

ALABAMA WATER IMPROVEMENT COMMISSION
AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq.; the "Act"), Title 22, § 22-22-1 et seq., *Code of Alabama* (1975), as amended, and regulations adopted thereunder,

Tennessee Valley Authority
268 - 401 Building
Chattanooga, Tennessee 37401

is authorized to discharge from a facility located at

Bellefonte Nuclear Power Plant
Construction Wastes
Jackson County, Alabama

to receiving waters named

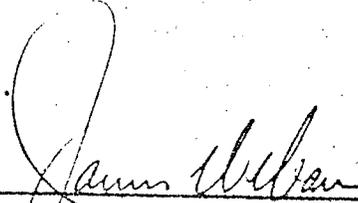
Tennessee River and Town Creek

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 March 1, 1980.

This permit and the authorization to discharge shall expire at midnight, September 30, 1980.

Signed this 15th day of February, 1980.


James W. Warr, Director
Water Improvement Commission

8003180424

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on start of discharge and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s) 001: Sewage Treatment Plant Effluent.

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)		Other Units(Specify) (mg/l except as noted)		Measurement	Sample
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.	Frequency	Type
Flow-m ³ /Day(MGD)	-	-	-	-	1/Month	Grab
B.O.D. (5 Day)	-	-	30	60	1/Month	Grab
Total Suspended Solids	-	-	30	60	1/Month	Grab

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.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations(s): Sewage treatment plant effluent prior to mixing with any other waste stream.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this permit and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s) 002 and 004: Point Source Runoff from Construction and Concrete Batch Plant. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day(lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.		
Flow-m ³ /Day(MGD)	-	-	-	-	1/Week	Grab
Total Suspended Solids	-	-	1/	1/	1/Week	Grab
Turbidity (JTU)	N/A	N/A	N/A	N/A	1/Week	Grab
Settleable Solids (ml/l)	N/A	N/A	N/A	N/A	1/Week	Grab

1/ Pending repromulgation of effluent guidelines for this waste category, limitations on total suspended solids shall not be applicable. Within 90 days of repromulgation, permittee shall submit a proposed implementation schedule and shall expeditiously complete necessary facilities, if any, to assure compliance with such repromulgated regulations. An impoundment capable of containing a 10-year, 24-hour rainfall event shall be provided. Not less than 1/six months permittee shall ascertain that available settling volume meets this requirement and shall report this finding when submitting the Discharge Monitoring Report. The first assessment shall be made during the first quarter following the effective date of this permit.

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.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations(s): point(s) of discharge from treatment facility prior to mixing with any other waste streams.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on start of discharge and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s)003: Diffuser Discharge

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.		
Flow-m ³ /Day(MGD)	-	-	-	-	1/Week	Recorder, Weir Reading or Pu
Total Residual Chlorine		See Below			1/Week	Logs Multiple Grabs

Total residual chlorine shall not exceed a maximum instantaneous concentration of 0.1 mg/l. In the event that the units cannot be operated at or below this level of chlorination, the applicant may submit a demonstration, based on biological toxicity data, that discharge of higher levels of chlorine are consistent with toxicity requirements of the Alabama Water Quality Standards. Effluent limitations will be modified consistent with an acceptable demonstration.

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 a grab sample.

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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations(s): plant discharge prior to entry into the Tennessee River.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning effective date and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s) 005 and 008 1/: Alum Sludge Settling Pond effluent to Serial Number 002 and Sump Collection Pond Effluent to Serial Number 003. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.		
Flow-m ³ /Day(MGD)	-	-	-	-	1/Week	Weir reading
Oil and Grease	-	-	15	20	1/Week	Grab
Total Suspended Solids	-	-	30	100	1/Week	Grab

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 a grab sample.

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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations(s): from the Alum Settling Pond (005) and Sump Collection Pond (008) prior to mixing with any other waste streams.

1/ Serial number assigned for identification and monitoring purposes.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning effective date and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s) 006 and 007 1/: Construction Concrete Uses Holding Pond Effluents to Serial Number 002.

