-2 (back)

		MIT. Sena	NO. SEE FRONT
	CERTIFICATION OF DE	SIGN ,	- .
Design specifications certified by	(SEE REMARKS)	P.E. State	Reg. no.
Design report* certified by	N/A (when applicable)	P.E. State	Reg. no.
	CERTIFICATE OF SHOP CON	APLIANCE	
We certify that the statements made in this reconforms to the rules of construction of the A	sport are correct and that this (these) _ SME Code, Section III.	STEM AND DISC ASSEMBL	JES, 1 INCH
NPT Certificate of Authorization No.	N-2450	Expires November	14, 2001
Date	ame <u>YARWAY CORPORATION</u> (NPT Certificate Holder)	Signed (authorize	r
	CERTIFICATE OF SHOP INS	PECTION	
the undersigned, holding a valid commission	n issued by the National Board of Boiler employed by <u>FACTOR</u>	and Pressure Vessel Inspectors / MUTUAL INSURANCE COMP.	and the State of Province of
f Johnston, RI have inspected	l these items described in this Data Rep	orton <u>06/22/00</u>	
and state that to the best of my knowledge and SAME Code, Section III. Each part listed has by signing this certificate, neither the inspecting Data Report. Furthermore, neither the insection of any kind arising from or connected with	s been authorized for stamping on the da or nor his employer makes any warranty spector nor his employer shall be liable i	ate shown above. r, expressed or implied, concernir	g the equipment described i
Date 16/33/50 Signed (Cau	\ P-(`)	Commissions PA238	9 'N'

TTI OP SUP PBG

1. Owner		PPL Susquel			Date	0	6/25/2001		
	Two Norti	h Ninth St., Allent	-	1	Sheet	of	1		
2. Plant	Sus	squehanna Stean		on	Unit	Unit TWO			
PO	PO Box 467 / 707 Salem Blvd, Berwick, PA 18603 Address				PCWO # 231032 Repair Organization P.O. No., Job No., etc.				
3. Work Performed by PPL Susquehanna, LLC				Type Code Sym	ibol	None			
				Authorization N	o	N/A			
		Address			Expiration Date		N/A	· · · · · · · · · · · · · · · · · · ·	
4. Indentifica	ation of Syste	em	Main Stea	m Isolation V	alve and Contro	ol, 283B,	Class 3.		
5. (a) Appli	cable Constr			71 Edition		Addenda,	C	ode Case	
, ,		onents Repaired or R							
	ne of ponent	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) PIPE SUI (CLIP)	PPORT	BECHTEL	N/A	N/A	SPHCC236- H5017	1983	REPLACED	NO	
2) PIPE SUI (CLIP)	PPORT	PPL	N/A	N/A	SPHCC236- H5017	2001	REPLACEMENT	NO	
3) PIPE SUI (CLIP)	PPORT	BECHTEL	N/A	N/A	SPHCC236- H5018	1983	REPLACED	NO	
4) PIPE SUI (CLIP)	PPORT	PPL	N/A	N/A	SPHCC236- H5018	2001	REPLACEMENT	NO	
5) PIPE SUI (CLIP)	PPORT	BECHTEL	N/A	N/A	SPHCC236- H5019	1983	REPLACED	NO	
6) PIPE SUI (CLIP)	PPORT	PPL	N/A	N/A	SPHCC236- H5019	2001	REPLACEMENT	NO	
7. Description of Work REPLACED PIPE SUPPORT SPD CLIP(S) 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure N/A Other Pressure psi Test °F									
tion in	Sunnlemer	Other Pres ntal sheets in form or ough 6 on this repor of this form.	of lists, sketches,	or drawings may	be used, provide	°F d (1) size i numbered	s 8½ in. x 11 in., (2 and the number of	2) informa- f sheets is	

FORM NIS-2 (Back)

9. Remarks	
Applicable Manufactures	er's Data Renorts to be attached
CERTIFICATION	OF COMPLIANCE
We certify that the statements made in the report are correct ASME Code, Section XI.	t and this REPLACEMENT conforms to the rules of the
ASME Code, Section AL.	repair or repracement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
0///	Date N/A
Signed Owner or Owner Designee, Title Supv Site Modifications Group	Date
CERTIFICATION OF IN	SERVICE INSPECTION
, the undersigned, holding a valid commission issued by the Nationa	
r Province of PENNSYLVANIA and employed by JOHNSTON, RHODE ISLAND	FACTORY MUTUAL INSURANCE CO. of
this Owner's Report during the period MARCH 21. 20	have inspected the components described to APRIL 12 2001, and state that
o the best of my knowledge and belief, the Owner has performed ex	xaminations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME C By signing this certificate neither the Inspector nor his employer r	Code, Section XI.
examinations and corrective measures described in this Owner's Re	eport. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property dam	nage or a loss of any kind arising from or connected with this
nspection.	
Inspector's Signature Commiss	sions NB 7325 IBNA PA 2159
Inspector's Signature	Sisions NB 7525 IBNA PA 2157 National Board, State, Province, and Endorsements
Date JUNE 26 20 0/	
7die	

