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DMB

October 6, 1983

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

Subject: Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
10 CFR 50.55(e) 30 Day Report
Anaconda Flexible Conduit
NRC Docket Nos. 50-454/455 and 50-456/457

Dear Mr. Keppler:

On September 9, 1983, the Commonwealth Edison Company Project Engineering Department notified Mr. M. Holzmer of your office of a deficiency reportable pursuant to 10 CFR 50.55(e) regarding the Anaconda flexible conduit at our Byron and Braidwood Stations. For your tracking purposes, this deficiency was assigned Number 83-11 for our Byron Station and Number 83-12 for our Braidwood Station.

This letter fulfills the thirty (30) day reporting requirements of 10 CFR 50.55(e) regarding this matter and is considered to be a final report.

DESCRIPTION OF DEFICIENCY

After completion of the Hot Functional Testing (HFT) at Byron Station Unit 1, the covering (jacket) of the Anaconda Type NWC flexible conduit used inside the containment was discovered to be split open on several installations. The purpose of this covering is to provide the flexible conduit with a liquid tight jacket.

Anaconda has informed the Commonwealth Edison Company that this problem could possibly be due to exceeding the specified bending radius of the conduit during installation. The induced stresses resulting from the excessive bending in combination with exposure to high temperatures during HFT may have caused the jacket to split.

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ANALYSIS OF SAFETY IMPLICATIONS

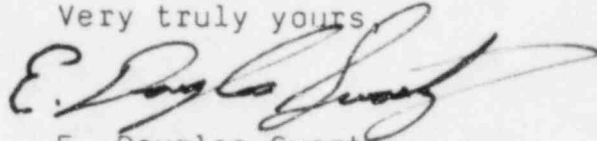
If this deficiency were to be left uncorrected, the split jacket would compromise the liquid tight integrity of the flexible conduit. Following an accident, this may affect the proper function of a Class 1E circuit housed in this conduit. In addition, the potential exists for this split jacket material to fall off the conduit and ultimately block the containment recirculation sump debris screens following a LOCA.

CORRECTIVE ACTION

All Class 1E circuits in the containment that require liquid tight flexible conduit will have the exposed conduit jacket covered by Okonite T-35 jacket tape. This is the same tape that is used on Okonite cable terminations and splices, and is qualified for the containment environment. The liquid tight jacketing on all other flexible conduit in the containment will be removed. As a result, there will be no exposed Anaconda flexible conduit jacket material in the containment. This corrective action will be completed prior to fuel load on all units.

Please address any questions that you or your staff may have concerning this matter to this office.

Very truly yours,



E. Douglas Swartz
Nuclear Licensing Administrator

cc: RIII Inspector - Byron
RIII Inspector - Braidwood

Director of Insp. and Enf.
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Washington, DC 20555

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