DOCKET NUMBER
PROD. & UTIL. FAC. 50-247

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

March 4, 1971

RECEIVED
MAR 8 1971
U.S. ATOMIC ENERGY COMMISSION
Regulatory Mail Section

Anthony Z. Roisman, Esq.
Berlin, Roisman & Kessler
1910 N Street, N. W.
Washington, D. C. 20036

In the Matter of Consolidated Edison Company of New York, Inc.
Indian Point Nuclear Generating Unit No. 2
Docket No. 50-247

Dear Mr. Roisman:

Reference is made to my letter, dated February 10, 1971 wherein I attached the pertinent sections of semiannual report #1 submitted by the Rochester Gas and Electric Corporation pursuant to the technical specifications appended to its license related to the operations of the Ginna Station. We have now received semiannual report #2 submitted by Rochester Gas and Electric Corporation, dated February 23, 1971, and I am attaching herewith the pertinent sections of this latest report, a copy of which is in our Public Document Room.

Sincerely,

Myron Karman

Myron Karman
Counsel for AEC Regulatory Staff

Enclosures:
As stated above

cc: See page 2

DOCKETED
USAEC
MAR 4 1971
Office of the Secretary
Public Proceedings

8111111109 710304
PDR ADOCK 05000247
G PDR

cc: Samuel W. Jensch, Esq.
Dr. John C. Geyer
Mr. R. B. Briggs
Arvin E. Upton, Esq.
Algie A. Wells, Esq.
Mr. Stanley T. Robinson, Jr.
Hendrik Hudson High School
Mr. Dan Muller

6.6.5.3 Shutdowns

Dates	Reactor Power	Hours	Reason
May Reactor Trips			
5/14/70 to End of Mo.	0%	266.00	100% F.P. Trip test and turbine inspection. Repairs on #2 L.P. Section Blading
May Reactor Shutdowns			
None.			
June Reactor Trips			
Beg. of Mo. to 6/17/70	0%	550.42	After 100% F.P. Trip test, continued turbine repairs, valve repairs and RTD replacements
6/18/70	0%	14.92	A relay in the S.I. System was partially operated causing the "B" trip breaker to open. The terminal screws were found loose. The trip signal was caused by fluttering of the S.I. relay.
6/19/70	15%	0.30	"B" Steam generator Lo Lo level trip. The steam generator levels were being controlled manually using the F.W. bypass control valves. The level in "B" S.G. was at 24% and rising with steam dump on press. control. The turbine was tripped in preparation for work on E.H. Governor control system. The level was depressed by the resulting pressure transient.
June Reactor Shutdowns			
None.			
July Reactor Trips			
7/25/70	27%	2.58	"A" F.W. pump tripped. Reactor tripped on low steam generator "B" level and steam flow-water flow mismatch.
July Reactor Shutdowns			
7/12/70	0%	24.67	MOV-516 Leakage rate required manual shutdown
August Reactor Trips			
None.			
August Reactor Shutdowns			
None.			
September Reactor Trips			
9/5/70	37%	14.51	After manual turbine trip "B" steam generator low level-low feed flow trip.

6.6.5.3 Shutdowns (continued)

Dates	Reactor Power	Hours Out	Reason
September Reactor Shutdowns			
9/30/70	0%	335.07	Replacement of RTD's and repair of steam and water leaks - corrective maintenance of "B" main steam generator feedpump-plunger replacement of 1B and 1C charging pumps-replaced connecting rod and repacked 1A & B phosphate pumps - replaced plungers on 1B charging pump - - door & gate installation in high radiation areas - changed filters and reinforced filter framework on plant vent system HEPA filter bank.
October Reactor Trips			
10/29/70	100%	1.55	Caused by turbine trip - back up distance relay trip due to fault on trunk line #23 caused turbine trip.
October Reactor Shutdowns			
None.			
November Reactor Trips			
11/1/70	100%	0.35	Caused by turbine trip - failure of automatic voltage regulator of generator caused turbine trip.
11/2/70	100%	7.62	Caused by turbine trip - failure of automatic voltage regulator of generator caused turbine trip.
11/23/70	0%	1.28	Test for battery ground - ground located on PCV-431C control power.
November Reactor Shutdowns			
11/15/70	0%	8.69	Manual shutdown - high primary system leakage level - repacked a pressurizer relief valve.
December Reactor Trips			
None.			
December Reactor Shutdowns			
12/12/70	0%	38.68	Manual shutdown - Repacking of pressurizer spray valves and condenser tube leak.
12/31/70	0%	76.83	Manual shutdown - repair of moisture separator reheaters and condenser tube leaks.

