Georgia Power Company
40 Inverness Center Parkway
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J. T. Beckham, Jr.
Vice President - Nuclear
Hatch Project

Georgia Power
the southern electric system

March 26, 1996

Docket Nos. 50-321
50-366

HL-5127

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

Edwin I. Hatch Nuclear Plant
Annual Environmental Surveillance Report

Gentlemen:

In accordance with the Plant Hatch Units 1 and 2 Environmental Technical Specifications (Appendix B to Facility Operating Licenses DPR-57 and NPF-5), Section 5.6.1, Georgia Power Company is submitting the enclosed Environmental Surveillance Report for 1995.

If you have any questions in this regard, please contact this office at any time.

Sincerely,

J. T. Beckham, Jr.

KWB/ahl
ENV-96-053

Enclosure: Annual Environmental Surveillance Report for 1995

cc: *Georgia Power Company*
Mr. H. L. Sumner, Nuclear Plant General Manager
Mr. C. M. Hobson, Manager - Environmental Affairs
NORMS

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

U. S. Nuclear Regulatory Commission, Region II
Mr. S. D. Ebneter, Regional Administrator
Mr. B. L. Holbrook, Senior Resident Inspector - Hatch

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Enclosure

Edwin I. Hatch Nuclear Plant - Units 1 and 2
Annual Environmental Surveillance Report

Specification

This report is submitted in accordance with Section 5.6.1 of the Edwin I. Hatch Nuclear Plant Environmental Technical Specifications, Appendix B to Facility Operating Licenses DPR-57 and NPF-5. The report summarizes the environmental activities for Units 1 and 2 for the period January 1, 1995, through December 31, 1995.

By letter dated, December 19, 1995, the NRC approved Georgia Power Company's request to replace the Environmental Technical Specifications with an Environmental Protection Plan (nonradiological) and to revise Operating Licenses DPR-57 and NPF-5 to reflect these changes. Amendment No. 199 to Facility Operating License DPR-57 and Amendment No. 140 to Facility Operating License NPF-5 replaced the existing Appendix B, "Environmental Technical Specifications (ETS)," with a new Appendix B, "Environmental Protection Plan." Implementation of the amendments was completed by February 16, 1996, as required. The changes associated with the amendments are administrative in nature, altering only the format and location of programmatic controls and procedural details relative to nonradiological environmental monitoring. Reporting for environmental matters occurring subsequent to February 16, 1996, will be performed in accordance with the requirements of the new Environmental Protection Plan.

Reporting Requirements

A. Summaries, Analyses, and Interpretations of the Results of the Environmental Monitoring Activities for the Report Period

There were no nonradiological environmental monitoring activities performed at Plant Hatch during the report period, beyond those performed in accordance with NPDES Permit No. GA0004120 and referenced in Section H below.

B. Comparisons with Preoperational Studies, Operational Controls, and Previous Monitoring Reports

These comparisons were not necessary because no nonradiological monitoring programs were conducted during the report period, beyond those performed in accordance with NPDES Permit No. GA0004120 and referenced in Section H below.

C. An Assessment of the Observed Impacts of Plant Operation on the Environment

No significant environmental impacts were associated with plant operation during the report period.

D. Environmental Technical Specifications Noncompliance and Corrective Actions Taken

No instances of ETS noncompliance occurred during the report period.

E. Changes to Federal and State Permits and Certificates

In 1995, no changes were made in Federal and State permits or certificates relative to the requirements of the Plant Hatch ETS Section 5.6.3.2.

F. Changes in Station Design or Operation that Could Involve an Environmental Impact or Change in the Findings of the Final Environmental Statement

By letter dated July 21, 1995, the NRC issued an environmental assessment and finding of no significant impact based on review of the environmental assessment provided by Georgia Power Company in support of a request for license amendments to increase the licensed core thermal power. The amendments, which proposed an increase in licensed core thermal power from 2436 MWt to 2558 MWt, were approved on August 30, 1995.

No changes in the findings of the final Environmental Statement resulted from the amendments.

G. Changes in ETS

On December 19, 1995, the NRC issued Amendment No. 199 to Facility Operating License DPR-59 and Amendment No. 140 to Facility Operating License No. NPF-5, which replaced the existing Appendix B, "Environmental Technical Specifications," with an "Environmental Protection Plan." The amendments were implemented by February 16, 1996, as requested.

H. Copies of All Reports Regarding Station Discharges Made in Accordance with NPDES Permit No. GA0004120

Copies of the Plant Hatch 1995 quarterly NPDES Operational Monitoring Reports and the 1995 Flow Monitoring and Characterization Study are included as Attachments 1 and 2, respectively.

ATTACHMENT 1

Edwin I. Hatch Nuclear Plant - Units 1 and 2
Annual Environmental Surveillance Report
1995 Quarterly NPDES Operational Monitoring Reports

HL-5127
ENV-96-053

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: **01G - Low Volume Waste (Neutralization Tank)**

Type of Sample:	Grab	Grab
Frequency of Analysis:	2/Month	2/Month
PCS Code:	(530)	(556)
Parameter:	Suspended Solids mg/l (TSS)	Oil & Grease mg/l (O&G)
Limits:	Avg. 30	Avg. 15
	Max. 100	Max. 20
Date:	MG/L	MG/L
01-03-95	3.0	1.0
01-16-95	7.6	1.9
02-13-95	1.8	1.4
02-22-95	37.0	13.8
03-06-95	1.0	1.0
03-22-95	22.0	1.9
Month of January:		
No. of Samples:	2	2
Average Value:	5.3	1.5
Max. Value:	7.6	1.9
Limits Exceeded:	0	0
Month of February:		
No. of Samples:	2	2
Average Value:	19.4	7.6
Max. Value:	37.0	13.8
Limits Exceeded:	0	0
Month of March:		
No. of Samples:	2	2
Average Value:	11.5	1.5
Max. Value:	22.0	1.9
Limits Exceeded:	0	0

RLS1555283

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01H - Low Volume Waste (Pressure Filters Backwash)

Type of Sample:	Grab	Grab
Frequency of Analysis:	1/Quarter	1/Quarter
PCS Code:	(530)	(556)
Parameter:	Suspended Solids (TSS)	Oil & Grease (O&G)
Limits:	Avg. 30	Avg. 15
	Max. 100	Max. 20
Date:	MG/L	MG/L
02-21-95	1.3	0
Month of January:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---
Month of February:		
No. of Samples:	1	1
Average Value:	1.3	0
Max. Value:	1.3	0
Limits Exceeded:	0	0
Month of March:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---

RLS1555284

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: **01A - Unit One Cooling Tower Blowdown**

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
01-04-95	0	0	0	0		
01-05-95	--	--	--	--	0.03	0.0
01-11-95	0	0	0	0	--	--
01-18-95	0	0	0	0	--	--
01-27-95	0	0	0	0	--	--
02-01-95	0	0	0	0	--	--
02-08-95	0	0	0	0	--	--
02-15-95	0	0	0	0	--	--
02-22-95	0	0	0	0	--	--
03-01-95	0	0	0	0	--	--
03-08-95	0	0	0	0	--	--
03-15-95	0	0	0	0	--	--
03-29-95	0	0	0	0	--	--
Month of January:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.03	0.0
Max. Value:	0	0	0	0	0.03	0.0
Limits Exceeded:	0	0	0	0	0	0
Month of February:						
No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1555285

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Month of March:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

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QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: **02A - Unit Two Cooling Tower Blowdown**

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
01-04-95	0	0	0	0	---	---
01-05-95	--	--	--	--	0.2	0.0
01-11-95	0	0	0	0	---	---
01-18-95	0	0	0	0	---	---
01-27-95	0	0	0	0	---	---
02-01-95	0	0	0	0	---	---
02-08-95	0	0	0	0	---	---
02-15-95	0	0	0	0	---	---
02-22-95	0	0	0	0	---	---
03-01-95	0	0	0	0	---	---
03-08-95	0	0	0	0	---	---
03-15-95	0	0	0	0	---	---
03-29-95	0	0	0	0	---	---
Month of January:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.2	0.0
Max. Value:	0	0	0	0	0.2	0.0
Limits Exceeded:	0	0	0	0	0	0
Month of February:						
No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

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QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Month of March:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

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QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01B - Unit One Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel	Time TRC & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/1)	(mg/1)	(mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
01-09-95	--	--	--	--	.02	0.0

Overflow did not occur during period of chlorination.

Month of January:						
No. of Samples:	0	0	0	0	1	1
Avg. Value:	--	--	--	--	.02	0.0
Max. Value:	--	--	--	--	.02	0.0
Limits Exceeded:	--	--	--	--	0	0
Month of February:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of March:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

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QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: **01I - Unit One Cooling Tower Basin Drains**

Location:	Blowdown	Blowdown	Blowdown	Tower Basin	Tower Basin
Type:	Mltpl Grab	Mltpl Grab	Mltpl Grab	Grab	Grab
Frequency:	1/Week	1/Week	1/Week	1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min) (mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120 N/A	1.0	0.2
PCS Code:	50064	50064	81400 50060	1092	1034
Date:					

This outfall was not utilized during the reporting period.

Month of January:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of February:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of March:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

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QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01J - Unit One Cooling Tower Basin Overflows to Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel (min)	Time TRC & avg. (mg/1)	Zinc max. (mg/1)	Chromium max. (mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						

This outfall was not utilized during the reporting period.

Month of January:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of February:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of March:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

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QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02B - Unit Two Cooling Water Overflow To Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
01-05-95	-	-	-	-	0.2	0.02

Discharge did not occur during period of chlorination.

