

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104
EXPIRES 6/31/85

FACILITY NAME (1) Indian Point Unit No. 2	DOCKET NUMBER (2) 05000247	LER NUMBER (6)						PAGE (3)		
		YEAR	SEQUENT. NUMBER		REVISION NUMBER					
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LIST IF MORE SPACE IS REQUIRED, USE ADDITIONAL NRC FORMS (JULY 81/17)

Plant and System Identification:

Westinghouse 4-loop pressurized water reactor.

Identification of Occurrence:

Inability of CCR charcoal filters' charcoal to meet design adsorption efficiency.

Event Date: June 23, 1987

Past Similar Occurrences: LER 83-029, LER 83-021

Description of Occurrence:

On June 3, 1987, charcoal in both charcoal filters in the Central Control Room Filtration System was replaced and a representative sample of used charcoal from each of two filters was sent to Callery Chemical Corporation for analysis. On June 23, 1987 the laboratory analysis results were received, revealing that the "as found" adsorption efficiency for methyl-iodide was 93.66% for filter No. 1 and 79.07% for filter No. 2.

Analysis of Occurrence:

An original acceptance criterion of 90% for the adsorption efficiency of in-service charcoal for methyl-iodide, was established in the original FSAR. The original charcoal adsorber design specified a 1" bed. In 1982, the acceptance criterion was revised by Technical Specification amendment (Section 4.5.E) to conform with Regulatory Guide 1.52. Since post-TMI analyses allowed an assumption of 85% efficiency in meeting the personnel dose limits, application of Regulatory Guide 1.52, Rev. 2, was interpreted to require demonstration, in the laboratory, of a 97% minimum adsorption efficiency.

The Regulatory Guide 1.52 criterion is based upon at least a 2" charcoal bed (ANSI 509-1976), whereas the IP-2 CCR charcoal bed is 1". Based on the differences between the IP-2 design and the standard test configuration, the margin previously available no longer existed.

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APPROVED OMB NO 3150-0104
(EXPIRES 8/31/95)

FACILITY NAME (1): Indian Point Unit No. 2	DOCKET NUMBER (2): 0 5 0 0 0 2 4 7	LER NUMBER (3):			PAGE (3):		
		YEAR	SEQUENT A. NUMBER	REVISION NUMBER	1		
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TEXT IF MORE SPACE IS REQUIRED - use additional NRC Form 302A (1/17)

Self-contained breathing apparatus and protective clothing provided to the operators as compensatory measures under the original licensing of the plant, as well as potassium-iodide (KI) pills continue to be stored in the Central Control Room. Procedures in the CCR address their use by the Central Control Room personnel when appropriate.

Cause of Occurrence:

The adsorption efficiency of the charcoal was lower than anticipated. Also, the current charcoal acceptance criteria is more stringent than the original design basis for the charcoal filter.

Corrective Action:

Both charcoal filters were replaced with fresh charcoal on June 3, 1987. A study is being initiated to identify and address options for meeting the current acceptance criterion. We expect to complete this study in approximately nine months.

Murray Selman
Vice President

Consolidated Edison Company of New York, Inc.
Indian Point Station
Broadway & Bleakley Avenue
Buchanan, NY 10511
Telephone (914) 737-8116

July 23, 1987

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

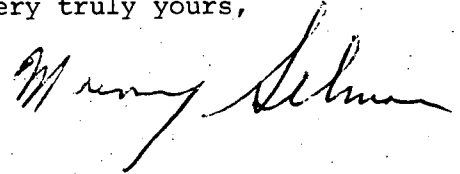
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Subject: LER 87-008-00

Dear Sirs:

The attached Licensee Event Report LER 87-008-00 is hereby submitted in accordance with the requirements of 10 CFR Part 50.73.

Very truly yours,



Attachment

cc: Mr. William Russell
Regional Administrator - Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
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