1. Owner		PPL Susquel			Date	0	6/22/2001	
	Two Nort	h Ninth St., Allent	•	1	Sheet	of	1	
	_	Address	E O				TMO	
2. Plant	Sus	squehanna Stean	1 Electric Station	on	Unit		TWO	
РО В	ox 467 /	707 Salem Blvd,	Berwick, PA	18603			O, CRF # 01-283	
B. Work Performed by PPL Susquehanna, LLC Name				Type Code Sy	Type Code Symbol None			
Two North Ninth St., Allentown, PA 18101				Authorization	No	N/A		
Address					Expiration Dat		N/A	
4. Indentificat	ion of Syste	em	Auto P	ressure Blow	down System,	283E, CI	ass 3.	
		uction Code ASI of Section XI Utilized		74 Edition		_ Addenda,	N/A	Code Case
		onents Repaired or R				_		
Name Compo		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 (BALL)		CONTRAMATICS	84632-3-43 (VALVE)	N/A	241F036R	1976	REPLACED	YES
2) VALVE (BALL)		CONTRAMATICS	HT # A20185	N/A	241F036R	1986	REPLACEMENT	YES
								<u> </u>
	i.	ar An.						
							\$ ₂ .	
7. Description	of Work	W		Replac	ced Valve Ball			····
8. Tests Cond		Hydrostatic Pneumatic Nominal Operating Pressure NON VT-2 PER MI-PS-008 Other Pressure psi Test F						-PS-008
tion in it	ems 1 thro	ntal sheets in form or ough 6 on this report of this form.	f lists, sketches, of tis included on e	or drawings may each sheet, and	be used, provident (3) each sheet i	ed (1) size i s numbered	s 8½ in. x 11 in., and the number	(2) informa- of sheets is

FORM NIS-2 (Back)

CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration N/A Signed Owner or Owner's Degionee, Tribe Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSPECTED in APAIL O. 2001 and state 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 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 in accordance with the requirements of the ASME Code, Section XI. Commissions Commissions NB 75 25 18 NA A 23 5 National Board, State, Province, and Endorsement	
ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owner or Owner's Designee, Title Supv. Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND In this Owner's Report during the period APRIL 3 2001 In this Owner's Report during the period APRIL 3 2001 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 to make any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owner or Owner's Designee, Title Supv Site Modifications Group CERTIFICATION OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND In this Owner's Report during the period APRIL 3 2001 In this Owner's Report during the period APRIL 3 2001 Sysigning 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 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 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.	
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Certificate of Authorization No. N/A Expiration Date Date CERTIFICATION OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the part Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND In this Owner's Report during the period APRIL 3 ZOO! To APRIL C 2001 AND	
We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Certificate of Authorization No. N/A Expiration Date Date CERTIFICATION OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the part Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND The value of the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwner'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 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 respection.	
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We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed Owner or Owner's Designee, Title Type Code Symbol Stamp N/A CERTIFICATION OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the part Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. JOHNSTON, RHODE ISLAND In this Owner's Report during the period APRIL 3 2001 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 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.	
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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.	
	s
Inspector's Signature Commissions NB7525 1BNA PA2159 National Board, State, Province, and Endorsement	
Inspector's Signature National Board, State, Province, and Endorsement	
The state of the s	nte
	1110
Date J UNE 24 20 0/	

SO NP-80531 Item 2 (6) 86-0920 PO 5-52762-1, Item FORM N-2 N OR NPTCEAT NUCLEAR PARTS AND APPURTENANCES.

As Required by the Provisions of the ASME Code, Section III, Division 1 Not To Exceed One Day's Production

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Pa 1	_ol_	1
PD 8		_

V324

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Manufactured and certified by	served contromptics 222	Roberts Street	E. Hartford	CT 06108	
Manufactured and certified by	CONTINUACION ELL	prome and address	el certificate holden	lentown F	A 18101
Manufactured and certified by Manufactured for Pennsyl	vania Power & Light	CO. TWO NOTE	NINER SE. MI	Ve Suff	Down the spent of
2. Manufactured for <u>Fermisys</u> 3. Location of installation <u>Sus</u>	- Steam Fler	tric Station.	Salem Townshi	p Luzerne	County PA
3. Location of installationSUS	squenaina Sceam Czea	(name and ad	trace)		VA
4. Type 598-10-03	ASME-SA-479 T316	N/A: perside strangth mer 1976	(CRH)		trow build
5. ASME Code, Section III: 197	(edition)	(addends)	(Cress) : A		N/A
6. Fabricated in accordance with	h Const. Spec. (Div. 2 only).	{No }	evision N/A		
7. Remarks: Balls for 1	" Check Valve (repl	acement)			***
was a second of the second of					

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. tD (ft. & in.) N/A Length overall (ft. & in.) N/A

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 Number in Numerical Ord
3E219T-42	N/A	(26)	
3E219T-43	N/A	(27)	
3E219T-44	N/A	(28)	
3E219T-47	N/A	(29)	
3E219T-48	N/A	(30)	
3E219T-49	N/A	(31)	
		(32)	
		(33)	
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!		(50)	

