

Georgia Power Corp.  
Attn: Mr. J. T. Beckham, Jr.  
Office Bldg. 5201  
Atlanta, GA 30303  
Tel: 404/517-7279



HL-2002  
002782

January 3, 1992

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

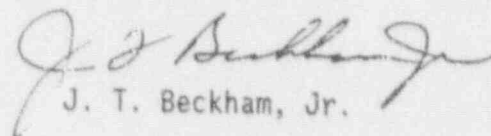
PLANT HATCH - UNIT 1  
NRC DOC. 50-321  
OPERATING LICENSES DPR-57  
NPDES PERMIT NONCOMPLIANCE

Gentlemen:

In accordance with the requirements of Plant Hatch Environmental Technical Specifications, Section 4.3, attached is a copy of a report made to the Georgia Department of Natural Resources concerning a noncompliance with NPDES permit number GA.004120. This report is applicable to Plant Hatch - Unit 1.

Should you have any questions, please contact the office.

Sincerely,

  
J. T. Beckham, Jr.

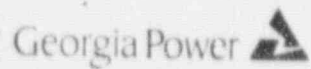
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Enclosure

cc: (See next page.)

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U.S. Nuclear Regulatory Commission  
January 3, 1992  
Page Two

cc: Georgia Power Company  
Mr. H. L. Sumner, General Manager - Nuclear Plant  
NORMS

U.S. Nuclear Regulatory Commission, Washington, D.C.  
Mr. K. Jabbar, Licensing Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II  
Mr. S. D. Ebner, Regional Administrator  
Mr. L. D. Wert, Senior Resident Inspector - Hatch

002782

Georgia Power Company  
333 Piedmont Avenue  
Atlanta, Georgia 30308  
Telephone 404 526-6526

Mailing Address:  
Post Office Box 4545  
Atlanta, Georgia 30302

Chris M. Hobson  
Manager  
Licensing and Compliance



January 3, 1992

PLANT HATCH

NPDES Permit No. GA0004120

Mr. Lawrence W. Hedges  
Program Manager  
Industrial Wastewater Program  
205 Butler Street, S.E., Room 1070  
Atlanta, Georgia 30334

Dear Mr. Hedges:

In accordance with Part II.A.2. of the above-referenced NPDES permit, attached is a report of the circumstances of the chlorine exceedance which was reported to Mr. Michael S. Creason by telephone on December 30, 1991.

If you have questions or comments, please advise.

Yours very truly,

C. M. Hobson

GNG:el  
Attachment

cc: Mr. Michael S. Creason, South Unit Coordinator  
Mr. Larry P. Kloet, Environmental Engineer

Post-It™ brand fax transmittal memo 7671		# of pages » 3
To S.A. MILLER	From G.N. GUILLE	
Co. SO. NUC. CO.	Co. GA. POWER	
Dept. ENV.	Phone 8-526-7039	
Fax 8-821-6708	Fax #	

5629

Plant E. I. Hatch  
NPDES Permit No. GA 0004120

Description of Event

A weekly sample from the Unit 1 final discharge mixing chamber (OSN 01) taken at 0905 hours on 12/30/91 indicated that chlorinated water was being discharged to the Altamaha River with a total residual chlorine (TRC) concentration of 1.4 parts per million (ppm) and a free available chlorine concentration (FAC) of 1.2 ppm.

No specific chlorine limits for OSN 01 are specified in the NPDES Permit. However, the permit does require an increased sampling frequency at OSN 01 of once per 15 minutes during periods of chlorinated water discharge. A measurable chlorine concentration at OSN 01 was not expected and, therefore, this increased sampling frequency was not being performed prior to the analysis of the weekly sample. An increased sampling frequency was initiated upon discovery of the measurable chlorine concentration.

Cause of Event

The direct cause of the event was an internal failure of the valve which isolates the chlorine addition system from the Unit 1 service water system intake. The chlorine addition system serves the service water intakes for both Unit 1 and Unit 2. Due to the valve failure, the Unit 1 service water system was receiving an unintentional chlorine treatment during a planned chlorine addition to the Unit 2 service water system. The Unit 1 service water system was aligned at the time to discharge directly to OSN 01.

Period of Event

The discharge of chlorinated water began at 0730 when the Unit 1 service water system was first aligned to discharge directly to OSN 01. At 1000, following identification of the failed valve, the chlorine addition to the service water systems was terminated. TRC and FAC concentrations at OSN 01 both decreased to <0.1 ppm by 1040. The time of chlorine discharge through OSN 01 was approximately 190 minutes.

Actions Taken to Prevent Recurrence

1. The failed plant service water chlorine addition valve has been replaced.
2. The corresponding valve for Unit 2 will be inspected for similar conditions as was found on Unit 1 within the next 30 days.



3. As an additional measure to preclude an unplanned discharge of chlorine from the site due to an undetected valve failure, chlorine will normally be added to a plant service water system only when the service water systems of both units are aligned to discharge to the circulating water system of the respective unit. At times when chlorination of the plant service water system is required and the above alignment is not possible (e.g., with either unit's plant service water system being diverted directly to the final discharge mixing chamber) then sampling will be performed at the final discharge mixing chamber of both units to verify that the chlorine addition is occurring only on the desired unit's plant service water system.
4. Chlorination of the plant service water systems for both units has been suspended until the necessary operating procedures have been modified as described above.