

Washington Public Power Supply System

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REGION V IRE

July 24, 1985

G03-85-402

Docket No. 50-508

U. S. Nuclear Regulatory Commission, Region V
Office of Inspection and Enforcement
1450 Maria Lane, Suite 260
Walnut Creek, California 94596-5368

Attention: Mr. D. F. Kirsch, Acting Director
Division of Reactor Safety and Projects

Subject: WASHINGTON NUCLEAR PROJECT NO. 3
POTENTIAL 10CFR50.55(e) DEFICIENCY
DIESEL GENERATOR AIR DEFLECTORS, D/N #59

On June 24, 1985, the Supply System notified your office of a potential 10CFR50.55(e) deficiency concerning the subject condition. An investigation is in progress; however, sufficient data has not been received from the Vendor to determine the cause, corrective/preventive actions and safety significance. Therefore, a Supply System approved Interim Report is attached.

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U. S. Nuclear Regulatory Commission, Region V

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WASHINGTON NUCLEAR PROJECT NO. 3, POTENTIAL 10CFR50.55(e) DEFICIENCY,
DIESEL GENERATOR AIR DEFLECTORS, D/N #59

It is anticipated that a Final Report will be provided to your office by September 27, 1985. Should you have any questions or desire further information, please contact me directly.

Roger N. Williams

for A. D. Kohler
Acting WNP-3 Program Director

DRC/cae

Attachment: Interim Report

cc: Mr. J. A. Adams, NESCO
Mr. R. M. Boucher, Pacific Power & Light Company
Mr. W. L. Bryan, Washington Water Power Company
Mr. J. Crnich, Ebasco - Elma
Ebasco, Elma
Mr. J. R. Lewis, Bonneville Power Administration
Mr. R. V. Myers, Puget Sound Power & Light Company
Mr. D. Smithpeter, BPA
Mr. S. F. Swearngin, BPA
Mr. B. D. Withers, Portland General Electric Company
Document Control Desk - U. S. NRC

WASHINGTON NUCLEAR PROJECT NO. 3
(DOCKET NO. 50-508)
POTENTIAL 10CFR50.55(e) DEFICIENCY
INTERIM REPORT
DIESEL GENERATOR AIR DEFLECTORS
(D/N NO. 59)

DESCRIPTION OF THE DEFICIENCY

Louis Allis notified the Nuclear Regulatory Commission of a potential problem involving possible fractured or cracked welds on the Emergency Standby Generators. The Supply System was identified as an end user of two (2) such generators. These were fabricated by Louis Allis and purchased by the Supply System from Colt Industries as part of the Emergency Standby Diesel Generator Sets.

The welds in question secure the conical air deflectors to the three piece coil guards located at the outboard end of each generator. There are approximately sixty (60) 3/16" fillet welds, one (1) inch long, on three (3) inch centers on each generator. The inspection, as recommended by Louis Allis, consisted of a visual examination for possible cracks or fractures.

Subsequent to this notification, an inspection was performed on the welds in question. The result of the inspection showed evidence of some weld defects (e.g., crater pits, cracked tacks, improper weld termination, improper weld profile).

SAFETY IMPLICATIONS

The subject generators supply electrical power to the 4.16KV Class IE ESF Systems in the event of a loss of offsite power. A gross failure of the welds in question could result in the air deflector falling into the internal rotating portion of the generator while it is in service. Such an event, if it were to occur, could result in generator failure. To-date, it has not been determined whether the weld deficiencies could result in weld failure.

CORRECTIVE ACTIONS

The noted defects were documented on a Nonconformance Report and transmitted to the Vendor for disposition and determination of corrective action (if any). To-date, a response has not been received. Following receipt of information from the Vendor, appropriate corrective action will be taken and a Final Report will be submitted by September 27, 1985.