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

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.		
Flow-m ³ /Day(MGD)	-	-	-	-	1/Week	Weir reading
Oil and Grease	-	-	N/A	20	1/Month	Grab
Total Suspended Solids	-	-	N/A	50	1/Week	Grab

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

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations(s): discharge from (construction concrete use holding) ponds prior to mixing with any other waste stream.

1/ Serial numbers assigned for identification and monitoring purposes.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:
 - a. Compliance with effluent limitations - effective date or start of discharge (001, 002, 003, 004, 005, 006, 007 and 008).
 - b. Construction effects monitoring (III.D.)
Reports due annually on March 31
 - c. Preoperational non-radiological aquatic monitoring program (III.E.)
 - (1) First report - October, 1980
 - (2) Subsequent report(s) - annually after first report
 - d. Operational non-radiological aquatic monitoring program (III.F.)
 - (1) Study plan - six months prior to commercial operation date of Unit 1
 - (2) Implement - commercial operation date of Unit 1
 - (3) First report - 15 months after implementation date
 - (4) Subsequent reports - annually after the first report

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 non-compliance. In the latter case, the notice shall include the cause of non-compliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

Note: Any construction of new waste treatment facilities or alterations to existing waste treatment facilities will require a permit or authorization for construction in accordance with applicable state law and regulation.

C. MONITORING AND REPORTING

1. Representative Sampling

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

2. Reporting

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on June 28, 1980. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Director, Alabama Water Improvement Commission at the following address:

Alabama Water Improvement Commission
State Office Building
Montgomery, Alabama 36130

3. Definitions

- a. The "daily average" concentration means the arithmetic average (weighted by flow) of all the daily determinations of concentrations 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) of all the samples collected during that calendar day.
- b. The "daily maximum" concentration means the daily determination of concentration for any calendar day.
- c. "Weighted by flow" means the summation of each sample concentration times its respective flow in convenient units divided by the summation of the flow values.
- d. "Nekton" means free swimming aquatic animals whether of freshwater or marine origin.
- e. For the purpose of this permit, a calendar day is defined as any 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 Act, under which such procedures may be required.

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 Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

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 for a minimum of three (3) years, or longer if requested by the State water pollution control agency.

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 of 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 permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Non-compliance 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 State with the following information, in writing, within five (5) days of becoming aware of such conditions:

- a. A description of the discharge and cause of non-compliance; and
- b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the non-complying 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 waters resulting from non-compliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

5. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the State in writing of each such diversion or bypass.

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 this 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 upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the representatives of the Alabama Water Improvement Commission, 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 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 State water pollution control agency.

3. Availability of Reports

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be

available for public inspection at the offices of the Water Improvement Commission. As required by the Act, 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 309 of the Act or as provided for in Title 22, §§22-22-1 et seq., Code of Alabama (1975), as amended.

4. Permit Modification

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

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

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 Act for a toxic 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 the toxic effluent standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for non-compliance.

7. Oil and Hazardous Substance Liability

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 to which the permittee is or may be subject under Section 311 of the Act or as provided for in Title 22, §§22-22-1 et seq., Code of Alabama (1975), as amended.

8. 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 Act.

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. 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.

PART III

OTHER REQUIREMENTS

1. For the purpose of this permit, a calendar day is defined as any consecutive 24-hour period.
2. This permit shall be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - 1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - 2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

3. In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property attributable to each controlled waste source shall not exceed the specified limitation for that waste source.
4. If the permittee, after monitoring for at least six months, determines that he is consistently meeting the effluent limits contained herein, the permittee may request of the Director that the monitoring requirements be reduced to a lesser frequency or be eliminated.
5. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. Administrative procedures shall be instituted to (a) maintain a detailed inventory of PCB use, (b) assure engineering design and construction to preclude release of PCB's to the environment, and (c) effectively detect the loss of PCB's from equipment. Detail of such procedures shall be submitted no later than 180 days prior to receipt of PCB containing equipment.

