

Edward Hines

Detroit

October 20, 1980

EF2-49,327

Mr. James G. Keppler, Director
Region III
U. S. Nuclear Regulatory Commission
759 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr. Keppler:

Final Report on Problems in Start-Up Operations

This is submitted as Detroit Edison's final report on the problems found by the Start-Up Organization during an internal performance review of their operations. This item was originally reported on June 27, 1980, by Mr. H. A. Walker of Detroit Edison's Quality Assurance Department in a telephone conversation with Mr. T. Van Dell of NRC Region III.

The internal performance review was performed by the Start-Up Organization on March 28, 1980, to determine the degree of compliance with the requirements of the Start-Up Manual Appendix 4.2, "Control and Storage of Electrical Group Measuring and Test Equipment". Deficiencies were found with the operations of the Corporate Division Services - Meter Services Standards Laboratory located at the Warren Service Center which was performing calibration for Start-Up, and with records initiated during testing operations. The lab appeared to be operating without adequate procedures and did not, in all cases, have the records to substantiate the calibration and accuracy of equipment used during start-up testing. Deficiencies found with record-keeping practices of the Start-Up Technicians indicated a lack of sufficient training to the requirements of the Checkout and Initial Operations procedures. Based upon the deficiencies found, all electrical testing of QA Level I equipment was suspended effective March 28, 1980.

The corrective actions necessary to bring this program into compliance with all requirements and to re-evaluate tests previously performed have been initiated by the Start-Up Organization. These include:

1. The Q.E. lab in Detroit is now being utilized for calibration of equipment used for start-up testing. Acceptability of the work performed by this lab was verified through an audit performed by Edison Quality Assurance personnel on July 30-31, 1980.
2. Retest procedures have been developed to evaluate tests previously performed. Deficient items will be corrected as detailed in the Start-Up Manual Revision 71A1, Addendum 1, or later revisions if this is superseded.
3. Test procedures have been revised as necessary to control test activities in an acceptable manner.

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4. Start-Up Technicians are being trained in documented sessions prior to performing any testing activities.

Project Quality Assurance has been included in the review and acceptance of the above-noted program changes. By the mutual concurrence of Start-Up Engineering and Quality Assurance, QA Level I testing was resumed effective September 17, 1980.

If you have any questions concerning these items, please contact Mr. H. A. Walker, Supervisor - Construction Quality Assurance.

Very truly yours,

Edward H. Hines

HAW:mb

cc: Mr. Victor Stello, Jr., Director
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