

FEB 17 1979

Docket Nos. 50-3
and 50-247

Mr. William J. Cahill, Jr.
Vice President
Consolidated Edison Company
of New York, Inc.
4 Irving Place
New York, New York 10003

Dear Mr. Cahill:

The Commission has issued the enclosed Amendment No. 23 to Facility License No. DPR-5 for the Indian Point Station Unit No. 1 and Amendment No. 48 to Facility License No. DPR-26 for the Indian Point Nuclear Generating Plant Unit No. 2. These amendments consist of changes to the Appendix B Technical Specifications in response to your requests dated April 20, 1977, April 25, 1977, December 30, 1977, March 22, 1978, April 24, 1978 and May 10, 1978.

These amendments revise and restructure the administrative controls section (Section 5) of the Environmental Technical Specifications, which has been reissued in its entirety with this amendment.

We have evaluated the potential for environmental impact of operation of these facilities in accordance with the enclosed amendments. These amendments apply to administrative details and include changes to the organization chart, and clarification of the role of the Environmental Protection Committee (EPC) to encompass only non-radiological programs and annual review of these programs.

We have determined that these amendments do not authorize a change in effluent types or total amounts nor an increase in power level, and will not result in any significant environmental impact. Having made this determination, we have further concluded that these amendments involve actions which are insignificant from the standpoint of environmental impact and pursuant to 10 CFR 51.5(d)(4) that an environmental impact statement, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

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OPT

Mr. William J. Cahill, Jr.
Consolidated Edison Company of
New York Inc.

FEB 17 1979

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Since the amendments apply only to administrative details, they do not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. They do not involve a significant increase in the probability or consequences of an accident, do not involve a significant decrease in a safety margin, and therefore do not involve significant hazards considerations. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by these actions.

A copy of the related Notice of Issuance is also enclosed.

Sincerely,

151

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosures:

1. Amendment No. 23 to DPR-5
2. Amendment No. 48 to DPR-26
3. Notice of Issuance

cc: w/enclosures
See next page

TACS 7751, 8770, 8771

* SEE PREVIOUS YELLOW FOR CONCURRENCE

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**Consolidated Edison Company of
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

CONSOLIDATED EDISON COMPANY OF NEW YORK; INC.

DOCKET NO. 50-3

INDIAN POINT NUCLEAR GENERATING UNIT NO. 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 23
License No. DPR-5

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Consolidated Edison Company of New York, Inc. (the licensee) dated April 20, 1977, April 25, 1977, December 30, 1977, March 22, 1978, April 24, 1978 and May 10, 1978 comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Provisional Operating License No. DPR-5 is hereby amended to read as follows:

"B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 23, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications."

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 17, 1979



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DOCKET NO. 50-247

INDIAN POINT NUCLEAR GENERATING UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 48
License No. DPR-26

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Consolidated Edison Company of New York, Inc. (the licensee) dated April 20, 1977, April 25, 1977, December 30, 1977, March 22, 1978, April 24, 1978 and May 10, 1978 comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

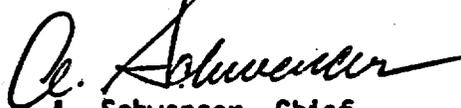
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-26 is hereby amended to read as follows:

"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 48, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications."

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 17, 1979

ATTACHMENT TO LICENSE AMENDMENT NOS. 23 AND 48

TO THE TECHNICAL SPECIFICATIONS

PROVISIONAL OPERATING LICENSE NO. DPR-5

AND FACILITY OPERATING LICENSE NO. DPR-26

DOCKET NOS. 50-3 AND 50-247

Replace Section 5 of the Appendix "B" Environmental Technical Specifications (ETS) with the enclosed restructured ETS Section 5. The amendment numbers applicable to each Unit are listed on each page. Vertical lines in the right margin indicate the areas where the text has changed.