800 340 Hydro, test pressure 160 psi Temp. 10. Design pressure

Seattle 1993	THE STATE OF THE PERSON	ALERTON THE MEST WEST ROSES AND ASSESSMENT OF THE SECOND S	
	CERTIFICATE OF DESIG	•	
Design specifications certified by John R	. Schmiedel	P. E. state PA	Reg. no. 19870E
Design report* certified by		P. E. state	Reg. no
	CERTIFICATE OF SHOP COM	PLIANCE ,	
We certify that the statements made in this repo	ort are correct and that this (these SME Code, Section III.) Balls	
ASME Certificate of Authorization no.	1935	Expires	86
Date 6-3-86 Name Control	natics (NPT Certificate Holder)	Signed Throng h	Harris serial res
	CERTIFICATE OF SHOP INS!	PECTION	
I, the undersigned, holding a valid commission	issued by the National Board of Lumbermans Mutual	CO.	ectors and the state or pro-
Lat Long Grove TII a have inspected th	less items described in this data	report on	and state that to the
best of my knowledge and belief, the Certifica	ite Holder has fabricated these p	arts or appurtenances in accord	ance with the ASME Code,
Castles III. Each part listed has been authoriz	ed for stamping on the date show	wn above.	
By signing this certificate, neither the inspec described in this data report. Furthermore, ne	tor nor his employer makes any lither the inspector nor his emplo	yer shall be liable in any manne	r for any personal injury or
property damage or loss of any kind arising for	rom or connected with this inspe	ction.	
Date 6-3- & Signed Lines	Graun	Commissions CL 54	torsemental state of Urb. 1 . OG.)

SALES ORDER NO 2025565 WIP ORDER 5030524 FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES*** As Required by the Provisions of the ASME Code, Section III Pg. 1 of 1 Not to Exceed One Day's Production Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 Manufactured for (name and address of purchaser STOCK Location of installation (name and address) 2000 52,000 PSI MIN NA 969155-06 AMS5385E (disc) (mat'l, soot, no.) NONE ASME Code, Section III: Fabricated in accordance with Const. Spec. (Div. 2 only) FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A, PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS. ____ Length overall (ft. & in.) ____ Min. design thickness (in.) Dia, ID (ft. & in.) ___ Nom. thickness (in.) _____ When applicable, Certificate Holders' Data Reports are attached for each item of this report: National Board No. Part or Appurtenance National Board No. Part or Appurtenance Serial Number in Numerical Order in Numerical Order Serial Number (26)TEZG-C1 / TEZG-C2 (27)(2)(28)TEZG-C3/ (3)(29)TEZG-C4/ (4) (30) TEZG-C5/ (5)TEZG-C8 / (6)(32)TEZG-C7 (7) (33)TEZG-C8 / (8) TEZG-C9 / (9)TEZG-C10/ (10) (36)TEZG-c11 / (11)TEZG-C12 / (37)(12) (38)TEZG-C13 (13)(39)TEZG-C14 / (14)(40)TEZG-C15 / (15)**(41)** TEZG-C16 / (16)(42)(17) TEZG-C17/ (43)TEZG-C18 (18)(44)(19) TEZG-C19 (45)TEZG-C20 (20) FII (46)TEZG-C21 (21) $\{47\}$ OP SUP TEZG-C22 (22)(48)TEZG-C23 (23)PEG (49) (24)AV94-D1 (50) 91-11-1G-F1 at temp. F N/A °F Hydro, test pressure psi, Temp.

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 cluded 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 Crive, Box 2300, Fairfield, NJ 07007-2300

(when applicable)

10. Design pressure

(12/86)

**FOR ANSI CLASS 1500 VALVES

FORM N-2 (back)

Mfr. Serial No. SEE FRONT

Design specifications certified by	(SEE REMARKS)	P.E. State	Reg. no.
Design report* certified by	(when applicable) N/A (when applicable)	P.E. State	Reg. no.
	CERTIFICATE OF SHOP COMPLI	ANCE	
We certify that the statements made in this conforms to the rules of construction of the	e report are correct and that this (these) ASME Code, Section III.	STEM AND DISC ASSEME	BLIES, 1 INCH
NPT Certificate of Authorization No.	N-2450	Expires Novembe	r, 14, 2001
Ab L Country of virturity and inc.			
	Name YARWAY CORPORATION (NPT Certificate Holder)	Signed (suther	(2ad representative)
	Name YARWAY CORPORATION	-	zad representative)
Date 6/23/00	Name YARWAY CORPORATION (NPT Certificate Holder) CERTIFICATE OF SHOP INSPEC	TION Pressure Vessel Inspector	s and the State of Province of
the undersigned, holding a valid commission of Johnston, RI have inspected and state that to the best of my knowledge	Name YARWAY CORPORATION (NPT Certificate Holder) CERTIFICATE OF SHOP INSPEC- sion issued by the National Board of Boiler and and employed by FACTORY MI that these items described in this Data Report to and belief, the Certificate Holder has fabricate	Pressure Vessel Inspector JTUAL INSURANCE COM on <u>OA 1 23 / 30</u> d these parts or appurtensultinum above.	s and the State of Province of PANY
I, the undersigned, holding a valid commission of Johnston, RI have inspectand state that to the best of my knowledge ASME Code, Section III. Each part listed in the	Name YARWAY CORPORATION (NPT Certificate Holder) CERTIFICATE OF SHOP INSPEC- sion issued by the National Board of Boiler and and employed by FACTORY MI ted these items described in this Data Report of and belief, the Certificate Holder has fabricate has been authorized for stamping on the date sector nor his employer makes any warranty, expector nor his employer shall be liable in an with this inspection.	Pressure Vessel Inspector JTUAL INSURANCE COM on	s and the State of Province of PANY noces in accordance with the ning the equipment described in injury or property damage or

