

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8105080308 DOC. DATE: 81/05/04 NOTARIZED: NO DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387  
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388

AUTH. NAME: CURTIS, N.H. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.  
 RECIP. NAME: GRIER, B.H. RECIPIENT AFFILIATION: Region 1, Philadelphia, Office of the Director

SUBJECT: Interim deficiency report re Automatic Switch Co solenoid valves, initially reported on 810317. Solenoid valves installed contain internals which are susceptible to swelling & deterioration. Addl info by June 1981.

DISTRIBUTION CODE: B019S COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2  
 TITLE: Construction Deficiency Report (10CFR50.55E)

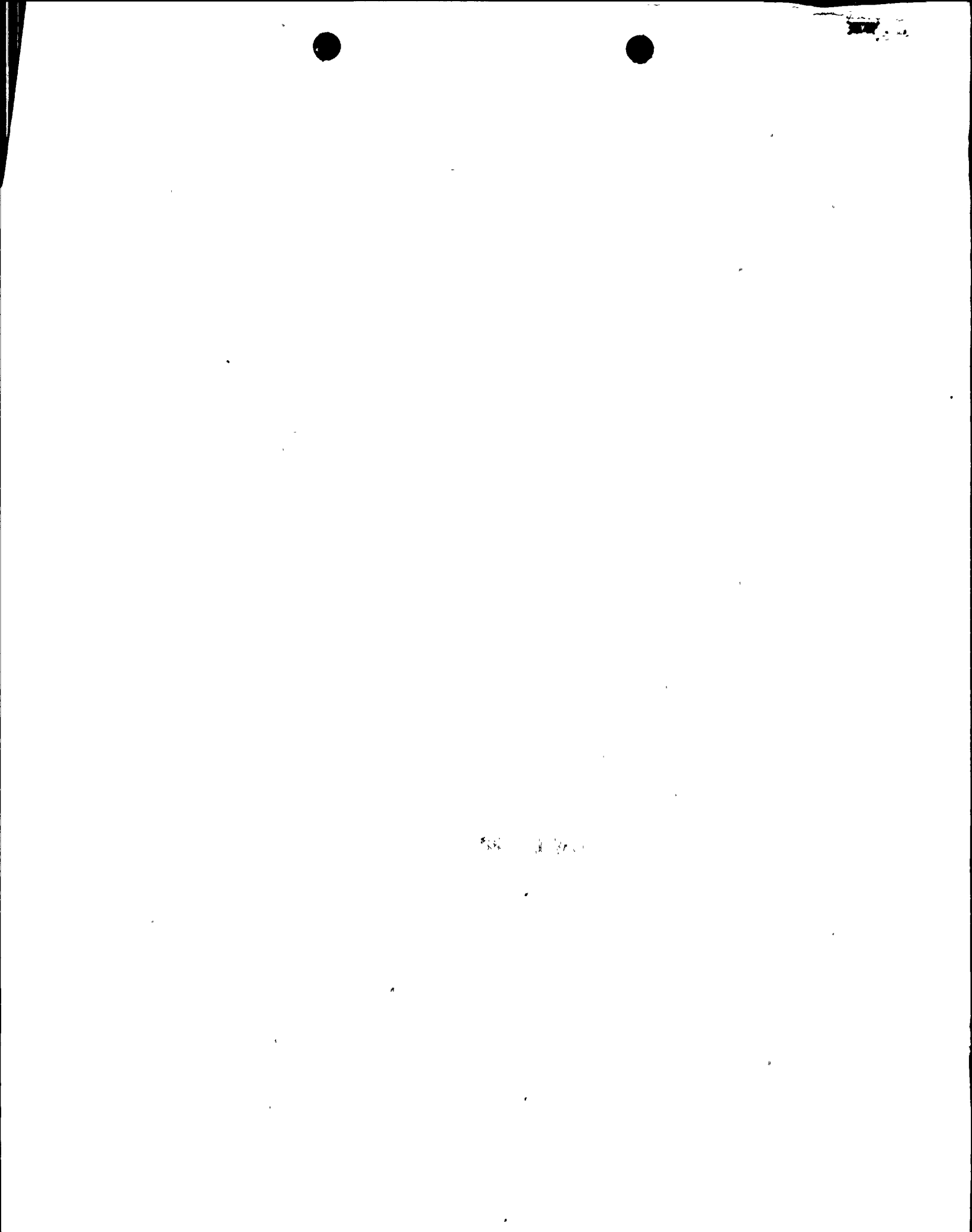
NOTES: Send I&E 3 copies FSAR & all amends. 05000387  
 Send I&E 3 copies FSAR & all amends. 05000388