5,0 ADMINISTRATIVE CONTROLS

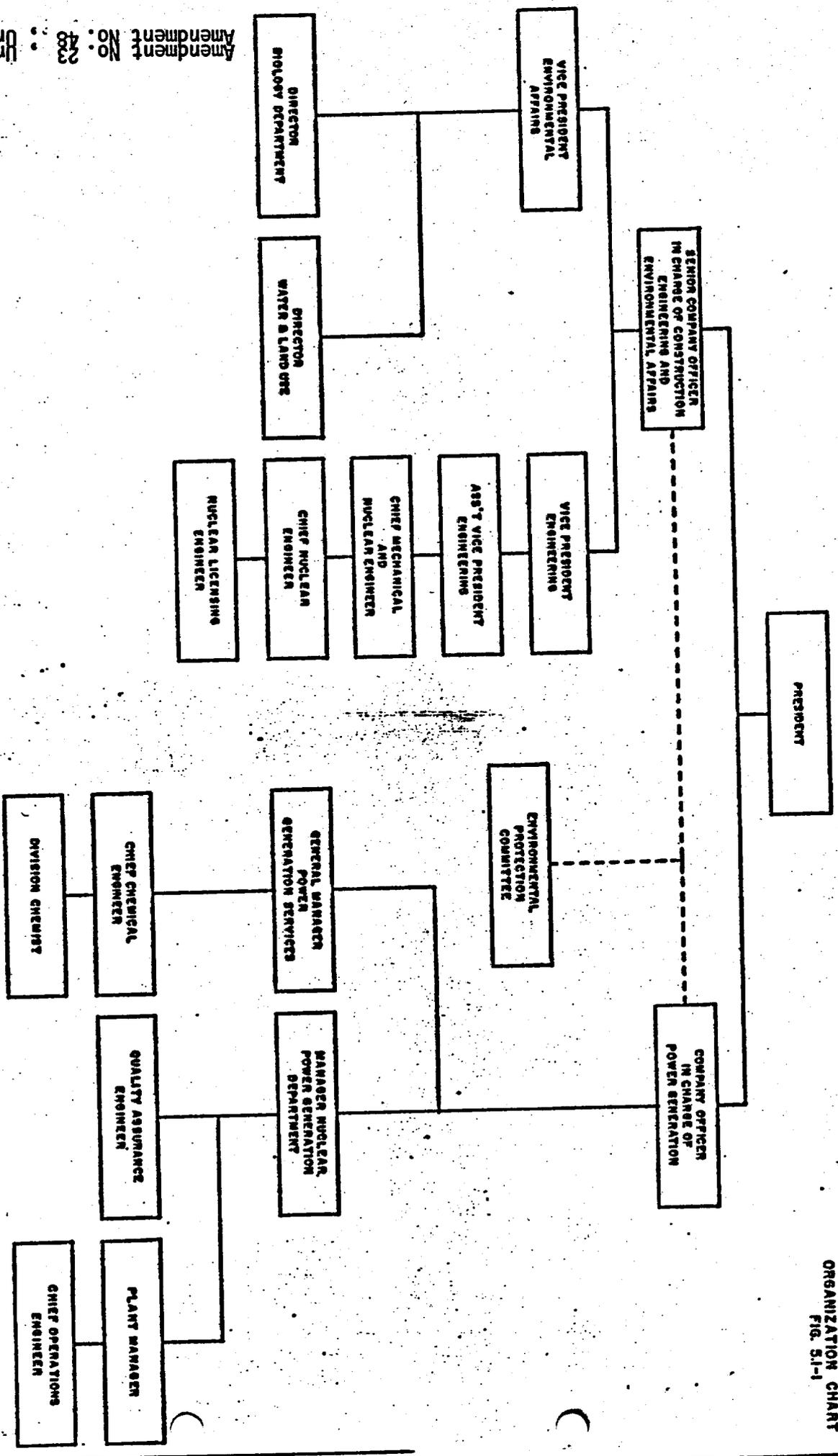
Objective

To establish the administrative controls that relate to management procedures, record keeping and reporting that are considered necessary to provide the assurance and evidence that the Plant will be managed as prescribed by the Environmental Technical Specifications and will be operated to provide continuing protection of the environment.

Specifications

- 5.1 Organization and Responsibilities, Review and Audit, Environmental Protection Committee Organization
- 5.1.1 Organization and Responsibilities
- 5.1.1.1 The ultimate responsibility for the implementation of the Environmental Technical Specifications shall reside with the corporate officers of Consolidated Edison Company of New York, Inc. The corporate and Station level organization chart is shown in Figure 5.1-1.
- 5.1.1.2 The Plant Manager shall have direct responsibility for the safe operation and maintenance of all facilities comprising Indian Point Station and to assure that the limiting conditions of operation as noted in the Environmental Technical Specifications as defined herein are not exceeded. This responsibility shall be expressly delegated to a specified member of the Station management staff during any off-duty status period of the Plant Manager. The Chief Operations Engineer, who shall report to the Plant Manager, shall have direct responsibility for the safe operation of all nuclear Units at the Station. The Operations Engineer, who shall report to the Chief Operations Engineer, shall have direct responsibility for the

ORGANIZATION CHART
FIG. 51-1



Amendment No. 23 ; Unit 2

5.0 ADMINISTRATIVE CONTROLS

5.1 Specifications (Continued)

safe operation of his assigned nuclear Unit. The Plant Manager shall report to the Manager of the Nuclear Power Generation Department who reports to the Vice President, Power Generation, who is in charge of all of its generating facilities. See Section 6.1 of Appendix A, Technical

Specification for a detailed description of responsibility of the licensee's facilities.

