

Stephen E. Quinn
Vice President

Consolidated Edison Company of New York, Inc.
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Telephone (914) 734-5340

September 23, 1996

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

Document Control Desk
US Nuclear Regulatory Commission
Mail Station P1-137
Washington, DC 20555

SUBJECT: Control Rod Drop Testing in Accordance with
NRC Bulletin 96-01

Indian Point 2 tripped on August 19, 1996. All indications were that the rods performed as expected. In accordance with our commitment in response to NRC Bulletin 96-01, control rod drop testing was performed at Indian Point Unit 2 on August 19, 1996. All control rods performed as expected. Drop times were well within the Technical Specifications and all rods fully inserted. Normal voltage versus time traces were obtained for every rod. Following dashpot entry, the voltage versus time data showed the expected behavior that indicates rod bottoming. The attached table gives the results for each control rod including the number of observed variations of voltage versus time from the visicorder traces after dashpot entry. No significant differences were observed from the previous test performed on May 24, 1996.

Indian Point 2 tripped again on August 22, 1996. All indications were that the rods performed as expected. Since there was insignificant burnup accumulated from the previous trip (less than 1 effective full power day) rod drop testing was not re-performed.

Should you have any questions regarding this matter, please contact Mr. Charles W. Jackson, Manager, Nuclear Safety and Licensing.

Very truly yours,



9610080079 960923
PDR ADOCK 05000247
Q PDR

Subscribed and sworn to
before me this 23rd day
of September, 1996.

Karen L. Lancaster
Notary Public

KAREN L. LANCASTER
Notary Public, State of New York
No. 60-4643659
Qualified In Westchester County
Term Expires 9/30/97

IES7/1

170093

cc: Mr. Hubert J. Miller
Regional Administrator - Region I
US Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Jefferey F. Harold, Project Manager
Project Directorate I-1
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US Nuclear Regulatory Commission
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Senior Resident Inspector
US Nuclear Regulatory Commission
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Buchanan, NY 10511

Table 1						
CYCLE 13 RODDED FUEL TYPES, BURNUPS AND DROP DATA						
	Core	Fuel	Current Estimated*	Predicted EOC	Rod Drop Time To Dashpot	Observed
	Location	Type	Burnup(MWD/MTU)	Burnup(MWD/MTU)	(sec)**	Variations
1	B-6	V+	17026	26437	1.22	2
2	B-8	OFA	29213	37095	1.25	2
3	B-10	V+	17049	26462	1.20	3
4	C-3	V+	13983	21636	1.23	2
5	C-5	OFA	31799	39835	1.23	2
6	C-7	OFA	40462	48508	1.27	2
7	C-9	OFA	40502	48540	1.24	1
8	C-11	OFA	31773	39814	1.23	2
9	C-13	V+	14084	21778	1.25	2
10	D-4	OFA	39421	47018	1.22	2
11	D-8	OFA	38465	45405	1.25	2
12	D-12	OFA	39421	47018	1.18	1
13	E-3	OFA	31727	39783	1.25	2
14	E-9	OFA	41068	49156	1.29	2
15	E-13	OFA	31780	39820	1.22	2
16	F-2	V+	16982	26428	1.25	2
17	F-6	OFA	38157	45921	1.27	2
18	F-8	OFA	38112	45764	1.26	2
19	F-10	OFA	38169	45926	1.24	2
20	F-14	V+	17005	26424	1.20	2
21	G-3	OFA	40369	48447	1.24	2
22	G-5	OFA	41007	49114	1.26	2
23	G-13	OFA	40485	48535	1.24	1
24	H-2	OFA	28966	36853	1.20	2
25	H-4	OFA	38428	45392	1.25	2
26	H-6	OFA	38161	45816	1.29	1
27	H-8	OFA	41163	48702	1.28	2
28	H-10	OFA	38078	45737	1.25	1
29	H-12	OFA	38510	45458	1.25	2
30	H-14	OFA	29178	37072	1.21	2
31	J-3	OFA	40322	48395	1.23	1
32	J-11	OFA	40942	49062	1.26	1
33	J-13	OFA	40472	48534	1.21	1
34	K-2	V+	16748	26154	1.24	2
35	K-6	OFA	38139	45910	1.28	2
36	K-8	OFA	38150	45805	1.28	2
37	K-10	OFA	38157	45931	1.27	2
38	K-14	V+	16960	26399	1.21	2
39	L-3	OFA	31720	39792	1.22	2
40	L-7	OFA	41012	49117	1.23	2
41	L-13	OFA	31704	39769	1.22	2
42	M-4	OFA	39362	46984	1.22	3
43	M-8	OFA	38535	45483	1.26	2
44	M-12	OFA	39221	46856	1.22	2
45	N-3	V+	14054	21759	1.25	2
46	N-5	OFA	31678	39733	1.19	2
47	N-7	OFA	40392	48460	1.25	2
48	N-9	OFA	40442	48511	1.23	2
49	N-11	OFA	31739	39802	1.25	2
50	N-13	V+	13611	21217	1.20	2
51	P-6	V+	16879	26283	1.22	2
52	P-8	OFA	29314	37225	1.25	2
53	P-10	V+	16983	26428	1.23	2

*based on cycle burnup of 13935.356 MWD/MTU (400.376 EFPDs) as of 8/19/96

and predicted power distributions from Westinghouse's NuPOP.

** Pursuant to TS. 3.10.8 the limit is 2.4 seconds.