Month of January:						
No. of Samples:	0	0	0	0	1	1
Avg. Value:	---	---	---	---	0.2	.02
Max. Value:	---	---	---	---	0.2	.02
Limits Exceeded:	---	---	---	---	0	0
Month of February:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	--	--
Max. Value:	---	---	---	---	--	--
Limits Exceeded:	---	---	---	---	--	--
Month of March:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	--
Max. Value:	---	---	---	---	---	--
Limits Exceeded:	---	---	---	---	---	--

RLS1555292

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02C - Unit Two Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						

This outfall was not utilized during the reporting period.

Month of January:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---

Month of February:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---

Month of March:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	--	--
Max. Value:	---	---	---	---	--	--
Limits Exceeded:	---	---	---	---	--	--

RLS1555293

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: **01E - Low Volume Waste (Liquid Radwaste System Unit One)**

Type of Sample: Grab
Frequency of Analysis: 2/Month

	PCS Code:	(530)	(556)				
	Parameter:	TSS	O & G	Nitrite (Chill Water) Releases to discharge point OSN 01			
		mg/1	mg/1				
	Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
Date:							
01-04-95		1.0	1.0	--	--	--	--
01-16-95		23.0	12.2	--	--	--	--
02-06-95		13.0	0.5	--	--	--	--
02-20-95		6.0	7.8	--	--	--	--
03-07-95		13.5	0.0	--	--	--	--
03-20-95		16.0	6.6	--	---	---	--
Month of January:							
No. of Samples		2	2	0	0	0	0
Average Value:		12	6.6	--	--	--	--
Max. Value		23	12.2	--	--	--	--
Limits Exceeded:		0	0	--	--	--	--
Month of February:							
No. of Samples		2	2	0	0	0	0
Average Value:		9.5	4.2	--	--	--	--
Max. Value		13.0	7.8	--	--	--	--
Limits Exceeded:		0	0	--	--	--	--
Month of March:							
No. of Samples		2	2	0	0	0	0
Average Value:		14.8	3.3	--	--	--	--
Max. Value		16.0	6.6	--	--	--	--
Limits Exceeded:		0	0	--	--	--	--

RLS1555294

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02E - Low Volume Waste (Liquid Radwaste System Unit Two)

Type of Sample:	Grab					
Frequency of Analysis:	2/Month					
CS Code:	(530)	(556)				
Parameter:	TSS	O & G	Nitrite (Chill Water) Releases to discharge point OSN 02			
	mg/1	mg/1				
Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
Date:						
01-04-95	1.2	0.4	--	--	--	--
01-17-95	0.3	0.4	--	--	--	--
02-06-95	1.0	0.0	--	--	--	--
02-21-95	0.4	0.0	--	--	--	--
03-06-95	1.4	1.0	--	--	--	--
03-20-95	1.2	1.7	--	--	--	--
Month of January:						
No. of Samples	2	2	0	0	0	0
Average Value:	0.8	0.4	--	--	---	--
Max. Value	1.2	0.4	--	--	---	--
Limits Exceeded:	0	0	--	--	---	--
Month of February:						
No. of Samples	2	2	0	0	0	0
Average Value:	0.7	0.0	--	--	--	--
Max. Value	1.0	0.0	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--
Month of March:						
No. of Samples	2	2	0	0	0	0
Average Value:	1.3	1.4	--	--	--	--
Max. Value	1.4	1.7	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

RLS1555295

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Sewage Treatment Plant Sludge Disposal
(lbs/day/month)

January		February		March	
Date	lbs	Date	lbs	Date	lbs
No sludge removed during the month of January		No sludge removed during the month of February		No sludge removed during the month of March	

RLS1555296

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01 - Combined Plant Waste Streams Unit One

Frequency of Analysis:	1/Week			
Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
PCS Code:	(11)	(50060)	(50064)	(400)
Date:				
01-02-95	73	0.0	0.0	7.4
01-09-95	73	0.0	0.0	7.6
01-16-95	69	0.0	0.0	7.7
01-23-95	73	0.0	0.0	7.7
01-30-95	66	0.0	0.0	7.7
02-06-95	64	0.0	0.0	7.7
02-13-95	71	0.0	0.0	7.8
02-20-95	72	0.0	0.0	7.6
02-27-95	71	0.0	0.0	7.7
03-06-95	76	0.0	0.0	7.1
03-13-95	76	0.0	0.0	7.8
03-20-95	75	0.0	0.0	7.5
03-27-95	80	0.0	0.0	7.7
Month of January:				
No. of Samples	5	5	5	5
Average Value:	71	0.0	0.0	7.6
Max. Value	73	0.0	0.0	7.7
Limits Exceeded:	0	0	0	0
Month of February:				
No. of Samples	4	4	4	4
Average Value:	70	0.0	0.0	7.7
Max. Value	72	0.0	0.0	7.8
Limits Exceeded:	0	0	0	0
Month of March:				
No. of Samples	4	4	4	4
Average Value:	77	0.0	0.0	7.5
Max. Value	80	0.0	0.0	7.8
Limits Exceeded:	0	0	0	0

RLS1555297

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02 - Combined Plant Waste Streams Unit Two -

Frequency of Analysis: 1/Week

Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
Code:	(11)	(50060)	(50064)	(400)
Date:				
01-02-95	76	0.0	0.0	8.0
01-09-95	69	0.0	0.0	8.1
01-16-95	69	0.0	0.0	7.7
01-23-95	73	0.0	0.0	7.7
01-30-95	66	0.0	0.0	7.7
02-06-95	66	0.0	0.0	7.7
02-13-95	71	0.0	0.0	7.8
02-20-95	72	0.0	0.0	7.6
02-27-95	71	0.0	0.0	7.7
03-06-95	76	0.0	0.0	7.1
03-13-95	76	0.0	0.0	7.8
03-20-95	73	0.0	0.0	7.6
03-27-95	80	0.0	0.0	7.7
Month of January:				
No. of Samples	4	4	4	4
Average Value:	89	0.0	0.0	7.4
Max. Value	91	0.0	0.0	7.9
Limits Exceeded:	0	0	0	0
Month of February:				
No. of Samples	5	5	5	5
Average Value:	87	0.0	0.0	7.4
Max. Value	89	0.0	0.0	7.8
Limits Exceeded:	0	0	0	0
Month of March:				
No. of Samples	4	4	4	4
Average Value:	76	0.0	0.0	7.6
Max. Value	80	0.0	0.0	7.8
Limits Exceeded:	0	0	0	0

RLS1555298

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 01-01-95
To: 03-31-95

NPDES Permit Number: GA0004120

I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations

H. L. Sumner, Jr.
General Manager
Nuclear Plant

RLS1555299

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01G - Low Volume Waste (Neutralization Tank)

Type of Sample:	Grab	Grab
Frequency of Analysis:	2/Month	2/Month
PCS Code:	(530)	(556)
Parameter:	Suspended Solids mg/l (TSS)	Oil & Grease mg/l (O&G)
Limits:	Avg. 30 Max. 100	Avg. 15 Max. 20.
Date:	MG/L	MG/L
04-08-95	0.8	0.0
04-19-95	10.1	0.0
05-15-95	3.5	0.0
05-25-95	6.5	0.0
06-09-95	6.7	1.0
06-28-95	27.5	0.0
Month of April:		
No. of Samples:	2	2
Average Value:	5.5	0.0
Max. Value:	10.1	0.0
Limits Exceeded:	0	0
Month of May:		
No. of Samples:	2	2
Average Value:	5.0	0.0
Max. Value:	6.5	0.0
Limits Exceeded:	0	0
Month of June:		
No. of Samples:	2	2
Average Value:	17.1	0.5
Max. Value:	27.5	0.0
Limits Exceeded:	0	0

RLS1556205

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01H - Low Volume Waste (Pressure Filters Backwash)

Type of Sample:	Grab	Grab
Frequency of Analysis:	1/Quarter	1/Quarter
PCS Code:	(530)	(556)
Parameter:	Suspended Solids (TSS)	Oil & Grease (O&G)
Limits:	Avg. 30 Max. 100	Avg. 15 Max. 20
Date:	MG/L	MG/L
05-16-95	0.2	0
Month of April:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---
Month of May:		
No. of Samples:	1	1
Average Value:	0.2	0
Max. Value:	0.2	0
Limits Exceeded:	0	0
Month of June:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---

RLS1556206

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01A - Unit One Cooling Tower Blowdown

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
04-05-95	0	0	0	0	.03	.01
04-12-95	0	0	0	0	--	--
04-19-95	0	0	0	0	--	--
04-26-95	0	0	0	0	--	--
05-03-95	0	0	0	0	--	--
05-10-95	0	0	0	0	--	--
05-17-95	0	0	0	0	--	--
05-24-95	0	0	0	0	--	--
05-31-95	0	0	0	0	--	--
06-07-95	0	0	0	0	--	--
06-14-95	0	0	0	0	--	--
06-21-95	0	0	0	0	--	--
06-29-95	0	0	0	0	--	--
Month of April:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.03	0.01
Max. Value:	0	0	0	0	0.03	0.01
Limits Exceeded:	0	0	0	0	0	0
Month of May:						
No. of Samples:	5	5	5	5	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1556207

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Month of June:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1556208

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02A - Unit Two Cooling Tower Blowdown

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/1)	(mg/1)	(mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
04-05-95	0	0	0	0	.05	0.0
04-12-95	0	0	0	0	---	---
04-19-95	Unit in outage no sample available					
04-27-95	0	0	0	0	---	---
05-03-95	0	0	0	0	---	---
05-10-95	0	0	0	0	---	---
05-17-95	0	0	0	0	---	---
05-24-95	0	0	0	0	---	---
05-31-95	0	0	0	0	---	---
06-07-95	0	0	0	0	---	---
06-14-95	0	0	0	0	---	---
06-21-95	0	0	0	0	---	---
06-29-95	0	0	0	0	---	---
Month of April:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	.05	0.0
Max. Value:	0	0	0	0	.05	0.0
Limits Exceeded:	0	0	0	0	0	0
Month of May:						
No. of Samples:	5	5	5	5	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1556209

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Month of June:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1556210

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01B - Unit One Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week	"	1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel	Time TRC & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						

No sample available for this reporting period.