5.1.1.3 The Division Chemist shall report via the Chief Chemical Engineer and General Manager, Power Generation Services to the Vice President, Power Generation and either he, or his designee, has primary responsibility for the conduct of the radiological environmental monitoring program. The Director Water and Land Use and the Director of the Biology Department, both of whom shall report to the Vice President, Environmental Affairs of the Company, have primary responsibility for execution of non-radiological environmental surveillance programs.

5.1.1.4 The environmental surveillance programs and the special ecological studies will be performed by the licensee's staff and/or through contractual arrangement between the licensee and its contractors. The immediate responsibility for the review and updating of each program lies with the Division Chemist and Director, Water & Land Use and the Director of the Biology Department.

5.1.1.5 Any change in the corporate organization and responsibilities described in this Section (5.1.1) and Sections 5.2, 5.3 and 5.4 shall be reported to the Director of the Office of Nuclear Reactor Regulation within 30 days of its effective date and the implementation of any such change shall not be deemed a violation of an environmental technical specification.

5.0 ADMINISTRATIVE CONTROLS

5.1 Specifications (Continued)

5.1.2 Review and Audit

5.1.2.1 Establishment

An Environmental Protection Committee (EPC) shall be constituted to advise the Chairman, the President, the Senior Vice President, Construction, Engineering and Environmental Affairs, and the Vice President, Power Generation (or equivalent senior management of the Company) concerning nonradiological environmental aspects of nuclear power facilities. The EPC will have the responsibility of performing the independent review and audit of the nonradiological environmental monitoring, surveillance and special studies program as presented in Section 5.1.2.2. A charter, describing the EPC functions and responsibilities shall be on file for inspection. The Nuclear Facility Safety Committee (NFSC) as described in Section 6 of Appendix A shall have the responsibility to perform the review and audit of the radiological environmental monitoring program.

5.1.2.2 Responsibilities

- a. The Committee herein established will advise the Chairman of the Board, the President, and senior management members concerning the non-radiological environmental aspects of facility operation. The Committee is to be kept fully and currently informed by the senior management on all matters bearing on such environmental effects of operation of the plants.
- b. The Chairman may establish subcommittees and designate members of the Committee for assignment to subcommittees or to particular areas of cognizance. The Chairman, Vice Chairman and Secretary of the Committee are ex-officio members of all subcommittees. A list of all such assignments shall be kept current by the Secretary in accordance with the

5.0 ADMINISTRATIVE CONTROLS

5.1

Specifications (Continued)

procedures set forth as an appendix to the charter.

- c. The Committee shall have the responsibility of performing the independent review and audit of nonradiological environmental monitoring, surveillance, and special studies programs, and their results in accordance with Section 5.4.2 and the Committee procedures set forth as an appendix to the charter.
- d. The Committee shall have the responsibility of reviewing non-radiological environmental aspects of proposed changes in facility systems or equipment, and the evaluation of the impacts resulting from the changes and proposed tests or experiments as proposed by the senior members of management in accordance with Section 5.3 and the Committee procedures set forth as an appendix to the charter.
- e. The Committee shall review all proposed non-radiological changes to the ETSR and the evaluated impacts of such changes, in accordance with Section 5.6.3 and the procedures set forth as an appendix to the charter.
- f. The Committee shall review all reported instances of nonroutine reportable environmental occurrences, relating to non-radiological matters, in accordance with Section 5.2 and the procedures set forth as an appendix to the charter.
- g. The Committee shall coordinate with the NFSC the development of the ETSR and the development of procedures and programs pursuant to them to avoid conflicts and maintain consistency. Coordination procedures shall be in accordance with those set forth in an appendix to the charter.

5.0 ADMINISTRATIVE CONTROLS

5.1 Specifications (Continued)

- h. The Committee shall have the responsibility of performing the independent review of non-radiological procedures and changes to such procedures in accordance with section 5.4.1.3 and the procedures set forth in an appendix to the charter.
- i. The committee shall review the results of Part A (non-radiological) of each Annual Environmental Operating Report, and the NFSC shall review the results of Part B (Radiological) of each Annual Environmental Operating Report, prior to submission of the report to the NRC. See Section 5.6.1.1.
- j. Other related matters deemed appropriate.

5.1.2.3 Authority

- a. The Committee shall report to, and advise, the senior members of management on matters related to their areas of non-radiological environmental concern.
- b. Committee members shall be allowed full access to all relevant facility records.

5.1.3 Environmental Protection Committee Organization

5.1.3.1 Composition

- a. The Committee (EPC) shall have membership of at least (10) persons including, the Division Chemist, the Plant Manager, the Nuclear Licensing Engineer, and the Director or their designee. The remaining members shall include technically competent persons from all departments of Consolidated Edison having an interest in nonradiological environmental effects or their control as related to facility design or operation and shall be appointed by their respective Vice President in accordance with the Committee's charter.

5.0 ADMINISTRATIVE CONTROLS

5.1 Specifications (Continued)

The Chairman and Vice Chairman shall be officers of the Company experienced in fields related to environmental effects or their control.

