

ATTACHMENT A

APPLICATION FOR AMENDMENT
TO OPERATING LICENSE

Technical Specification
Page Revisions

Consolidated Edison Company of New York, Inc.
Indian Point Unit No. 2
Docket No. 50-247
Facility Operating License No. DPR-26
August, 1982

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3.6 CONTAINMENT SYSTEM

Applicability

Applies to the integrity of reactor containment.

Objective

To define the operating status of the reactor containment for plant operation.

Specification

A. Containment Integrity

1. The containment integrity (as defined in 1.7) shall not be violated unless the reactor is in cold shutdown condition. However, those non-automatic valves listed in Table 3.6-1 and any test connection valves which are located between containment isolation valves and which are normally closed with threaded caps or blind flanges installed, may be opened if necessary for plant operation or for testing and only as long as necessary to perform the intended function.

2. Non-automatic containment isolation valves may be added to plant systems without prior license amendment to Table 3.6-1 provided that a revision to this Table is included in a subsequent license amendment application.

3. The containment integrity shall not be violated when the reactor vessel head is removed unless the boron concentration is sufficient to maintain the shutdown margin $\geq 10\% \Delta k/k$.
4. Except as specified in 3.6.A.5 below, if containment integrity requirements are not met when the reactor is above cold shutdown, containment integrity shall be restored within four hours or the reactor shall be brought to a cold shutdown condition within the next 36 hours, utilizing normal operating procedures.
5. With one or more isolation valve(s) inoperable, maintain at least one isolation valve operable in each affected penetration and either:
 - a. Restore the inoperable valve(s) to operable status within 4 hours, or
 - b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic isolation valve secured in the isolation position, or
 - c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange that meets the design criteria for an isolation valve; or
 - d. Be in cold shutdown within the following 36 hours, utilizing normal operating procedures.

TABLE 3.6-1

NON-AUTOMATIC CONTAINMENT ISOLATION VALVES OPEN CONTINUOUSLY
OR INTERMITTENTLY FOR PLANT OPERATION

3418	851A	SWN-44-5-A	1814B
3419	850A	SWN-51-5	1814C
		SWN-44-1-A	
4136	851B	SWN-51-1	5018
			5019
744	850B	SWN-44-2-A	5020
888A	859A	SWN-44-3-A	5021
888B	859C	SWN-51-2	5022
958	863	SWN-51-3	5923
959	3416	SWN-44-4-A	5024
990D	3417	SWN-51-4	5025
1870	5459	SWN-71-5-A	E-2
743	753H	SWN-71-1-A	E-1
732	753G	SWN-71-2-A	E-3
885A	SWN-41-5-A	SWN-71-3-A	E-5
885B	SWN-42-5	SWN-71-4-A	MW-17 (two valves)
205	SWN-43-5	SA-24	85C
226	SWN-41-1-A	SA-24-1	85D
227	SWN-42-1	PCV-1111-1	95C
250A	SWN-43-1	PCV-1111-2	95D
4925	SWN-41-2-A	580A	
250B	SWN-42-2	580B	
4926	SWN-43-2	UH-43	
250C	SWN-41-3-A	UH-44	
4927	SWN-42-3	990A	
250D	SWN-43-3	990B	
4928	SWN-41-4-A	1814A	
869A	SWN-42-4		
878 ^A	SWN-43-4		
869B			

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TABLE 4.4-1 (Page 1 of 14)
CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
549	PRT to Gas Analyzer	Water ⁽⁴⁾	52
548	" " "	Water ⁽⁴⁾	52
518	PRT N ₂ Supply	Gas	47
3418	" " "	Gas	47
3419	" " "	Gas	47
4136	" " "	Gas	47
552	PRT Makeup Water	Water ⁽⁴⁾	52
519	" " "	Water ⁽⁴⁾	52
741	RHR return to RCS	Water ⁽⁵⁾	52 ⁽³⁾
744	" " " "	Nitrogen ⁽⁴⁾	47 ⁽³⁾
888A	RHR to S.I. Pumps	Nitrogen ⁽⁴⁾	47
888B	" " " "	Nitrogen ⁽⁴⁾	47
958	RHR to Sample System	Nitrogen ⁽⁴⁾	47
959	" " " "	Nitrogen ⁽⁴⁾	47
990D	" " " "	Nitrogen ⁽⁴⁾	47
1870	RHR from RCS	Nitrogen ⁽⁴⁾	47
743	" " "	Nitrogen ⁽⁴⁾	47
732	" " "	Nitrogen ⁽⁴⁾	47 ⁽³⁾
885A	Cont. Sump Recirc. Line	Water ⁽⁵⁾	52
885B	" " " "	Water ⁽⁵⁾	52
201	Letdown Line (CVCS)	Water ⁽⁴⁾	52
202	" " "	Water ⁽⁴⁾	52

