

american warming
and ventilating, inc.

May 6, 1980

TO: U.S. Nuclear Regulatory Commission

ATTENTION: Director, Office of Inspection and Enforcement

FROM: American Warming & Ventilating, Inc.
1310 Indian Wood Circle
Maumee, Ohio 43537

SUBJECT: Notification of the Existence of a Defect(s)
per Title 10, Chapter 1, Code of Federal
Regulations - Energy, Part 21 Reporting of
Defects and Noncompliance

REPORTING AGENT:

NAME: Donald E. Sloan
Quality Assurance Manager

ADDRESS: American Warming & Ventilating, Inc.
1310 Indian Wood Circle
Maumee, Ohio 43537

IDENTIFICATION OF COMPONENT SUPPLIED:

AWV Model No. 8700 Back Pressure Steam Isolation Dampers
and AWV Model No's VC-41 & 70 Volume Control Dampers

IDENTIFICATION OF SUPPLIER:

American Warming & Ventilating, Inc.
1310 Indian Wood Circle
Maumee, Ohio 43537

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2005210316*

NATURE OF DEFECT(S):

Based on findings at the Limerick Generating Station by Bachtel Power Corporation and American Warming & Ventilating, Inc., personnel defects exist in the workmanship and design of some wiring connections.

DATE OF WHICH INFORMATION OF PROBLEM WAS OBTAINED:

May 2, 1980

AFFECTED PROJECTS/UNITS:

L- PROJECT - Limerick Generating Station, Units 1 & 2

OWNER - Philadelphia Electric Company

ENGINEERS/CONSTRUCTORS - Bachtel Power Corporation
San Francisco Power Division
Bachtel Job 8031

AWV JOB NO. - 90186

AWV EQUIPMENT - Model 8700's

DAMPER TAG NUMBERS SHIPPED:

BPD-201-21A	BPD-203-42A	BPD-501-68A
BPD-201-21B	BPD-203-42B	BPD-501-68B
BPD-201-22A	BPD-203-43A	BPD-502-104A
BPD-201-22B	BPD-203-43B	BPD-502-104B
BPD-201-23A	BPD-001-1A	BPD-502-118A
BPD-201-23B	BPD-001-1B	BPD-502-118B
BPD-202-67A	BPD-001-2A	BPD-503-1A
BPD-202-67B	BPD-001-2B	BPD-503-1B
BPD-201-68A	BPD-002-1A	BPD-503-3A
BPD-201-68B	BPD-002-1B	BPD-503-3B
BPD-202-104A	BPD-002-2A	BPD-503-4A
BPD-202-104B	BPD-002-2B	BPD-503-4B
BPD-202-118A	BPD-003-1A	BPD-503-9A
BPD-202-118B	BPD-003-1B	BPD-503-9B
BPD-203-1A	BPD-003-4A	BPD-503-10A
BPD-203-1B	BPD-003-4B	BPD-503-10B
BPD-203-3A	BPD-003-5A	BPD-503-16A
BPD-203-3B	BPD-003-5B	BPD-503-16B
BPD-203-4A	BPD-003-6A	BPD-503-17A
BPD-203-4B	BPD-003-6B	BPD-503-17B
BPD-203-9A	BPD-003-7A	BPD-503-20A
BPD-203-9B	BPD-003-7B	BPD-503-20B

(Limerick Cont'd.)

BPD-203-10A	BPD-003-8A	BPD-503-23A
BPD-203-10B	BPD-003-8B	BPD-503-23B
BPD-203-14A	BPD-009-1A	BPD-503-25A
BPD-203-14B	BPD-009-1B	BPD-503-25B
BPD-203-16A	BPD-100-2A	BPD-503-26A
BPD-203-16B	BPD-100-2B	BPD-503-26B
BPD-203-17A	BPD-100-3A	BPD-503-27A
BPD-203-17B	BPD-100-3B	BPD-503-27B
BPD-203-20A	BPD-100-4A	BPD-503-28A
BPD-203-20B	BPD-100-4B	BPD-503-28B
BPD-203-22A	BPD-101-1A	BPD-503-29A
BPD-203-22B	BPD-101-1B	BPD-503-29B
BPD-203-23A	BPD-101-2A	BPD-503-30A
BPD-203-23B	BPD-101-2B	BPD-503-30B
BPD-203-24A	BPD-101-3A	BPD-503-31A
BPD-203-24B	BPD-101-3B	BPD-503-31B
BPD-203-25A	BPD-400-2A	BPD-503-37A
BPD-203-25B	BPD-400-2B	BPD-503-37B
BPD-203-26A	BPD-400-3A	BPD-503-38A
BPD-203-26B	BPD-400-3B	BPD-503-38B
BPD-203-27A	BPD-400-4A	BPD-503-42A
BPD-203-27B	BPD-400-4B	BPD-503-42B
BPD-203-28A	BPD-401-2A	BPD-503-43A
BPD-203-28B	BPD-401-2B	BPD-503-43B
BPD-203-28A	BPD-401-3A	BPD-202-33A
BPD-203-29B	BPD-401-3B	BPD-202-33B
BPD-203-30A	BPD-401-4A	BPD-202-40A
BPD-203-30B	BPD-401-4A	BPD-202-40B
BPD-203-31A	BPD-501-21A	BPD-202-41A
BPD-203-31B	BPD-501-21B	BPD-202-41B
BPD-203-37A	BPD-501-22A	BPD-502-33A
BPD-203-37B	BPD-501-22B	BPD-502-33B
BPD-203-38A	BPD-501-23B	BPD-502-40A
BPD-203-38B	BPD-502-67A	BPD-502-40B
BPD-203-39A	BPD-502-67B	BPD-502-41A
BPD-203-39B		BPD-502-41B