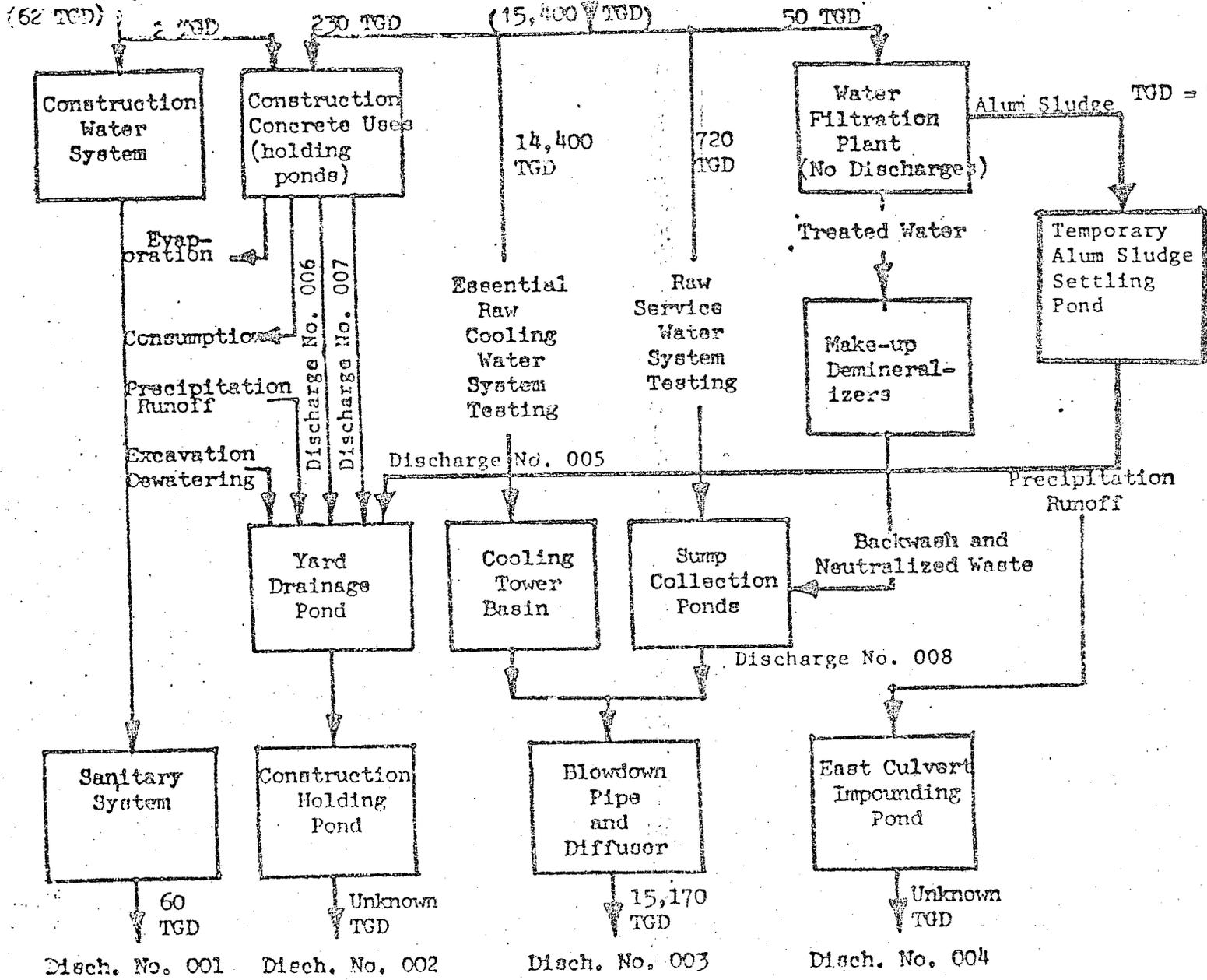
6. Permittee shall continue the ongoing aquatic construction effects monitoring program. Reports shall be submitted annually on March 31, 1980 to the State. Reports shall be submitted no more than two months after completion of the reporting period with the first report due on March 31, 1980. Reports shall include a summary evaluation of monitoring frequency, results, adequacy, and environmental effects of runoff control practices relative to Discharges Serial 002 and 004, and instream sampling. In the event that significant environmental effects occur due to site runoff resulting from construction, permittee shall take timely corrective actions, shall report such conditions and the corrective actions taken to the Director and shall implement such additional measures as he directs.
7. Permittee shall implement an approved preoperational non-radiological aquatic monitoring program to reestablish baseline data on water quality and biotic conditions in the Tennessee River not less than two years prior to the scheduled date for Unit 1 fuel loading. Not less than six months prior to the scheduled date for implementation, the permittee shall submit to the Director for review and approval, a detailed monitoring plan. Reports shall be submitted annually, not more than three months following completion of the reporting period with the first report due 15 months after implementation of the program. The program shall continue for a period of not less than two years after commercial operation of Unit 2.
8. This permit shall be modified, or alternatively, revoked and reissued to comply with any applicable effluent standard or limitation issued or approved under sections 301(b)(2)(C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (b) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

