

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

Mailing Address:  
Post Office Box 4545  
Atlanta, Georgia 30302

L. T. Gucwa  
Manager Nuclear Safety  
and Licensing



SL-4272c  
1962C  
X7GJ17-H650

March 11, 1988

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

PLANT HATCH - UNITS 1, 2  
NRC DOCKETS 50-321, 50-366  
OPERATING LICENSES DPR-57, NPF-5  
ENVIRONMENTAL TECHNICAL SPECIFICATIONS  
RENEWAL OF NPDES PERMIT

Gentlemen:

In accordance with Plant Hatch Units 1 and 2 Environmental Technical Specifications (Appendix B to the Operating Licenses), Section 5.6.3.2, Georgia Power Company is submitting the Plant Hatch National Pollutant Discharge Elimination System (NPDES) permit (Enclosure), issued by the Georgia Department of Natural Resources on January 29, 1988. The NPDES permit is effective through December 1, 1992. Modifications were made to pages 8, 9, and 21 of the December 4, 1987 permit. These modifications do not alter the volume or chemical constituency of the currently permitted waste streams, create new waste-streams or change the mode of plant operation. Therefore, there is no significant adverse environmental impact from the permit modifications.

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

Sincerely,

L. T. Gucwa

GDP/lc

Enclosure: Plant Hatch NPDES Permit

c: (see next page)

*A009*  
*1/1*  
*Add: AEOD/DSP/TPAB 1 1*  
*NRR/DEST/AOE 1 1*  
*4r Encl*

U. S. Nuclear Regulatory Commission  
March 11, 1988  
Page Two

c: Georgia Power Company  
Mr. J. T. Beckham, Jr., Vice President - Plant Hatch  
GO-NORMS

U. S. Nuclear Regulatory Commission, Washington, D. C.  
Mr. L. P. Crocker, Licensing Project Manager - Hatch

U. S. Nuclear Regulatory Commission, Region II  
Dr. J. N. Grace, Regional Administrator  
Mr. P. Holmes-Ray, Senior Resident Inspector - Hatch

ENCLOSURE

PLANT HATCH - UNITS 1, 2  
NRC DOCKETS 50-321, 50-366  
OPERATING LICENSE DPR-57, NPF-5  
ENVIRONMENTAL TECHNICAL SPECIFICATIONS  
NPDES PERMIT

# Georgia Department of Natural Resources

205 Butler Street, S.E., Floyd Towers East, Atlanta, Georgia 30334

J. Leonard Ledbetter, Commissioner  
Harold F. Reheis, Assistant Director  
Environmental Protection Division

January 29, 1988

Mr. W. R. Woodall, Jr.  
Manager, Environmental Affairs  
Georgia Power Company  
P. O. Box 4545  
Atlanta, Georgia 30305

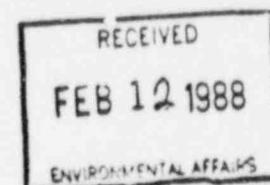
Re:	<u>Facility Name</u>	<u>Permit Number</u>
	Arkwright	GA0026069
	Bowen	GA0001449
	Branch	GA0026051
	Hammond	GA0001457
	Hatch	GA0004120
	McDonough-Atkinson	GA0001431
	McManus	GA0003794
	Mitchell	GA0001465
	Wansley	GA0026778
	Yates	GA0001473

Dear Mr. Woodall:

The Georgia Environmental Protection Division of the Georgia Department of Natural Resources has received your January 19, 1988 proposed revisions to the above referenced National Pollutant Discharge Elimination System (NPDES) permits. As you know, these revisions were discussed in a January 15, 1988 meeting in which the following individuals were present:

