THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

PERRY NUCLEAR POWER PLANT

SPECIAL PROJECT PLAN

TITLE: Corrective Action Plan for Safety Related 4.16kv Switchgear

REVISION: 1 EFFECTIVE DATE: March 18, 1982

SUBMITTED: M. R. EDELMAN

APPROVED: J. M. Lastovka 3-18-82
Designated Alternate Date
During Manager - Nuclear Engineering Department

APPROVED: Richard P. Crouse
Manager - Nuclear Quality Assurance Department

54-444

CORRECTIVE ACTION PLAN FOR SAFETY-RELATED 4.16kv SWITCHGEAR

PURPOSE

To describe the corrective action plan necessary to complete installation, inspection and initial check-out testing of 4.16kv safety-related switchgear.

RESPONSIBILITIES AND PROCEDURE

This special project plan applies to the administration, implementation and documentation of corrective action necessary to complete installation, inspection and initial check-out testing of Perry Nuclear Power Plant Unit 1, safety-related 4.16kv switchgear. It also applies to Unit 2, safety-related 4.16kv switchgear prior to turnover to the Nuclear Test Section (NTS), with the exception of the hold-down welds which apply to each switchgear section. It does not apply to individual breaker compartments which have been scoped within the boundaries of the "user" systems and are not considered a part of the 4.16kv safety-related switchgear system.

The General Supervisors of each Project Organization element discussed in this corrective action plan are responsible for implementation of applicable portions of this plan within their elements.

The Supervisor, Electrical and I&C Construction Quality Engineering, is responsible to ensure all elements of this plan are implemented in a timely manner by the responsible Project Organization elements.

REQUIRED CORRECTIVE ACTION

1. NTS shall prepare Work Authorization(s) per PA-1107, as required, to cover remaining L. K. Comstock (LKC) original scope work in complete compliance with LKC QA Program. _____

2. De-energize switchgear in accordance with the provisions of PA-1104 and PA-1107. _____

3. LKC shall inspect switchgear in accordance with current GAI/Gould drawings and document the results of their inspection per LKC procedure 4.3.4. _____

4. NTS shall wire-check switchgear in accordance with current GAI/Gould drawings and document the results per NTS procedure GEN-E-04. _____

5. NTS shall review all previously identified NRs in order to account for all open switchgear NRs. _____

6. NTS shall review their maintenance program to ensure that appropriate maintenance activities have been performed. Should any maintenance activities be required, they shall be performed and documented at this time in accordance with PM requirement sheet and vendor's instruction manual. _____

7. Construction Quality Assurance (CQA) shall provide surveillance of LKC activities per CQA 2-1001 and review LKC documentation per CQA 2-1702. _____

8. Program Quality Assurance (PQA) shall provide surveillance of NTS activities per PQA 1-1033 and review NTS documentation per PQA 11-1101. _____

9. Nuclear Design Section (NDS) shall satisfactorily resolve and ensure clear definition of manufacturer's concurrence with NDS proposed welding repair/rework, bolting and leveling in compliance with seismic design requirements. This shall include field inspection by a qualified manufacturer's representative, as required, to ensure acceptability of all proposed dispositions. _____

10. CQA and PQA shall ensure that the status of all switchgear NRs is documented. _____

11. LKC/NDS/NTS shall disposition all switchgear NRs with Review Board concurrence. Approved NR dispositions shall be implemented to the extent practical. _____

12. NDS shall establish weld rod control and traceability requirements for eventual incorporation in LKC procedure 4.7.6. _____

13. LKC revise and NDS and CWA approve weld procedure 4.7.6 and magnetic particle inspection procedure 4.7.8. _____

14. CQA close-out CARs 82-06 and 82-07 and issue stop work release. _____

15. LKC rework/repair switchgear welds when items 9,11 and 14 are satisfactory. _____

16. Close out work authorization per PA-1107. _____

17. Re-energize switchgear only after LKC/NTS evaluation of switchgear installation, inspection, test and operating status.

NOTE: Weld repair/rework need not be completed prior to re-energization as proposed fix is to take place on outside of switchgear ~~conduit~~ cabinet Should weld repair be required to the switchgear ~~conduits~~ cabinet a second outage may be required and will be taken to complete this work within a reasonable period after appropriate approvals and stop work release.

When do you specifically ask for fit up inspections?
in-process welding inspections?
Magnetic Particle Inspections (10% requirement applies?)