SCHEMATIC OF WATER FLOW
 TVA BELLEFONTE NUCLEAR PLANT
 CONSTRUCTION PERIOD
 JACKSON COUNTY, ALABAMA

Hollywood, Alabama
 Water System
 (62 TGD)

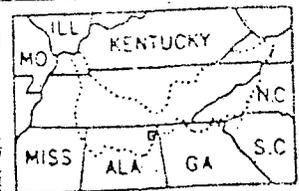
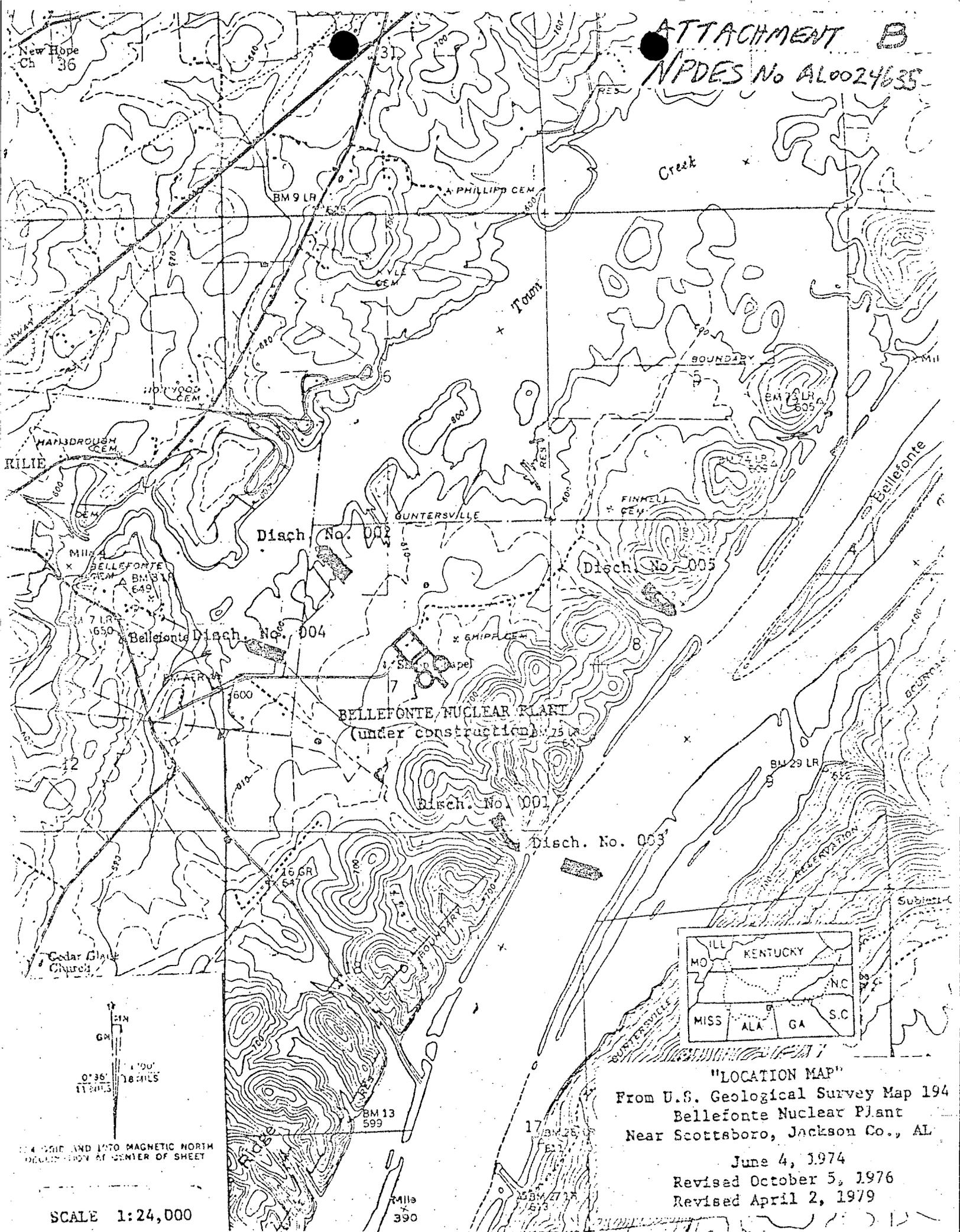
Tennessee River
 (15,400 TGD)



