

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 AUTHOR AFFILIATION
 CURTIS, N. H. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 GRIER, B. H. 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. Add info by June 1981.

DISTRIBUTION CODE: 8019S 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

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
ACTION:	A/O LICENSNG 04	1	LIC BR #2 BC 05	1 1
	RUSHBROOK, M. 06	1	STARK, R. 07	1 1
INTERNAL:	ASLBP/J. HARD	1	D/DIR HUM FAC15	1
	EDU & STAFF 19	1	EQUIP QUAL BR11	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
	STANDRDS DEV 21	1		
EXTERNAL:	ACRS 16	16 15	LPDR 03	1 1
	NSIC 08	1 1		

MAY 12 1981

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.

PENNSYLVANIA POWER & LIGHT COMPANY

3019
5
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

