

# ENVIRON

SEP 6 1972

Docket No. 50-247

Daniel R. Muller, Assistant Director for Environmental Projects, L

INDIAN POINT NUCLEAR GENERATING PLANT, UNIT 2 - REVIEW OF DRAFT ENVIRONMENTAL STATEMENT

Plant Name: Indian Point Nuclear Generating Plant, Unit 2  
 Licensing Stage: OL  
 Docket Number: 50-247  
 Responsible Branch: Environmental Projects Branch No. 1  
 Project Leader: M. J. Oestmann  
 Requested Completion Date: August 30, 1972  
 Description of Response: Review of Draft Environmental Statement  
 Review Status: Complete

At the request of M. J. Oestmann, Project Manager, Indian Point Unit No. 2, we have reviewed the radioactive waste section, III.E.2 of the DES, dated August 1972. Replace Tables III-8 Anticipated Annual Release of Radioactive Nuclides in Gaseous Effluent From Indian Point Units Nos. 1 and 2 and III-11 Calculated Radioactivity Releases in Effluents from Indian Point Nuclear Generating Plants Units 1 and 2 in the Attachment 1 to our memo to you dated July 18, 1972 for the DES. The revised tables are enclosed.

Original signed by



R. L. Tedesco, Assistant Director for Containment Safety Directorate of Licensing

Enclosure:  
As stated

cc: see next page

8111110379 720906  
 ADOCK 05000247

OFFICE ▶						
SURNAME ▶						
DATE ▶						

Daniel R. Muller,

-2-

cc: w/o enclosures  
A. Giambusso  
W. McDonald

w/enclosures  
S. Hanauer  
J. Hendrie  
R. Tedesco  
V. Benaroya  
K. Knief  
G. Knighton  
M. J. Oestmann  
W. Eister

DISTRIBUTION:

→ Docket (50-247)  
L Reading  
CS Reading  
ETSB Reading  
V. Wilson (2)  
J. Telford (w/o encl.)  
ETSB Staff

OFFICE ▶	ETSB/L	ETSB/L	AD/CS/L			
SURNAME ▶	WEster;cc	VBenaroya	RTedesco			
DATE ▶	9/1/72	9/1/72	9/6/72			

TABLE III-11

CALCULATED RADIOACTIVITY RELEASES IN EFFLUENTS FROM INDIAN POINT  
NUCLEAR GENERATING PLANTS UNITS 1 AND 2

Unit No.	Power (Mwt)	Effluent Radioactivity (Ci/yr)			
		Liquids		Gases	
		<u>Tritium</u>	<u>All Others</u>	<u>Noble Gases</u>	<u>Iodine 131</u>
<u>Initial Process Basis</u>					
1	615	1500	40	1200	0.37
2	2758	<u>1000</u>	<u>41</u>	3000	<u>0.64*</u>
Total		2500	81	4200	1.0
<u>Modified Process Basis</u>					
1	615	1500	5	1200	0.06
2	3216	<u>1000</u>	<u>5</u>	<u>2700</u>	<u>0.36*</u>
Total		2500	10	3900	0.42

\*Limited to 0.18 Ci/yr by the Technical Specifications.

TABLE III-8

ANTICIPATED ANNUAL RELEASE OF RADIOACTIVE NUCLIDES IN GASEOUS EFFLUENT  
FROM INDIAN POINT UNITS NOS. 1 AND 2  
(INITIAL SYSTEM)

Isotope	Discharge rate (Ci/year)				
	Unit No. 1		Unit No. 2		Unit No. 2 total
	Total (60-day) decay	Containment purge	Gas Processing system	Steam generator leak	
Kr-85	180	13	790	2	800
Kr-87	2	0.04		3	3
Kr-88	6	0.31		10	10
Xe-131m	8	10	63	3	76
Xe-133	1000	1000	390	680	2100
Xe-135	2	0.35		3	3
Xe-138	1	0.007		2	2
I-131	0.37	0.018		0.62	0.64*
I-133	0.18	0.018		0.31	0.33

\*This release will be limited to 0.18 Ci/year by the Technical Specifications.