

*In camera*

BEFORE THE UNITED STATES  
ATOMIC ENERGY COMMISSION

In the Matter of )  
 )  
Consolidated Edison Company ) Docket No. 50-247  
of New York, Inc. )  
(Indian Point Station, Unit No. 2) )

INTERROGATORIES OF THE CITIZENS COMMITTEE  
FOR THE PROTECTION OF THE ENVIRONMENT  
DIRECTED TO THE APPLICANT WITH RESPECT TO  
THE FIRE AND PERSONNEL SELECTION PROCEDURES

The reference to the following questions are to the pages to the document entitled "Indian Point Station Unit No. 2 Restoration Plan for Primary Auxiliary Building and Equipment."

1. Section B, Page 1. Describe in detail the extent of the smoke and water exposure to which the first category of equipment was subjected and the precise procedures to be used for checking out the equipment. In particular, discuss whether the equipment was totally dismantled, the kind of cleaning materials used and whether the equipment was cleaned in a manner different than normal cleaning would require.
2. Section B, Page 2. With reference to the first item B, what evaluations will be undertaken with regard to these instruments and

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when will the evaluations be completed?

Also describe and designate what these various instruments are.

3. Section 3, Page 2. With reference to the first letter C, describe the way in which soot has accumulated in the instruments and the procedures for cleaning and checking these instruments and also indicate what the particular instruments are.
4. Section B, Page 3. In the first item C, indicate whether reassembly of the motor in a horizontal position with the limit switch compartment up is a change from the original position of the motor and, if so, what change and why.
5. Section B, Page 2. At the bottom of the page describe the nature of the inspections on the motors and concentrate in particular on items B and E.
6. Section D, Page 1. In Section D, Attachment Number 1, Page 2, describe in detail the particular piping and its relation to the operation of the plant for which welds will be subjected to visual inspection. Also describe what kind of visual inspection will occur and how it is to be conducted. Describe the tests to be run by the metallurgy laboratory to determine whether there has been any

corrosion as a result of exposure to hydrochloric acid and compare the test conditions of the materials exposed to the fire, heat or smoke, or any of these and the type of exposure. Also indicate the other specific tests to be conducted with regard to HCl vapors including when tests will be conducted, the specific mechanisms to be utilized in the tests, what the tests are attempting to analyze, and when the tests will be completed.

7. Describe any other materials in the plant which may have been exposed to HCl vapors and explain why they would not be subject to corrosion as a result of that exposure. In particular, indicate how you will test for possible intergranular corrosion in similar problems inside motors, instruments and other equipment that might have been exposed to the HCl vapors.
8. Section C, Page 1. With the exception of splicing at terminals, describe generally what other splicing normally exists in the plant.
9. Section C, Page 4. Describe and provide an appropriate diagram to indicate what the metal boxes that will be around the splices are and what function they serve. Also, explain what is the thermal problem for which studies are being made with respect to these boxes and describe the studies.
10. Section C, Attachment 1, page 2. What water penetration

and at any point along the cable? Section C Attachment (Splicing instructions, page 1) - explain the apparent reluctance expressed in general notes A1 and (on page 4) procedures S01 and S02 to permit the use of splices. What is requested here is a frank discussion of whether or not given a choice, and all other things being equal, it would be preferable to have splices or unspliced cable.

11. Section C Attachment (splicing instructions, page 1). With reference to general notes A8, explain the manner in which the splices will be staggered to minimize the total diameter of the complete splice or if not staggered, why not? How much will each spliced cable expand the total diameter of cable at the point where the repairs are being made?
12. Section C, Attachment (Splicing instructions, page 3). With reference to general notes A14, will the exact procedure specified in these instructions be utilized for all splices? If not, for which splices will something less than those exact procedures be used and what will the modified procedures be? Section C, Attachment (splicing instructions, page 7). With reference to S20, explain the application of this procedure to the splices to be conducted here, for instance, which states that splices outside of amplifier cabinets, terminal boxes, and wireways will not be permitted? Will any such splices be required

here and within which of the three permitted

- areas are the splices in question to be installed?
13. Section D, Page 1. When will the tests in Item 1 be completed and what criteria are used in determining whether removal and replacement of insulation is required? Describe these criteria in substantial detail and do not indicate merely that all damaged insulation will be replaced.
  14. Section D, Page 2. With reference to Item 5, what testing is being proposed to valve diaphragm operators and if such testing cannot be done, what will be one to certify that the operators are satisfactory? Describe in detail the tests and procedures to be used for telling whether valve diaphragm separators are in order and also indicate in what manner it is anticipated that the valve diaphragm operators might have been damaged by the fire. Where chemicals that are normally present were in higher quantities as a result of the fire, indicate these chemicals as well. Also, indicate what you anticipate would be the possible effects of these chemicals individually or in combination upon the most sensitive (to the particular chemical or combination thereof) instrument or component within the PAB which might conceivably have been exposed to these chemicals.
  15. Section D, Page 2. With reference to Item 7, how will the equipment in the PAB be protected from the steam, cleaning and sand blasting, and in particular,

as a result of the steam cleaning and sand blasting and what will be the possible effect of steam cleaning and sand upon the internal or external parts of the equipment exposed to this steam and sand?