Month of April:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of May:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of June:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

RLS1556211

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01I - Unit One Cooling Tower Basin Drains

Location:	Blowdown	Blowdown	Blowdown	Tower Basin	Tower Basin
Type:	Mltpl Grab	Mltpl Grab	Mltpl Grab	Grab	Grab
Frequency:	1/Week	1/Week	1/Week	1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min) (mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120 N/A	1.0	0.2
PCS Code:	50064	50064	81400 50060	1092	1034
Date:					

This outfall was not utilized during the reporting period.

Month of April:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of May:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of June:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

RLS1556212

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01J - Unit One Cooling Tower Basin Overflows to Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time rel (min)	TRC & avg. (mg/1)	Zinc max. (mg/1)	Chromium max. (mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
Month of April:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of May:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of June:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

This outfall was not utilized during the reporting period.

RLS1556213

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02B - Unit Two Cooling Water Overflow To Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel (min)	Time TRC & avg. (mg/1)	Zinc max. (mg/1)	Chromium max. (mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
04-13-95	-	-	-	-	0.0	0.0

Discharge did not occur during period of chlorination.

Month of April:						
No. of Samples:	0	0	0	0	1	1
Avg. Value:	---	---	---	---	0.0	0.0
Max. Value:	---	---	---	---	0.0	0.0
Limits Exceeded:	---	---	---	---	0	0
Month of May:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	--	--
Max. Value:	---	---	---	---	--	--
Limits Exceeded:	---	---	---	---	--	--
Month of June:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	--
Max. Value:	---	---	---	---	---	--
Limits Exceeded:	---	---	---	---	---	--

RLS1556214

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02C - Unit Two Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/1)	(mg/1)	(mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
04-13-95	--	--	--	--	.01	0.0

Discharge did not occur during period of chlorination.

Month of April:						
No. of Samples:	0	0	0	0	1	1
Avg. Value:	---	---	---	---	.01	0.0
Max. Value:	---	---	---	---	.01	0.0
Limits Exceeded:	---	---	---	---	0	0
Month of May:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of June:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	--	--
Max. Value:	---	---	---	---	--	--
Limits Exceeded:	---	---	---	---	--	--

RLS1556215

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01E - Low Volume Waste (Liquid Radwaste System Unit One)

Type of Sample: Grab
Frequency of Analysis: 2/Month

Parameter:	TSS	O & G	Nitrite (Chill Water) Releases to discharge point OSN 01			
	mg/l	mg/l				
Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
PCS Code:	(530)	(556)				
Date:						
04-03-95	26.3	4.9	--	--	--	--
04-17-95	23.9	1.0	--	--	--	--
05-01-95	20.0	3.9	--	--	--	--
05-15-95	14.5	4.0	--	--	--	--
06-05-95	20.8	5.4	--	--	--	--
06-19-95	5.9	0.0	--	---	---	--
Month of April:						
No. of Samples	2	2	0	0	0	0
Average Value:	25.1	3.0	--	--	--	--
Max. Value	26.3	4.9	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--
Month of May:						
No. of Samples	2	2	0	0	0	0
Average Value:	17.3	4.0	--	--	--	--
Max. Value	20.0	4.0	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--
Month of June:						
No. of Samples	2	2	0	0	0	0
Average Value:	13.4	2.7	--	--	--	--
Max. Value	20.8	5.4	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

RLS1556216

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02E - Low Volume Waste (Liquid Radwaste System Unit Two)

Type of Sample: Grab
Frequency of Analysis: 2/Month

			Nitrite (Chill Water) Releases to discharge point OSN 02			
PCS Code:	(530)	(556)				
Parameter:	TSS	O & G				
	mg/1	mg/1				
Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
Date:						
04-03-95	0.4	1.4	--	--	--	--
04-18-95	3.3	2.5	--	--	--	--
05-01-95	0.8	0.0	--	--	--	--
05-15-95	1.4	7.0	--	--	--	--
06-05-95	0.4	0.0	--	--	--	--
06-19-95	0.7	0.6	--	--	--	--
Month of April:						
No. of Samples	2	2	0	0	0	0
Average Value:	1.9	2.0	--	--	---	--
Max. Value	3.3	2.5	--	--	---	--
Limits Exceeded:	0	0	--	--	---	--
Month of May:						
No. of Samples	2	2	0	0	0	0
Average Value:	1.1	3.5	--	--	--	--
Max. Value	1.4	7.0	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--
Month of June:						
No. of Samples	2	2	0	0	0	0
Average Value:	0.6	0.3	--	--	--	--
Max. Value	0.7	0.6	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

RLS1556217

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Sewage Treatment Plant Sludge Disposal
(lbs/day/month)

April		May		June	
Date	lbs	Date	lbs	Date	lbs
04/18/95	791.8	No sludge removed during the month of May		06/28/95	720.5
04/20/95	910.4				

RLS1556218

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01 - Combined Plant Waste Streams Unit One

Frequency of Analysis:	1/Week			
Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
PCS Code:	(11)	(50060)	(50064)	(400)
Date:				
04-03-95	78	0.0	0.0	7.8
04-10-95	84	0.0	0.0	7.7
04-17-95	82	0.0	0.0	7.8
04-24-95	80	0.0	0.0	7.6
05-01-95	87	0.0	0.0	7.9
05-08-95	84	0.0	0.0	7.6
05-15-95	93	0.0	0.0	7.6
05-22-95	84	0.0	0.0	7.6
05-28-95	91	0.0	0.0	8.0
06-05-95	87	0.0	0.0	7.9
06-12-95	93	0.0	0.0	7.5
06-19-95	86	0.0	0.0	8.0
06-26-95	91	0.0	0.0	7.9
Month of April:				
No. of Samples	4	4	4	4
Average Value:	81	0.0	0.0	7.7
Max. Value	84	0.0	0.0	7.8
Limits Exceeded:	0	0	0	0
Month of May:				
No. of Samples	5	5	5	5
Average Value:	88	0.0	0.0	7.7
Max. Value	93	0.0	0.0	8.0
Limits Exceeded:	0	0	0	0
Month of June:				
No. of Samples	4	4	4	4
Average Value:	89	0.0	0.0	7.8
Max. Value	93	0.0	0.0	8.0
Limits Exceeded:	0	0	0	0

RLS1556219

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02 - Combined Plant Waste Streams Unit Two

Frequency of Analysis: 1/Week

Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
Code:	(11)	(50060)	(50064)	(400)
Date:				
04-03-95	78	0.0	0.0	7.9
04-10-95	84	0.0	0.0	8.3
04-17-95	77	0.15	0.0	7.9
04-24-95	80	0.0	0.0	8.1
05-01-95	87	0.0	0.0	8.2
05-08-95	73	0.0	0.0	8.0
05-15-95	95	0.0	0.0	8.4
05-22-95	86	0.0	0.0	7.4
05-28-95	91	0.0	0.0	8.5
06-05-95	89	0.0	0.0	8.2
06-12-95	93	0.0	0.0	7.6
06-19-95	87	0.0	0.0	7.6
06-26-95	90	0.0	0.0	8.4
Month of April:				
No. of Samples	4	4	4	4
Average Value:	79	0.15	0.0	8.0
Max. Value	84	0.15	0.0	8.3
Limits Exceeded:	0	0	0	0
Month of May:				
No. of Samples	5	5	5	5
Average Value:	86	0.0	0.0	8.1
Max. Value	95	0.0	0.0	8.5
Limits Exceeded:	0	0	0	0
Month of June:				
No. of Samples	4	4	4	4
Average Value:	90	0.0	0.0	7.9
Max. Value	93	0.0	0.0	8.4
Limits Exceeded:	0	0	0	0

RLS1556220

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 04-01-95
To: 06-30-95

NPDES Permit Number: GA0004120

I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

H. L. Sumner, Jr.
General Manager
Nuclear Plant

RLS1556221

07-03-01-00

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: **01G - Low Volume Waste (Neutralization Tank)**

Type of Sample:	Grab	Grab
Frequency of Analysis:	2/Month	2/Month
PCS Code:	(530)	(556)
Parameter:	Suspended Solids mg/l (TSS)	Oil & Grease mg/l (O&G)
Limits:	Avg. 30 Max. 100	Avg. 15 Max. 20
Date:	MG/L	MG/L
07-03-95	11.0	0.0
07-17-95	9.3	9.5
08-07-95	17.7	2.7
08-21-95	21.7	0.0
09-05-95	81.6	0.0
09-11-95	4.7	--
09-21-95	11.2	0.0
09-26-95	4.6	--
Month of July:		
No. of Samples:	2	2
Average Value:	10.2	4.8
Max. Value:	11.0	9.5
Limits Exceeded:	0	0
Month of August:		
No. of Samples:	2	2
Average Value:	19.7	1.4
Max. Value:	21.7	2.7
Limits Exceeded:	0	0
Month of September:		
No. of Samples:	4	2
Average Value:	25.5	0.0
Max. Value:	81.6	0.0
Limits Exceeded:	0	0