TOTAL QUANTITY = 173 DAMPERS

2. PROJECT - Susquehanna Steam Electric Station, Units 1 & 2

OWNER - Pennsylvania Power & Light Company

ENGINEERS/CONSTRUCTORS - Bechtel Power Corporation
San Francisco Power Division
Bechtel Job 8856

AWV JOB NO. - 90125

AWV EQUIPMENT - Model 8700's

DAMPER TAG NUMBERS SHIPPED:

BDID17674A	BDID17652A	BDID27670A
BDID17674B	BDID17652B	BDID27670B
BDID17675A	BDID17659A	BDID27671A
BDID17675B	BDID17659B	BDID27671B
BDID17667A	BDID17653A	BDID27606A
BDID17667B	BDID17653B	BDID27605A
BDID17603A	BDID17609A	BDID27606B
BDID17603B	BDID17609B	BDID27605B
BDID17604A	BDID17669A	BDID27652A
BDID17604B	BDID17669B	BDID27652B
BDID17670A	BDID27674A	BDID27653A
BDID17670B	BDID27674B	BDID27653B
BDID17671A	BDID27675A	BDID27668A
BDID17671B	BDID27675B	BDID27668B
BDID17668A	BDID27667A	BDID27609A
BDID17668B	BDID27667B	BDID27609B
BDID17606A	BDID27603A	BDID27669A
BDID17605A	BDID27603B	BDID27669B
BDID17606B	BDID27604A	
BDID17605B	BDID27604B	

TOTAL QUANTITY = 58 DAMPERS

3. PROJECT - Midland

OWNER - Consumers Power Company

ENGINEERS/CONSTRUCTORS - Bechtel Power Corporation
Ann Arbor
Bechtel Job 7220 (P.O. #M-348)

AWV JOB NO. - 90236

AWV EQUIPMENT - Model VC-41's & VC-70's

DAMPER TAG NUMBERS SHIPPED (VC-70's Indicated, Others are VC-41's):

1XV-5320	1XV-5501B	0XV-6572B
2XV-6220	2XV-5501A	0XV-6628
1XV-5376A	2XV-5501B	0XV-6644
1XV-5376B	1XV-5506A	0XV-6633

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(Midland Cont'd.)

2XV-6276A	1XV-5506B	OXV-6608
2XV-6276B	2XV-5506A	OXV-6639
1XV-5305	2XV-5506B	OTV-6611
2XV-6205	1XV-5510	OTV-3090A
2TV-6269B (VC-70)	2XV-5510	OTV-3090B
OXV-5467	1XV-5514A	OXV-5498-1
OXV-5463A	1XV-5514B	OXV-5498-2
OXV-5463B	2XV-5514A	OXV-5498-3
1XV-5442	2XV-5514B	OXV-6667
1XV-5441	1XV-5520A	OTV-6832
2XV-5440	1XV-5520B	OTV-6833
2XV-5439	2XV-5520A	OTV-6845
1XV-5474	2XV-5520B	OTV-6807A
1XV-5475	OXV-6573A	OTV-6805F
2XV-5476	OXV-6573B	OTV-6804F
2XV-5477	OXV-6571A	OTV-6811F
OXV-5429	OXV-6571B	OTV-6807B
OXV-5436A	OXV-6579A	OXV-3067A
OXV-5436B	OXV-6579B	OXV-3067B
1XV-5501A	OXV-6572A	

TOTAL QUANTITY = 71 DAMPERS

CORRECTIVE ACTION:

1. ANV personnel have visited the Limerick jobsite and inspected a sampling of the dampers involved. The other jobsites have been notified but not visited as of this date.
2. Correct and calibratable crimping tools have been obtained and tests have been performed to evaluate and verify the performance of these tools.
3. ANV will, as determined applicable based on site inspection, originate an inspection/repair procedure. Conduct 100% inspection per this procedure and repair/replace/correct all defects/deficiencies found.

SIGNED: Donald E. Shea
 TITLE: Quality Assurance Mgr.
 DATE: May 6, 1980

cc: WBB, RLB, RLA, JMT,
RJM, DSL, TAT, SFC

Facility	Notification	Item or Event	Regional Action
Fuel Facility & Materials Safety (cont'd)			
Connecticut Yankee Atomic Power Co. Berlin, CT (DN 50-213)	Telephone from NRC-NMSS on 5/16	Licensee determined that a Model NFS-4 (NAC-1E) irradiated fuel shipping cask (certificate of compliance 6698) containing one irradiated fuel element may have been subjected to a heat load in excess of the certificate of compliance limit of 2.5 kw. The cask was shipped from the Haddam Neck Connecticut plant on May 1, 1980 and arrived at BMI - Columbus, Ohio on May 2, 1980. The cask is now located in the spent fuel pool at BMI-Columbus. No adverse effects were noted on the cask during shipment.	Followup per MC 86740.
Construction			
Shoreham (DN 50-322)	Letter from County Legislature, Suffolk County, NY	Representatives of RI are attending a hearing conducted by the Health Committee of the Suffolk County Legislature concerning the effects of operation of the Shoreham Nuclear Power Station on the health and safety of the public. Representatives of NRR and OELD are also attending the hearing.	Information only.
Susquehanna Units 1 and 2 (DNs 50-387 and 50-388)	5/16 Telephone from RRI	10 CFR 50.55(e) Report. PP&L is evaluating for reportability in accordance with 10 CFR 50, a Part 21 Report received from American Warming and Ventilating regarding defects in workmanship and design of some wiring connections in ventilation dampers. The principal problem is loose lugs on wires. This problem was first identified at Limerick Generating Station. This problem appears to be generic.	Followup per MC 2512.

General

Gary L. Snyder, Assistant to the Director, is in Headquarters today instructing a portion of the Fundamentals of Inspection Course.