



Indian Point Energy Center
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Fred Dacimo
Site Vice President
Administration

April 23, 2007

Re: Indian Point Units No. 2 & 3
Docket Nos. 50-247, 50-286
NL-07-040

Document Control Desk
U.S. Nuclear Regulatory Commission
Mail Stop O-P1-17
Washington, DC 20555-0001

Subject: Indian Point Energy Center
Docket No. (Unit 2) 50-247 (License No. DPR-26)
Docket No. (Unit 3) 50-286 (License No. DPR-64)
License Renewal Application Boundary Drawings

Reference: NL-07-039, License Renewal Application, dated April 23, 2007.

Dear Sir or Madam:

By the referenced letter, Entergy Nuclear Operations, Inc. submitted the License Renewal Application for the Indian Point Energy Center. The LRA references boundary drawings used in the scoping phase of the license renewal project. Enclosed is a copy of the boundary drawings which are provided to aid the Staff in the review of the application.

This letter contains no new commitments.

Please contact Mr. T.R. Jones, Acting Manager of Licensing at (914) 734-6670 if you have any questions regarding this subject.

Sincerely,

Fred Dacimo
Site Vice President

Enclosure: License Renewal Application Boundary Drawings

cc: with Enclosure

Mr. John P. Boska, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
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U. S. Nuclear Regulatory Commission
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cc: without Enclosure

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Albany, NY 12203-6399

ENCLOSURE TO NL-07-040

License Renewal Application Boundary Drawings

ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT UNIT 2 AND 3 NUCLEAR POWER PLANTS
DOCKET NOS. 50-247 AND 50-286

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-D-8775-002-0	2	2	Con-Ed Halon System Cable Spreading Room	lra-d-8775-002_04
LRA-D-8775-004-0	4	2	Con-Ed Halon System Cable Spreading Room	lra-d-8775-004_03
LRA-D-8775-005-0	5	2	Con-Ed Halon System Cable Spreading Room	lra-d-8775-005_02
LRA-D-227176-0		2	Main Steam System Isolation Loops VAS. MS-1-21, MS-1-22, MS-1-23 and MS-1-24	lra-d-227176_01
LRA-D-360858-0		3	Series D-1000 Valve Assembly with Mod. D-1000-160 DA Actuator	lra-d-360858_00
LRA-1952M015-0		2	Con-Ed Indian Point Unit 2 RCP Motor Oil Collection System/Oil Collection Enclosures Drain Piping	lra-1952-m-015_0b
LRA-138248-0	1	1	Ventilation Control Diagrams Sh 1 UFSAR Figure No. 9.9-1	lra-138248_09
LRA-192505-0	1	1	Flow Diagram City Water System - UFSAR Figure No. 9.6-5 (Sh.1)	lra-192505_18
LRA-192506-0	2	1	Flow Diagram City Water System - UFSAR Figure No. 9.6-5 (Sh.2)	lra-192506_40
LRA-193183-0	3	1	Flow Diagram City Water System - UFSAR Figure No. 9.6-5 (Sh.3)	lra-193183_27
LRA-207698-0		2	Flow Diagram Lube Oil for Diesel Generators 21, 22, 23	lra-207698_26
LRA-208168-0		2	Flow Diagram Chemical And Volume Control System - UFSAR Figure No. 9.2-1 (Sh.2)	lra-208168_53
LRA-208479-0		2	Flow Diagram Containment Building Post Accident Containment Air Sampling System - UFSAR Figure No. 6.8-4	lra-208479_25
LRA-208798-0		2	Flow Diagram Reactor Vessel Level Instrumentation System - UFSAR Figure No. 4.2-12	lra-208798_17
LRA-208879-0		2	Flow Diagram Post Accident Containment Venting System - UFSAR Figure No. 6.8-3	lra-208879_22
LRA-209762-0	2	2	Flow Diagram Service Water System Nuclear Steam Supply Plant - UFSAR Figure No. 9.6-1 (Sh.2)	lra-209762_66
LRA-226037-0		2	P&ID for Radiation Monitor R-46 Fan Cooler Service Water Return (Upstream)	lra-226037_07

