

Appendix A

NOTICE OF VIOLATION

Illinois Power Company

Docket No. 50-461

As a result of the inspection conducted on January 6 - February 2, 1981, and in accordance with the Interim Enforcement Policy, 45 FR 66754 (October 7, 1980), the following violations were identified:

1. 10 CFR 50 Appendix B, Criterion IX states in part, "Measures shall be established to assure that special processes...are accomplished...using qualified procedures in accordance with applicable codes, standards, specifications, criteria, ..."

Clinton PSAR Vol. 18, Appendix B, Section B.1.5.c and B.1.5.c.2 state in part, "Unformed construction joints were protected by...application of curing compound...Prior to resumption of placement, this surface was completely cleaned by sandblasting, chipping, or jackhammering."

Sargent & Lundy (AE) "Specification K2944 for Concrete and Grout Work" Sections 305.2c₁ and d₂ require construction joint surfaces to be sandblasted clean and free of all traces of laitance and curing compound. Sect. 308.3 requires chipping and cleaning of base slab to remove oil, grease, etc. Specification K2944 Table 108-1 commits to ACI 301-72 "Specification for Struct. Concrete"

ACI Standard 301-72 (Revised 1973) Sections 6.1.3 and 6.1.4.3 on construction joints, and Sections 11.7.5.4 and 11.7.8 on finish toppings require the surfaces to be roughened, scratched, all laitances removed, and thoroughly cleaned.

Contrary to the above, a 12 inch lift of concrete was poured in the Category I Diesel Generator Building floor without sandblast cleaning and removal of the curing compound from the construction joint surface.

This is a Severity Level V violation.

2. 10 CFR 50 Appendix B, Criterion VIII states, in part: Measures shall be established for the identification and control of materials, parts...These measures shall assure that identification of the item is maintained by heat number, part number, serial number, or other appropriate means, either on the item or on records traceable to the item, as required throughout fabrication, erection, installation, and use of the item.

Clinton PSAR Section 17.1.8.5 states, "Where specifically required by codes, standards, or specifications, the BA identification system shall

8103230/28

provide traceability of materials, parts, or components to heat numbers, or other appropriate identifiers."

Baldwin Associates Project Procedures Manual BAP 1.5, Paragraph 4.5, Plate Material, reads in part, "Safety-related plate material shall be marked with the heat number or the RIR number by an appropriate method... Transfer of such identification shall be accomplished prior to any cutting operations to be performed."

Baldwin Associates Project Procedures Manual BAP 3.3.6, Paragraph 6.4.2 states in part, "During this process (fabrication of Seismic Category I Supports) the RIR or Heat Numbers are transferred to the individual structural steel components of the hanger." Paragraph 6.5 (e) states, in part, "The Electrical Superintendent shall note on the QC Checklist, JV 668, the RIR or Heat Number, for each structural steel type utilized in the hanger." Paragraph 6.6.1.c states in part, "Quality Control shall verify that the RIR or Heat Numbers on the checklist agree with those marked on the structural steel components."

Contrary to the above, non-traceable steel plate material is installed in some electrical hanger assemblies in the Auxiliary, Diesel Generator, and Control Buildings. Traceability and identification transfer during fabrication appears to be uncontrolled. Quality Control has not assured the recording of traceability identification of the subject steel plate in all cases.

This is a Severity Level V violation.

Pursuant to the provisions of 10 CFR 2.201, you are required to submit to this office within twenty-five days of the date of this Notice a written statement or explanation in reply, including for each item of noncompliance: (1) corrective action taken and the results achieved; (2) corrective action to be taken to avoid further noncompliance; and (3) the date when full compliance will be achieved. Under the authority of Section 182 of the Atomic Energy Act of 1954, as amended, this response shall be submitted under oath or affirmation.

2/10/81

Dated

Gaston Fiorelli

Gaston Fiorelli, Chief
Reactor Construction and
Engineering Support Branch