



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

September 16, 1982

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

Subject: LaSalle County Station
Unit 2 Electrical Penetration Assemblies
10 CFR 50.55(e) Interim Report 82-08
NRC Docket No. 50-374

Dear Mr. Keppler:

On August 17, 1982, Commonwealth Edison Company notified Mr. R. C. Knop of your staff of a potential problem with the LaSalle County Station Unit 2 Electrical Penetration Assemblies. The purpose of this letter is to provide an interim report in accordance with the provisions of 10 CFR 50.55(e).

Description of Deficiency

Each Electrical Penetration Assembly contains seven (7) round "epoxy" modules through which extra flexible cables are fed. The extra flexible cables were butt spliced by the manufacturer (Bunker Ramo) to seven (7) strand cables on both the inboard and outboard sides of the penetration.

Based on problems experienced by Consumers Power Company at their Midland Plant, a sample of four (4) butt splices which connected #2 AWG cables was tested. Two of the four splices failed to meet the 180 lb. pull-out force indicated in Underwriters Laboratories Standard UL 486A. The butt splice connecting the two #2 cables was uninsulated, indent-crimped once for each cable and stamped "2-AIR". Inspection of splices which connected #6 and #10 cables indicated the same configuration, i.e. an extra flexible cable spliced to a seven (7) strand cable. These butt splices were also uninsulated, indent-crimped once for each cable and stamped "6-AIR" (for #6 AWG) and "6 9YSB12 10" (for #10 AWG). No pull tests have been performed on either #6 or #10 cables at this time.

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Corrective Action

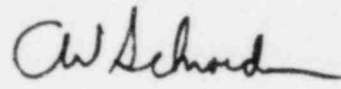
Commonwealth Edison Company Project Engineering is in the process of determining what additional testing is required on the splices. Discussion has been conducted with: Consumers Power Company, who have the same problem at Midland; Burndy, the manufacturer of the butt splices; ANCO Engineering, which acquired the product rights and documentation from Bunker Ramo when the Amphenol Sams Division went out of the penetration business. At present, no decisions have been made concerning the scope of the additional testing.

Schedule

Commonwealth Edison anticipates completion of testing in approximately three (3) months. Region III will receive a final report or updated schedule on or about December 27, 1982.

If there are any questions in this matter, please contact this office.

Very truly yours,

 9/16/82

C. W. Schroeder
Nuclear Licensing Administrator

cc: Director of Inspection and
Enforcement - Washington, DC
NRR Resident Inspector - LSCS