W. R. Woodall, Jr., Ph.D.	- Georgia Power Company
Don Holder	- Georgia Power Company
George Guill	- Georgia Power Company
Kristy A. Neihaus	- Hunton and Williams
John H. Johnson, Jr.	- Troutman, Sanders, Lockerman and Ashmore
Robert S. Bomar	- State Attorney General's Office
Michael Davis	- State Attorney General's Office
Jack C. Dozier, P.E.	- Georgia Environmental Protection Division
Nolton G. Johnson, P.E.	- Georgia Environmental Protection Division
Drew Zurow	- Georgia Environmental Protection Division
Tom Hopkins	- Georgia Environmental Protection Division

This meeting was scheduled in response to a January 4, 1988 petition for hearing filed by Hunton and Williams on behalf of Georgia Power Company. The substance of the petition was an objection to a narrative discharge limitation regarding biomonitoring requirements and a statement regarding a prohibition against violating State water quality standards at several minor discharge outfalls with no guideline based limitations.

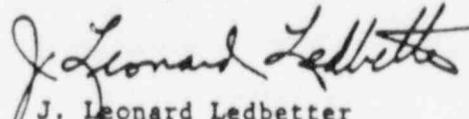


Mr. W. R. Woodall, Jr.  
Georgia Power Company  
Page Two  
January 29, 1988

It was agreed during the meeting that both requirements should remain in the permits, but that minor modifications to the specific language would be possible. The permits have been modified accordingly and are enclosed with this letter. These modifications are minor in nature. As specified in 40 CFR 122.63 of the Federal regulations, preparation of a draft permit for review and public notice is not required. Furthermore, the U. S. Environmental Protection Agency has waived its review of minor modifications per Section III.D.2.C. of the December 12, 1980 NPDES Memorandum of Agreement between the State of Georgia and the U.S.E.P.A., Region IV. By copy of this letter the modified permits are being transmitted to Mr. John Marlar of EPA Region IV for his files.

These permits address all of your concerns as expressed in your letter and appeal. They are considered final and effective immediately. Further legal proceedings should be unnecessary at this time.

Sincerely,

  
J. Leonard Ledbetter  
Commissioner

JLL:thk  
Enclosures

- cc: U. S. Environmental Protection Agency, Region IV  
Attn: John Marlar (w/enclosures)
- cc: Mr. John H. Johnson, Jr.  
Troutman, Sanders, Lockerman and Ashmore
- cc: Ms. Kristy Neihaus  
Hunton and Williams
- cc: Honorable Robert S. Bomar  
Senior Assistant Attorney General

PERMIT NO. GA 0004120

STATE OF GEORGIA  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Georgia Water Quality Control Act (Georgia Laws 1964, p. 416, as amended), hereinafter called the "State Act," the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq.), hereinafter called the "Federal Act," and the Rules and Regulations promulgated pursuant to each of these Acts,

GEORGIA POWER COMPANY  
P. O. Box 4545  
Atlanta, Georgia 30302

is authorized to discharge from a facility located at

Plant Hatch, Units 1 and 2, Appling County, Georgia

to receiving waters Altamaha River

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on January 29, 1988.

This permit and the authorization to discharge shall expire at midnight, December 1, 1992.

Signed this 29th day of January, 1988 .



*Leonard Lathette*  
\_\_\_\_\_  
Director,  
Environmental Protection Division

STATE OF GEORGIA  
 DEPARTMENT OF NATURAL RESOURCES  
 ENVIRONMENTAL PROTECTION DIVISION

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 01G - Low Volume Waste (neutralization tank).

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		
	kg/day (lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type	Sample*1 Location
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.			
Flow-m <sup>3</sup> Day (MGD)	-	-	-	-	*2	*2	*2
Total Suspended Solids (mg/l)	-	-	30	100	2/Month	Grab	Discharge Line
Oil & Grease (mg/l)	-	-	15	20	2/Month	Grab	Discharge Line

There shall be no discharge of floating solids or visible foam in other than trace amounts(01, 02).

\*1 Prior to mixing with any other waste streams.

\*2 See Part III, Special Requirements, Item 7.

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During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 01H - Low Volume Waste (pressure filter backwash).

