

Nebraska Public Power District

GENERAL OFFICE
P.O. BOX 499, COLUMBUS, NEBRASKA 68601-0499
TELEPHONE (402) 564-8561

March 1, 1985

Lori Paulsen
Nebraska Department of Environmental Control
Permits and Enforcement Section
P. O. Box 94877
301 Centennial Mall South
Lincoln, Nebraska 68509-4877

Subject: Nebraska Public Power District
Cooper Nuclear Station
NPDES Permit No. NE0001244
Noncompliance Report

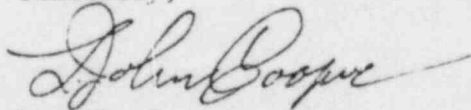
Dear Ms. Paulsen:

On February 14, 1985, you were notified by telephone that B.O.D. and total suspended solid noncompliances had occurred at Cooper Nuclear Station 005 discharge. Enclosed is the noncompliance report submitted in accordance with requirements of the Station's NPDES permit.

The noncompliances are the result of increased flow to the treatment plant, flow surges as a result of the new sump pump, and inflated calculated discharge due to a line break in the potable water system. The Station is continuing their effort to stabilize the system.

If you have any questions, please contact me.

Sincerely,



L. John Cooper
Environmental Manager

EYC/cl

Enclosure

cc: R. D. Martin w/enclosure
D. B. Vassalo " "
P. V. Thomason " "
J. M. Meacham " "
R. L. Bielke " "
File CB175 " "

8503030144 850301
PDR ADOCK 05000298
S PDR

IE23
11

PERMITEE NAME:

Nebraska Public Power District
 Cooper Nuclear Station
 NE Quarter, NW Quarter, Section 32
 Township 5N, Range 16E, Nemaha County
 Pipe 005

NEBRASKA DEPARTMENT OF ENVIRONMENTAL CONTROL
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 NON COMPLIANCE REPORT



THIS REPORT MUST BE FILED WHEN THE LABORATORY TEST RESULTS FROM ANY EFFLUENT SAMPLE EXCEEDS THE LIMITS IN YOUR NPDES DISCHARGE PERMIT.

0001244
 PERMIT NUMBER

Date
 Sample
 Taken

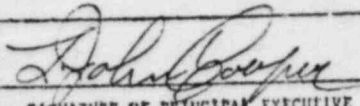
815	011	211
YEAR	MONTH	DAY

INSTRUCTIONS FOR COMPLETION ARE ON BACK.

084-61-001

PARAMETER		QUANTITY (KG/DAY)				CONCENTRATION (MG/L)				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS		AVERAGE	MAXIMUM	UNITS			
Total Suspended Solids	REPORTED	4.00		kg/day	2	44		mg/l	1	1/30	Grab
	PERMIT CONDITION	1.14	1.71		X	30	45		X	1/90	24 hr. Comp.
	REPORTED				X				X		
	PERMIT CONDITION				X				X		
	REPORTED				X				X		
	PERMIT CONDITION				X				X		
FLOW	REPORTED				X	0.02403 ¹		MGD	X		
					X				X		

Description and cause of Non Compliance. Increased flow due to additional people on site as result of repiping and refueling outage and flow surges to the treatment plant.
¹ Break in potable water line may have inflated the calculated discharge flow.

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF OFFICER	DATE	I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE, COMPLETE, AND ACCURATE.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Cooper L. John	Environmental Manager	8 5 0 2 2 8		
LAST FIRST MI	TITLE	YEAR MONTH DAY		

PERMITEE NAME:

Nebraska Public Power District
 Cooper Nuclear Station
 NE Quarter, NW Quarter, Section 32
 Township 5N, Range 16E, Nemaha County
 Pipe 005

NEBRASKA DEPARTMENT OF ENVIRONMENTAL CONTROL
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 NON COMPLIANCE REPORT



THIS REPORT MUST BE FILED WHEN THE LABORATORY TEST RESULTS FROM ANY EFFLUENT SAMPLE EXCEEDS THE LIMITS IN YOUR NPDES DISCHARGE PERMIT.

INSTRUCTIONS FOR COMPLETION ARE ON BACK.