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-226038-0		2	P&ID for Radiation Monitor R-49 Steam Generator Blowdown	Ira-226038_08
LRA-227178-0		2	Flow Diagram Sampling System - UFSAR Figure No. 9.4-1 (Sh.2)	Ira-227178_14
LRA-227551-0	1	2	Fire Protection System Diagram	Ira-227551_61
LRA-227552-0	2	2	Fire Protection System Diagram	Ira-227552_42
LRA-227553-0	3	2	Fire Protection System Diagram	Ira-227553_49
LRA-227554-0	4	2	Fire Protection System Diagram	Ira-227554_25
LRA-227780-0		2	Flow Diagram Main Steam - UFSAR Figure No. 10.2-1 (Sh.1)	Ira-227780_52
LRA-227781-0		2	Flow Diagram Auxiliary Coolant System – UFSAR Figure No. 9.3-1 (Sh.1)	Ira-227781_79
LRA-235117-0		2	Flow Diagram for Radiation Monitors R-46, R-49 and R-53	Ira-235117_3
LRA-235122-0		2	Flow Diagram for Radiation Monitors R-39, R-40, R-47 and R-48	Ira-235122_4
LRA-235296-0		2	Flow Diagram Safety Injection System - UFSAR Figure No. 6.2-1 (Sh.2)	Ira-235296_69
LRA-235306-0		2	Flow Diagram Nitrogen To Nuclear Equipment	Ira-235306_14
LRA-235308-0		2	Flow Diagram Main Steam – UFSAR Figure No. 10.2-1 (Sh.3)	Ira-235308_47
LRA-235309-0		2	Flow Diagram Chemical and Volume Control System – UFSAR Figure No. 9.2-1 (Sh.4)	Ira-235309_33
LRA-238106-0		2	Radiation Monitoring System P&ID Diagram for Monitors R-41/R-42	Ira-238106_11
LRA-242656-0		2	Flow Diagram Instrument Air Primary Auxiliary Building Diesel Generator Building Boric Acid Evaporation Building Nuclear TK Pad And Waste Hold Up Pit	Ira-242656_29
LRA-242687-0		2	P&ID for Radiation Monitor R-53 Fan Cooler Service Water Return (Downstream)	Ira-242687_08
LRA-242688-0		2	Flow Diagram Instrument Air Containment Building and Auxiliary Boiler Feed Pump Building	Ira-242688_24
LRA-250073-0		2	Loop Diagram NO2 Supply and O2 Analyzer Cond. Storage Tank Loop 6854	Ira-250073_06

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-251232-0		2	Steam Supply Auxiliary Feed Water Pump #22 Loop Numbers 1118, 1126, 1176, 1310 and 1311	Ira-251232_11
LRA-251783-0		2	Flow Diagram Auxiliary Coolant System Residual Heat Removal Pumps – UFSAR Figure No. 9.3-1 (Sh.3)	Ira-251783_28
LRA-252665-0		2	Control Building (CCR) Control And Air Flow Diagrams - UFSAR Figure No. 9.9-1	Ira-252665_16
LRA-260586-0		2	Flow Diagram Fuel Forwarding System (Gas Turbine #1)	Ira-260586_10
LRA-302773-0		2	Flow Diagram Fuel Oil System (Gas Turbine #2)	Ira-302773_06
LRA-304122-0		2	Flow Diagram Fuel Forwarding System (Gas Turbine #2 and #3)	Ira-304122_06
LRA-308762-0		2	Flow Diagram for IA/N2 Supply to Pressurizer & Steam Generator Instrument	Ira-308762_03
LRA-400881-0	NR	2	P&ID Fuel Oil System Mechanical Station Blackout and Appendix R Diesel Generator Set – NOT AN APPROVED DRAWING	Ira-400881_nr
LRA-400882-0	NR1	2	P&ID Diesel Cooling Water System Mechanical Station Blackout and Appendix R Diesel Generator Set – NOT AN APPROVED DRAWING	Ira-400882_nr1
LRA-400885-0	NR1	2	Composite Piping Arrangement Sections Mechanical Station Blackout and Appendix R Diesel Generator Set – NOT AN APPROVED DRAWING	Ira-400885_nr1
LRA-9321-2017-0		2	Flow Diagram Main Steam - UFSAR Figure No. 10.2-1 (Sh.2)	Ira-9321-2017_83
LRA-9321-2018-0		2	Flow Diagram Condensate And Boiler Feed Pump Section - UFSAR Figure No. 10.2-5 (Sh.1)	Ira-9321-2018_140
LRA-9321-2019-0		2	Flow Diagrams Boiler Feedwater - UFSAR Figure No. 10.2-7	Ira-9321-2019_112
LRA-9321-2025-0		2	Flow Diagram Condenser Air Removal And Waterbox Priming - UFSAR Figure No. 10.2-4	Ira-9321-2025_55