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TABLE 4.4-1 (Page 2 of 14)
CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
205	Charging Line (CVCS)	Water ⁽⁴⁾	52
226	" " "	Water ⁽⁴⁾	52
227	" " "	Water ⁽⁴⁾	52
250A	RCP Seal Water (CVCS)	Water ⁽⁴⁾	52
4925	" " " "	Water ⁽⁴⁾	52
250B	" " " "	Water ⁽⁴⁾	52
4926	" " " "	Water ⁽⁴⁾	52
250C	" " " "	Water ⁽⁴⁾	52
4927	" " " "	Water ⁽⁴⁾	52
250D	" " " "	Water ⁽⁴⁾	52
4928	" " " "	Water ⁽⁴⁾	52
222	" " " "	Water ⁽⁴⁾	52
956E	RCS to Sample System	Water ⁽⁴⁾	52
956F	" " " "	Water ⁽⁴⁾	52
869A	Cont. Spray System	Water ⁽⁴⁾	52
867A	" " "	Gas	47
878A	" " "	Gas	47

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
869B	Cont. Spray System	Water (4)	52
867B	" " "	Gas	47
851A	Safety Inj. System	Water (4)	52
850A	" " "	Water (4)	52
851B	" " "	Water (4)	52
850B	" " "	Water (4)	52
859A	S.I. Test Line	Water (4)	52
859C	" " "	Water (4)	52
4312	Acc. & OPS N ₂ Supply	Gas	47
863	" " " " "	Gas	47
956G	Acc. to Sample System	Water (4)	52
956H	" " " "	Water (4)	52

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TABLE 4.4-1 (Page 4 of 14)
CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
1786	RCDT to Vent Header	Water (4)	52
1787	" " " "	Water (4)	52
3416	RCDT N ₂ Supply	Gas	47
3417	" " "	Gas	47
5459	" " "	Gas	47
1616	" " "	Gas	47
1788	RCDT to Gas Analyzer	Water (4)	52
1789	" " "	Water (4)	52
1702	RCDT to WHT (WDS)	Water (4)	52
1705	" " "	Water (4)	52
797	RCP. Comp. Cooling (CCS)	Water (4)	52
784	" " "	Water (4)	52
FCV-625	" " "	Water (4)	52
791	Excess Letdown Cool. (CCS)	Water (4)	52
798	" " "	Water (4)	52
796	" " "	Water (4)	52

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TABLE 4.4-1 (Page 5 of 14)
CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
793	Excess Letdown Cool (CCS)	Water (4)	52
1728	Cont. Sump to WHT (WDS)	Water (4)	52
1723	" " " "	Water (4)	52
1234	Cont. Air Sample	Gas (7)	47
1235	" " "	Gas (7)	47
1236	" " "	Gas (7)	47
1237	" " "	Gas (7)	47
PCV-1229	Air Ejector to Cont.	Gas (7)	47
PCV-1230	" " " "	Gas (7)	47
PCV-1214	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1214A	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1215	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1215A	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1216	Steam Gener. Blowdown/ Sample	Water (4)	52

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
PCV-1216A	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1217	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1217A	Steam Gener. Blowdown/ Sample	Water (4)	52
PCV-1223	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
PCV-1223A	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
PCV-1224	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
PCV-1224A	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
PCV-1225	S.G. to Sample System (Obsolete - Capped)	Water (4)	52

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
PCV-1225A	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
PCV-1226	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
PCV-1226A	S.G. to Sample System (Obsolete - Capped)	Water (4)	52
SWN-41-5-A	Cont. Fan Cooler-Ser. Wtr.	Water (6)	52
SWN-43-5	" " " "	Water (6)	52
SWN-42-5	" " " "	Water (6)	52
SWN-41-1-A	" " " "	Water (6)	52
SWN-43-1	" " " "	Water (6)	52
SWN-42-1	" " " "	Water (6)	52
SWN-41-2-A	" " " "	Water (6)	52

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
SWN-43-2	Cont. Fan Cooler-Ser. Wtr	Water (6)	52
SWN-42-2	" " " " "	Water (6)	52
SWN-41-3-A	" " " " "	Water (6)	52
SWN-43-3	" " " " "	Water (6)	52
SWN-42-3	" " " " "	Water (6)	52
SWN-41-4-A	" " " " "	Water (6)	52
SWN-43-4	" " " " "	Water (6)	52
SWN-42-4	" " " " "	Water (6)	52
SWN-44-5-A	" " " " "	Water (6)	52
SWN-51-5	" " " " "	Water (6)	52
SWN-44-1-A	" " " " "	Water (6)	52
SWN-51-1	" " " " "	Water (6)	52

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
SWN-44-2-A	Cont. Fan Cooler-Ser.Wtr	Water (6)	52
SWN-51-2	" " " " "	Water (6)	52
SWN-44-3-A	" " " " "	Water (6)	52
SWN-51-3	" " " " "	Water (6)	52
SWN-44-4-A	" " " " "	Water (6)	52
SWN-51-4	" " " " "	Water (6)	52
SWN-71-5-A	" " " " "	Water (6)	52
SWN-71-1-A	" " " " "	Water (6)	52
SWN-71-2-A	" " " " "	Water (6)	52
SWN-71-3-A	" " " " "	Water (6)	52