6.6.5.5 Radioactive Liquid Waste

The following table is a summary of the liquid waste discharged from the controlled areas at Ginna Station during the period May through December, 1970. A total of 93.778 curies of radioactive material was discharged with the liquid waste during the 8 month period. Of this material 88.582 Curies were tritium and 5.196 Curies were other isotopes, primarily iodine 131.

The second table shows the time and date of the maximum concentration released each month. The highest concentration for the period was May 7th for a 9 hour period at which time the concentration in the canal averaged 2.75 x 10-7 uCi/cc. At all times releases were well below the MPC values (10CFP20) in the discharge canal.

MONTH	(a) TOTAL CURIE DISCHARGE INCLUDING TRITIUM	(b) VOLUME OF LIQUID WASTE (GALLONS)	(c) VOLUME OF DILUTED WATER (GALLONS)	(d) AVG. CONC. IN DISCH. CANAL µCi/cc EXCLUDING TRITIUM	(d) AVG. CONC. OF TRITIUM IN DISCH. CANAL µCi/cc
May	15.389	70,811	15.62×10^{9}	5.04×10^{-8}	2.09×10^{-7}
June	15.384	84,276	14.68×10^{9}	1.08×10^{-8}	2.65×10^{-7}
July	2.711	29,836	16.06×10^{9}	7.31×10^{-9}	3.71×10^{-8}
August	5.823	35,287	16.06×10^{9}	2.84×10^{-9}	9.26×10^{-8}
Sept.	10.368	29,864	15.54×10^{9}	5.86×10^{-9}	1.70×10^{-7}
Oct.	7.120	30,684	16.60×10^{9}	6.42×10^{-9}	1.14×10^{-7}
Nov.	30.650	44,407	15.50×10^{9}	3.01×10^{-9}	3.55×10^{-7}
Dec.	6.333	17,756	17.12×10^{9}	1.30×10^{-9}	9.65×10^{-8}
TOTALS	93.778	342,921	126.18×10^{9}	1.088×10^{-8}	1.855×10^{-7}

(e) Time and date of monthly maximum concentration released, radioactive materials exclusive of tritium.

Date	Time (Hours)	Concentration (µCi/cc)
May 7	0230-1140	2.75×10^{-7}
June 20,21	1020-0550	2.75×10^{-8}
July 18,19	2135-0705	2.75×10^{-8}
Aug. 5	1805-1820	5.6×10^{-8}
Sept. 7,8,9	1200-1130	3.3×10^{-8}
Oct. 12,13	2035-0041	2.9×10^{-8}
Nov. 19	1110-1430	3.3×10^{-8}
Dec. 3	1812-1945	2.5×10^{-8}

(f) (1). At times the concentration in the discharge canal exceeded 1×10^{-7} u Ci/cc for fission products. Isotopic analysis showed iodine 131 to be the only isotope discharged at a concentration greater then 1/10 of its MPC. Therefore, 3×10^{-7} (MPCw for I-131) was used as the MPC value to calculate a discharge rate.

(2). At no time did the concentration of tritium in the discharge canal exceed 3×10^{-3} u Ci/cc.

6.6.5.6 Gaseous Waste

During this 8 month period there was no gaseous waste release which resulted in greater than the unrestricted MPC values for air at the site boundry. The following table gives the curies discharged each month and the maximum rate. Our report month is from the 26th to the 25th which caused the maximum discharge rate for the October report to fall in September.

Month	Total Curies disch./month	Maximum Release Rate	Time & Date of Maximum Conc.	
May	305.56	.0013 Ci/sec.	1905-2005	12 May
June	30.65	.0025	1500-1620	18 June
July	886.55	.034	0950-1005	24 July
August	741.61	.0204	1120-1135	3 Aug.
September	1,899.98	.0235	0946-1000	18 Sept.
October	1,385.2	.040	1715-1728	28 Sept.
November	3,304.7	.0631	2010-2025	15 Nov.
December	1,389.0	.019	1010-1030	11 Dec.

c. At no time were MPC values greater than the following used in determining the release rate for radioactive gasses:

3×10^{-8} u Ci/cc (Noble & activation gasses)

1×10^{-10} u Ci/cc (Halogens with greater than 8 day half life)

3×10^{-11} u Ci/cc (Particulates with greater than 8 day half life)

6.6.5.7 Solid Radioactive Waste

Three shipments of solid radioactive material have been transported to the Nuclear Fuel Services burial ground at West Valley, New York. The transporter was McCormacks Highway Transportation, Inc. Most of the

material was waste evaporator bottoms and a set of HEPA filters from the Auxilliary Building Ventilation System. The shipment dates, volume and Curie content [illegible] below:

Date	Volume	Curies
25 Aug. [illegible]	523.9 cuft	1.621
22 Sept.	829.75	1.060
19 Nov.	462.	1.959