The Chairman of the EPC Committee, hereafter referred to as the Chairman, shall be appointed by the Chairman of the Board or the President of the Company.

The Vice Chairman shall be appointed by the Chairman of the Board or the President of the Company. In the absence of the Chairman, he shall serve as Chairman.

Each member shall have one vote. Subject to the Chairman's approval, each member may designate a permanent alternate to serve in his absence. Alternate members shall have voting rights. Persons, including nonemployees of the Company, may be appointed as Consultants by the Chairman. Consultants will serve in the advisory capacity and shall not have the right to vote.

- b. A list of members and permanent alternates of the Committee shall be maintained on a current list by the Secretary, and will be filed in the Committee files and available for inspection.

5.1.3.2 Qualifications

Members shall collectively have the capability required to review the nonradiological areas of:

- environmental monitoring and surveillance
- chemistry
- instrumentation and control
- aquatic biology
- airborne pollutants
- effluent control engineering
- other environmental effects
- other appropriate fields by the unique characteristics of the plants involved.

5.0 ADMINISTRATIVE CONTROLS

5.1 Specifications (Continued)

5.1.3.3 Records and Reports

- a. Written minutes of all meetings shall be kept and be retained for at least five years in the files of the Committee (see Section 5.5.1). Copies of approved minutes shall be promptly distributed to each Committee member, to the Chairman and Vice Chairman of the Nuclear Facilities Safety Committee, and to appropriate senior members of management having responsibility in the area reviewed.
- b. An audit program will be prepared as part of the charter and recommended to the appropriate senior members of management having responsibility in the area reviewed.
- c. Written reports of each audit or review function performed, including follow-up action and re-audits, shall be prepared, approved, and forwarded to senior management members having responsibility in the areas audited. Copies of these reports shall be retained for at least five years in the files of the Committee.
- d. The findings of all reviews of the Environmental Technical Specification Requirements (ETSR), violations and recommendations to prevent recurrence shall be reported in writing to the senior management members having responsibility in the areas audited.

5.1.3.4 Meetings

- a. The Committee shall meet at least once per quarter.
- b. In addition, the Committee shall be promptly convened, at the request of the senior management having responsibility in the areas involved, to review and act upon nonroutine reportable environmental occurrences or other matters related to compliance with the ETSR.

5.0 ADMINISTRATIVE CONTROLS

5.1 Specifications (Continued)

5.1.3.5 Quorum and Voting

As a minimum, a majority of the Committee members, which shall include the Chairman and/or the Vice Chairman, shall constitute a quorum for meetings of the Committee. Any action by the Committee shall require as a minimum, the vote of the majority of those present.

5.1.3.6 Changes in Organization

Any change in the Environmental Protection Committee Organization described in Section 5.1.3 shall be reported to the Director of Office of Nuclear Reactor Regulation within 30 days of its effective date and the implementation of any change shall not be deemed a violation of an environmental technical specification.

5.0 ADMINISTRATIVE CONTROLS

5.2 Action to be Taken in the Event of A Nonroutine Reportable Environmental Occurrence

- 5.2.1 Remedial action as permitted by the ETSR shall be taken until the nonroutine reportable occurrence can be alleviated.
- 5.2.2 Any nonroutine reportable environmental occurrence shall be promptly reported to and investigated by the Plant Manager and his staff.
- 5.2.3 The Plant Manager shall promptly notify the Manager of the Nuclear Power Generation Department and the Chairman of the EPC for nonradiological matters or the NFSC for radiological matters of any nonroutine reportable environmental occurrence.
- 5.2.4 The Plant Manager shall prepare and submit promptly a report in writing to the Manager of the Nuclear Power Generation Department following the observation of a nonroutine reportable environmental occurrence. Such report shall describe the circumstances leading up to, and resulting from the occurrence, and shall recommend appropriate action to prevent or reduce the probability of a repetition of occurrence. A copy of the report shall be submitted to the Chairman of the EPC (for nonradiological matters) or NFSC (for radiological matters) for review of any recommendations contained therein. The EPC or NFSC (as appropriate) shall concur with such appropriate action.

5.0 ADMINISTRATIVE CONTROLS

5.3 Actions to be Taken Prior to Special Tests or Changes

5.3.1 If a significant change in the facility is proposed, or a test or experiment is proposed and the Plant Manager concludes that the proposed change, test or experiment does not involve a change in the ETSR or a significant unreviewed environmental question, he may order the change, test or experiment to be made, shall enter a description thereof in the operating records of the facility, and shall send a copy of the instructions pertinent thereto, to the Chairman of the EPC (non-radiological matters). If the Chairman of the EPC, upon reviewing such instructions, is of the opinion that the change, test or experiment is of such a nature as to warrant consideration by the Committee, he shall order such consideration.