RLS1564635

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01H - Low Volume Waste (Pressure Filters Backwash)

Type of Sample:	Grab	Grab
Frequency of Analysis:	1/Quarter	1/Quarter
PCS Code:	(530)	(556)
Parameter:	Suspended Solids (TSS)	Oil & Grease (O&G)
Limits:	Avg. 30	Avg. 15
	Max. 100	Max. 20
Date:	MG/L	MG/L
08-06-95	0.3	1.5
Month of July:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---
Month of August:		
No. of Samples:	1	1
Average Value:	0.3	1.5
Max. Value:	0.3	1.5
Limits Exceeded:	0	0
Month of September:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---

RLS1564636

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: **01A - Unit One Cooling Tower Blowdown**

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
07-05-95	0	0	0	0		
07-10-95	--	--	--	--	0.0	0.0
07-12-95	0	0	0	0	--	--
07-19-95	0	0	0	0	--	--
07-26-95	0	0	0	0	--	--
08-02-95	0	0	0	0	--	--
08-09-95	0	0	0	0	--	--
08-16-95	0	0	0	0	--	--
08-22-95	0	0	0	0	--	--
08-30-95	0	0	0	0	--	--
09-06-95	0	0	0	0	--	--
09-13-95	0	0	0	0	--	--
09-20-95	0	0	0	0	--	--
09-27-95	0	0	0	0	--	--
Month of July:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.0	0.0
Max. Value:	0	0	0	0	0.0	0.0
Limits Exceeded:	0	0	0	0	0	0
Month of August:						
No. of Samples:	5	5	5	5	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1564637

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Month of September:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1564638

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: **02A - Unit Two Cooling Tower Blowdown**

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
07-05-95	0	0	0	0	---	---
07-10-95	--	--	--	--	0.0	0.0
07-12-95	0	0	0	0	---	---
07-19-95	0	0	0	0	---	---
07-26-95	0	0	0	0	---	---
08-02-95	0	0	0	0	---	---
08-09-95	0	0	0	0	---	---
08-16-95	0	0	0	0	---	---
08-22-95	0	0	0	0	---	---
08-30-95	0	0	0	0	---	---
*09-01-95	0	0	30	0	---	---
09-06-95	0	0	0	0	---	---
09-13-95	0	0	0	0	---	---
09-20-95	0	0	0	0	---	---
09-27-95	Unit Two in outage. No Sample available					
Month of July:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.1	0.0
Max. Value:	0	0	0	0	0.1	0.0
Limits Exceeded:	0	0	0	0	0	0
Month of August:						
No. of Samples:	5	5	5	5	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

RLS1564639

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Month of September:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	30	0	---	---
Max. Value:	0	0	30	0	---	---
Limits Exceeded:	0	0	0	0	---	---

* This discharge was due to Cooling Tower #5 cell collapsing.

RLS1564640

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: **01B - Unit One Cooling Water Overflow**

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel	Time TRC & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
No sample available this quarter.						
Month of July:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of August:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of September:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

RLS1564641

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: **01I - Unit One Cooling Tower Basin Drains**

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl Grab	Mltpl Grab	Mltpl Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel (min)	Time TRC & avg. (mg/l)	Zinc max. (mg/l)	Chromium max. (mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						

No sample available this quarter.

Month of July:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of August:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of September:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

RLS1564642

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01J - Unit One Cooling Tower Basin Overflows to Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						

No sample available this quarter.

Month of July:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of August:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of September:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

RLS1564643

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02B - Unit Two Cooling Water Overflow To Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
09-02-95	-	-	-	-	0.9	0.08

Discharge did not occur during period of chlorination.

Month of July:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of August:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	--	--
Max. Value:	---	---	---	---	--	--
Limits Exceeded:	---	---	---	---	--	--
Month of September:						
No. of Samples:	0	0	0	0	1	1
Avg. Value:	---	---	---	---	0.9	0.08
Max. Value:	---	---	---	---	0.9	0.08
Limits Exceeded:	---	---	---	---	0	0

RLS1564644

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02C - Unit Two Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel	& avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
09-22-95	--	--	--	--	0.01	0.0

Discharge did not occur during chlorination period.

Month of July:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of August:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of September:						
No. of Samples:	0	0	0	0	1	1
Avg. Value:	---	---	---	---	0.01	0.0
Max. Value:	---	---	---	---	0.01	0.0
Limits Exceeded:	---	---	---	---	0	0

RLS1564645

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 01E - Low Volume Waste (Liquid Radwaste System Unit One)

Type of Sample: Grab
Frequency of Analysis: 2/Month

	PCS Code:	(530)	(556)				
	Parameter:	TSS	O & G	Nitrite (Chill Water) Releases to discharge point OSN 01			
		mg/1	mg/1				
	Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
Date:							
07-03-95		18	14.7	--	--	--	--
07-17-95		2.3	1.4	--	--	--	--
08-07-95		2.6	2.8	--	--	--	--
08-16-95		--	--	1.0	6640	20500	3.2
08-16-95		--	--	0.2	2650	22500	0.6
08-17-95		--	--	0.2	6650	21000	0.6
08-17-95		--	--	0.3	6460	21000	0.9
08-21-95		4.5	0.0	--	--	--	--
09-05-95		4.5	3.9	--	--	--	--
09-19-95		4.3	1.3	--	---	---	--
Month of July:							
No. of Samples		2	2	0	0	0	0
Average Value:		10.2	8.1	--	--	--	--
Max. Value		18	14.7	--	--	--	--
Limits Exceeded:		0	0	--	--	--	--
Month of August:							
No. of Samples		2	2	4	4	4	4
Average Value:		3.6	1.4	0.4	5600	21250	1.3
Max. Value		4.5	2.8	1.0	6650	22500	3.2
Limits Exceeded:		0	0	0	0	0	0

RLS1564646

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Month of September:

No. of Samples	2	2	0	0	0	0
Average Value:	4.4	2.6	--	--	--	--
Max. Value	4.5	3.9	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

RLS1564647

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02E - Low Volume Waste (Liquid Radwaste System Unit Two)

Type of Sample:	Grab					
Frequency of Analysis:	2/Month					
PCS Code:	(530)	(556)				
Parameter:	TSS	O & G	Nitrite (Chill Water) Releases to discharge point OSN 02			
	mg/1	mg/1				
Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
Date:						
07-03-95	1.7	2.4	--	--	--	--
07-17-95	0.4	2.3	--	--	--	--
08-07-95	0.4	0.3	--	--	--	--
08-21-95	0.5	1.6	--	--	--	--
09-04-95	6.0	0.0	--	--	--	--
09-12-95	--	--	80	8668	12000	498
09-18-95	0.3	2.0	--	--	--	--
Month of July:						
No. of Samples	2	2	0	0	0	0
Average Value:	1.1	2.4	--	--	---	--
Max. Value	1.7	2.4	--	--	---	--
Limits Exceeded:	0	0	--	--	---	--
Month of August:						
No. of Samples	2	2	0	0	0	0
Average Value:	0.5	1.0	--	--	--	--
Max. Value	0.5	1.6	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--
Month of September:						
No. of Samples	2	2	1	1	1	1
Average Value:	3.2	1.0	80	8668	12000	498
Max. Value	6.0	2.0	80	8668	12000	498
Limits Exceeded:	0	0	0	0	0	0

RLS1564648

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Sewage Treatment Plant Sludge Disposal
(lbs/day/month)

July		August		September	
Date	lbs	Date	lbs	Date	lbs
07/14/95	385	No sludge removed during the month of August		No sludge removed during the month of September	
07/18/95	473				

RLS1564649

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: **01 - Combined Plant Waste Streams Unit One**

Frequency of Analysis:	1/Week			
Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
PCS Code:	(11)	(50060)	(50064)	(400)
Date:				
07-03-95	91	0.0	0.0	8.1
07-10-95	91	0.0	0.0	7.9
07-17-95	89	0.0	0.0	8.4
07-24-95	95	0.0	0.0	8.5
07-31-95	93	0.0	0.0	8.2
08-07-95	95	0.0	0.0	8.3
08-17-95	91	0.0	0.0	8.3
08-21-95	91	0.0	0.0	8.5
08-28-95	89	0.0	0.0	7.9
09-04-95	86	0.0	0.0	6.3
09-11-95	86	0.0	0.0	8.1
09-18-95	87	0.0	0.0	7.7
09-25-95	86	0.0	0.0	7.4
Month of July:				
No. of Samples	5	5	5	5
Average Value:	92	0.0	0.0	8.2
Max. Value	95	0.0	0.0	8.5
Limits Exceeded:	0	0	0	0
Month of August:				
No. of Samples	4	4	4	4
Average Value:	92	0.0	0.0	8.3
Max. Value	95	0.0	0.0	8.5
Limits Exceeded:	0	0	0	0
Month of September:				
No. of Samples	4	4	4	4
Average Value:	86	0.0	0.0	7.4
Max. Value	87	0.0	0.0	8.1
Limits Exceeded:	0	0	0	0