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		
	kg/day (lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type	Sample* <sup>1</sup> Location
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.			
Flow-m <sup>3</sup> Day (MGD)	-	-	-	-	-	-	-
Total Suspended Solids (mg/l)	-	-	30	100	1/Quarter	Grab	Discharge Line
Oil & Grease (mg/l)	-	-	15	20	1/Quarter	Grab	Discharge Line

There shall be no discharge of floating solids or visible foam in other than trace amounts(01, 02).

\*1 Prior to mixing with any other waste streams.

STATE OF GEORGIA  
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During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 01A and 02A - Cooling Tower Blowdown from Units 1 and 2.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>		
	Units (Specify) (mg/l)			Measurement Frequency	Sample Type	Sample Location
Daily Max.	Avg.	Inst. Max.				
Flow-m <sup>3</sup> Day (MCD)	-	-	-	-	-	-
Free Available Chlorine (FAC)	-	0.2	0.5	1/Week	Multiple Grabs	Blowdown Line
Total Residual Chlorine (TRC)	-	-	-	1/Week	Multiple Grabs	Blowdown Line
TRC Time (minutes/day/unit)	120	-	-	1/Week	Multiple Grabs	Blowdown Line
Total Chromium	0.2	-	-	1/Quarter	Grab	Blowdown Line
Total Zinc	1.0	-	-	1/Quarter	Grab	Blowdown Line

Multiple grab samples are to be collected on 15 minute intervals during periods of FAC and TRC discharges. Samples are to be taken before each individual cooling tower blowdown combines with waste streams from other sources.

All numerical discharge limitations and monitoring requirements apply to the individual cooling tower blowdown from each generating unit. Also, see Part III, B.4., 5., and 6., beginning on page 18.

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DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 01B, 02B, and 02C - Unit 1 Cooling Water Overflow, Unit 2 Cooling Tower Overflow to Storm Drains, and Unit 2 Cooling Water Overflow.

Such discharges shall be limited and monitored by the permittee as specified below:

Cooling water may be discharged from the above outfalls on an intermittent basis. The same discharge limitations apply as for Outfalls 01A and 02A. If these outfalls are used in lieu of Outfalls 01A and 02A, the permittee is required to monitor at the overflow flume or discharge line, as appropriate, utilizing the same measurement frequency and sample type as specified for Outfalls 01A and 02A.

STATE OF GEORGIA  
 DEPARTMENT OF NATURAL RESOURCES  
 ENVIRONMENTAL PROTECTION DIVISION

During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 01E and 02E - Low Volume Wastes (Liquid Radwaste Systems, Units 1 and 2).

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sample*1 Location
	Daily Avg.	Daily Max.	Daily Avg. (mg/l)	Daily Max.			
Flow-m <sup>3</sup> Day (MGD)	-	-	-	-	*2	*2	*2
Total Suspended Solids (mg/l)	-	-	30	100	2/Month	Grab	Discharge Line
Oil & Grease (mg/l)	-	-	15	20	2/Month	Grab	Discharge Line

There shall be no discharge of floating solids or visible foam in other than trace amounts (01, 02).

\*1 Prior to mixing with other waste streams.

\*2 See Part III, Special Requirements, Item 7.

Compliance with United States Nuclear Regulatory Commission (NRC) requirements applicable to this discharge will be deemed to constitute compliance with this permit relative to radwaste component of this waste stream. Permittee shall submit to EPD duplicate copies of the semi-annual radiological effluent release report as required in the Environmental Technical Specifications established by NRC. One set will be retained in the files of the Georgia EPD and the other will be forwarded to designated representatives in the U. S. Environmental Protection Agency, Region IV, office. Such reports may be submitted along with other monitoring reports required by the permit.

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 DEPARTMENT OF NATURAL RESOURCES  
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During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 01 and 02 - Combined Plant Waste Streams.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>		
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sample Location
	Daily Avg.	Daily Max.	Avg.	Inst. Max.			
Flow-m <sup>3</sup> Day (MGD)	-	-	-	-	*3	*3	*3
Temperature (°F)	-	-	-	-	1/Week	Grab	*1
Free Available Chlorine (mg/l)	-	-	-	-	1/Week	Multiple Grabs*2	*1
Total Residual Chlorine (mg/l)	-	-	-	-	1/Week	Multiple Grabs*2	*1

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

\*1 Monitoring will be at the mixing chamber which is the last point before discharge to river after combining of all waste streams.

\*2 During periods of chlorinated water discharge. Samplings should cover entire period from beginning to end of chlorinated water discharge and shall be taken at 15 minute intervals.

\*3 See Part III, Special Requirements, Item 7.

STATE OF GEORGIA  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

During the period beginning effective date and lasting through December 1, 1992,  
the permittee is authorized to discharge from outfall(s) serial number(s) 03 - Intake Screen Backwash.

Such discharges shall be limited and monitored by the permittee as specified below:

The discharge shall consist only of intake screen backwash. If the Director determines that water quality standards are not being protected as the result of this discharge and so notifies the permittee in writing, the permittee shall take all reasonable steps to minimize any adverse impact to waters of the State.

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DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

During the period beginning effective date and lasting through December 1, 1992, the permittee is authorized to discharge from outfall(s) serial number(s) 04 - 2P65 Chiller Water Blowdown (Air Conditioning Water).

Such discharges shall be limited and monitored by the permittee as specified below:

The discharge shall consist only of chiller water blowdown. If the Director determines that water quality standards are not being protected as the result of this discharge and so notifies the permittee in writing, the permittee shall take all reasonable steps to minimize any adverse impact to waters of the State.

PART I

Page 9 of 22  
Permit No. GA 0004120

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

N/A

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

Note: EPD as used herein means the Division of Environmental Protection of the Department of Natural Resources.

C. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on an Operation Monitoring Report (Form WQ 1.45), postmarked no later than the 21st. day of the month following the completed reporting period. The first report is due on

The EPD may require reporting of additional monitoring results by written notification. Signed copies of these, and all other reports required herein, shall be submitted to the following address:

Georgia Environmental Protection Division  
Industrial Wastewater Program  
205 Butler Street, S.E., Floyd Towers East  
Suite 1070  
Atlanta, Georgia 30334

3. Definitions

- a. The "daily average" discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days sampled during the calendar month when the measurements were made.
- b. The "daily maximum" discharge means the total discharge by weight during any calendar day.
- c. The "daily average" concentration means the arithmetic average of all the daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during that calendar day.

- d. The "daily maximum" concentration means the daily determination of concentration for any calendar day.
- e. "Weighted by flow value" means the summation of each sample concentration times its respective flow in convenient units divided by the sum of the respective flows.
- f. For the purpose of this permit, a calendar day is defined as any consecutive 24-hour period.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Federal Act.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses;
- d. The analytical techniques or methods used; and
- e. The results of all required analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Operation Monitoring Report Form (WQ 1.45). Such increased monitoring frequency shall also be indicated. The EPD may require more frequent monitoring or the monitoring of other pollutants not required in this permit by written notification.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained by the permittee for a minimum of three (3) years, or longer if requested by the State Environmental Protection Division.

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges or pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the EPD of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Water Protection Branch of EPD with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypassing

Any diversion from or bypass of facilities covered by this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage, runoff, or infiltration would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall operate the treatment works, including the treatment plant and total sewer system, to minimize discharge of the pollutants listed in Part I of this permit from combined sewer overflows or bypasses. The permittee shall monitor all overflows and bypasses in the sewer and treatment system. A record of each overflow and bypass shall be kept with information on the location, cause, duration, and peak flow rate. Upon written notification by EPD, the permittee may be required to submit a plan and schedule for reducing bypasses, overflows, and infiltration in the system.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering waters of the State.

7. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges from wastewater control facilities upon the reduction, loss, or failure of the primary source of power to said wastewater control facilities.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director of EPD, the Regional Administrator of EPA, and/or their authorized representatives, agents, or employees, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Water Protection Branch of EPD.

3. Availability of Reports

Except for data determined by the Director of EPD to be confidential under Section 16 of the State Act or the Regional Administrator of the U. S. Environmental Protection Agency under Section 308 of the Federal Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the Atlanta office of the EPD. Effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 22(b) of the State Act.

4. Permit Modification.

After written notice and opportunity for a hearing, this permit may be modified, suspended, revoked or reissued in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge; or
- d. To comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et.al. v. Russell E. Train, 8 ERC 2120(D.D.C. 1976), if the effluent limitation so issued:
  - (1) is different in conditions or more stringent than any effluent limitation in the permit; or
  - (2) controls any pollutant not limited in the permit.

5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for this pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition. A draft permit will be provided for review and comments prior to issuance.

6. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Federal Act.

8. Water Quality Standards

Nothing in this permit shall be construed to preclude the modification of any condition of this permit when it is determined that the effluent limitations specified herein fail to achieve the applicable State water quality standards.

9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. Expiration of Permit

Permittee shall not discharge after the expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit such information, forms, and fees as are required by the agency authorized to issue permits no later than 180 days prior to the expiration date.

11. Contested Hearings

Any person who is aggrieved or adversely affected by an action of the Director of EPD shall petition the Director for a hearing within thirty (30) days of notice of such action.

12. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

13. Best Available Technology Economically Achievable

Notwithstanding Part II, B-4 above, if an applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 301(b)2 of the Federal Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such effluent standard or prohibition. A draft permit will be provided for review and comments prior to issuance.

14. The permittee will implement best management practices to control the discharge of hazardous and/or toxic materials from ancillary manufacturing activities. Such activities include, but are not limited to, materials storage areas; in-plant transfer, process and material handling areas; loading and unloading operations; plant site runoff; and sludge and waste disposal areas.

PART III

A. PREVIOUS PERMITS

1. All previous State water quality permits issued to this facility, whether for construction or operation, are hereby revoked by the issuance of this permit. This action is taken to assure compliance with the Georgia Water Quality Control Act, as amended, and the Federal Clean Water Act, as amended. Receipt of the permit constitutes notice of such action. The conditions, requirements, terms and provisions of this permit authorizing discharge under the National Pollutant Discharge Elimination System govern discharges from this facility.

B. SPECIAL REQUIREMENTS

1. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid.
2. Any metal cleaning wastes generated will be contained for further treatment or disposal in a manner to permit compliance at time of discharge with requirements listed below. This applies to any preoperational chemical cleaning of metal process equipment also. The treatment and disposal procedures shall be discussed in the flow monitoring and characterization submittal.
3. The quantity of pollutants discharged in metal cleaning waste shall not exceed the quantity determined by multiplying the flow of metal cleaning wastes times the concentrations listed below. All effluent characteristics shall be monitored 1/week by grab sampling when a discharge is occurring.

<u>Effluent Characteristic</u>	<u>Discharge Limitation (mg/l)</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>
Total suspended solids	30	100
Oil and grease	15	20
Copper	1.0	1.0
Iron	1.0	1.0

4. Neither free available chlorine (FAC) nor total residual chlorine (TRC) may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Director that the units in a particular location cannot operate at or below this level of chlorination.
5. The free available chlorine (FAC) average means the average over any individual chlorine release period which does not exceed 2 hours per day per unit. The FAC maximum is the instantaneous maximum which may occur at any time. Further, the permittee will develop a system for monitoring and recording total time of FAC and TRC discharges. The results shall be reported in a suitably concise form beginning with the first scheduled Operation Monitoring Report (OMR) and continuing on each OMR thereafter.
6. The permittee shall certify annually that no priority pollutant other than chromium or zinc is above detectable limits in outfalls 01A, 02A, 01B, 02B, or 02C (cooling tower blowdowns or overflows). This certification may be based on manufacturers' certifications or engineering calculations.

