

50-522

-15-4 (11/80)

REGION	COUNTY	DATE PRODUCED	PAGE
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CITY I.D.	REPORT PERIOD		
NY0020109	01-01-85 THRU 01-31-85		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES — DISCHARGE MONITORING REPORT



SEE THE REVERSE SIDE OF PART 4 FOR INSTRUCTIONS

PARAMETER/UNITS	OUT FALL	MONITORING LOCATION	REPORT SECTION				SAMPLE CHARACTERISTICS		
			LIMIT	MINIMUM	AVERAGE	MAXIMUM	# EX.	TYPE	FREQUENCY
TEMPERATURE 33.3 C	001	EFFLUENT VALVE 0110011110101	*****	*****	*****	44.5000	0	METERED	CONTINUOUS
TEMPERATURE - DIFF DEC C	001	EFFLUENT VALVE 020001600101	*****	*****	*****	18.0000	0	METERED	CONTINUOUS
PH SU	001	EFFLUENT VALVE 0500000120101	LIMIT	6.5000	*****	8.5000	0	GRAB	2 PER WEEK
			REPORTED VALUE	8.1	*****	8.2	0	GRAB	2/WEEK
PH SU	012	NET VALUE 0400000121200	LIMIT	6.0000	*****	9.0000	0	GRAB	WEEKLY
			REPORTED VALUE	7.3	*****	7.6	0	GRAB	WEEKLY
FORM-FECAL MG/100ML	012	NET VALUE 0570055081200	LIMIT	*****	200.0000	400.0000	0	GRAB	MONTHLY
			REPORTED VALUE	*****	N/A	<2.2	0	GRAB	MONTHLY
SUSPENDED SOLIDS MG/L	012	NET VALUE 0680150011200	LIMIT	*****	30.0000	45.0000	0	24 HR COMP	MONTHLY
			REPORTED VALUE	*****	N/A	8.0	0	24 HR COMP	MONTHLY
BOD5 MG/L	012	NET VALUE 0785001011200	LIMIT	*****	30.0000	45.0000	0	24 HR COMP	MONTHLY
			REPORTED VALUE	*****	N/A	9.1	0	24 HR COMP	MONTHLY
HEAT BIL BTU/H	001	NET VALUE 0800000560110	LIMIT	*****	*****	5.7200	0	METERED	CONTINUOUS
			REPORTED VALUE	*****	*****	5.472	0	METERED	CONTINUOUS
VELOCITY FT/SEC	002	PRE-INFLUENT SCOUR 09999092A020300	LIMIT	*****	*****	1.4000	0	METERED	CONTINUOUS
			REPORTED VALUE	*****	*****	1.40	0	METERED	CONTINUOUS
B503080121 850131 PDR ADOCK 05000333 R PDR			REPORTED VALUE						

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1/31/85 50-522

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

TYPEWRITTEN NAME AND TITLE

Harold A. Gloyer, Resident Manager

PERMITTEE

2 AGENT

SIGNATURE

DATE

POWER AUTHORITY OF N Y S
 JAMES A FITZPATRICK NUCLEAR POWER PLANT
 BOX 41
 LYCOMING NY 13093
 NY0020109
 04 MEI 02
 35 05 SJ3 03 SV 0

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

MONTH OF JANUARY 1985
SPDES REPORT

The reported value for net rate of heat addition to the receiving water was calculated using the following equation:

$$(CTP) - MWe (net) = W.H.$$

Where:

CTP = Reactor Core Thermal Power in Btu/hr

MWe = Net Electrical Generation in Btu/hr

W.H. = Waste Heat Addition to the Receiving Water in Btu/hr

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

MONTH OF JANUARY 1985
SPDES REPORT

SPDES NY0020109 NONCOMPLIANCE WITH CONDITIONS

A. DESCRIPTION

On Sunday, February 3, 1985, at approximately 3:00 PM, it was discovered by shift personnel that "B" makeup demineralizer waste neutralizer tank (42-TK-18B) had lost approximately 15 percent tank level since 3:00 PM on February 2, 1985. At this time, 42-TK-18B was isolated and drained to "A" makeup demineralizer waste neutralizer tank (42-TK-18A).

A review of the Shift Survey Sheets for the month of January, 1985 indicated that on January 28, 1985 a leakage of approximately 2 to 3 percent tank level per 8-hour period was present. This is representative of a 1.81 gallon per minute leak rate. From January 28, 1985 until February 3, 1985, a total of approximately 17,250 gallons was inadvertently discharged to the discharge canal.

B. RESULTS

1. Amount of discharge = 17,250 gallons
2. Leak rate = 1.81 gpm
3. Discharge canal flow during leakage from 42-TK-18B = 396,000 gpm
4. Approximate dilution ratio of discharge from 42-TK-18B (1.81 gpm 42-TK-18B/396,000 gpm canal flow) = 1:218,784
5. Average pH of discharge from 42-TK-18B = 4.5 pH units.

C. PERIOD OF NONCOMPLIANCE

This inadvertent discharge started at a few minutes past midnight on January 28, 1985 and was terminated at 3:00 PM on February 3, 1985 (approximately 159 hours).

D. CAUSE OF NONCOMPLIANCE

The cause of the discharge from 42-TK-18B was a result of leakage through an automatic operated valve (42-AOV-111B).

SPDES NY0020109 NONCOMPLIANCE WITH CONDITIONS (continued)

E. CORRECTIVE ACTION

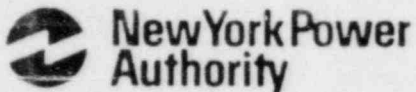
A critique of this event was held by the Operations, Maintenance, and the Chemistry and Environmental Departments.

The automatic operated valve (42-AOV-111B) is in the process of being removed and a manually operated valve will be put in its place so that "B" makeup demineralizer tank (42-TK-18B) can be put back into service. Also, the other valves in the system will be checked for leakage.

A tank level tracking system is in the process of being instituted, and an Operations/Maintenance review will evaluate recommendations that should prevent any recurrence of this type of event.

James A. FitzPatrick
Nuclear Power Plant
PO Box 41
Lycoming, New York 13093
315 342 3840

Harold A. Glovier
Resident Manager



February 26, 1985
JAFF-85-0191

Bureau of Wastewater Facilities Operations
Division of Water
50 Wolf Road - Room 320
Albany, NY 12233-0001

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT
SPDES REPORT

Gentlemen:

Enclosed please find data relating to the James A. FitzPatrick Nuclear Power Plant State Pollutant Discharge Elimination System Monitoring Report for the month of January, 1985.

If there are any questions regarding the attached, please contact Mr. John A. Solini of the plant staff at (315) 342-3840 extension 248.

A handwritten signature in cursive script, appearing to read 'H. A. Glovier', written over the typed name.

HAROLD A. GLOVIER

HAG:JAS:jaa

Attachments

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