

UNITED STATES GOVERNMENT

Memorandum

Boyd
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TO : Roger S. Boyd, Chief, Research & Power Reactor
Safety Branch, Division of Reactor Licensing

DATE ~~JUL~~ 13 1966

FROM *JV* James Verme, Chief, Materials Budgeting Branch
Division of Nuclear Materials Management

SUBJECT: ALLOCATION OF SPECIAL NUCLEAR MATERIAL TO CONSOLIDATED EDISON COMPANY
(INDIAN POINT 2), DOCKET NO. 50-247

The allocation of special nuclear material for Consolidated Edison Company has been calculated to be 24,325 kg U-235 based on the June 17, 1966 amendment No. 3 to the application to construct and operate the Indian Point II Reactor, and subsequent telephone conversations with Mr. C. A. Larson of the Consolidated Edison Company.

Note that the attached schedule of transfers of special nuclear material, as discussed with Mr. Larson, differs from that contained in Amendment No. 3 to the license application. Changes include reduction in cold returns from 114 kg U-235 annually to 95 kg U-235 because the former incorrectly included fabrication losses; the withdrawal for FY 1970 was listed in error as 1,807 kg U-235 when it should have been 1,904 kg U-235; and the original schedule included withdrawals through FY 2007 and returns through FY 2008.

In connection with the proposed allocation of SNM, it is noted that the AEC is presently developing, and soon may sign, long-term contracts for uranium enrichment services which commit the AEC to provide material for up to thirty years. In view of these circumstances, it appears that the AEC will probably consider discontinuing the practice of issuing allocations and, perhaps, cancel existing allocations, since outstanding allocations in effect concurrently with contractual commitments could cause problems.

Attachment:
Schedule of Transfers of SNM



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Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

ALLOCATION OF SPECIAL NUCLEAR MATERIALS
TO CONSOLIDATED EDISON COMPANY
INDIAN POINT #2
(KG U-235)

FY	AEC to	Con Ed to AEC		Year Net	Cumulative Net
	Con Ed <u>1/</u>	Cold <u>1/</u>	Irrad. <u>4/</u>		
1968	2,378 <u>2/</u>	-0-	-0-	2,378	2,378
1969	-0-	238 <u>3/</u>	-0-	(238)	2,140
1970	1,904	-0-	-0-	1,904	4,044
1971	952	190	295 <u>5/</u>	467	4,511
1972	952	95	206 <u>6/</u>	651	5,162
1973	952	95	197 <u>7/</u>	660	5,822
1974	952	95	252	605	6,427
1975	952	95	504	353	6,780
1976	952	95	252	605	7,385
1977	952	95	252	605	7,990
1978	952	95	252	605	8,595
1979	952	95	252	605	9,200
1980	952	95	252	605	9,805
1981	952	95	252	605	10,410
1982	952	95	252	605	11,015
1983	952	95	252	605	11,620
1984	952	95	252	605	12,225
1985	952	95	252	605	12,830
1986	952	95	252	605	13,435
1987	952	95	252	605	14,040
1988	952	95	252	605	14,645
1989	952	95	252	605	15,250
1990	952	95	252	605	15,855
1991	952	95	252	605	16,460
1992	952	95	252	605	17,065
1993	952	95	252	605	17,670
1994	952	95	252	605	18,275
1995	952	95	252	605	18,880
1996	952	95	252	605	19,485
1997	952	95	252	605	20,090
1998	952	95	252	605	20,695
1999	952	95	252	605	21,300
2000	952	95	252	605	21,905

(continued)

1/ 2.92 % unless otherwise indicated.

2/ 727 kg at 2.23%; 776 kg at 2.38; 875 kg at 2.68.

3/ 73 kg at 2.23%; 77 kg at 2.38; 88 kg at 2.68.

4/ 0.92% unless otherwise indicated.

5/ 1.06%

6/ 0.75%

7/ 0.72%

Allocation of Special Nuclear Materials to
 Consolidated Edison Company, Indian Point #2
 (KG U-235)

<u>FY</u>	<u>AEC to Con Ed</u>	<u>Con Ed to AEC</u>		<u>Year Net</u>	<u>Cumulative Net</u>
		<u>Cold</u>	<u>Irrad.</u>		
2001	952	95	252	605	22,510
2002	952	95	252	605	23,115
2003	952	95	252	605	23,720
2004	952	95	252	605	24,325
2005	-0-	95	252	(347)	23,978
2006	-0-	-0-	252	(252)	23,726
2007	-0-	-0-	252	(252)	23,474
2008	-0-	-0-	252	(252)	23,222
TOTAL	36,650	3,658	9,770	23,222	---

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