RLS1564650

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

Discharge Location: 02 - Combined Plant Waste Streams Unit Two

Frequency of Analysis: 1/Week

Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
Code:	(11)	(50060)	(50064)	(400)
Date:				
07-03-95	91	0.0	0.0	8.3
07-10-95	93	0.0	0.0	8.4
07-17-95	87	0.0	0.0	8.2
07-24-95	95	0.0	0.0	8.5
07-31-95	93	0.0	0.0	8.5
08-07-95	95	0.0	0.0	8.5
08-14-95	93	0.0	0.0	8.5
08-21-95	89	0.0	0.0	8.3
08-28-95	89	0.0	0.0	8.1
09-04-95	80	0.0	0.0	7.0
09-11-95	86	0.0	0.0	8.1
09-18-95	87	0.0	0.0	7.6
09-25-95	86	0.0	0.0	7.6
Month of July:				
No. of Samples	5	5	5	5
Average Value:	92	0.0	0.0	8.4
Max. Value	95	0.0	0.0	8.5
Limits Exceeded:	0	0	0	0
Month of August:				
No. of Samples	4	4	4	4
Average Value:	92	0.0	0.0	8.4
Max. Value	95	0.0	0.0	8.5
Limits Exceeded:	0	0	0	0
Month of September:				
No. of Samples	4	4	4	4
Average Value:	85	0.0	0.0	7.6
Max. Value	87	0.0	0.0	8.1
Limits Exceeded:	0	0	0	0

RLS1564651

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 07-01-95
To: 09-30-95

NPDES Permit Number: GA0004120

I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

H. L. Sumner, Jr.
General Manager
Nuclear Plant

RLS1564652

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01G - Low Volume Waste (Neutralization Tank)

Type of Sample:	Grab	Grab
Frequency of Analysis:	2/Month	2/Month
PCS Code:	(530)	(556)
Parameter:	Suspended Solids mg/l (TSS)	Oil & Grease mg/l (O&G)
Limits:	Avg. 30 Max. 100	Avg. 15 Max. 20
Date:	MG/L	MG/L
10-02-95	10.0	0.0
10-18-95	5.4	5.5
11-08-95	13.3	0.0
11-21-95	18.2	0.0
12-05-95	27.8	0.0
12-18-95	47.6	0.0
12-25-95	7.5	--
Month of October:		
No. of Samples:	2	2
Average Value:	7.7	2.8
Max. Value:	10.0	5.5
Limits Exceeded:	0	0
Month of November:		
No. of Samples:	2	2
Average Value:	15.8	0.0
Max. Value:	18.2	0.0
Limits Exceeded:	0	0
Month of December:		
No. of Samples:	3	2
Average Value:	27.6	0.0
Max. Value:	47.6	0.0
Limits Exceeded:	0	0

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01H - Low Volume Waste (Pressure Filters Backwash)

Type of Sample:	Grab	Grab
Frequency of Analysis:	1/Quarter	1/Quarter
PCS Code:	(530)	(556)
Parameter:	Suspended Solids (TSS)	Oil & Grease (O&G)
Limits:	Avg. 30	Avg. 15
	Max. 100	Max. 20
Date:	MG/L	MG/L
10-30-95	1	0
Month of October:		
No. of Samples:	1	1
Average Value:	1	0.0
Max. Value:	1	0.0
Limits Exceeded:	0	0
Month of November:		
No. of Samples:	0	0
Average Value:	--	--
Max. Value:	--	--
Limits Exceeded:	--	--
Month of December:		
No. of Samples:	0	0
Average Value:	---	---
Max. Value:	---	---
Limits Exceeded:	---	---

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01A - Unit One Cooling Tower Blowdown

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel (min)	Time TRC & avg. (mg/l)	Zinc max. (mg/l)	Chromium max. (mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
10-04-95	0	0	0	0	--	--
10-11-95	0	0	0	0	0.02	0.0
10-18-95	0	0	0	0	--	--
10-25-95	0	0	0	0	--	--
11-01-95	0	0	0	0	--	--
11-08-95	0	0	0	0	--	--
11-15-95	0	0	0	0	--	--
11-21-95	0	0	0	0	--	--
11-29-95	0	0	0	0	--	--
12-06-95	0	0	0	0	--	--
12-13-95	0	0	0	0	--	--
12-20-95	0	0	0	0	--	--
12-27-95	0	0	0	0	--	--
Month of October:						
No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.02	0.0
Max. Value:	0	0	0	0	0.02	0.0
Limits Exceeded:	0	0	0	0	0	0
Month of November:						
No. of Samples:	5	5	5	5	0	0
Avg. Value:	0	0	0	0	--	--
Max. Value:	0	0	0	0	--	--
Limits Exceeded:	0	0	0	0	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Month of December:

No. of Samples:	4	4	4	4	0	0
Avg. Value:	0	0	0	0	--	--
Max. Value:	0	0	0	0	--	--
Limits Exceeded:	0	0	0	0	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02A - Unit Two Cooling Tower Blowdown

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time rel (min)	TRC & avg. (mg/1)	Zinc max. (mg/1)	Chromium max. (mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
10-04-95	Unit down for outage. No sample available.					---
10-11-95	Unit down for outage. No sample available.					---
10-18-95	Unit down for outage. No sample available.					---
10-26-95	Unit down for outage. No sample available.					---
11-01-95	Unit down for outage. No sample available.					---
11-08-95	Unit down for outage. No sample available.					---
11-15-95	Unit down for outage. No sample available.					---
11-22-95	0	0	0	0	---	---
11-29-95	0	0	0	0	---	---
12-06-95	0	0	0	0	---	---
12-13-95	0	0	0	0	0.77	0.02
12-20-95	0	0	0	0	---	---
12-27-95	0	0	0	0	---	---
Month of October:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of November:						
No. of Samples:	2	2	2	2	0	0
Avg. Value:	0	0	0	0	---	---
Max. Value:	0	0	0	0	---	---
Limits Exceeded:	0	0	0	0	---	---

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Month of December:

No. of Samples:	4	4	4	4	1	1
Avg. Value:	0	0	0	0	0.77	0.02
Max. Value:	0	0	0	0	0.77	0.02
Limits Exceeded:	0	0	0	0	0	0

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
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Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01B - Unit One Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown	Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab	Grab	Grab
Frequency:	1/Week	1/Week	1/Week	1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min) (mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120 N/A	1.0	0.2
PCS Code:	50064	50064	81400 50060	1092	1034
Date:					

This outfall was not utilized during the reporting period.

Month of October:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of November:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of December:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01I - Unit One Cooling Tower Basin Drains

Location:	Blowdown	Blowdown	Blowdown	Tower Basin	Tower Basin
Type:	Mltpl Grab	Mltpl Grab	Mltpl Grab	Grab	Grab
Frequency:	1/Week	1/Week	1/Week	1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min) (mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120 N/A	1.0	0.2
PCS Code:	50064	50064	81400 50060	1092	1034
Date:					
This outfall was not utilized during the reporting period.					
Month of October:					
No. of Samples:	0	0	0 0	0	0
Avg. Value:	--	--	-- --	--	--
Max. Value:	--	--	-- --	--	--
Limits Exceeded:	--	--	-- --	--	--
Month of November:					
No. of Samples:	0	0	0 0	0	0
Avg. Value:	--	--	-- --	--	--
Max. Value:	--	--	-- --	--	--
Limits Exceeded:	--	--	-- --	--	--
Month of December:					
No. of Samples:	0	0	0 0	0	0
Avg. Value:	--	--	-- --	---	---
Max. Value:	--	--	-- --	---	---
Limits Exceeded:	--	--	-- --	---	---

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01J - Unit One Cooling Tower Basin Overflows to Storm Drains

Location:	Blowdown	Blowdown	Blowdown	Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab	Grab	Grab
Frequency:	1/Week	1/Week	1/Week	1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min) (mg/1)	(mg/1)	(mg/1)
Limits:	0.2	0.5	120 N/A	1.0	0.2
PCS Code:	50064	50064	81400 50060	1092	1034
Date:					

This outfall was not utilized during the reporting period.

Month of October:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	---	---
Max. Value:	--	--	--	--	---	---
Limits Exceeded:	--	--	--	--	---	---
Month of November:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--
Month of December:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	--	--	--	--	--	--
Max. Value:	--	--	--	--	--	--
Limits Exceeded:	--	--	--	--	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02B - Unit Two Cooling Water Overflow To Storm Drains

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total rel	Time TRC & avg.	Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/1)	(mg/1)	(mg/1)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						
This outfall was not utilized during the reporting period.						
Month of October:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of November:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of December:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	--
Max. Value:	---	---	---	---	---	--
Limits Exceeded:	---	---	---	---	---	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02C - Unit Two Cooling Water Overflow

Location:	Blowdown	Blowdown	Blowdown		Tower Basin	Tower Basin
Type:	Mltpl/Grab	Mltpl/Grab	Mltpl/Grab		Grab	Grab
Frequency:	1/Week	1/Week	1/Week		1/Quarter	1/Quarter
Parameter:	Fac	Fac max.	Total Time TRC rel & avg.		Zinc max.	Chromium max.
	(mg/l)	(mg/l)	(min)	(mg/l)	(mg/l)	(mg/l)
Limits:	0.2	0.5	120	N/A	1.0	0.2
PCS Code:	50064	50064	81400	50060	1092	1034
Date:						

This outfall was not utilized during the reporting period.