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-9321-2027-0		2	Flow Diagram Auxiliary Steam Supply And Condensate Return System	Ira-9321-2027_61
LRA-9321-2028-0		2	Flow Diagram Jacket Water To Diesel Generators	Ira-9321-2028_36
LRA-9321-2029-0		2	Flow Diagram Starting Air To Diesel Generators	Ira-9321-2029_49
LRA-9321-2030-0		2	Flow Diagram Fuel Oil To Diesel Generators	Ira-9321-2030_39
LRA-9321-2035-0		2	Flow Diagram Station Air - UFSAR Figure No. 9.6-7	Ira-9321-2035_43
LRA-9321-2036-0		2	Flow Diagram Instrument Air Control Building Conventional Plant - UFSAR Figure No. 9.6-6	Ira-9321-2036_95
LRA-9321-2038-0		2	Flow Diagram Chemical Feed	Ira-9321-2038_50
LRA-9321-2041-0	1	2	Flow Diagram Main Steam Traps	Ira-9321-2041_34
LRA-9321-2042-0	2	2	Flow Diagram Main Steam Traps	Ira-9321-2042_21
LRA-9321-2719-0		2	Flow Diagram Waste Disposal System - UFSAR Figure No. 11.1-1 (Sh.1)	Ira-9321-2719_130
LRA-9321-2720-0		2	Flow Diagram Auxiliary Coolant System - UFSAR Figure No. 9.3-1 (Sh.2)	Ira-9321-2720_86
LRA-9321-2722-0	1	2	Flow Diagram Service Water System Nuclear Steam Supply Plant - UFSAR Figure No. 9.6-1 (Sh.1)	Ira-9321-2722_114
LRA-9321-2723-0		2	Flow Diagram Nitrogen to Nuclear Equipment	Ira-9321-2723_73
LRA-9321-2724-0		2	Flow Diagram Primary Make-Up Water System Nuclear Steam Supply Plant - UFSAR Figure No. 9.2-2	Ira-9321-2724_55
LRA-9321-2726-0		2	Flow Diagram Penetration And Liner Weld Joint Channel Pressurization System - UFSAR Figure No. 6.6-1	Ira-9321-2726_75
LRA-9321-2727-0		2	Flow Diagram Hydrogen Recombiner System - UFSAR Figure No. 6.8-5	Ira-9321-2727_40
LRA-9321-2729-0		2	Flow Diagram Steam Generator Blowdown & Blowdown Sample System	Ira-9321-2729_66
LRA-9321-2730-0	2	2	Flow Diagram Waste Disposal System - UFSAR Figure No. 11.1-1 (Sh.2)	Ira-9321-2730_71
LRA-9321-2735-0		2	Flow Diagram Safety Injection System - UFSAR Figure No. 6.2-1 (Sh.1)	Ira-9321-2735_136