FTI OP SUP PBG

PAGE 8 OF 29

FORM R-1 REPORT OF WELDED REPAIR

in accordance with provisions of the National Board Inspection Code

1. Work performed by		isquehanna, LLC	***	01-264-001
-	•	of repair organization)		(Form R No.) 226492
707	Salem Blvd, Berwick, PA	18603		(P.O. No., Job No. etc.)
2. Owner		PPL Susquehann	a, LLC	
	Two North Ninth S	treet, Allentown, PA	18101-1179	
3. Location of installati	on	^(address) Susquehanna S	eam Electric Statio	n
		Blvd, Berwick, PA	name) 18603	
4. Unit identification	Press Vessel Nam	e of original manufa	cturer Ar	merican Standard
	87M-98652-01-1 NB380			126B 1973 her) (year built)
6. NBIC Edition/Adder	nda: 199	3		1999 (addenda)
Original Code of Co	nstruction for Item: ASN	E Section VIII, Div 1	1971 Editio	n / Winter 1973 Addenda
_	Jsed for Repair Performed:	(name/section/division) ASME Section	/III, Div 1	(edition/addenda) 1971 Ed / Winter 1973 Ad
		(name/section/d	vision)	(edition/addenda)
7. Description of work:	Repail /4 Chairles drain	(use supplemental shee	et, Form R-4, if necessary)	
	, , , , , , , , , , , , , , , , , , ,			
8. Replacement Parts:	Attached are Manufacturer' completed for the following	if applied N/A s Partial Data Report items of this report: NONE	ts or Form R-3s pro	WP <u>150</u> psi pperly
		, data report type, mfr's name and		
9. Remarks:		"ROUTINE RE	PAIR	
and that all material, cons	ACH, certify that to the best truction, and workmanship on the ficate of Authorization No	his Repair conforms to 5449	l belief the statements the National Board I	Inspection Code. ires on 03-Nov-2002
	CERTIF	ICATE OF INSPECTION	ON	
DAVID DAVI	holding a valid C			Boiler and Pressure Vessel
Inspectors and certificate Factory Mutual Insurar inspected the work descri work complies with the a By signing this certificate the work described in this	of competency issued by the junce Company bed in this report on APRIL 2 epplicable requirements of the N in neither the undersigned nor in report. Furthermore, neither the erty damage or loss of any kind	risdiction of Penns Johnston, R 2. 2001 and state thational Board Inspection y employer makes any ne undersigned nor my arising from or connection	ylvania hode Island hat to the best of my k on Code. warranty, expressed employer shall be lia	and employed by have mowledge and belief this or implied, concerning able in any manner for ion.

1. Work performed by		PPL Susquehar	nna, LLC	01-	247-007
•		(name of repair orga		•	rm R No.)
Two_Ne	orth Ninth St., Aller	<u>ntown, PA 1810</u>	01	10769 (P.O. No., Job	
2. Owner		PPL St	usquehanna, LLC (name)		
	Two No	rth Ninth St., A	llentown, PA 1810	1	
3. Location of installation	on	,	ehanna Steam Ele	ectric Station	
	707		erwick, PA 18603		
4. Unit identification _	Pressure Vessel	(address Name of origi	nal manufacturer	Yuba	
	2-H-715-4-C	3008 tional Board No.)	PA 480717	2E104C	1976 (year built)
6. NBIC Edition/Adden	,,	1998 (edition)		1999 (addenda)	
Original Code of Cor	nstruction for Item:	ASME Sec		1974 Ed Summer	
Construction Code U	sed for Repair Perfo	•	SME Sec VIII Div I	1998 Ed	- 2000 Ad addenda)
7. Description of work:	Repaired areas o	of heat exchange	r by weld buildup & f upplemental sheet, Form R-4,	lush patch.	
	±1.	(use s	appenenta siect, i cini te 4,		
	Pressure To	est, if applied _	Note 1 nsi	MAWP7	40 psi
8. Replacement Parts:			-		<u> </u>
0. 1. op. 1. o	completed for the fol	lowing items of	this report:		
	(name of part, if	tern number, data report typ	e, mfr's name and identifying star	mp)	
9. Remarks: Note 1:	Surface and Volume				
	CE	RTIFICATE OF	COMPLIANCE		
I, COWARD B GER	CACH, certify the	at to the best of my	knowledge and belief	the statements in this rep	port are correct
and that all material, const			conforms to the Natio	nal Board Inspection Cod	de.
National Board "R" Certif Date 6/1, 200 /	icate of Authorization I PPL Susquehanna			on November 320	02
Date 477	(name of repair orga	nization)		thorized representative)	
	•	CERTIFICATE OI	INSPECTION		
I, DAVID DAVE				al Board of Boiler and Pr	ressure Vessel
Inspectors and certificate of	of competency issued b	y the jurisdiction	of Pennsylvania	and em	ployed by
Factory Mutual Insura	nce Company	_ofJohnsto	on, Rhode Island		have
inspected the work describ	oed in this report on	Peil 23 200	and state that to the	ne best of my knowledge	and belief this
work complies with the ap	plicable requirements	of the National Bo	ard Inspection Code.		
By signing this certificate,	neither the undersigne	d nor my employe	r makes any warranty,	expressed or implied, co	ncerning
the work described in this					nner for
any personal injury, prope					1
Date 32, 200	Signed /	(inspector)	Commissions /	VB 7525 /BNA (National Board (incl endors and jurisdiction, and n	cuicito), •
				and Junisticuon, altum	··/