TGD = Thousand Gallons per Day

ATTACHMENT A
 APDES No. AL0024635

ATTACHMENT B
NPDES No AL0024635



"LOCATION MAP"
From U.S. Geological Survey Map 194
Bellefonte Nuclear Plant
Near Scottsboro, Jackson Co., AL

June 4, 1974
Revised October 5, 1976
Revised April 2, 1979

New Hope
Ch 36

Disch. No. 002

Disch. No. 005

Bellefonte Disch. No. 004

BELLEFONTE NUCLEAR PLANT
(under construction)

Disch. No. 001

Disch. No. 003

GN

0° 36' 18" N
111° 05' 15" W

1974 GRID AND 1970 MAGNETIC NORTH
ORIENTATION AT CENTER OF SHEET

SCALE 1:24,000

7119
390

NAME Tennessee Valley Authority
 ADDRESS 268 + 401 Building
Chattanooga, Tennessee 37401
 FACILITY Hellefonte Nuclear Power Plant
 LOCATION Jackson County, Alabama

AL0024635
 PERMIT NUMBER

001
 DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	(29-31)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	PERMIT REQUIREMENT	N/A	N/A	MGD						1/Mo.	Grab
BOD (5 Day)	PERMIT REQUIREMENT					30	60	mg/l		1/Mo.	Grab
TSS	PERMIT REQUIREMENT					30	60	mg/l		1/Mo.	Grab
pH	PERMIT REQUIREMENT				6.0	-	9.0	s.u.		1/Wk.	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME Tennessee Valley Authority
 ADDRESS 288 - 401 Building
Chattanooga, Tennessee 37401
 FACILITY Bellefonte Nuclear Power Plant
 LOCATION Jackson County, Alabama

(12-15) A10024635 PERMIT NUMBER	(17-19) 002 DISCHARGE NUMBER				
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM			TO		
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (33 Card Only (46-53))			QUALITY OR CONCENTRATION (4 Card Only (38-45))			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	PERMIT REQUIREMENT	N/A	N/A	MGD					1/Week	Grab
TSS	PERMIT REQUIREMENT					N/A	N/A	mg/l	1/Week	Grab
Turbidity	PERMIT REQUIREMENT					N/A	N/A	JTU	1/Week	Grab
Settleable Solids	PERMIT REQUIREMENT					N/A	N/A	ml/l	1/Week	Grab
pH	PERMIT REQUIREMENT				6.0		9.0	s.u.	1/Week	Grab
	PERMIT REQUIREMENT									
	PERMIT REQUIREMENT									