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Drawing	Sheet #	Unit #	Title	Filename
LRA-9321-2736-0		2	Flow Diagram Chemical & Volume Control System - UFSAR Figure No. 9.2-1 (Sh.1)	Ira-9321-2736_122
LRA-9321-2737-0	2	2	Flow Diagram Chemical and Volume Control System – UFSAR Figure 9.2-1 (Sh.3)	Ira-9321-2737_53
LRA-9321-2738-0		2	Flow Diagram Reactor Coolant System - UFSAR Figure No. 4.2-1	Ira-9321-2738_116
LRA-9321-2745-0		2	Flow Diagram Sampling System - UFSAR Figure No. 9.4-1 (Sh.1)	Ira-9321-2745_58
LRA-9321-2746-0		2	Flow Diagram Isolation Valve Seal Water System - UFSAR Figure No. 6.5-1	Ira-9321-2746_42
LRA-9321-2750-0		2	Flow Diagram Containment Building Leak Rate Test and Pressurization System	Ira-9321-2750_08
LRA-9321-4006-0		2	Yard Fire Protection Piping	Ira-9321-4006_74
LRA-9321-4022-0		2	Flow Diagram Ventilation System Containment, Primary Auxiliary Building, Fuel Storage Building - UFSAR Figure 5.3-1	Ira-9321-4022_60
LRA-9321-7052-0	5	2	Penetration and Liner Weld Joint Channel Pressurization Piping	Ira-9321-7052_38
LRA-9321-20173-0		3	Flow Diagram Main Steam	Ira-9321-20173_69
LRA-9321-20183-001-0		3	Flow Diagram Condensate & Boiler Feed Pump Suction	Ira-9321-20183-001_60
LRA-9321-20193-0		3	Flow Diagram Boiler Feedwater	Ira-9321-20193_57
LRA-9321-20253-0		3	Flow Diagram Condenser Air Removal & Water Box Priming	Ira-9321-20253_33
LRA-9321-20283-0		3	Flow Diagram Jacket Water To Diesel Generators	Ira-9321-20283_20
LRA-9321-20293-0		3	Flow Diagram Starting Air To Diesel Generators	Ira-9321-20293_27
LRA-9321-20303-0		3	Flow Diagram Fuel Oil to Diesel Generators	Ira-9321-20303_28
LRA-9321-20313-0		3	Flow Diagram Extraction Steam Trap System	Ira-9321-20313_19
LRA-9321-20333-001-0	1	3	Flow Diagram Service Water System	Ira-9321-20333-001_49
LRA-9321-20343-001-0	1	3	Flow Diagram City Water	Ira-9321-20343-001_32
LRA-9321-20343-002-0	2	3	Flow Diagram City Water	Ira-9321-20343-002_17
LRA-9321-20353-0		3	Flow Diagram Station Air	Ira-9321-20353_28
LRA-9321-20363-002-0	2	3	Flow Diagram Instrument Air	Ira-9321-20363-002_07
LRA-9321-20383-0		3	Flow Diagram Chemical Feed	Ira-9321-20383_28

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-9321-20413-0	1	3	Flow Diagram Main Steam Traps	Ira-9321-20413_25
LRA-9321-20423-0	2	3	Flow Diagram Main Steam Traps	Ira-9321-20423_12
LRA-9321-21193-0		3	Flow Diagram Lube Oil to Diesel Generators	Ira-9321-21193_07
LRA-9321-21203-0		3	Flow Diagram Appendix "R" 6.9 KV Emergency Diesel Generator Lube Oil System	Ira-9321-21203_02
LRA-9321-21213-0		3	Flow Diagram Appendix "R" 6.9 KV Emergency Diesel Generator Fuel Oil System	Ira-9321-21213_05
LRA-9321-21223-0		3	Flow Diagram Appendix "R" 6.9 KV Emergency Diesel Generator Jacket Water System	Ira-9321-21223_03
LRA-9321-21233-0		3	Flow Diagram Appendix "R" 6.9 KV Emergency Diesel Generator Starting Air System	Ira-9321-21233_03
LRA-9321-21543-0	1	3	Alteration of Auxiliary Boiler Feed Pump Room IA Nitrogen Back-Up Piping	Ira-9321-21543_00
LRA-9321-23523-0		3	Containment Building Reactor Coolant Pump #31 Oil Collection System	Ira-9321-23523_01
LRA-9321-24043-0		3	Flow Diagram Breathable Air System	Ira-9321-24043_02
LRA-9321-24403-0		3	Flow Diagram Fire Protection CO2 & Halon	Ira-9321-24403_07
LRA-9321-26533-0		3	Flow Diagram Containment Hydrogen Concentration Measurement & Post Accident Containment Venting System	Ira-9321-26533_15
LRA-9321-27193-001-0	1	3	Flow Diagram Waste Disposal System Containment	Ira-9321-27193-001_45
LRA-9321-27193-002-0	2	3	Flow Diagram Waste Disposal System PAB	Ira-9321-27193-002_13
LRA-9321-27203-0		3	Flow Diagram Auxiliary Coolant System Inside Containment	Ira-9321-27203_29
LRA-9321-27223-0		3	Flow Diagram Service Water System Nuclear Steam Supply Plant	Ira-9321-27223_42
LRA-9321-27233-0		3	Flow Diagram Nitrogen to Nuclear Equipment	Ira-9321-27233_38
LRA-9321-27243-0		3	Flow Diagram Primary Make-Up Water System Nuclear Steam Supply Plant	Ira-9321-27243_42
LRA-9321-27263-0		3	Flow Diagram Penetration and Liner Weld Joint Channel Pressurization System	Ira-9321-27263_45
LRA-9321-27273-0		3	Flow Diagram Auxiliary Steam and Condensate for Primary Auxiliary Building	Ira-9321-27273_28