16. Section D, Attachment 1, Page 1. Would it be possible that portions of equipment from which plastic tapes or tags were attached, but which were not themselves taped or tagged, to have been exposed to temperatures greater than those to which the tapes and tags were exposed?
17. Section D, Attachment 1, Page 1. Compare the brinnell hardness measurements taken after the fire to comparable measurements of similar material prior to the fire or to similar material which was not exposed to the fire. Also indicate the point at which brinnell hardness could indicate the problem of quenching and/or hardening and the reference for such value.
18. Describe by means of a diagram or chart or both all of the areas of the Primary Auxiliary Building and of areas outside the Primary Auxiliary Building which could have come in contact with the flames, the heat, the water, the smoke, the vapor, or any other fire-created effect. With reference to each area and specific component, indicate whether it was inspected, tested, neither, or both, and the specific criteria

used in determining whether this should be done. Here again, do not merely state that nothing was tested that did not appear to be damaged, but indicate with some specificity what standard was used such as geographic proximity to the fire, unusual sensitivity to one of the fire effects, importance to the safe operation of the plant, cost or delay associated with testing, etc.

19. Indicate what specific criteria were used in determining which equipment will be replaced, repaired, renovated, or left alone, with the same specificity as indicated in the previous question.
20. Indicate what equipment outside the PAB was inspected and/or tested and what equipment inside the PAB was not inspected and/or not tested.
21. With reference to the splices, indicate what criteria were used, how much of the damaged cable was to be cut out, with the same specificity as is indicated in the previous questions. In particular, to what extent did the inaccessibility of portions of the cable determine the quantity of the cable which would be cut out or the point at which the splice would be made?

The following references are to the pages of "Testimony of Applicant Concerning Personnel Selections and Instructions on Indian Point Plant Security, dated December 10, 1971:

22. Describe in detail how the personnel selection pro-

cedures for non-nuclear facilities.

23. Page 1. What are the moral, mental, or other deficiencies which indicate a lack of suitability for employment? Give examples of clear cases of denial or acceptance and of the kinds of situations which require judgment. What factors go into that judgment? By whom is it exercised? What are his or her qualifications to make those judgments?
24. Page 1. Give some specific examples of previous unsatisfactory service and unfavorable information which would warrant rejection. Also, indicate an example of questionable cases and the criteria to be used by the hiring department in resolving those cases and the qualifications of the persons making those resolutions.
25. Page 2. Describe in some detail what circumstances of arrest might establish unfitness. Also, indicate to what extent convictions for disorderly conduct in opposition to the Vietnam War or Disorderly conduct as a result of drinking would be taken into account.
26. Page 2. Describe the disqualifying psychological problems and explain in detail the qualifications of the personnel reviewing the applicant to determine on the basis of observation, the possible existence of psychological problems. What kind of history is conducted of an applicant to determine the existence of possible psychological problems? Include a copy of the questionnaire used.

27. Page 5. Describe what aberrant behavior at work would include. For instance, would it include an employee who consistently contacted AEC personnel to complain about safety problems in the plant, some of which might not be legitimate complaints, or an employee who regularly joined such anti-establishment movements as war protestors, tax resistance, etc.
28. Describe the manner in which a physician can detect signs of drug abuse or mental unbalance in the course of medical examinations. In particular, indicate how often these examinations are conducted and for how long a period of time, as well as the qualifications of the physician with reference to psychological testing. Does chain smoking or the drinking of alcoholic beverages on a regular (but not excessive) basis, fall into the category of question comparable to "drug abuse"? Does drug abuse include the occasional use of marijuana and describe what is meant by drug abuse, generally.
29. Page 5. Describe the indoctrination program for early recognition of "problem employees" and attach a copy of the training program and materials used in that program.
30. Describe the kind of credit check that is done by outside companies with applicants for company jobs, indicating whether all such applicants are subjected to such tests, the names of the companies which conduct the checks, the precise procedures used in conducting the checks, the applicant's

individual verification of the credit company information, the qualifications of credit company personnel to compile such information, the fee paid for each such examination, sample (sanitized) copies of the reports provided and the criteria used in determining what action to take with regard to applicants based upon the credit report.

31. Describe in detail the procedures established for first line supervisory personnel and other management personnel to observe and report their observations on the behavior of employees.

Respectfully submitted,

*Anthony Z. Roisman*  
Anthony Z. Roisman  
Counsel for the Citizens Committee  
for Protection of the Environment

December 23, 1971

BEFORE THE UNITED STATES

ATOMIC ENERGY COMMISSION

In the Matter of )

CONSOLIDATED EDISON COMPANY )  
OF NEW YORK (Indian Point )  
Unit No. 2) )

) Docket No. 50-247

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing Interrogatories Directed to the Applicant with Respect to the Fire and Personnel Selection Procedures, were mailed, postage prepaid, this 23rd day of December, 1971, to:

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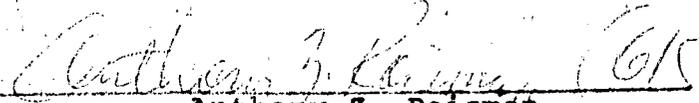
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