5.3.2 If a significant change in the facility is proposed, or a test or experiment is proposed which in the Plant Manager's opinion might involve a change in the ETSR, might involve a significant unreviewed environmental impact question or might otherwise not be in accordance with the license, he shall not order such change, test or experiment to be made until he has referred the matter to the EPC (non-radiological matters) for review and report. If the EPC is of the opinion that the proposed change, test or experiment does not require approval by the NRC under the terms of the license, it shall so report in writing to the Plant Manager, together with a statement of the reasons for the EPC decision. The Plant Manager may then proceed with the change, test or experiment. If, on the other hand, the Committee is of the opinion that approval of the NRC is required, the organization which proposed the change, test or experiment shall prepare a request for such approval, including an appropriate environmental analysis in support of the request, and return it to the Committee for its review and concurrence. Upon concurrence with the request and report, the Committee will forward them to the senior members of management for their review with a

5.0 ADMINISTRATIVE CONTROLS

5.3

Specifications (Continued)

copy to the Plant Manager. These Company officials shall then take appropriate action to obtain NRC approval.

These requirements do not preclude making changes on short notice that are significant in terms of decreasing adverse environmental impact or are required by New York State as delineated in Section 4.1.2a(3)A(iii) of these specifications.

5.0 ADMINISTRATIVE CONTROLS

5.4 Operating Procedures and Environmental Surveillance Programs

5.4.1 Operating Procedures, Content and Review

5.4.1.1 Operating Procedures

Detailed written procedures including check-off lists and instructions, where applicable, shall be prepared, approved and adhered to for the following activities involved in carrying out Sections 2 and 3 of the ETSR:

5.4.1.1.1 Release of chemicals in the circulating water discharge.

5.4.1.1.2 Controls of discharge waters to remain within the allowable rate of change, temperature differentials and discharge temperatures and water quality.

5.4.1.1.3 All environmental sampling.

5.4.1.1.4 Calibration of various instruments used in measuring and analyzing the samples which are required by these specifications.

5.4.1.1.5 Data recording, storage, measurements and analysis.

5.4.1.2 Content

Operating procedures, required by Section 5.4.1.1, shall include provisions to ensure the plant and all its systems and components are operated in compliance with the limiting conditions for operation established as part of the ETSR.

5.4.1.3 Review

5.4.1.3.1 All operating procedures and changes to operating procedures, required by Section 5.4.1.1, as they pertain to the non-radiological environmental specifications, will be reviewed and concurred with by the EPC within 60 days after implementation. The implementation and approval dates shall be documented.

5.0 ADMINISTRATIVE CONTROLS

5.4 Specifications (Continued)

5.4.1.3.2 All operating procedures, required by Section 5.4.1.1, as they pertain to the radiological environmental specifications, will be reviewed by the Station Nuclear Safety Committee, or their designee, as set forth in Section 6 of Appendix A, Technical Specifications.

5.4.1.3.3 All changes to operating procedures required by these ETSR will be reviewed and approved by the Chief Operations Engineer if they affect plant operations.

5.4.2 Environmental Surveillance Programs, Content and Review

5.4.2.1 Environmental Surveillance Programs

Programs shall be prepared for each environmental surveillance program involved in carrying out Section 4 of the ETSR.

5.4.2.2 Content

Programs, required by Section 5.4.2.1, shall include provisions and a list of procedures to ensure that the environmental surveillance program is conducted in compliance with the requirements of the ETSR as set forth in Section 4.

5.4.2.3 Review

5.4.2.3.1 All programs, required by Section 5.4.2.1, as they pertain to nonradiological surveillance, will be reviewed and audited by the EPC, or its designee, annually.

5.4.2.3.2 All programs, required by Section 5.4.2.1, as they pertain to radiological surveillance, will be reviewed and audited by the Nuclear Facilities Safety Committee, or its designee, as set forth in Section 6 of Appendix A, Technical Specifications.

5.0 ADMINISTRATIVE CONTROLS

5.5 Record Retention

5.5.1 Record Retention - 5 years

Records and/or logs relative to the following items shall be kept in a manner convenient for review and retained for five years:

- 5.5.1.1 Records of normal plant operation, including power levels and period of operation at each power level.
- 5.5.1.2 Records of principal maintenance activities, including repair, substitution or replacement of principal items of equipment pertaining to environmental impact.
- 5.5.1.3 Records of occurrences involving violation of Environmental Technical Specifications.
- 5.5.1.4 Records of periodic checks, inspections and calibration performed to verify that environmental surveillance requirements are being met.
- 5.5.1.5 Records of any special operational modes (tests or experiments) affecting environmental impact.
- 5.5.1.6 Records of changes made to procedures, equipment, permits and certificates affecting environmental impact.
- 5.5.1.7 Records of changes to operating procedures affecting environmental impact.
- 5.5.1.8 Environmental Protection Committee meeting minutes.

