

"UPDATE REPORT"

LICENSEE EVENT REPORT "PREVIOUS REPORT DATE 8/19/83"

3150-0011

CONTROL BLOCK (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 NYIP S2 00-000000-000 41111 5

01 REPORT SOURCE L 05 00 02 4 7 0 7 2 0 8 3 0 9 2 8 8 4 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

02 The charcoal filters in the Central Control Room (CCR) air filtration system
03 were replaced and two representative samples of the used charcoal were sent to
04 MSA Laboratories for analysis. The analysis revealed absorption efficiencies
05 for methyl-iodine of 92.9 and 95%. The charcoal filters are placed in service
06 during Control Room isolation conditions to reduce potential intake of radio-
07 iodine by Control Room personnel. Previous event: LER 83-021.

08

09 SYSTEM CODE S G 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE FILTER 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16
17 LER NO. REPORT NUMBER 83 21 EVENT YEAR 83 22 SEQUENTIAL REPORT NO. 029 24 OCCURRENCE CODE 03 28 REPORT TYPE L 30 REVISION NO. 1 32
ACTION TAKEN A 18 FUTURE ACTION Z 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 000 22 ATTACHMENT SUBMITTED N 23 NPRO-4 FORM SUB. Y 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER M333 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

10 An investigation, begun after the previous event, as to the cause of the
11 reduced efficiency is continuing and will be reported in an LER update. New
12 charcoal was installed. The two previous months' charcoal sample test results
13 (98.6% and 98.8%) met the 97% efficiency test criterion. The 97% is based on
14 an analysis assumed efficiency of 85% and the application of Regulatory Guide

1.52 testing guidance.

15 FACILITY STATUS E 28 % POWER 100 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Laboratory Analysis 32

16 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 AMOUNT OF ACTIVITY NA 34 LOCATION OF RELEASE NA 36

17 PERSONNEL EXPOSURES NUMBER 000 37 TYPE Z 38 DESCRIPTION NA 39

18 PERSONNEL INJURIES NUMBER 000 40 DESCRIPTION NA 41

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43

20 PUBLICITY ISSUED DESCRIPTION Z 44 NA 45

NAME OF PREPARED BY Gary Hintichs

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FEZZ
11

NRC USE ONLY

ATTACHMENT

Docket No. 50-247
LER 83-29/03L-1

Consolidated Edison Company of New York
Indian Point Station Unit No. 2

The investigation referred to in the initial LER, 83-021, has been concluded. The result of this investigation is that the inability to achieve an acceptable adsorption efficiency for methyl-iodide retention in the CCR charcoal is basically due to a change in the acceptance criteria.

Originally, the acceptance criteria had been 85% based upon the FSAR accident analysis requirements. The charcoal adsorber design specifies a 1" bed providing an ample margin for meeting the 85% removal efficiency. In 1982 the acceptance criteria was revised via a Technical Specification amendment to conform with the NEC's Standard Review Plan Section 6.4. This increased the minimum acceptable efficiency to 97% and reduced the margin available in the fixed charcoal adsorber design. The Standard Review Plan criteria is based upon a 2" charcoal bed (ANSI 509-1976) whereas the IP-2 CCR charcoal bed is 1". In service a 1" bed will be expended more quickly than a 2" bed making it less tolerant to environmental conditions.

This latter situation was experienced during the spring of 1983 (LER 83-021 and 83-029) when the Toxic Gas Monitors unnecessarily actuated causing continued exposure of the CCR charcoal absorber. This reduced the charcoal absorber capacity. Current performance of the Toxic Gas Monitors was re-established during 1983 and confirmed during the first quarter.

The underlying cause of this and LER and LER 83-021 is the current charcoal acceptance criteria which is more stringent than the original design basis for the charcoal absorber, and conditions leading to exposure of the charcoal absorber beyond the margin permitted by its design. Based upon an initial charcoal efficiency of 99.9%, the current margin is 2.9% rather than the design basis of 14.9%.

John D. O'Leary
Vice President

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September 28, 1984

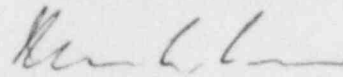
Re: Indian Point Unit No. 2
Docket No. 50-247
LER-83-029/03X-1

Dr. Thomas E. Murley
Regional Administrator-Region 1
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Dr. Murley:

Transmitted herewith is an updated report for Licensee Event Report
LER-83-029.

Very truly yours,


for J. D. O'Leary

Attach.
cc:

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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Thomas Foley, Senior Resident Inspector
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