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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 158-R0073

NAME Tennessee Valley Authority
 ADDRESS 268 - 401 Building
Chattanooga, Tennessee 37401
 FACILITY Bellefonte Nuclear Power Plant
 LOCATION Jackson County, Alabama

AL0024635
 PERMIT NUMBER

003
 DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM			TO		
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	PERMIT REQUIREMENT	---	---	MGD					1/Week	record weir r
Total Residual Chlorine	PERMIT REQUIREMENT					0.1	mg/l		1/Week	instan
pH	PERMIT REQUIREMENT				6.0	9.0	s.u.		1/Week	Grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 158-R0973

NAME Chattanooga Valley Authority
 ADDRESS 268 1/2 Old Building
Chattanooga, Tennessee
 FACILITY Bellefonte Nuclear Power Plant
 LOCATION Jackson County, Alabama

AL0024635
 PERMIT NUMBER
 004
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-76)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	N/A	N/A	MGD						1/Week	Grab
TSS	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					N/A	N/A	mg/l		1/Week	Grab
Turbidity	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					N/A	N/A	JTU		1/Week	Grab
Settleable Solids	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					N/A	N/A	ml/l		1/Week	Grab
pH	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT				6.0		9.0	s.u.		1/Week	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: _____
 THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1310. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)
 TYPED OR PRINTED: _____
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: _____
 TELEPHONE: _____ DATE: _____
 AREA CODE: _____ NUMBER: _____ YEAR: _____ MO: _____ DAY: _____

COMMENT AND EXPLANATION OF ANY VIOLATIONS. (Reference all attachments here)

NAME Alabama Valley Authority
 ADDRESS 26B - 401 Building
Chattanooga, Tennessee 37401
 FACILITY Hallsford Nuclear Power Plant
 LOCATION Jackson County, Alabama

(12-16) AL0024635	(17-19) 005
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
(20-21) (22-23) (24-25)	(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	N/A	N/A	MGD						1/Week	Run Reading
O & G	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					15	20	mg/l		1/Week	Grab
TSS	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					35	100	mg/l		1/Week	Grab
pH	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT				6.0	-	9.0	s.u.		1/Week	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
TYPED OR PRINTED		COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)				

NAME Tennessee Valley Authority
 ADDRESS 268 - 401 Building
Chattanooga, Tennessee 37401
 FACILITY Bellefonte Nuclear Power Plant
 LOCATION Jackson County, Alabama

(2-16) AL0024635 PERMIT NUMBER	(17-19) 006 DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
(20-21) (22-23) (24-25)	(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	N/A	N/A	MGD						1/Week	Weir reading
O & G	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					N/A	20	mg/l	1/Mo.	Grab	
TSS	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					N/A	50	mg/l	1/Week	Grab	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME: Tennessee Valley Authority
 ADDRESS: 268 - 401 Building
 Chattanooga, Tennessee 37401
 FACILITY: Balfonte Nuclear Power Plant
 LOCATION: Jackson County, Alabama

AL0024635
 PERMIT NUMBER

C07
 DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM			TO		
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Flow	PERMIT REQUIREMENT	N/A	N/A	MGD						1/Week	well read
O & G	PERMIT REQUIREMENT					N/A	20	mg/l		1/Mo.	Gral
TSS	PERMIT REQUIREMENT					N/A	50	mg/l		1/Week	Gral
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME Tennessee Valley Authority
 ADDRESS 268 - 401 Building
Chattanooga Tennessee 37401

AL0024635
 PERMIT NUMBER

008
 DISCHARGE NUMBER

FACILITY Bellefonte Nuclear Power Plant
 LOCATION Jackson County, Alabama

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPL TYPE (69-76)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow		N/A	N/A	MGD					1/Week	Well Read
O & G						15	20	mg/l	1/Week	Grab
TSS						30	100	mg/l	1/Week	Grab
pH					6.0	-	9.0	s.u.	1/Week	Grab

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		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
TYPED OR PRINTED						

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)