5.5.2 Record Retention - Life of Plant

Records relative to the following items shall be kept in a manner convenient for review and retained for the life of the plant.

- 5.5.2.1 Reports of all environmental monitoring surveys, and special surveillance and study activities required by the ETSR in Section 4.0.

5.0 ADMINISTRATIVE CONTROLS

5.5 Specifications (Continued)

**5.5.2.2 Records and drawings detailing plant design
changes and modifications made to system and
equipment as described in Section 5.3.2.**

5.0 ADMINISTRATIVE CONTROLS

5.6 Plant Reporting Requirements

5.6.1 Routine Reports

Part A: Nonradiological Report. A report on the environmental surveillance programs for the previous 12 months of operation shall be submitted to the Director of the Region I Office of Inspection and Enforcement (with copies to the Director, Office of Nuclear Reactor Regulation) as a separate document within 120 days after January 1 of each year. The report shall include summaries, interpretations, and statistical evaluation of the results of the nonradiological environmental monitoring programs required by limiting conditions for operation (Section 3.0). Specifically the following information shall be provided in this report.

a. Thermal Discharges and Hydraulics

- Data on daily maximum, minimum, and average temperature measurements of the water in the intake and discharge canal water, and the Delta Tc across the CWS during full and reduced flows and during pump maintenance and deicing operations.
- Any rate of temperature change across the condenser pursuant to Sections 2.1.4 and 3.1.4.
- Condenser flow rates, and changes in flow rates including date and time of day when reduced flow takes place.
- Total thermal energy in BTU released through the discharge outfall during the month.
- Maximum and average release rate of energy through the discharge outfall in BTU per hour.
- Calculated intake velocity and flow rate per intake screen.

5.0 ADMINISTRATIVE CONTROLS

5.6 Specifications (Continued)

- Discharge velocity, head differential across the discharge canal (24 hrs. average), results of adjustments of gates of discharge structure.
- b. Chlorination of Cooling Water
 - The dates on which chlorination was performed.
 - Amount of sodium hypochlorite consumed during each chlorination.
 - Concentration of sodium hypochlorite used.
 - Analytical results of chlorine tests.
 - Cooling water flow rate during chlorination.
- c. Chemical Discharges and Water Quality
 - Dates and times at which samples were taken and analyzed in accordance with Table 2.3-1.
 - Analytical results of tests performed in accordance with Table 2.3-1.
 - Inventory of chemicals discharged in accordance with Table 2.3-2.
 - Water flow rate in the discharge canal at times of releases.
 - Amount of non-radioactive solid waste material collected (in cubic feet) at the intake screens and disposed of as solid waste in accordance with local regulations.
 - Dissolved oxygen concentration measurements.
 - pH measurements.

5.0 ADMINISTRATIVE CONTROLS

5.6 Specifications (Continued)

- d. Listing of non-routine reportable environmental occurrences (non-radiological).

Part B: Radiological Report A report on the radiological environmental surveillance programs for the previous 12 months of operation shall be submitted to the Director of the Region I Office of Inspection and Enforcement (with copies to the Director of the Office of Nuclear Reactor Regulation) as a separate document within 120 days after January 1 of each year. The report shall include summaries, interpretations, and statistical evaluation of the results of the radiological environmental surveillance activities for the report period, including a comparison with preoperational studies, operational controls (as appropriate), and previous environmental surveillance reports and an assessment of the observed impact of the plant operation on the environment.

Results of all radiological environmental samples taken shall be summarized on an annual basis following the format of Table 5.6-1. In the event that some results are not available within the 120-day period, the report shall be submitted noting and explaining the reasons for the missing results. The missing data shall be submitted as soon as possible in a supplementary report.

5.6.1.2 Special Environmental Operating Reports

A. Non-radiological

A Progress Report and/or Annual Report shall be submitted by the licensee to the Director of Office of Nuclear Reactor Regulations, Washington, D.C. 20555, by the end of January, or as specified below, describing activities of the Thermal Plume Mapping and Ecological Survey Program, Entrainment Studies, and Special studies

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for the prior interval. Information to be presented will include the following:

a. Effects of chlorine and other chemical discharges on the ecosystem of the Hudson River in accordance with Sections 2.3 and 3.3 and 4.1.2a(2).

b. Reduction in frequency of chlorination and reduction in concentration of free and combined residual chlorine in the discharge canal.

c. Thermal plume model verification and mapping(near and far field) in accordance with Section 4.1.1.a.4.

d. Ecological effects of thermal discharges in accordance with Section 4.1.2.a(2).

e. Potential reduction in dissolved oxygen in the cooling water through the plant.

f. An assessment of performance of fish pumps as installed.

g. Results of the general ecological survey in accordance with Section 4.1.2a(1).

h. Ecological effects of entrainment of organisms in accordance with Section 4.1.2a(2).

i. Evaluation of head loss across the fixed intake screens as a function of velocity through the screens and fish collected.

j. Ecological effects of fish impingement in accordance with Section 4.1.2a(3)v.i.

k. Operational experience of air bubblers at Units Nos. 1 and 2 to prevent fish impingement.

