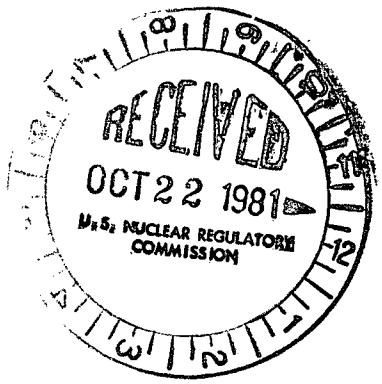
John D. O'Toole
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, NY 10003
Telephone (212) 460-2533

October 15, 1981

Re: Indian Point Unit No. 2
Docket No. 50-247



Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATTN: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Dear Mr. Varga:

Transmitted herewith, as Attachment A to this letter, is an expanded list of "Class A" items to be included as a revised Appendix A to our "Quality Assurance Program" description dated June 3, 1977. This expanded list was developed consistent with the criteria identified in our answer to Question 1 of our letter to you dated March 11, 1981. Our "Quality Assurance Program" description dated June 3, 1977 will be revised to reflect the attached, as identified in our March 11, 1981 answer to Question 36.

Should you or your staff have any questions, please contact us.

Very truly yours,

George Wardenho-fa
J. O'Toole

Add: QAB

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ATTACHMENT A

List of Class A Items

1) Core and Reactor Internals

2) Control Rods and Control Rod Drives and Drive Housings

3) Primary Coolant System

- o Pressurizer System
- o Primary Relief System
- o Reactor Coolant Pump Shaft
- o Reactor Coolant Pump Flywheel
- o Reactor Coolant Pump Seals
- o All pressure boundaries (vessels, pumps, piping and valves) through the second pressure boundary isolation device.

4) Secondary Coolant System

- o Main Steam Lines up to and including the second Main Steam Isolation Valves (MS-2).
- o Main Feedwater System to the Steam Generator downstream of and including the system's second Isolation Valve
- o Boiler Blowdown from the Steam Generators up to and including the system's isolation valves.
- o The Main Steam line to the Auxiliary Feedwater Turbine Drive.

5) Auxiliary Boiler Feedwater System

Includes:
- o Condensate Storage Tank, supply piping and valves to the Auxiliary Feedwater pumps
- o City water to Auxiliary Feedwater pump up to and including valve CT-49.

6) Chemical and Volume Control System

7) Containment Building

Includes:
- o Access Air Locks
- o All piping and electrical penetrations
- o Internal floors, walls and structural steel

8) Containment Isolation System

9) Containment Spray System

10) Containment Air Recirculation Cooling And Filtration System.

11) Gaseous Waste Processing System

12) Liquid Waste Processing System

13) Nuclear Service Water System

- o All cooling paths to and from nuclear safety related equipment

14) Instrument Air System

- o Compressor and associated equipment and essential air header to nuclear instruments, controls and valves.

15) Fuel Handling System

16) Reactor Control and Instrumentation System.

17) Sampling System

- o Including only pressurized lines up to the second Containment Isolation Valve.

18) On-site Emergency A.C. Power System

Includes:
- o Electrical components and circuitry up to and including isolation devices for non-emergency loads.
- o Emergency Diesel Generators and Diesel Generator Auxiliary Systems. ie: fuel oil, Cooling Water and Startup air Systems.

19) On-site D.C. Power Systems

Includes:
- o Electrical components and circuitry up to and including isolation devices for non-emergency loads.

20) Process and Area Radiation Monitoring Systems

21) Containment Penetration and Weld Channel Pressurization System.

22) Hot Penetration Cooling System

23) Isolation Valve Seal Water System

24) Post Accident Hydrogen Control System

Includes:
- o Hydrogen Recombiner System
- o Post accident containment vent system

25) Safety Injection System

26) Residual Heat Removal System

Includes:
- o Low head injection for ECCS
- o External and Internal Recirculation Systems
- o Recirculation & Containment Sumps

27) Component Cooling System

Includes:
- o Auxiliary Component Cooling Pumps and Piping.

28) Injection Water Storage System

- o Refueling Water Storage Tank
- o Piping and Valves to high head & low head safety injection.

29) Spent Fuel Pool Cooling and Make-up System

30) Ventilation/Filtration System for Areas Containing Safety Related Systems and Systems containing Radioactivity..

31) Reactor Vessel Service and Inspection Equipment

Includes:
- o Polar Crane
- o Equipment that is used over the core and that could cause damage to the nuclear fuel assemblies during the time the reactor head is removed.
- o Reactor Vessel and Head inspection tools.

32) Containment Sump System

Includes:
- o Sump Pumps
- o Piping, flow and level Instruments
- o Level Instrumentation in the reactor cavity sump.

33) Primary Coolant Leak Detection System

34) All Regulating Systems, Controlling Systems and instrumentation used with the above listed items.

Includes:
- o Indications & alarms used to determine operator action before (normal operation), during and following a postulated accident.

35) Supports required for all the above listed items

Includes:
- o Structures and Seismic Restraining Devices

36) All items designed in Design Specification as per ASME Section III, Classes 1, 2 and 3.

37) All equipment performing Category 1 or 2 functions per Regulatory Guide 1.97

The following consumables used in conjunction with the items listed above:

38) Diesel Generator Fuel Oil

39) Boric Acid

40) Lubricating Fluids whose loss could degrade critical components

41) Demineralizer Resin

Includes:
- o Resins used in the Chemical and Volume Control Systems.

42) Sodium Hydroxide for use in the Containment Spray System.

43) Weld Rod and Weld Filler Material

44) Hydraulic Snubber Fluids and Seals.