OCT 20 1972

Docket No. 50-286

R. C. DeYoung, Assistant Director for Pressurized Water Reactors, L

REQUEST FOR ADDITIONAL INFORMATION: INDIAN POINT NUCLEAR GENERATING UNIT NO. 3, QUALITY ASSURANCE

Summary

Plant Name:	Indian Point Nuclear Generating Unit No. 3
Licensing Stage:	OL
Docket Number:	50-286
Responsible Branch & Project Manager:	PWR Branch #1, Herschel Spector
Requested Completion Date:	October 20, 1972
Applicants Response Date:	January 19, 1973
Description of Response:	Answers to Questions
Review Status:	Awaiting Information

A request for additional information relative to Quality Assurance for the Indian Point Nuclear Generating Unit No. 3, is enclosed. This request is based on our review of the FSAR for Indian Point Nuclear Generating Unit No. 3.

We require that Consolidated Edison Company's response to this request for additional information be received by January 19, 1973 in order to maintain our current schedule.

Original signed by:
Richard H. Vollmer for

Robert L. Tedesco, Assistant Director
for Containment Safety
Directorate of Licensing

Enclosure: As stated

cc: See Page 2

OCT 2 0 1972

cc: w/o enclosures

A. Giambusso
W. McDonald

cc: w/enclosures

S. H. Hanauer
J. M. Hendrie
H. Spector
D. Vassallo

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R. Tedesco
F. Liederbach

OFFICE ▸	L:QA	L:QA	L:CS			
SURNAME ▸	FLiederbach;gmk	RHVollmer	RLTedesco			Memo
DATE ▸	10/20/72	10/20/72	10/20/72			

Form AEC-318 (Rev. 9-53) AECM 0240

INDIAN POINT NUCLEAR GENERATING
STATION UNIT NO. 3
REQUEST FOR ADDITIONAL INFORMATION
17.0 QUALITY ASSURANCE

1. The description of the QA Program (alternatively known as the QA Program Plan) in the FSAR describes the QA Program for the design and construction phase, but provides insufficient information on how the Consolidated Edison Company (CE) will implement each of the 18 QA criteria of Appendix B to 10 CFR 50 during the post-construction phases and over the life of the plant. Accordingly, a description of the QA Program for Operations should be provided. Each element within each criterion of Appendix B to 10 CFR 50 should be addressed and discussed relative to all post-construction activities for this project, including preoperational testing, initial fuel loading, initial plant operation, and full term operational efforts.

1.1 Provide organization charts and describe the organizational arrangement denoting the role of CE's QA and QC personnel during all post-construction phase efforts and over the life of the plant. Include a description of how and when the QA/QC personnel will interface with other CE home office and site organizations. Describe whether there is an interface role between CE's QA/QC organization and the various committees utilized for facility operation. Organizational charts should clearly denote lines and areas of communication, responsibility, and authority.

1.2 Describe for CE's QA Program for Operations those parts of ANSI N45.2 and draft ANS 3.2 that CE intends to follow toward fulfillment of the Regulatory requirements provided in Appendix B to 10 CFR 50. Cross reference may be made between Appendix B to 10 CFR 50 and the provisions within ANSI N45.2 and draft ANS 3.2.

1.3 Provide a list of the titles of the QA/QC documents contained in CE's QA Manual for Operations. Briefly summarize the purpose and content of each of these documents. Where CE reports exist to provide such response these may be referenced in the description of CE's QA Manual for Operations.

1.4 Describe CE's system for the preparation, review, approval, revision, distribution, and control of the QA Manual for Operations. Indicate how it is assured that the appropriate departments and organizations will properly implement these documents.

1.5 Describe the responsibility of CE's QA/QC personnel with respect to the review, approval, and implementation of changes to QA/QC documents, test procedures, procurement documents and plant operating and maintenance procedures. Also describe their role with respect to the following activities: plant testing, routine surveillance, repair, replacement, calibration, training, inservice inspection programs, and independent audit.

1.6 Indicate the projected number and location of QA/QC personnel required and assigned by CE during all post-construction phases and during the life of the plant.

1.7 Describe the qualifications and training requirements for personnel in CE's QA/QC organization.

2. Describe CE's System for communicating information concerning abnormal experiences at other facilities, including AEC's Reactor Operations Experience Reports and Reactor Construction Reports to the appropriate design, construction, and operating organizations, and for assuring that the experiences embodied in these reports are considered in the program efforts.

3. Describe CE's policy and system for implementing AEC's Codes and Standards Rule and Deficiencies Reporting Rule.

4. Describe training programs for QA/QC personnel. Describe whether there are any orientation and training programs to familiarize other CE headquarters and site personnel with the requirements of Appendix B to 10 CFR 50.

5. With regard to Criterion XI of Appendix B to 10 CFR 50, "Test Control", what involvement do CE's QA/QC personnel have with the planning, procedures, and implementation of plant tests?

6. Describe the calibration policy, schedule, and system planned for plant operations to meet the requirements of Criterion XII of Appendix B to 10 CFR 50 "Control of Measuring and Test Equipment". What is the role of the QA/QC personnel relative to the calibration program? Address the response to include both portable and installed instrumentation and equipment utilized in calibration, as well as a discussion of plant equipment subject to periodic calibration. Include a list of references of titles to industry or government calibration standards and/or specifications that will be invoked as part of CE's calibration program.

7. With regard to "Inspection, Testing and Operating Status":
   a. Describe CE's tagging and other measures to be invoked for meeting Criterion XIV of Appendix B to 10 CFR 50. Describe the responsibilities of CE's QA/QC staff and other CE personnel with respect to this activity.
   b. Describe the policy and system for logging and tagging the status of inoperative and malfunctioning components in such a manner that their status cannot be overlooked in operating the plant.

8. Describe the role of CE's QA/QC staff during the operating phase with respect to Criterion XV of Appendix B to 10 CFR 50 "Nonconforming Material, Parts, and Components". What mechanism exists to assure timely notification of all affected parties for those cases where repair, rework, and/or reduction of requirements is anticipated? Describe the policies and steps established to assure that appropriate organizations evaluate discrepant and unacceptable materials or components and decide proper disposition. Describe the organizational arrangements for evaluation, the membership and duties of review boards (if there are to be such), and the level of management which is to be made cognizant of the actions taken in this area.

9. With regard to Criterion XVIII of Appendix B to 10 CFR 50 "Audits", describe the nature and extent of the audit program planned for plant testing, fuel loading, initial startup, operations, maintenance, refueling, future purchase of material and services, and inservice inspection efforts. Describe the estimated frequency of audits over various home office and plant activities, and describe those audits which are to be performed by Committees versus those to be performed by CE's QA/QC personnel. Describe the audit reporting policy, followup responsibility, and provisions for review of audit reports by top management of CE.