7. In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property controlled by this permit shall not exceed the specified limitations for that source.
8. The Director may modify any effluent limitation upon request of the permittee if such limitation is covered by an approved variance or by an amendment to the Federal Clean Water Act.
9. Annually, the permittee shall submit to the Director flow monitoring and characterization information regarding the various waste streams.
10. The sewage treatment plant must be properly operated and maintained. This applies to C1F.
11. The permittee shall review the water treatment chemicals other than chlorine discharged to State waters. This includes, but is not limited to microbiocides, corrosion inhibitors, and dispersants. These chemicals shall be used and disposed of in accordance with the manufacturers' instructions unless other requirements are imposed by EPD. The permittee shall submit to EPD a current inventory of all water treatment chemicals discharged during the previous twelve months.
12. Forms other than Form WQ 1.45 may be used for the quarterly Operation Monitoring Report upon approval by the EPD.
13. Summary of requirements from preceding items which are required every year:
  - a. Metal cleaning waste treatment and disposal discussion.
  - b. Flow monitoring and characterization information regarding various waste streams.
  - c. Water treatment chemical inventory.
  - d. Cooling tower blowdown priority pollutant certification.
14. Provisions of 40 CFR 122.41(n)(1)-(4), regarding "Upset," shall be applicable to any civil, criminal, or administrative proceeding brought to enforce this permit.

15. The effluent limits for all metals in this permit shall be defined and reported in terms of "total recoverable metal" in conformance with the appropriate language of the applicable Federal regulations.
16. Upon approval of the Director, the permittee shall, on a case by case basis, be able to utilize alternative methodology, procedures, or new technologies, to ensure that the biomonitoring and toxicity reduction requirements of Part III. C. are adequately addressed.

C. BIOMONITORING AND TOXICITY REDUCTION REQUIREMENTS

In order to determine whether the permittee is discharging wastes in concentrations or combinations which may have an adverse impact on the State's water quality, the Division can require the permittee to conduct a biomonitoring program.

If toxicity is believed to be present in the permittee's effluent, the Division may require the permittee to develop a biomonitoring screening program according to the following schedule:

1. Within 90 days of Division notification a screening program study plan detailing the test methodology and test organisms shall be submitted for conducting a forty-eight hour static acute test of the final effluent.

Note: If residual chlorine is present in the final effluent from a treatment and/or disinfection process, a prechlorinated or dechlorinated sample will be tested.

2. Within 90 days of Division approval of the study plan, the permittee shall conduct and submit the results of the forty-eight hour static acute test.

The Division will then review the results of the forty-eight hour static acute test. If the test criteria specified in the study plan are exceeded, then the permittee shall within 90 days of written notification by the Division repeat steps 1. and 2. above replacing the forty-eight hour static acute test with the ninety-six hour test.

The Division will then review the results of the ninety-six hour test. If the criteria\* detailed in the ninety-six hour test indicates toxicity, then the permittee shall within 90 days of written notification by the Division submit to the Division a plan to reduce the toxicity of the effluent. Within 270 days of Division approval of this plan, the permittee shall implement the plan and initiate follow-up biomonitoring of the effluent in accordance with the approved toxicity reduction plan. The toxicity reduction plan shall not be complete until the permittee meets the criteria detailed in the ninety-six hour test plan.

If there are substantial composition changes in the permittee's effluent, the permittee may be required to repeat the forty-eight hour static acute test upon notification by the Division. Unless otherwise advised, the permittee shall perform biomonitoring of

the effluent as provided in C. 1. and 2. above, at a minimum of once every three years upon notification by the Division. On a case specific basis, chronic toxicity testing procedures may be required. Upon approval by the Division, all of the plans will become part of the requirements of this permit.

\*The 96 hour criteria shall define toxicity as a greater than 10% mortality of the exposed test organisms in 96 hours or less when the test solution contains volumes of effluent and dilution water proportional to the plant daily average flow and the 7Q10 flow of the receiving stream, as determined using test procedures and methods, and statistical methods for evaluating test results, developed by the permittee and approved by the Division pursuant to this section or revised pursuant to Part III. B.16. above.