ACTION:	RECIPIENT ID CODE/NAME		COPIES		RECIPIENT ID CODE/NAME	COPIES	
			LTTR	ENCL		LTTR	ENCL
ACTION:	A/D LICENSNG	04	1	1	LIC BR #2 BC	05	1
	RUSHBROOK, M.	06	1		STARK, R.	07	1
INTERNAL:	ASLBP/J. HARD		1	1	D/DIR HUM FAC	15	1
	EDU & STAFF	19	1		EQUIP QUAL BR	11	1
	HYD/GEO BR	22	1		I&E	09	1
	IE/EES		1		LIC QUAL BR	12	1
	MPA	20	1		NRC PDR	02	1
	OELD	21	1		PROC/TST REV	13	1
	QA BR	14	1		REG FILE	01	1
EXTERNAL:	STANDRDS DEV	21	1				
	ACRS	16	16	16	LPDR	03	1
	NSIC	08	1	1			

MAY 12 1981

MA 1

TOTAL NUMBER OF COPIES REQUIRED: LTTR 37 ENCL 0



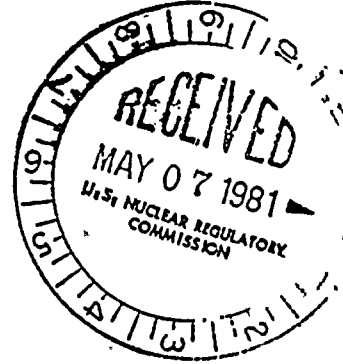
**PP&L**

TWO NORTH NINTH STREET, ALLENTOWN, PA. 18101      PHONE: (215) 770-5151

NORMAN W. CURTIS  
Vice President-Engineering & Construction-Nuclear  
770-5381

May 4, 1981

Mr. Boyce H. Grier  
Director, Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406



SUSQUEHANNA STEAM ELECTRIC STATION  
INTERIM REPORT OF A DEFICIENCY RELATING TO  
AUTOMATIC SWITCH COMPANY (ASCO) SOLENOID VALVES  
ERs 100450/100508                      FILES 840-4/821-10  
PLA-749

Dear Mr. Grier:

This letter serves to provide the Commission with an interim report of a deficiency involving Automatic Switch Company solenoid valves. The deficiency was originally reported by telephone to NRC Region I Reactor Inspector, Mr. L. Narrow, by Mr. A. R. Sabol of PP&L on March 17, 1981. During that conversation, Mr. Narrow was advised that the condition was being evaluated for reportability under the provisions of 10 CFR 50.55(e).

PP&L Nuclear Plant Engineering is currently investigating the condition and, based upon results to date, has determined the condition to be reportable under the provisions of 10 CFR 50.55(e).

Specifically, it has been determined that ASCO solenoid valves installed at Susquehanna SES, contain internals which are susceptible to swelling and deterioration when brought into contact with oils. Contamination of these solenoid valves has been experienced in the Reactor Building Chilled Water system. In this system, ASCO solenoid valves are used to control the operation of air-operated, containment isolation valves. These air operated containment isolation valves include a component used as a filter-lubricator-regulator (the source of the oil) which is contaminating these ASCO solenoid valve internals.

PP&L Nuclear Plant Engineering has determined that failure of the ASCO solenoid valves could result in a failure of the associated Reactor Building Chilled Water system isolation valves to close. Based upon a failure sequence of this nature, the deficiency, had it gone undetected, could have adversely affected safe operation of the plant.

3019  
3  
1/0

5  
8105080308

Mr. Boyce H. Grier

- 2 -

May 4, 1981

PP&L Nuclear Plant Engineering has further determined that similar conditions may exist in the Standby Gas Treatment and Liquid Radwaste Collection Systems.

Investigation is currently in progress to identify all ASCO solenoid valves which could be susceptible to an oil environment and to replace these valve internals with consideration toward information provided in NRC IE Information Notice No. 80-11.

Since the details of this report provide information relevant to the reporting requirements of 10 CFR 21, this correspondence is considered to also discharge any formal responsibility PP&L may have in compliance thereto.

We expect to provide additional information on this deficiency in June, 1981. We trust the Commission will find this report to be acceptable.

Very truly yours,



N. W. Curtis  
Vice President-Engineering & Construction-Nuclear

WHG:sab

cc: Mr. Victor Stello (15)  
Director-Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. G. McDonald, Director (1)  
Office of Management Information & Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. Gary Rhoads  
U. S. Nuclear Regulatory Commission  
P.O. Box 52  
Shickshinny, PA 18655