1 XIV. II. was farmed by		PPL Susquel			01-247-014
Work performed by		(name of repair			(Form R No.) 872
Two	North Ninth St., Aller (address)				Job No. etc.)
2. Owner			Susquehanna, LLC (name)		
	Two No	orth Ninth St.	<u>, Allentown, PA 1810</u> ^{Idress)}	1	
3. Location of installa	ation		quehanna Steam Ele	ectric Station	
	707	7 Salem Blvd.	Berwick, PA 18603	<u> </u>	· · · · · · · · · · · · · · · · · · ·
	Pressure Vessel		^{ldress)} iginal manufacturer	Yuba	i
4. Unit identification	(boiler, pressure vessel)		PA 480711	2E104A	1976
5. Identifying nos.:	72-H-715-4-A (mfg serial no.) (Na	3006 ational Board No.)	(jurisdiction no.)	(other)	(year built)
6. NBIC Edition/Add	enda:	1998 (edition)		. 1999 (addenda)	
Original Code of C	Construction for Item:		Sec VIII Div I	1974 Ed Summe (edition/adde	
- :	Used for Alteration Pe	*	ASME Sec VIII Div I	1998	Ed - 2000 Ad ion/addenda)
		led reinforcing	(name/section/division) pad at 2" nozzle by we se supplemental sheet, Form R-4,	lding	ior vaccenday
7. Description of wor	K. Andradon mouse	(u	se supplemental sheet, Form R-4,	if necessary)	
				•	
	Pressure T	Test, if applied	NA psi	MAWP	psi
8. Replacement Parts:	: Attached are Manuf completed for the fo	acturer's Parti llowing items	al Data Reports or Form of this report:	m R-3s properly	
				· · · · · · · · · · · · · · · · · · ·	
					•
			ort type, mff's name and identifying sta	amp)	
0. Romorker	(name of part,	, item number, data rep	or type, mm a name and menorality an		
9. Remarks:					

DESIGN CERTIFICATION	
I, EDWARD 13 GER LACH, certify that to the best of my knowledge and belief the statements in this report are con and that the Design Change described in this report conforms to the Notional Record In many to the Notio	
and that the Design Change described in this report conforms to the National Board Inspection Code.	rrect
Notional Doord (D)? Ond Control of the state	-
Date 6/1, 200/ PPL Susque of Authorization No. 45 K-3444 expires on 1/3, 2007	<u></u>
Date 6/1, 200 / PPL Susquerianna (ucSigned Claveria Security) (name of design organization) (authorized representative)	_
CERTIFICATE OF DESIGN CHANGE REVIEW	
I, DAVID DAULAR, holding a valid Commission issued by The National Board of Boiler and Pressure Vest	_
FACIORY MUIUAL INSUPANCE (a of Tallice) OF	.*
reviewed the design change as described in this report and state that to the best of my knowledge and belief such change	<i>r</i> e
complies with the applicable requirements of the National Board Inspection Code.	
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning	
the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for	
any personal injury, property damage or loss of any kind arising from or connected with this inspection.	
	<u> </u>
(inspector) (National Board (incl endorsements), and jurisdiction, and no.)	•, •
CONSTRUCTION CERTIFICATION	
I, EDWARD B GERCACH, certify that to the best of my knowledge and belief the statements in this report are corrected that all material construction and workmarship on this Albertain.	ect
Notice and Parad (1972) C. (1972) And Workmanship on this Alteration conforms to the National Board Inspection Code.	
Date 6/1 , 2001 PPL Susquist Warned W. Signed Place 1 R. A. 1002	
Date 6/1 , 200 i PPL Susque HANNA UCSigned Llue (authorized representative)	
(4-non-top-octivate)	
CIEDATEIO AME ON DISTRICTORY	
CERTIFICATE OF INSPECTION	
I, DAVID DAULLARY holding a valid Commission issued by The National Board of Boiler and Pressure Vesse.	el
inspectors and certificate of competency issued by the jurisdiction of	
FACTORY MUTUAL INSURANCE Co. of JOHNSTON &I have	
inspected the work described in this report on APEIL 23 2001 and state that to the best of my knowledge and belief this	is
work complies with the applicable requirements of the National Board Inspection Code	ļ
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning	
the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for	
any personal injury, property damage or loss of any kind arising from or connected with this inspection.	
Date JUNE 22 2001 Signed dillaselles Commissions NB 7525 IBNA PA 215	9
(inspector) (National Board (incl endorsements),	
and jurisdiction, and no.)	

