



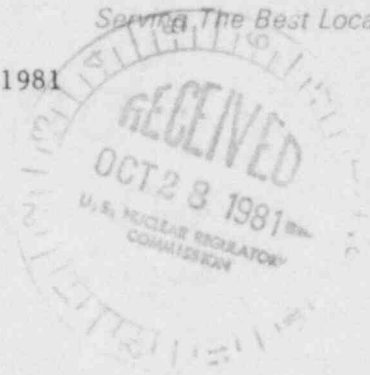
# THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

P.O. BOX 5000 • CLEVELAND, OHIO 44101 • TELEPHONE (216) 622-9800 • ILLUMINATING B' OG • 55 PUBLIC SC' ARE

Dalwyn R. Davidson  
VICE PRESIDENT  
SYSTEM ENGINEERING AND CONSTRUCTION

*Serving The Best Location in the Nation*

October 22, 1981



Mr. James G. Keppler  
Director of Region III  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
79<sup>th</sup> Roosevelt Road  
Glen Ellyn, Illinois 60137

RE: Perry Nuclear Power Plant  
Docket Nos. 50-440; 50-441  
Interim Report on Three (3)  
Sensitized Stainless Steel  
Pipe Spools (RDC 38(81))

Dear Mr. Keppler:

This letter serves as an Interim Report as required by 10CFR50.55(e) concerning three (3) stainless steel piping sub-assemblies containing spool pieces that had been bent hot without benefit of subsequent solution annealing. This was first reported by W. J. Kacer of The Cleveland Electric Illuminating Company to L. McGregor of your office on September 24, 1981.

This report includes a description of the deficiency, the corrective action completed to date and the planned method for completion of evaluation.

DESCRIPTION OF DEFICIENCY

Two ten-inch diameter, schedule 10, stainless steel piping spools were identified in the installation contractor's laydown area as being nonconforming due to surface corrosion. Upon further investigation by the fabricator and the Perry Project Organization, it was discovered that the spools were not solution heat treated after hot bending and in addition, the fabricator also identified a third stainless steel spool piece presently installed in Unit I that has similar thermal history. The Unit I spool is ten-inch diameter, schedule 40.

The above material was furnished under Pullman Power Products' contract (SP-527) for the fabrication and delivery of safety-class piping.

CORRECTIVE ACTION TAKEN

A corrective action request (CAR015) has been issued to document that Pullman Power Products was not carbide solution heat treated and water-quenched hot bent and increment bent stainless steel piping as required. No further shipments of piping were made from Pullman Power Products until the corrective action response was received and evaluated for acceptability. Pullman Power Products' response to the corrective action request has been accepted and closed out.

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The two Unit II spools were returned to the fabricator for solution heat treating, pickling, passivating and liquid penetrant testing of the bend areas. This work was performed in accordance with approved procedures and witnessed by our manufacturing surveillance quality specialist who performs inspection activities in Pullman Power Products' shop.

Pullman Power Products' Authorized Nuclear Inspector reissued a Code Data Report after all material was reviewed and accepted. Documentation of the necessary activities was obtained and incorporated in the document packages for these spools. The spools have subsequently been delivered to the site for installation.

The two Unit II spools, schedule 10, have been returned to an annealed condition such that the safety of the plant will not be affected.

#### COMPLETION OF EVALUATION

The Unit I spool, schedule 40, is completely embedded in concrete. The spool is in the Fuel Pool Cooling System. It connects to the stainless steel liner in the bottom of the reactor cavity pool and functions as a drain and fill for the pool.

Extensive evaluation is required to determine if the condition exists in the area of the spool to promote detrimental corrosion. Given that such corrosion can occur, an analysis is required to determine if the safety of the plant would be affected.

A minimum of two months for this analysis and final disposition of this spool is estimated to be required and we are presently planning to submit our final report on this problem by January 15, 1982.

Sincerely,

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

*Dalwyn R. Davidson for*

Dalwyn R. Davidson, Vice President  
System Engineering and Construction

DRD/llp

cc: NRC Site Office

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

U. S. Nuclear Regulatory Commission  
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