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-9321-27293-001-0	1	3	Flow Diagram Steam Generator Blowdown System	Ira-9321-27293-001_32
LRA-9321-27293-002-0	2	3	Flow Diagram Steam Generator Blowdown Sample Panel	Ira-9321-27293-002_15
LRA-9321-27303-0		3	Flow Diagram Waste Disposal System Gas	Ira-9321-27303_26
LRA-9321-27353-0	1	3	Flow Diagram Safety Injection System	Ira-9321-27353_39
LRA-9321-27363-0	1	3	Flow Diagram Chemical & Volume Control System	Ira-9321-27363_51
LRA-9321-27383-0	1	3	Flow Diagram Reactor Coolant System	Ira-9321-27383_27
LRA-9321-27453-0		3	Flow Diagram Sampling System	Ira-9321-27453_30
LRA-9321-27463-0		3	Flow Diagram Isolation Valve Seal Water System	Ira-9321-27463_30
LRA-9321-27473-0	2	3	Flow Diagram Reactor Coolant System	Ira-9321-27473_41
LRA-9321-27503-0	2	3	Flow Diagram Safety Injection System	Ira-9321-27503_45
LRA-9321-27513-001-0	1	3	Flow Diagram Auxiliary Coolant System In Primary Auxiliary Building & Fuel Storage Building	Ira-9321-27513-001_29
LRA-9321-27513-002-0	2	3	Flow Diagram Auxiliary Coolant System in Primary Auxiliary Building and Fuel Storage Building	Ira-9321-27513-002_42
LRA-9321-27783-0		3	Flow Diagram Containment Building Leak Rate Test & Pressurization System	Ira-9321-27783_08
LRA-9321-40223-0		3	Flow Diagram Ventilation System for Containment Primary Auxiliary and Fuel Storage Buildings	Ira-9321-40223_32
LRA-9321-40903-0	1	3	Flow Diagram of Plant Fire Protection System	Ira-9321-40903_29
LRA-9321-40913-001-0	1	3	Flow Diagram Of Plant Fire Protection System	Ira-9321-40913-001_25
LRA-9321-41023-001-0	1	3	Flow Diagram Ventilation System For Turbine Diesel Generator, Control Building, Electrical Tunnels and Auxiliary Feed Pump Building	Ira-9321-41023-001_23
LRA-9321-41023-002-0	2	3	Flow Diagram Control Room	Ira-9321-41023-002_04
LRA-9321-41283-0	1	3	Flow Diagram House Boiler Building Auxiliary Steam Supply System	Ira-9321-41283_13
LRA-9321-41683-0		3	H&V and Drainage - Fire Pump House - Flow Diagram, Plans and Details	Ira-9321-41683_02

**INDIAN POINT
LRA DRAWING LIST**

Drawing	Sheet #	Unit #	Title	Filename
LRA-9321-51081-0		3	Containment Building Reactor Coolant Pump #31 Oil Collection System	Ira-9321-51081_02
LRA-9321-70093-0		3	Instrument Air Supply Instrumentation & Restraint & Support Design	Ira-9321-70093_19
LRA-9321-70123-0		3	Instrument Piping Schematics Instrumentation	Ira-9321-70123_17
LRA-9321-70453-0		3	Radiation Monitoring Installation Details Instrumentation	Ira-9321-70453_25
LRA-9321-72043-0		3	Containment Building Reactor Vessel Level Instrumentation System Flow Diagram	Ira-9321-72043_05