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l. Other ecological effects as indicated in Section 4.0.

m. Evaluation of data in accordance with Section 4.1.2a(2) (i through iii).

Upon completion of the environmental surveillance studies as described in Section 4.0 a final summary report for each individual project shall be submitted within six (6) months of completion of each study to the Director of Office of Nuclear Reactor Regulation, Washington, D.C. 20555. A final overall summary report when all the projects are completed shall be furnished on the same schedule as above.

Monthly report on the number of each species of fish collected per day on the intake screens shall be submitted to the Region I Office of Inspection and Enforcement and copies to the Director of Office of Nuclear Reactor Regulation and the New York Department of Environmental Conservation, in accordance with items (b) and (c) under Reporting Requirements in Section 4.1.2a(3).

All reports submitted to other Federal agencies or to the New York State Department of Environmental Conservation as a requirement of a permit or certificate involving environmental matters containing information not already covered in the ETSR, shall also be submitted to the NRC at the same time.

B. Radiological

A report on the radioactive discharges released from the site during the previous twelve (12) months of operation shall be submitted to the Director of the Region I Office of Inspection and Enforcement (with copies to the Director of Office of Nuclear Reactor Regulation) within 60 days

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after January 1 of each year. The report shall include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the plant following the format of Appendix B of Regulatory Guide 1.21, measuring, evaluating, and reporting radioactivity in solid wastes and releases of radioactive materials in liquid and gaseous effluents from light water-cooled nuclear power plants with data summarized on a quarterly basis following the format of Appendix B thereof.

The report shall include a summary of the meteorological conditions concurrent with the release of gaseous effluents during each quarter with data summarized on a quarterly basis following the format of Appendix B Regulatory Guide 1.21. Calculated offsite dose to humans resulting from the release of effluents and their subsequent dispersion in the atmosphere shall be reported as recommended in Regulatory Guide 1.21.

5.6.2 Nonroutine Reports

5.6.2.1 Nonroutine Environmental Operating Reports

A report shall be submitted in the event that (a) a limiting condition for operation is exceeded (as specified in Section 2.0, "Limiting Conditions for Operation"), (b) a report level is reached (as specified in Section 4.0, "Environmental Surveillance"). Reports shall be submitted under one of the report schedules described below.

- a. Prompt Report. Those events requiring prompt reports within 24 hours by telephone, telegraph, or facsimile transmission to the Director of the Region I Office of Inspection and Enforcement and within 10 days by a written report to the Director of the Region I Office of Inspection and Enforcement (with copies to

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the Director of Office of Nuclear Reactor Regulation).

- b. 30-Day Report. Those events not requiring a prompt report shall be reported within 30 days by a written report to the Director of the Region I Office of Inspection and Enforcement (with copies to the Director of Office of Nuclear Reactor Regulation).

The reporting schedule for reports concerning limiting conditions for operation and report levels shall be specified in the licensee's technical specifications. Reports concerning unusual or important events shall be reported on the prompt schedule.

Written 10-day and 30-day reports and, to the extent possible, the preliminary telephone, telegraph, or facsimile reports shall (a) describe, analyze, and evaluate the occurrence, including extent and magnitude of the impact, (b) describe the cause of the occurrence, and (c) indicate the corrective action (including any significant changes made in procedures) taken to preclude repetition of the occurrence and to prevent similar occurrences involving similar components or systems.

The significance of an unusual or apparently important event with regard to environmental impact may not be obvious or fully appreciated at the time of occurrence. In such cases, the NRC shall be informed promptly of changes in the licensee's assessment of the significance of the event and a corrected report shall be submitted as expeditiously as possible.

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5.6 Specifications (Continued)

5.6.2.2 Nonroutine Radiological Environmental Operating Report

- a. **Anomalous Measurement Report.** If, during any yearly report period, a confirmed measured level of radioactivity in any environmental medium exceeds ten times the control station value, a written report shall be submitted to the Director of the Region I Office of Inspection and Enforcement (with copies to the Director of Office of Nuclear Reactor Regulation) within 10 days after confirmation.* This report shall include an evaluation of any release conditions, environmental factors, or other aspects necessary to explain the anomalous result.