100-19-430

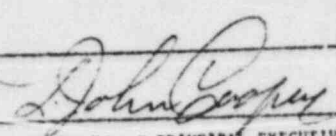
0001244
 PERMIT NUMBER

Date
 Sample
 Taken

815	011	212
YEAR	MONTH	DAY

PARAMETER		QUANTITY (KG/DAY)			CONCENTRATION (MG/L)			FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
Total Suspended Solids	REPORTED	2.35		kg/day	22		mg/l	0	1/30	Grab
	PERMIT CONDITION	1.14	1.71		30	45		X	1/90	24-hr. comp.
	REPORTED							X		
	PERMIT CONDITION							X		
	REPORTED							X		
	PERMIT CONDITION							X		
FLOW	REPORTED				0.02826 ¹		MGD			
								X		

Description and cause of Non Compliance. ¹ Break in potable water line may have inflated the calculated discharge flow.

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF OFFICER	DATE	I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE, COMPLETE, AND ACCURATE.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Cooper L. Jehn	Environmental Manager	8 5 0 2 2 8		
LAST FIRST MI	TITLE	YEAR MONTH DAY		



NEBRASKA DEPARTMENT OF ENVIRONMENTAL CONTROL
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 NON COMPLIANCE REPORT

PERMITEE NAME:

Nebraska Public Power District
 Cooper Nuclear Station
 NE Quarter, NW Quarter, Section 32
 Township 5N, Range 16E, Nemaha County
 Pipe 005

THIS REPORT MUST BE FILED WHEN THE LABORATORY TEST RESULTS FROM ANY EFFLUENT SAMPLE EXCEEDS THE LIMITS IN YOUR NPDES DISCHARGE PERMIT.

084-61-001

0001244
 PERMIT NUMBER

Date Sample Taken

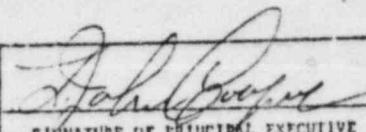
8 5	0 1	2 4
YEAR	MONTH	DAY

INSTRUCTIONS FOR COMPLETION ARE ON BACK.

PARAMETER		QUANTITY (KG/DAY)				CONCENTRATION (MG/L)				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS		AVERAGE	MAXIMUM	UNITS			
Biochemical Oxygen Demand	REPORTED	5.44		kg/l	2	42		mg/l	1	1/30	Grab
	PERMIT CONDITION	1.14	1.71		X	30	45		X	1/90	24 hour comp.
	REPORTED				X				X		
	PERMIT CONDITION				X				X		
	REPORTED				X				X		
	PERMIT CONDITION				X				X		
FLOW	REPORTED					0.03424 ¹		MGD	X		
					X				X		

Description and cause of Non Compliance: Increased flow due to additional people on site as result of repiping and refueling outage and flow surges to the treatment plant.

¹ Break in potable water line may have inflated the calculated discharge flow.

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF OFFICER	DATE	I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE, COMPLETE, AND ACCURATE.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Cooper L. John	Environmental Manager	8 5 0 2 2 8		
LAST FIRST MI	TITLE	YEAR MONTH DAY		

NEBRASKA DEPARTMENT OF ENVIRONMENTAL CONTROL
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 NON COMPLIANCE REPORT



NAME: Nebraska Public Power District
 Cooper Nuclear Station
 NE Quarter, NW Quarter, Section 32
 Township 5N, Range 16E, Nemaha County
 Pipe 005

THIS REPORT MUST BE FILED WHEN THE LABORATORY TEST RESULTS FROM ANY EFFLUENT SAMPLE EXCEEDS THE LIMITS IN YOUR NPDES DISCHARGE PERMIT.

0001244
 PERMIT NUMBER

Date Sample Taken

8	15	0	12	1	13
YEAR		MONTH		DAY	

INSTRUCTIONS FOR COMPLETION ARE ON BACK.

100-19-230

PARAMETER		QUANTITY (KG/DAY)				CONCENTRATION (MG/L)				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS		AVERAGE	MAXIMUM	UNITS			
Total Suspended Solids	REPORTED	2.66		kg/day	2	49		mg/l	2	1/30	24 hour comp.
	PERMIT CONDITION	1.14	1.71		X	30	45		X	1/90	24 hour comp.
	REPORTED	2.71		kg/day	2	50		mg/l	2	1/30	24 hour comp.
	PERMIT CONDITION	1.14	1.71		X	30	45		X	1/90	24 hour comp.
	REPORTED				X				X		
	PERMIT CONDITION				X				X		
	REPORTED				X				X		
	PERMIT CONDITION				X				X		
FLOW	REPORTED				X	0.01434		MGD	X		
					X				X		

Description and cause of Non Compliance: Increased flow due to additional people on site as a result of repiping and refueling outage and flow surges to the treatment plant.

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF OFFICER	DATE	I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE, COMPLETE, AND ACCURATE.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Cooper L. John	Environmental Manager	8 5 0 2 2 8		
LAST FIRST MI	TITLE	YEAR MONTH DAY		

50-333

-15-4 (11/80)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



SPDES — DISCHARGE MONITORING REPORT

SEE THE REVERSE SIDE OF PART 4 FOR INSTRUCTIONS

REGION	COUNTY	DATE PRODUCED	PAGE
7	35 SJJ33	11-31-85	1 of 1
FACILITY I.D.		REPORT PERIOD	
NY0020109		01-01-85 THRU 01-31-85	

PARAMETER/UNITS	OUT FALL	MONITORING LOCATION	REPORT SECTION				SAMPLE CHARACTERISTICS		
			LIMIT	MINIMUM	AVERAGE	MAXIMUM	# EX.	TYPE	FREQUENCY
TEMPERATURE 33 C	001	EFFLUENT VALVE 011001110101	LIMIT	*****	*****	44.5000		METERED	CONTINUOUS
			REPORTED VALUE	*****	*****	22.56	0	METERED	CONTINUOUS
TEMPERATURE - DIFF DEG C	001	EFFLUENT VALVE 0200016040101	LIMIT	*****	*****	18.0000		METERED	CONTINUOUS
			REPORTED VALUE	*****	*****	16.5	0	METERED	CONTINUOUS
PH SU	001	EFFLUENT VALVE 0300400120101	LIMIT	6.5000	*****	8.5000		GRAB	2 PER WEEK
			REPORTED VALUE	8.1	*****	8.2	0	GRAB	2/WEEK
PH SU	012	NET VALUE 0400400121204	LIMIT	6.0000	*****	9.0000		GRAB	WEEKLY
			REPORTED VALUE	7.3	*****	7.6	0	GRAB	WEEKLY
UNIFORM-FECAL MPN/100ML	012	NET VALUE 0574055081204	LIMIT	*****	*****	200.0000		GRAB	MONTHLY
			REPORTED VALUE	*****	N/A	<2.2	0	GRAB	MONTHLY
SUSPENDED SOLIDS MG/L	012	NET VALUE 0680154011204	LIMIT	*****	*****	30.0000		24 HR COMP	MONTHLY
			REPORTED VALUE	*****	N/A	8.0	0	24 HR COMP	MONTHLY
SODIUM MG/L	012	NET VALUE 0785001011204	LIMIT	*****	*****	30.0000		24 HR COMP	MONTHLY
			REPORTED VALUE	*****	N/A	9.1	0	24 HR COMP	MONTHLY
HEAT BIL BTU/H	001	NET VALUE 0833303350104	LIMIT	*****	*****	5.7200		METERED	CONTINUOUS
			REPORTED VALUE	*****	*****	5.472	0	METERED	CONTINUOUS
VELOCITY FT/SEC	002	PRE-INFLUENT SC 099990924020300	LIMIT	*****	*****	1.4000		METERED	CONTINUOUS
			REPORTED VALUE	*****	*****	1.40	0	METERED	CONTINUOUS
			LIMIT						
			REPORTED VALUE						

B503080121 B50131
PDR ADOCK 05000333
R PDR

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

SIGNATURE
[Signature]

DATE

PERMITTEE
 PERMITTEE
 2 AGENT

POWER AUTHORITY OF N Y S
 JAMES A FITZPATRICK NUCLEAR POWER PLANT
 BOX 41
 LYCOMING NY 13093

NY0020109
 04 MEI 02
 35 03 SJ3 03 SV 0

PART 1—ENCON COPY

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 PLANTMONTH OF JANUARY 1985
SPDES REPORTSPDES NY0020109 NONCOMPLIANCE WITH CONDITIONSA. 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

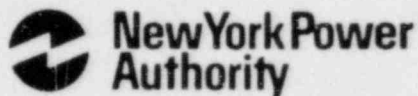
A critique of this event was held by the Operations, Maintenance, and the Chemistry and Environmental Departments.

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
P.O. 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'.

HAROLD A. GLOVIER

^{HS}
HAG:JAS:jaa

Attachments

COPY: T. E. Murley (NRC/IE-1)
H. R. Denton (NRC/NRR)
K. Delprete (NYDEC)
D. Barolo (NYDEC)
R. Baker (EPA/Region 2)
C. A. McNeill, Jr. (NYPA/WPO)
J. Blake (NYPA/WPO)
J. A. Solini
Document Control Center
File

IEas
1/1