1 Most marformed by	PPL Susquehanna, LLC	01-	247-001, -004, -012
1. Work performed by	(name of repair organization)		(Form R No.)
Two North Ninth St.,	Allentown, PA 18101		264589 No., Job No. etc.)
2. Owner	ress) PPL Susqueha (name)	nna, LLC	
Tw	o North Ninth St., Allentow	n, PA 18101	
3. Location of installation	` '	Steam Electric Station (name)	
	707 Salem Blvd. Berwick, F	PA 18603	
B Vacan	(address)	mfocturer \	⁄uba
4. Unit identification Pressure Vessel		luiacturei	
5. Identifying nos.: <u>72-H-715-3-A</u>		480710 2E103A (other)	1976(year built)
(mfg serial no.)	(National Board No.) (juris		99
6. NBIC Edition/Addenda:	(edition)	(adde	•
Original Code of Construction for It	em: ASME Sec VIII Div		mmer 1974 Ad
Construction Code Used for Repair	Performed: ASME Se	ec VIII Div I 19	98 Ed - 2000 Ad (edition/addenda)
	eas of heat exchanger by wel	ld buildup & flush patch.	
7. Description of work	(use supplementa	al sheet, Form R-4, if necessary)	
Press	ure Test, if applied Note 1	psi MAWP	psi
8. Replacement Parts: Attached are M			
completed for 1	he following items of this rep	ort:	
completed for			
(пате	of part, item number, data report type, mfr's nan	ne and identifying stamp)	tost
9. Remarks: Note 1: Surface and V	olumetric weld examination pe	erformed in lieu of hydrostalic	; test.
	CERTIFICATE OF COMP	LIANCE	
I, ESWAND & BORLACH, CET	tify that to the best of my knowle	edge and belief the statements in	this report are correct
and that all material, construction, and wor	kmanship on this Repair confort	ns to the National Board Inspec	uon code.
National Board "R" Certificate of Authorit	zation No5449	expires on November 3	Z-2002
Date 6// , 200/ PPL Susque (name of)	ehanna, LLCSignedC epair organization)	(authorized representative)	
	CERTIFICATE OF INSPE	CTION	
I, DAVID DAVILARY, ho			ar and Pressure Vessel
Inspectors and certificate of competency is	scened by the jurisdiction of	Pennsylvania	and employed by
7 . 3.6 . 17	of Johnston Rhoe	de Island	- ·
inspected the work described in this report	on A/lil 23. 200 / and	d state that to the best of my kno	nave
I work complies with the applicable require	ments of the National Board Hist		nave
Decement this certificate neither the und		Dection Code.	nave owledge and belief this
T 4	ersigned nor my employer makes	s any warranty, expressed or im	nave whedge and belief this plied, concerning
the work described in this report. Further	nore, neither the undersigned nor	s any warranty, expressed or im r my employer shall be liable in	nave whedge and belief this plied, concerning
any personal injury, property damage or lo	nore, neither the undersigned nor oss of any kind arising from or co	s any warranty, expressed or importantly and the second or important and the second or importantly and the second or important	mave whedge and belief this plied, concerning any manner for
any personal injury, property damage or lo	nore, neither the undersigned nor oss of any kind arising from or co	s any warranty, expressed or importantly and the second or important and the second or importantly and the second or important	mave whedge and belief this plied, concerning any manner for

Work performed by		PPL Susquehar	nna, LLC	01-247-002,	, -005, -010, -015
• -		(name of repair orga	·	(Fo 26459	rm R No.)
Two North	Ninth St., Allen	town, PA 1810)1	(P.O. No., Job	
2. Owner		PPL St	usquehanna, LLC ·		
	Two No	rth Ninth St., A	llentown, PA 1810	1	
3. Location of installation		•	ehanna Steam Ele	ectric Station	
	707		erwick, PA 18603		· · · · · · · · · · · · · · · · · · ·
		(addres	•	Yuba	
T. Oldi lacitification	ssure Vessel r, pressure vessel)	Name of origi	inal manufacturer	Tuba	
J. Idelitii yiii iidd	-715-3-B	3004 tional Board No.)	PA 480715 (jurisdiction no.)	2E103B (other)	1976(year built)
6. NBIC Edition/Addenda:	serial no.) (Nat	1998	gunsulonon no.y	1999	
	. C. T.	(edition) ASME Sec	VIII Div I	(addenda) 1974 Ed Summer	1974 Ad
Original Code of Constr	action for Item:	(name/section		(edition/addenda)
Construction Code Used	for Repair Perfor	rmed: A	SME Sec VIII Div I (name/section/division)		- 2000 Ad /addenda)
7. Description of work: _	Repaired areas o	f heat exchange	er by weld buildup & 1	flush patch.	
7. D 600. pao 01 110 2		(use s	upplemental sheet, Form R-4,	if necessary)	
	Pressure Te	est, if applied _	Note 1 psi	MAWP7	40 psi
8. Replacement Parts: Atta	ched are Manufa	cturer's Partial	Data Reports or Fori	n R-3s properly	
com	pleted for the fol	lowing items of	this report:		
	·- ·- ·- ·- ·-				
	(name of nort it	em number, data report tv	pe, mfr's name and identifying sta	ump)	
9. Remarks: Note 1: Sur	face and Volume	tric weld examin	ation performed in li	eu of hydrostatic test.	
7. Romano.					
	CE	RTIFICATE OF	COMPLIANCE		
I EDWARD B GERL	ACH _, certify tha	at to the best of m	y knowledge and belie	f the statements in this re	port are correct
and that all material, construct	ion, and workmans	ship on this Repair	r conforms to the Natio	onal Board Inspection Co	de.
National Board "R" Certificat				on November 3,20	JU2
Date 6/1 , 2001	_PPL Susquehanna (name of repair orga	a, LLCSigne	a	uthorized representative)	· · · · · · · · · · · · · · · · · · ·
	•	CERTIFICATE O	F INSPECTION		
I, DAVID DAVLAR	, holding a	valid Commission	n issued by The Natior	nal Board of Boiler and P	ressure Vessel
Inspectors and certificate of	ompetency issued b	y the jurisdiction	ofPennsylvani	a and em	iployed by
Factory Mutual Insurance	Company	_ofJohnst	on, Rhode Island	1 1 (C 1 1 . 1 . 1 . 1	_have
inspected the work described	in this report on	eil 22, <u>200</u>	and state that to t	he best of my knowledge	and benefuls
work complies with the applic	able requirements	of the National Bo	oard inspection Code.	averaged or implied co	ncemina
By signing this certificate, nei	ther the undersigne	a nor my employe	er makes any wantanty	, expressed of hipried, of shall he liable in any ma	nner for
the work described in this repo any personal injury, property	on. rumnermore, n	etulet the underst ny kind arieina fr	om or connected with t	this inspection.	
I .	//	ny kind dyonig it	Commissions !	NB 7525 IBNA	PA 2159
Date JUNE 22, 2001	Signed	(inspector)	commissions/	(National Board (incl endor and jurisdiction, and r	rsements),
			/	and junsaledon, and i	10.)

1 IV-ul-morformed by		PPL Susqueha	nna, LLC		1, -016
1. Work performed by	(For	m R No.)			
Two Nort	h Ninth St., Allen	town, PA 181	01	264594 (P.O. No., Job N	
2. Owner	(address)	PPL S	usquehanna, LLC (name)	(1.0.110., 652.)	
	Two Nor	rth Ninth St., /	Allentown, PA 1810	1	
3. Location of installation		,	uehanna Steam Ele	ctric Station	
	707	Salem Blvd. E	Berwick, PA 18603		
		(addr	•	Yuba	
	ressure Vessel	Name of one	ginal manufacturer		
	H-715-3-C	3005	PA 480718 (jurisdiction no.)	2E103C (other)	1976 (year built)
(m	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	tional Board No.) 1998	(junsalction no.)	1999	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6. NBIC Edition/Addenda	I	(edition)		(addenda)	
Original Code of Cons	truction for Item:		c VIII Div I ion/division)	1974 Ed Summer 1 (edition/addenda)	
Construction Code Use	ed for Repair Perfo	•	ASME Sec VIII Div I	1998 <u>Ed</u> -	
Construction Code Osc			(name/section/division)	(edition/a	addenda)
7. Description of work:	Repaired areas o	f heat exchang	er by weld buildup & f supplemental sheet, Form R-4,	IUSN patcn. if necessary)	
			Note 1 psi	1722 2 7 1 2	40 psi
8. Replacement Parts: At	ttached are Manufa	cturer's Partial	Data Reports or Forr	n R-3s properly	
co	mpleted for the fol	lowing items o	f this report:		
			type, mfr's name and identifying sta	mn)	
o no anatom Noto 1: S	name of part, it urface and Volume	tric weld exami	nation performed in li	eu of hydrostatic test.	
9. Remarks: Note 1: S	unace and volume	are word examin			
	CE	DTIBLE ATE O	F COMPLIANCE		
				64h - etetementa in this ra	nort are correct
I, Edward B Ger and that all material, constru	ECACH, certify the	at to the best of r	ny knowledge and belied in conforms to the Nation	f the statements in this rep	de
and that all material, construe National Board "R" Certific	ete of Authorization	Silip oil ulis Kepa No	449 expires	on November 320	02
Date 6/1, Zool	ate of Audiorization	a LLC Sign	ned Edwar	IB Kerland	7
Date <u>011</u>	(name of repair orga		(31	nthorized representative)	
					
	(CERTIFICATE (OF INSPECTION		
I DAVID DAVLLAR	, holding a	valid Commissi	on issued by The Natior	nal Board of Boiler and Pr	ressure Vessel
Inspectors and certificate of	competency issued b	y the jurisdiction	n ofPennsylvani	aand em	ployed by
Factory Mutual Incurance	e Company	of Johns	ston. Rhode Island		nave
inspected the work describe	d in this report on 4/	eil 23, 200	and state that to t	he best of my knowledge	and benef this
work complies with the app	licable requirements	of the National E	Board Inspection Code.		
By signing this certificate, n	either the undersigne	ed nor my emplo	yer makes any warranty	, expressed or implied, co chall he lighte in any ma	nner for
the work described in this re	eport. Furthermore, n	leither the under	signed nor my employer from ar connected with t	snan oc naore in any ma this inspection	11101 101
any personal injury, propert		ary Killer and Sills I	Tomor connected with	URTES IRAID	002159
Date JUNE 22, 2001	Signed	(inspector)	Commissions	(National Board (incl endors	sements),
1		~~····································	_	and jurisdiction, and n	10.)

Work performed by			7-008, -013		
-		(name of repair org	•		rm R No.)
Two N	Iorth Ninth St., Allen	town, PA 181	01	27987 (P.O. No., Job I	
2. Owner	(auuress)	PPL S	usquehanna, LLC (name)		
	Two No	rth Ninth St., A	Allentown, PA 1810	1	
3. Location of installat	ion	Susqu	uehanna Steam Ele	ectric Station	
	707	Salem Blvd. B	erwick, PA 18603		
	Proceure Vendel	(addre		Yuba	
4. Unit identification	Pressure Vessel (boiler, pressure vessel)	Name of ong	inal manufacturer		
5. Identifying nos.:	72-H-715-4-A (Nat	3006 sonal Board No.)	PA 480711 (jurisdiction no.)	2E104A (other)	1976 (year built)
6. NBIC Edition/Adde	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1998 (edition)		1999 (addenda)	
Original Code of Co	onstruction for Item:	ASME Sec	VIII Div I	1974 Ed Summer 1	
_	Used for Repair Perform	(name/secti	on/division) SME Sec VIII Div I	(edition/addenda) 1998 Ed -) 2000 Ad
Construction Code			(name/section/division)	(edition/a	addenda)
7. Description of work	: Repaired areas o	f heat exchange (use	er by weld buildup & 1 supplemental sheet, Form R-4,	if necessary)	
	Pressure Te	est if annlied	Note 1 psi	MAWP74	40 psi
8. Replacement Parts:					1
8. Replacement ratis.	completed for the fol	lowing items of	f this report:		
	Completed for the re-		•		
N-4-4	(name of part, it		ype, mfr's name and identifying sta		
9. Remarks: Note 1	. Surface and volume	LIIC WEIG EXAITII	nation performed in it	od of flydroctado tool	
	CE	RTIFICATE O	F COMPLIANCE		
EDWARD B CO				f the statements in this rep	port are correct
and that all material, con	struction, and workmans	hip on this Repa	ir conforms to the Natio	onal Board Inspection Cod	de.
National Board "R" Cert	ificate of Authorization	No5	449 expires	on November 320	02
Date 6/1 , 200 1	PPL Susquehanna	n, LLCSign	ed Edward	uthorized representative)	<u></u>
				J	
	•	CERTIFICATE C	F INSPECTION		
L DAVIO DAV	, holding a	valid Commissio	on issued by The Nation	nal Board of Boiler and Pr	ressure Vessel
Inspectors and certificate	of competency issued b	y the jurisdiction	of Pennsylvani	a and em	ployed by
Factory Mutual Insur	ance Company	of Johns	ton, Rhode Island		have
inspected the work descr	ibed in this report on	eil 23, 20	on and state that to the	he best of my knowledge	and belief this
work complies with the a	applicable requirements	of the National B	oard Inspection Code.		
By signing this certificat	e, neither the undersigne	d nor my employ	er makes any warranty.	, expressed or implied, co	oncerning
the work described in thi	s report. Furthermore, n	either the unders	igned nor my employer	shall be liable in any ma	nner for
any personal injury, prop					1
Date JUNE 2, 2	Signed Chi	(inspector)	Commissions /	V3 Z525 7BNA (National Board (incl endors	sements),
				and jurisdiction, and n	w. <i>j</i>