*A confirmatory reanalysis of the original, a duplicate or a new sample may be desirable, as appropriate. The results of the confirmatory analysis shall be completed at the earliest time consistent with the analysis but in any case within 30 days. If the high volume is real, the report to the NRC shall be submitted.

b. Milk Pathway Measurements

i. If cow or goat milk samples collected over a calendar quarter show average concentrations of 4.8 picocuries per liter or greater, respectively, a plan shall be submitted within 30 days advising the Director of Office of Inspection and Enforcement of the proposed action to ensure the plant-related annual doses will be within the design objective of 15 mrem/yr to the thyroid of any individual.

ii. When pasture grass is sampled rather than goat milk, if individual pasture grass samples show I-131 concentrations of 0.022 picocuries per gram (wet weight) or

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5.6 Specifications (Continued)

greater, a plan shall be submitted within 30 days advising the Director of Office of Inspection and Enforcement of the proposed action to ensure that plant-related annual doses will be within the design objective of 15 mrem/yr to the thyroid of any individual.

c. Nonroutine Radioactive Effluent Report

The reporting requirements for nonroutine radioactive discharges are specified in Section 2.4 and 3.4 of these specifications.

5.6.3 Changes in Environmental Technical Specifications

5.6.3.1 Request for changes in environmental technical specifications, except as noted in Sections 4.1.2a(3)A(iii), 5.1.1.5 or 5.1.3.6, shall be submitted to the Director for Reactor Licensing, for review and authorization. At the same time the licensee shall notify the N.Y.S. Department of Environmental Conservation of the request. The request shall include an evaluation of the environmental impact of the proposed change and a supporting benefit-cost analysis.

5.6.3.2 When changes or additions to permits and certificates required by Federal, state, local, and regional authorities for the protection of the environment are submitted to the concerned agency for approval, they will also be submitted to the Director for Reactor Licensing, USNRC, for information.

5.6.3.3 The EPC shall review all proposed changes to the non-radiological portions of the ETSR including the supporting analysis prior to submittal of such proposed changes to the NRC.

TABLE 5.6-1

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM SUMMARY

Name of Facility _____ Docket No. _____
 Location of Facility _____ Reporting Period _____
 (County, State)

Medium or Pathway Sampled (Unit of Measurement)	Analysis and Total Number of Analyses Performed	Lower Limit of Detection <u>a/</u> (LLD)	All Indicator Locations Mean <u>b/</u> Range <u>b/</u>	Location with Highest Annual Mean Name Distance and Direction	Annual Mean <u>b/</u> Range <u>b/</u>	Control Locations Mean <u>b/</u> Range <u>b/</u>	Number of Nonroutine Reported Measurements
Air Particulates (pCi/m ³)	B 416	0.603	0.08 (200/312) (0.05-2.0)	Hiddletown 5 miles 140°	0.10 (5/52) (0.08 - 2.0)	0.08 (8/104) (0.05-1.40)	1
	Y 32 137Co	0.003	0.05 (4/24) (0.03-0.13)	Smithville 2.5 miles 160°	0.08 (2/4) (0.03 - 0.13)	<LLD	4
	140Ba	0.003	0.03 (2/24) (0.01-0.08)	Podunk 4.0 miles 270°	0.05 (2/4) (0.01 - 0.08)	0.02 (1/8)	1
	89Sr	40	0.002	<LLD	-	<LLD	0
	90Sr	40	0.0003	<LLD	-	<LLD	0
	Fish pCi/kg (dry weight)	Y 8 137Co	80	<LLD	-	<LLD	90 (1/4)
134Co		80	<LLD	-	<LLD	<LLD	0
60Co		80	170 (3/4) (90-200)	River Mile 35 Podunk River	See Column 4	<LLD	0

a/ Nominal Lower Limit of Detection (LLD) as defined in NASL-300 (Rev. 8/73), pp. D-08-01, 02, 03.

b/ Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parentheses.

c/ Nonroutine reported measurements are defined in Section 5.6.2b.

d/ Note: The example data are provided for illustrative purposes only.

Amendment No. 23, Unit 1
Amendment No. 48, Unit 2

7590-01

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NOS. 50-3 AND 50-247

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

NOTICE OF ISSUANCE OF AMENDMENT TO
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 23 and 48 to Provisional Operating License No. DPR-5 and Facility Operating License No. DPR-26 issued to Consolidated Edison Company of New York, Inc. for operation of the Indian Point Station, Unit No. 1 and Indian Point Nuclear Generating Plant, Unit No. 2 (the facilities) located in Buchanan, Westchester County, New York. The amendments are effective as of the date of issuance.

These amendments revise administrative controls in the Environmental Technical Specifications, Appendix B of each license.

The applications for the amendments comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments did not involve a significant hazards consideration.

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The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the applications for amendment dated April 20, 1977, April 25, 1977, December 30, 1977, March 22, 1978, April 24, 1978 and May 10, 1978; (2) Amendment Nos. 23 and 48 to DPR-5 and DPR-26, respectively; and (3) the Commission's letter dated

All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. and at the White Plains Public Library, 100 Martine Avenue, White Plains, New York. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 17th day of February, 1979.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors