



# THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN

VICE PRESIDENT  
NUCLEAR

January 26, 1983

Mr. James G. Keppler  
Regional Administrator, Region III  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

RE: Perry Nuclear Power Plant  
Docket Nos. 50-440; 50-441  
Pipe Whip Restraint Bracket Welds  
for B21/B33 Systems [RDC 64(83)]

Dear Mr. Keppler:

This letter serves as the interim report pursuant to 10CFR50.55(e) on the potential significant deficiency concerning problems with the bracket welds for the Main Steam and Recirculation System Pipe Whip Restraints. This problem was identified to Mr. Pelke of the NRC Region III Office of Inspection and Enforcement on December 28, 1982, by Mr. E. Parker for The Cleveland Electric Illuminating Company.

## Description of Deficiency

Visual and Magnetic Particle inspection of the completed welds connecting the pipe whip restraint brackets to the drywell structural steel noted three welds with linear indications. Subsequent investigation into the cause of the indications identified that the bracket material was not compatible with the welding code and the pre-qualified procedure that was followed.

The pipe whip restraint brackets were supplied by the General Electric Company, NEBO (San Jose) with the applicable welding code (AWS) specified in their Installation Specification 22A2598. The brackets were installed by General Electric Installation and Service Engineering (GE I&SE) in accordance with their welding procedure, WPS 1.1.8.1, Rev. 3. This procedure is a pre-qualified AWS procedure, however, it is not acceptable for use on the welding of the brackets due to the difference in the thickness of the bracket material and the thickness of material that the procedure was qualified for. Additionally, material verification of the bracket identified that the material is ASTM-A105 which is not a pre-approved material by the AWS Code.

All twenty-two Recirculation System and seventeen Main Steam System Pipe Whip Restraints were installed prior to the identification of this deficiency. Installation of the five remaining Main Steam restraints has been stopped pending final evaluation.

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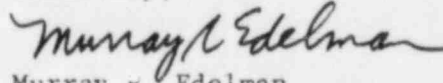
January 26, 1983

Corrective Action

The corrective action required to resolve this deficiency is presently being evaluated. GE I&SE and GE-NEBO are conducting a series of tests on the welds. Weld samples have been chemically and mechanically tested and all bracket welds are undergoing nondestructive examination. Evaluation of corrective action will be completed following analysis of the test results.

Our next report on this subject will be submitted by April 15, 1983.

Sincerely,



Murray K. Edelman  
Vice President  
Nuclear Group

MRE:pab

cc: Mr. M. L. Gildner  
NRC Site Office

Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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