Month of October:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of November:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---
Month of December:						
No. of Samples:	0	0	0	0	0	0
Avg. Value:	---	---	---	---	---	---
Max. Value:	---	---	---	---	---	---
Limits Exceeded:	---	---	---	---	---	---

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01E - Low Volume Waste (Liquid Radwaste System Unit One)

Type of Sample: Grab
Frequency of Analysis: 2/Month

			Nitrite (Chill Water) Releases to discharge point OSN 01			
PCS Code:	(530)	(556)				
Parameter:	TSS	O & G				
	mg/1	mg/1				
Limits:	Avg. 30	Avg. 15	Initial	Amount	Dilution	Final
	Max.100	Max. 20	Conc. (ppm)	Drained (gallons)	Flow rate (gpm)	Conc. (ppb)
Date:						
10-02-95	0.5	0.0	--	--	--	--
10-07-95	--	--	1.6	6830	16000	6.7
10-07-95	--	--	4.5	10950	17000	17.1
10-08-95	--	--	20	6740	17000	82.4
10-08-95	--	--	12	6770	17000	48.0
10-08-95	--	--	12	10620	16000	47.3
10-08-95	--	--	23	6850	17000	93.4
10-09-95	--	--	25	10930	16000	100.0
10-09-95	--	--	30	6650	18000	111.7
10-09-95	--	--	23	6170	16000	99.2
10-09-95	--	--	25	6840	17000	98.5
10-09-95	--	--	7	10930	17000	25.9
10-10-95	--	--	23	6800	17000	89.3
10-10-95	--	--	27	10950	18000	96.0
10-10-95	--	--	23	6340	15000	99.7
10-10-95	--	--	7	6300	18000	26.1
10-11-95	--	--	5	6430	16000	20.9
10-16-95	4.3	0.5	--	--	--	--
11-06-95	1.0	1.0	--	--	--	--
11-20-95	0.0	1.4	--	--	--	--
12-04-95	1.4	0.0	--	--	--	--
12-18-95	1.0	1.0	--	--	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Month of October:						
No. of Samples	2	2	16	16	16	16
Average Value:	2.4	0.3	16.8	7944	16700	66.4
Max. Value	4.3	0.5	30	10950	18000	111.7
Limits Exceeded:	0	0	0	0	0	0
Month of November:						
No. of Samples	2	2	0	0	0	0
Average Value:	0.5	1.2	--	--	--	--
Max. Value	1.0	1.4	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--
Month of December:						
No. of Samples	2	2	0	0	0	0
Average Value:	1.2	0.5	--	--	--	--
Max. Value	1.4	1.0	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02E - Low Volume Waste (Liquid Radwaste System Unit Two)

Type of Sample: Grab
Frequency of Analysis: 2/Month

			Nitrite (Chill Water) Releases to discharge point OSN 02			
PCS Code:	(530)	(556)				
Parameter:	TSS	O & G				
	mg/1	mg/1				
Limits:	Avg. 30 Max.100	Avg. 15 Max. 20	Initial Conc. (ppm)	Amount Drained (gallons)	Dilution Flow rate (gpm)	Final Conc. (ppb)
Date:						
10-02-95	1.0	0.0	--	--	--	--
10-09-95	--	--	25	8723	15000	85.0
10-10-95	--	--	3.4	5008	15000	13.1
10-11-95	--	--	6.5	8725	12500	26.0
10-12-95	--	--	15	9507	14000	54.6
10-12-95	--	--	1.2	8999	12500	4.8
10-13-95	--	--	0.2	8759	14000	0.8
10-16-95	0.8	1.4	--	--	--	--
11-06-95	2.4	4.4	--	--	--	--
11-20-95	2.4	0.0	--	--	--	--
12-04-95	0.0	0.0	--	--	--	--
12-18-95	0.9	0.0	--	--	--	--
Month of October:						
No. of Samples	2	2	6	6	6	6
Average Value:	0.9	0.7	8.5	8286	13800	30.7
Max. Value	1.0	1.4	25	9507	15000	54.6
Limits Exceeded:	0	0	0	0	0	0
Month of November:						
No. of Samples	2	2	0	0	0	0
Average Value:	2.4	2.2	--	--	--	--
Max. Value	2.4	4.4	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Month of December:

No. of Samples	2	2	0	0	0	0
Average Value:	0.5	0.0	--	--	--	--
Max. Value	0.9	0.0	--	--	--	--
Limits Exceeded:	0	0	--	--	--	--

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Sewage Treatment Plant Sludge Disposal
(lbs/day/month)

October		November		December	
Date	lbs	Date	lbs	Date	lbs
No sludge removed.		No sludge removed.		No sludge removed.	

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 01 - Combined Plant Waste Streams Unit One

Frequency of Analysis:	1/Week			
Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
PCS Code:	(11)	(50060)	(50064)	(400)
Date:				
10-02-95	89	0.0	0.0	8.3
10-09-95	78	0.0	0.0	7.3
10-16-95	80	0.0	0.0	7.1
10-23-95	73	0.0	0.0	7.1
10-30-95	71	0.0	0.0	7.3
11-06-95	77	0.0	0.0	7.8
11-13-95	62	0.0	0.0	7.2
11-20-95	66	0.0	0.0	7.2
11-27-95	60	0.0	0.0	7.2
12-04-95	64	0.0	0.0	7.4
12-11-95	55	0.0	0.0	7.2
12-18-95	77	0.0	0.0	7.9
12-25-95	69	0.0	0.0	7.7
Month of October:				
No. of Samples	5	5	5	5
Average Value:	78	0.0	0.0	7.4
Max. Value	86	0.0	0.0	8.3
Limits Exceeded:	0	0	0	0
Month of November:				
No. of Samples	4	4	4	4
Average Value:	66	0.0	0.0	7.4
Max. Value	77	0.0	0.0	7.8
Limits Exceeded:	0	0	0	0

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Month of December:

No. of Samples	4	4	4	4
Average Value:	66	0.0	0.0	7.5
Max. Value	77	0.0	0.0	7.9
Limits Exceeded:	0	0	0	0

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Discharge Location: 02 - Combined Plant Waste Streams Unit Two

Frequency of Analysis: 1/Week

Type of Samples:	In Situ	Grab	Grab	Grab
Parameter:	Temperature	T.R.C.	F.A.C.	pH
Limits:	Degree F	N/A	N/A	Min. 6.0/Max. 9.0
Code:	(11)	(50060)	(50064)	(400)
Date:				
10-02-95	79	0.0	0.0	7.5
10-09-95	76	0.0	0.0	7.5
10-16-95	71	0.0	0.0	7.2
10-23-95	68	0.0	0.0	7.0
10-30-95	68	0.0	0.0	7.6
11-06-95	62	0.0	0.0	7.4
11-13-95	55	0.0	0.0	7.2
11-20-95	59	0.0	0.0	7.0
11-27-95	60	0.0	0.0	7.4
12-04-95	64	0.0	0.0	7.4
12-11-95	55	0.0	0.0	7.4
12-18-95	77	0.0	0.0	8.1
12-25-95	68	0.0	0.0	7.8
Month of October:				
No. of Samples	5	5	5	5
Average Value:	72	0.0	0.0	7.4
Max. Value	79	0.0	0.0	7.6
Limits Exceeded:	0	0	0	0
Month of November:				
No. of Samples	4	4	4	4
Average Value:	59	0.0	0.0	7.3
Max. Value	62	0.0	0.0	7.4
Limits Exceeded:	0	0	0	0

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

Month of December:				
No. of Samples	4	4	4	4
Average Value:	66	0.0	0.0	7.7
Max. Value	77	0.0	0.0	8.1
Limits Exceeded:	0	0	0	0

QUARTERLY OPERATIONAL MONITORING REPORT

Georgia Power Company
Plant E.I. Hatch
P.O. Box 4545
Atlanta, Georgia 30302

From: 10-01-95
To: 12-31-95

NPDES Permit Number: GA0004120

I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalti for submitting false information, including the possibility of fine and imprisonment for known violations.

H. L. Sumner, Jr.

General Manager

Nuclear Plant

ATTACHMENT 2

Edwin I. Hatch Nuclear Plant - Units 1 and 2
Annual Environmental Surveillance Report
1995 Flow Monitoring and Characterization Study

HL-5127
ENV-96-053

Georgia Power Company
Tower Building 17th Floor
333 Piedmont Avenue
Atlanta, Georgia 30308
Telephone 404 526-6526

C. M. Hobson
Manager
Environmental Affairs

Georgia Power
The Southern electric system

January 31, 1996

NPDES PERMIT REQUIREMENTS
Flow Monitoring and Characterization Studies
Annual Priority Pollutant Certification

Mr. Lawrence W. Hedges
Georgia Environmental Protection Division
Industrial Wastewater Program
205 Butler Street, S.E., Suite 1070
Atlanta, GA 30334

Dear Mr. Hedges:

As required by the following NPDES Permits, attached are the Flow Monitoring and Characterization Studies for the referenced plants:

Plant Arkwright	NPDES Permit No. GA0026069
Plant Bowen	NPDES Permit No. GA0001449
Plant Branch	NPDES Permit No. GA0026051
Plant Hammond	NPDES Permit No. GA0001457
Plant Hatch	NPDES Permit No. GA0004120
Plant McDonough/Atkinson	NPDES Permit No. GA0001431
Plant Mitchell	NPDES Permit No. GA0001465
Plant Vogtle	NPDES Permit No. GA0026786
Plant Wansley	NPDES Permit No. GA0026778
Plant Yates	NPDES Permit No. GA0001473
Plant Scherer	NPDES Permit No. GA0035564

In accordance with the provisions of the following NPDES permits, Georgia Power Company certifies that no priority pollutants, other than chromium or zinc, are present in detectable amounts in the cooling water discharges of the referenced plants. This certification is based on the manufacturer's certification for their products and applies to pollutants present as a result of their presence in water treatment chemicals added by Georgia Power Company and not their presence in raw water supplies.

Plant Bowen	NPDES Permit No. GA0001449
Plant Hatch	NPDES Permit No. GA0004120
Plant Vogtle	NPDES Permit No. GA0026786
Plant Wansley	NPDES Permit No GA0026778
Plant Yates	NPDES Permit No. GA0001473
Plant Scherer	NPDES Permit No. GA0035564

Georgia Power

If you have questions or require additional information, please contact Howard Shelnutt at (404)526-7058.

Sincerely,

C. M Hobson

HLS/sm
Attachment

Georgia Power Company Plant E. I. Hatch

1995 Flow Characterization Study

INTRODUCTION

This flow study was performed in accordance with Part III, Section B.9, of the Georgia Power Company, E.I. Hatch Nuclear Generating Facility, National Pollutant Discharge Elimination System, (NPDES), Permit No. GA 0004120; issued by the State of Georgia, Department of natural Resources, Environmental Protection Division, on December 1, 1992.

BACKGROUND

This study was conducted on the NPDES permitted waste streams using data collected during the time period of June 17 to June 30, 1995. A description of the waste streams are as follows:

1. NON-CONTACT COOLING

This system consisted of discharges from the Plant Auxiliary Heat Exchangers and the Diesel Generator Cooling.

The Plant Auxiliary Cooling Systems consisted of heat exchangers located in the control, radwaste, reactor, turbine and waste gas buildings. This system was supplied by the plant service water system and discharges into the circulating water system (cooling towers) to provide make-up water. Flow rates were calculated using pump name plate data.

The Diesel Generator Cooling Water System was supplied by the plant service water system and discharges to the discharge structure mixing chamber via the radwaste discharge line. This system was used for cooling the emergency diesel generators. The diesel generators for Unit One, (1A and 1C), normally had a continuous flow of cooling water regardless of their operational status. Unit One's diesel generator (1B) and Unit Two's diesel generators, (2A and 2C), were supplied with cooling water only during system operation; which consisted of testing and emergencies. Flow rates and measurements were calculated using pump name plate data.

2. LOW VOLUME WASTE (NEUTRALIZATION TANK) 01G

This waste stream consisted of demineralizer regeneration waste composed of sulfuric acid, sodium hydroxide and rinse water. All regenerative waste was collected in a sump and recirculated into a 38,000 gallon aboveground tank until the pH was between 6 and 9. The neutralization tank was discharged via gravity into the Unit One mixing chamber. The maximum flow rate achievable was calculated using the volume of the tank and the radius of the discharge pipe. The daily average flow rate was calculated by dividing the total volume discharged by the total minutes in the test period. The flow rate measurements of this system were based on its calculated maximum flow rates and discharge duration.

3. LOW VOLUME WASTE (PRESSURE FILTER BACKWASH) 01H

This waste stream consisted of backwash water originating from four pressure sand filters that preceded the demineralizer unit. The backwash waste gravity drained into the neutralization tank discharge line. The maximum flow rate achievable was based on the backwash pump name plate data. The daily average flow rate was calculated by using backwash flow rate data and operating times during the test period. The flow rate measurements of this system were based on flow indicators for each pressure filter.

4. COOLING TOWER BLOWDOWN (UNIT ONE) 01A

This waste stream consisted of discharges from the Unit One closed-loop circulating water system. Make-up water for this system was derived from non-contact auxiliary plant cooling water. The discharge originated at the circulating water pumps discharge and was routed to the Unit One mixing chamber. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated using the difference between the Unit One mixing chamber flow rates and the other Unit One waste streams. The flow rate measurements of this system were based on mathematical computations relating this waste stream to all the others that were applicable.

5. COOLING TOWER BLOWDOWN (UNIT TWO) 02A

This waste stream consisted of discharges from the Unit Two closed-loop circulating water system. Make-up water for this system was derived from the non-contact auxiliary plant cooling water. The discharge originated at the circulating water pumps discharge and was routed to the Unit Two mixing chamber. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated using the difference between the Unit Two mixing chamber flow rates and the other Unit Two waste streams. The flow rate measurements of this system were based on mathematical computations relating this waste stream to all the others that were applicable.

6. COOLING WATER OVERFLOW (UNIT ONE) 01B

This waste stream consisted of discharges from the closed-loop circulating water system. Make-up water for the system originated from the non-contact auxiliary plant cooling water system. The discharge originated at the Unit One cooling tower flume and was routed to the Unit One mixing chamber. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated by dividing the total gallons discharged by the total minutes in the test period. The flow rate measurements of this stream were based on the best conservative estimate at the time of subsequent discharge.

NOTE: This waste stream was permitted for use in lieu of outfall number 01A.

7. COOLING WATER OVERFLOW TO STORM DRAINS (UNIT ONE) 01J

This waste stream consisted of discharges from the closed-loop circulating water system. Make-up water for the system originated from the non-contact auxiliary plant cooling water system. The discharge originated at the Unit One cooling tower basins and was routed to storm drains, then to the river. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated by dividing the total gallons discharged by the total minutes in the test period. The flow rate measurements of this stream were based on the best conservative estimate at the time of subsequent discharge.

NOTE: This waste stream was permitted for use in lieu of outfall number 01A.

8. COOLING TOWER BASIN DRAINS (UNIT ONE) 01I

This waste stream consisted of discharges from the closed-loop circulating water system. Make-up water for the system originated from the non-contact auxiliary plant cooling water system. The discharge originated at the Unit One cooling tower basins and was routed to storm drains, then to the river. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated by dividing the total gallons discharged by the total minutes in the test period. The flow rate measurements of this stream were based on the best conservative estimate at the time of subsequent discharge.

NOTE: This waste stream was permitted for use in lieu of outfall number 01A.

9. COOLING WATER OVERFLOW TO STORM DRAINS (UNIT TWO) 02B

This waste stream consisted of discharges from the closed-loop circulating water system. Make-up water for the system originated from the non-contact auxiliary plant cooling water system. The discharge originated at the Unit Two cooling tower basins and was routed to storm drains, then to the river. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated by dividing the total gallons discharged by the total minutes in the test period. The flow rate measurements of this stream were based on the best conservative estimate at the time of subsequent discharge.

NOTE: This waste stream was permitted for use in lieu of outfall number 02A.

10. COOLING WATER OVERFLOW (UNIT TWO) 02C

This waste stream consisted of discharges from the closed-loop circulating water system Make-up water for the system originated from the non-contact auxiliary plant cooling water system. The discharge originated at the Unit Two cooling tower flume and was routed to the Unit Two mixing chamber. The maximum flow rate achievable was based on the total pumping capacity of the plant service water system. The daily average flow rate was calculated by dividing the total gallons discharged by

the total minutes in the test period. The flow rate measurements of this stream were based on the best conservative estimate at the time of subsequent discharge.

NOTE: This waste stream was permitted for use in lieu of outfall number 02A.

11. LOW VOLUME WASTE (LIQUID RADWASTE SYSTEM, UNIT ONE) 01E

This waste stream consisted of waste water generated primarily in the reactor and turbine buildings. Examples of the waste water sources were floor drains, laundry drains, laboratory drains, seal cooling waters and bearing cooling waters. The collective waste was filtered and demineralized then discharged to the Unit One mixing chamber or reused in-plant depending on the chemical and radiological quality. the maximum flow rate achievable was derived from the pump name plate data. The average daily flow was calculated by dividing the total volume discharged by the total minutes in the test period. The flow rate measurements of this stream were based on integrator readings and discharge duration.

12. LOW VOLUME WASTE (LIQUID RADWASTE SYSTEM, UNIT TWO) 02E

This waste stream consisted of waste water generated primarily in the reactor and turbine buildings. Examples of the waste water sources were floor drains, laboratory drains, seal cooling waters and bearing cooling waters. The collective waste was filtered and demineralized, then discharged to the Unit Two mixing chamber or reused in-plant depending on the chemical and radiological quality. The maximum flow rate achievable was derived from the pump name plate data. The average daily flow was calculated by dividing the total volume discharged by the total minutes in the test period. The flow rate measurements of this stream were based on integrator readings and discharge duration.

13. COMBINED WASTE STREAMS (UNIT ONE) 01

This waste stream consisted of the total volume of all liquid waste being discharged from Unit One. The maximum flow rate was achieved using the total surface water pumping capacity on plant site. The daily average discharge was calculated from the Unit One daily discharge flow rates during the test period. The flow rate measurements were based on readings obtained from flow rate strip charts.

14. COMBINED WASTE STREAMS (UNIT TWO) 02

This waste stream consisted of the total volume of all liquid waste being discharged from Unit Two. The maximum flow rate was achieved using the total surface water pumping capacity on plant site. The daily average discharge was calculated from the Unit Two daily discharge flow rates during the test period. The flow rate measurements were based on readings obtained from flow rate strip charts.

15. INTAKE SCREEN BACKWASH 03

This waste stream consisted of river water being used continuously to backwash the plant's traveling water intake screen. The river water used to backwash the intake screen was gravity fed back to the river. The intake screens are backwashed approximately twice per day per unit for a total run time of both units of 120 minutes. This flow rate was estimated using pump plate data.

16. INTAKE STRAINER BACKWASH 03A

This waste stream consisted of river water being used periodically to backwash the plant's intake pump's strainers. The river water used to backwash the intake strainers was fed back to the river via the stillwell associated with the intake. The intake strainers (4 total) are backwashed approximately once per shift for a combined units total of 24 minutes per day. This flow rate was estimated using pump plate data.

17. 2P65 CHILLER WATER BLOWDOWN 04

This waste stream consisted of discharges from the Unit Two Reactor Building and the Radwaste Building closed-loop circulating water systems. Make-up water for this system originated from the plant sanitary water system. The maximum flow rate achievable was calculated using the pump name plate data. The daily average flow rate was calculated by dividing the total

gallons of water discharged by the total minutes in the test period. The flow rate measurements were based on engineering data reviews.

18. SEWAGE TREATMENT EFFLUENT 01F

This waste stream consisted of the plant domestic sewage waste that was created by two aeration package treatment plants. Discharge from this facility was routed to the Unit One mixing chamber. The maximum flow rate achievable was calculated using the designed capacity of the aeration plants. The daily average flow rate was calculated by dividing the total gallons of water discharged by the total minutes in the test period. The flow rate measurements were based on readings obtained from a flow rate strip chart.

Georgia Power Company Plant E. I. Hatch
1995 Flow Characterization Study

Outfall Number and Name	Maximum (gpm)	Daily/Average (gpm)
Non-Contact Cooling Water (Diesel Generator Cooling)	3,500	1,420 (a)
Non-Contact Cooling Water (Plant Auxiliary Systems)	68,000	45,000 (i)
01G Low Volume Waste (Neutralization Tank)	650	7 (b)
01H Low Volume Waste (Pressure Filter Backwash)	1,050	2(c)
01A Cooling Tower Blowdown (Unit One)	34,000 (f)	18,150
02A Cooling Tower Blowdown (Unit Two)	34,000 (f)	9,382
01B Cooling Water Overflow (Unit One)	34,000 (f)	0
01J Cooling Water Overflow to Storm Drains (Unit One)	34,000 (f)	0
01I Cooling Tower Basin Drains (Unit One)	34,000 (f)	0
02B Cooling Tower Overflow to Storm Drains (Unit Two)	34,000 (f)	0
02C Cooling Water Overflow (Unit Two)	34,000 (f)	0
01E Low Volume Waste , Liquid Radwaste (Unit One)	100	9 (d)
02E Low Volume Waste , Liquid Radwaste (Unit Two)	100	11 (e)
01 Combined Plant Waste Streams (Unit One)	50,000	19,607
02 Combined Plant Waste Streams (Unit Two)	50,000	9,393
03 Intake Screen Backwash	500	8 (g)
03A Intake Strainer Backwash	500	3 (g)
04 2P65 Chiller Water Blowdown	500	1 (h)
01F Sewage Treatment Plant	50	20

Georgia Power Company Plant E. I. Hatch

1995 Flow Characterization Study

FOOTNOTES

(a) The daily average flow rate for cooling water for the diesel generators 1,400 gpm. However, during the flow study test period, the diesels operated only 9.6 hours.

(b) During the sample period, 196,500 gallons were discharged in 12 batches.

(c) Actual backwash time during the two week period was 40 minutes at a rate of 710 gpm and 40 minutes at a rate of 250 gpm.

(d) During the sample period, 197,382 gallons of waste water were discharged from the Unit One mixing chamber in 28 batches.

(e) During the sample period, 201,567 gallons of waste water were discharged from the Unit Two mixing chamber in 31 batches.

(f) This figure reflects the total surface water withdrawal capabilities at the plant consisting of service water capacity of 68,000 gpm and residual heat removal (RHR) piping capacity of 16,000 gpm. RHR is used primarily during plant shutdown.

(g) Under normal operating conditions, the Intake Screen Backwash and Intake Strainer Backwash discharges at a daily average rate of 412 gpm.

(h) Under normal operating conditions, the 2P65 Chiller Water Blowdown discharges at a daily average rate of 5 gpm.

(I) Under normal operating conditions the Unit One Auxiliary System uses approximately 22,000 gpm and under normal operating conditions the Unit Two Plant Auxiliary System uses approximately 21,250 gpm.

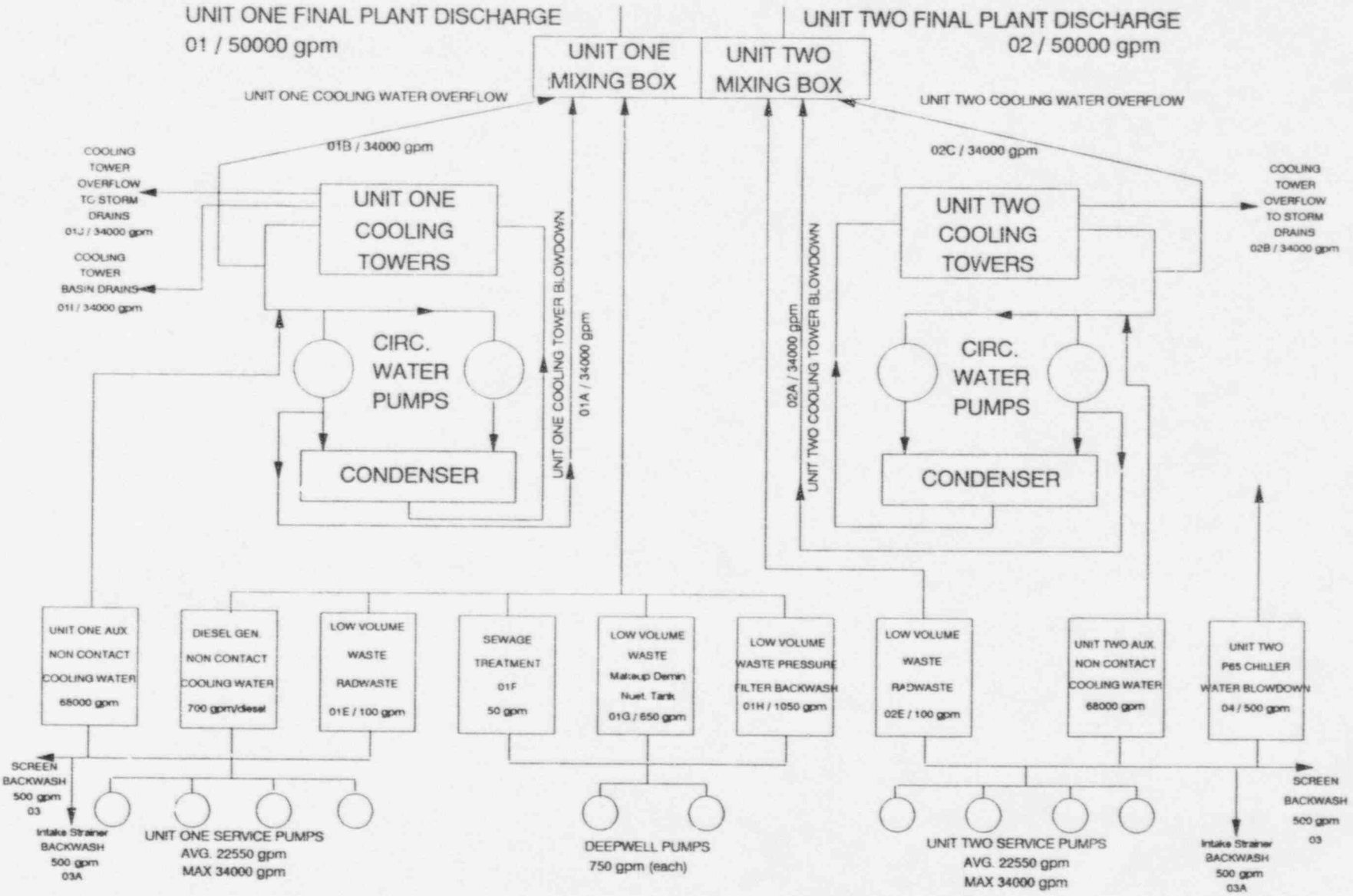
WATER TREATMENT CHEMICAL INVENTORY

This is a list of the chemicals used at Plant Edwin I. Hatch Nuclear Plant for the purpose of water treatment:

1. AC 3323 (scale and corrosion inhibitor)
2. Borax
3. Boric Acid
4. Orthophosphate (Ancool 3213, ALS-34s-220)
5. Calgon H-640
6. Calgon H-300
7. Sanuril 115 (Calcium Hypochlorite)
8. Sodium Hydroxide
9. Sodium Hypochlorite (MLP30GAL)
10. Sodium Nitrite (Ancool 3733,3735,3730)
11. Sodium Pentaborate
12. Sulfuric Acid (SA230GAL)
13. Power Boost
14. Tower Brom

HL-5127
ENV-96-053

PLANT E. I. HATCH NPDES FLOW CHARACTERIZATION STUDY



Interoffice Correspondence Georgia Power

DATE: 09 October 1995

RE: PLANT E.I. HATCH
Priority Pollutant / Metal Cleaning Waste Certification
Log: LR-GM-003-1095 RType: A04.43

FROM: H. L. Sumner, Jr.

TO: S. D. Holder

This is to certify that metal cleaning wastes were neither generated nor discharged within the past twelve months from Georgia Power Company Plant E. I. Hatch. This is to also certify that no Priority Pollutants other than Chromium and Zinc above detectable limits were discharged out of outfalls 01A, 02A, 01B, 02B, 02C, or 01J (cooling tower blowdowns, or overflows). This document satisfies the reporting requirements as prescribed in Part III Section B. Special Requirements of NPDES Permit No. GA 0004120.

If there are any concerns regarding any of this please contact Byron Feimster at extension 8-692-2591.

H. L. Sumner, Jr.
General Manager
Nuclear Plant

CTM:WBK:WED:bkf

xc: file