



Commonwealth Edison

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Chicago, Illinois 60690

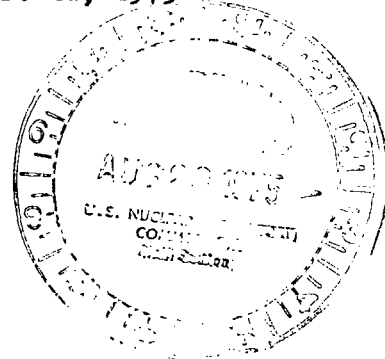
Dresden Nuclear Power Station
R. R. #1

Morris, Illinois 60450

August 22, 1975

BBS Ltr# 504-75

J. Keppler, Regional Director
Office of Inspection and Enforcement
Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Ill 60137



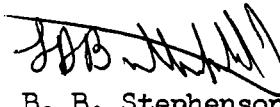
SUBJECT: Dresden Nuclear Power Station Semi-Annual Report N.R.C.
Dockets 50-10, 50-237, and 50-249

Dear Mr. Keppler:

Attached is the second portion of the Semi-Annual Report pertaining to Radioactive Effluent Discharges, Environmental Monitoring, Solid Radioactive Waste, and Personnel Exposures for Dresden Units 1, 2, and 3 for the period of January 1, 1975 through June 30, 1975, as required by the Technical Specifications. The first portion of this report was transmitted under a separate cover.

One copy of this report is provided for your use, and 39 copies are being transmitted by this letter to Mr. Benard C. Rusche, Director of the Office of Nuclear Reactor Regulation.

Sincerely,


B. B. Stephenson
Station Superintendent

BBS:DA:jea

9181

REVISED

TABLE 1.2-2

REPORT OF RADIOACTIVE EFFLUENTS

Docket No. 50-237 & 50-249

FACILITY: Dresden Unit 2 & 3

YEAR: 1975

1.2 Liquid Effluents	Units	Jan.	Feb.	March	April	May	June	Six Mo. Total
1. Gross Radioactivity								
a) Total Release	Curies	None	2.0E-02	8.9E-02	7.0E-02	2.3E-01	1.4E-01	5.5E-01
b) Average Concentration Released	μCi/ml	None	2.6E-09	1.1E-08	1.1E-09	2.6E-09	5.9E-09	4.6E-09
c) Maximum Concentration Released	μCi/ml	None	3.4E-08	4.5E-08	2.3E-08	5.9E-08	6.6E-08	6.6E-08
d) % of Tech Spec Limit	%	None	2.61	10.5	1.1	2.59	5.9	4.6
2. Tritium								
a) Total Release	Curies	None	2.16E-04	5.29E-04	4.42E-03	2.51E+01	1.89E+01	4.4E+01
b) Average Concentration Released	μCi/ml	None	2.83E-11	6.26E-11	6.76E-11	2.84E-07	7.6E-07	2.1E-
3. Dissolved Noble Gases								
a) Total Release	Curies							
b) Average Concentration Released	μCi/ml							
					None Detected			
4. Gross Alpha Radioactivity								
a) Total Release	Curies	None	1.63E-05	3.34E-05	2.50E-04	3.08E-02	4.88E-03	3.6E-02
b) Average Concentration Released	μCi/ml	None	2.13E-12	3.95E-12	3.82E-12	3.49E-10	2.00E-10	1.1E-10

REVISED

8/20/75

TABLE 1.2-2 (Cont'd)

REPORT OF RADIOACTIVE EFFLUENTS

Docket No. 50-237 & 50-249

FACILITY: Dresden Unit 2 & 3

YEAR: 1975

1.2 Liquid Effluents	Units	Jan.	Feb.	March	April	May	June	Six Month Total
5. Volume of Liquid Waste to Discharge Canal	Liters	None	1.66E+05	6.47E-05	1.05E06	4.48E06	3.38E06	9.73E06
6. Volume of Dilution Water	Liters	8.45E09	7.63E09	8.45E09	6.54E10	9.0E+10	2.5E+10	2.0E11
7. Isotopes Released	Curies							
Cs-134	None		2.3E-04	6.0E-03	-	1.4E-02	8.5E-03	2.8E-02
Cs-137	None		4.7E-04	1.3E-02	6.9E-03	-	-	2.0E-02
I-131	None		1.2E-03	1.4E-02	-	-	-	1.5E-02
Mn-54	None		2.6E-03	5.3E-03	-	1.5E-02	9.6E-03	3.3E-02
Co- 60	None		1.5E-02	4.5E-02	5.2E-02	6.3E-02	3.9E-02	2.1E-01
Sr- 89	None		1.0E-05	4.9E-03	9.9E-03	1.3E-01	8.4E-02	2.3E-01
Sr- 90	None		1.0E-05	2.0E-04	1.0E-03	4.1E-03	2.6E-03	7.8E-03
Ag-110m	None		6.5E-04	-	-	-	-	6.5E-04