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
SWN-71-4-A	Cont. Fan Cooler Ser. Wtr.	Water (6)	52
SA-24	Service Air to Cont.	Water (4)	52
SA-24-1	" " " "	Water (4)	52
580A	Dead Weight Tester	Gas	47
580B	" " "	Gas	47
UH-43	Auxiliary Steam System	Water (4)	52
UH-44	" " "	Water (4)	52
MW-17	City Wtr. to Cont.	Water (4)	52
MW-17	" " " "	Water (4)	52
1170	Cont. Purge System	Gas (7)	47
1171	" " "	Gas (7)	47
1172	" " "	Gas (7)	47
1173	" " "	Gas (7)	47

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
1190	Cont. Pressure Relief	Gas (7)	47
1191	" " "	Gas (7)	47
1192	" " "	Gas (7)	47
990A	Recirc. Pump to Samp. Sys.	Nitrogen (4)	47
990B	" " "	Nitrogen (4)	47
956A	Pressurizer to Samp. Sys.	Water (4)	52
956B	" " "	Water (4)	52
956C	" " "	Water (4)	52
956D	" " "	Water (4)	52
1814A	Cont. Pressure Instr.	Gas	47
1814B	" " "	Gas	47
1814C	" " "	Gas	47

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
5018	Post Acc. Cont.	Gas	47
	Sampling		
5019	" " "	Gas	47
5020	" " "	Gas	47
5021	" " "	Gas	47
5022	" " "	Gas	47
5023	" " "	Gas	47
5024	" " "	Gas	47
5025	" " "	Gas	47
IV-1A	O ₂ Supply to Cont.	Gas	47
IV-1B	" " "	Gas	47
IV-2A	" " "	Gas	47
IV-2B	" " "	Gas	47
3420	H ₂ Supp. To H ₂ Recomb.	Gas	47
IV-3A	" " "	Gas	47

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CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
3421	H ₂ Supp. To H ₂ Recomb.	Gas	47
IV-5A	" " "	Gas	47
3422	" " "	Gas	47
IV-3B	" " "	Gas	47
3423	" " "	Gas	47
IV-5B	" " "	Gas	47
IA-39	Inst. Air to Cont.	Gas	47
PCV-1228	" " "	Gas	47
E-2	Post Acc. Vent Exh.	Gas (7)	47
E-1	" " "	Gas (7)	47
E-3	" " "	Gas (7)	47
E-5	" " "	Gas (7)	47
85A	Personnel Airlock	Gas	47
85B	" " "	Gas	47
85C	" " "	Gas (7)	47
85D	" " "	Gas (7)	47

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TABLE 4.4-1 (Page 14 of 14)
CONTAINMENT ISOLATION VALVES

Valve No.	System (1)	Test Fluid (2)	Minimum Test Pressure (PSIG)
95A	Equipment Airlock	Gas	47
95B	" " "	Gas	47
95C	" " "	Gas (7)	47
95D	" " "	Gas (7)	47
4399	Sample Return to Cont. Sump.	Water (4)	52
5132	" " "	Water (4)	52

Notes:

1. System description in which valve is located.
2. Gas Test Fluid indicates either nitrogen or air as test medium.
3. Testable only when at cold shutdown.
4. Isolation Valve Seal Water System.
5. Sealed by Residual Heat Removal System fluid.
6. Sealed by Service Water System.
7. Sealed by Weld Channel and Penetration Pressurization System.

ATTACHMENT B

APPLICATION FOR AMENDMENT
TO OPERATING LICENSE

Safety Assessment

Consolidated Edison Company of New York, Inc.

Indian Point Unit No. 2

Docket No. 5J-247

Facility Operating License No. DPR-26

August, 1982

SAFETY ASSESSMENT

The proposed technical specification revisions, contained in Attachments A and B to this Application, would effect certain administrative changes to the Facility Organization. Specifically the proposed revision to Figures 3.2 and 6.2-2 of the Indian Point Unit No. 1 and Indian Point Unit No. 2 Technical Specifications respectively, would include the position of Operations Superintendent.

The Operations Superintendent will report to the Chief Operations Engineer and will be responsible for managing the activities of the Senior Watch Supervisors, the Support Facilities Supervisors and the rotating shifts. He will be required to hold a Senior Reactor Operator license for Indian Point Unit No. 2. The Operations Superintendent will relieve the Chief Operations Engineer of certain routine duties and assist in relieving the mounting work load on the operations staff. These problems were identified in the NRC Region I Systematic Assessment of Licensee Performance dated June 2, 1982 and the proposed change should enhance the functioning of the operations staff.

The proposed changes do not in any way alter the safety analyses performed for Indian Point Unit Nos. 1 or 2. The proposed changes have been reviewed by the Station Nuclear Safety Committee and the Consolidated Edison Nuclear Facilities Safety Committee. Both committees concur that these changes do not represent a significant hazards consideration and will not cause any change in the types or increase in the amounts of effluents or any change in the authorized power level of the facility.