		As Required	by the Provis	ions of the A	SIVIE Code Sec			
1. Owner		PPL Susqueh			Date	06	6/22/2001	
	Two North	Ninth St., Allent	•	1	Sheet1	of	1	.
2. Plant	Sus	Address quehanna Steam	Electric Statio	on	Unit		TWO	
РО	Box 467 / 7	Name '07 Salem Blvd,	Berwick, PA 1	8603			7, CRF # 01-293-001	
3. Work Pe	rformed by	Address PPL Sus	quehanna, LLC	<u> </u>	Type Code Sym	•	None	
		Ninth St., Allent	Name		Authorization No		N/A	
-		Address			Expiration Date			
4. Indentifi	cation of Syste	m	EMER	GENCY TRIE	SYSTEM, 293	G, CLAS	SS 2.	
							N/A Co	
5. (a) App	ilicable Constru ilicable Edition	of Section XI Utilized	for Repairs or Re	eplacements 19	89	(*SEE R	EMARKS SECTION	9)
		onents Repaired or R						
	nme of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe d (Yes or No)
	M/DISC	YARWAY	5892	N/A	1RV-PDT-20101A	1976	REPLACED	YES
2) STE	EMBLY M/DISC EMBLY	YARWAY	TEZG-C6	N/A	1RV-PDT-20101A	2000	REPLACEMENT	YES
3) BAC	KSEAT HING	YARWAY	5892	N/A	1RV-PDT-20101A	1976	REPLACED	YES
	KSEAT HING	YARWAY	HT # 5293	N/A	1RV-PDT-20101A	1984	REPLACEMENT	NO
					I			
				04	Diagonal Dooks	oot Buc	ning	
7. Descrip	tion of Work		керіас	e valve Stem	/Disc and Backs			
8. Tests C		Hydrostatic	Pneumatic	Nomina psi Te	al Operating Pressu	re [] (* NON-VT-2 Per MI-I :	PS-008)
tion	E: Supplemer in items 1 thro rded at the top	ough 6 on this repo	of lists, sketches, rt is included on	or drawings ma each sheet, and	y be used, provided (3) each sheet is	d (1) size numbered	is 8½ in. x 11 in., (a i and the number of	2) informa- f sheets is

FORM NIS-2 (Back)

CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration N/A Signed CERTIFICATION OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. for have inspected the components described in this Owner's Report during the period APPLIC C. 2007 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 Dware'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 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 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 inspection. Commissions IDS TOSE IBWA A 255 National Board, State, Province, and Endorsements and Endorsements.	9. Remarks N	MANUFACTURER'	S DATA REPORTS	S ARE ATTA	CHED. REPL	ACEMENT	PARTS FOR
CERTIFICATION OF COMPLIANCE We certify that the statements made in the report are correct and this REPLACEMENT repair or replacement ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration N/A Signed CERTIFICATION OF INSERVICE INSPECTION In 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. JOHNSTON, RHODE ISLAND In this Owner's Report during the period Pelic of Section XI. By signing this certificate neither the Inspector ro his employer makes any warranty, expressed or implied, concerning the marminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the marminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the marminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer name or a loss of any kind arising from or connected with this Inspector's Signature Commissions Martinal Board, State, Province, and Endorsements NAtional Board, State, Province, and Endorsements	YARWAY	VALVES, CODE C					
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed CERTIFICATION OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. have inspected the components described to APRIL 23 2001 and state that of the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and 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 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 inspection. Commissions MB 7525 IBNA A 255 National Board, State, Province, and Endorsements				· · · · · · · · · · · · · · ·	00 III 1000 LL	NO ADD.	
We certify that the statements made in the report are correct and this ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed CERTIFICATION OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. have inspected the components described to APRIL 23 2001 and state that of the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and 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 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 inspection. Commissions MB 7525 IBNA A 255 National Board, State, Province, and Endorsements							
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