

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION I
970 BROAD STREET
NEWARK, NEW JERSEY 07102

201 645-3942

December 7, 1971

Consolidated Edison Company of New York
Attention: Mr. William J. Cahill, Jr.
Vice President

4 Irving Place
New York, New York 10003

Docket No. 50-247

Gentlemen:

This refers to the inspection conducted by Mr. Burzi of this office on November 24, 1971, of construction activities authorized by AEC Construction Permit No. CPPR-21 and to the discussions of our findings held by Mr. Burzi with Mr. Kohler and Mr. Dadson of your staff at the conclusion of the inspection. This also refers to the meeting with your representatives and representatives of the Divisions of Compliance and Reactor Licensing on December 2, 1971 at our office in Bethesda, Maryland.

Areas examined during this inspection included the program and procedures for the cleanup, repair, and reinstallation of electrical cabling and equipment that were damaged or destroyed during the fire that occurred in the primary Auxiliary Building on November 4, 1971. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with plant personnel, and observations by our inspector.

It is our understanding, based on discussions with your staff at the conclusion of our inspection and at the meeting referenced above, that the following actions or activities are being or have been accomplished, and that a report pertaining to these actions or activities will be submitted to the AEC prior to implementation of your reinstallation program:

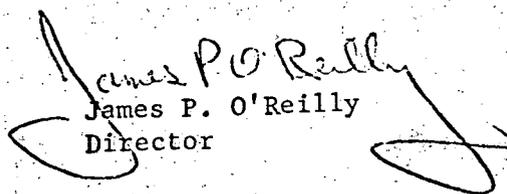
1. Tests are to be performed on the PVC conductor insulation at the point where the damaged cable was removed to determine if insulation had suffered damage as a result of conductor high temperature.

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2. Resistance and mechanical strength tests on typical and production splices are to be performed to assure that a hot spot does not exist.
3. Temperature calculations are to be performed for proposed repairs using highest resistance conductors, highest load factor conductors, and in the worst configuration.
4. Tests relative to the fire resistant characteristics of the proposed splice insulating material are to be performed.
5. Separation and support details for cables and splices inside junction boxes are to be prepared.
6. Lists of components and tests to be performed are to be prepared to assure that operational characteristics have not been impaired. This data will identify those components that will be checked for electrical continuity only.
7. Tests to determine chemical constituents of smoke residue are to be performed.

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Very truly yours,


James P. O'Reilly
Director

bcc: A. Giambusso, CO
R. H. Engelken, CO
L. Kornblith, Jr., CO
J. B. Henderson, (6)
J. G. Keppler, CO
DR Central Files ✓