
EPA FORM 2C NPDES

**Application for Permit to Discharge Wastewater
Consolidated Permits Program**

**Edwin I. Hatch Nuclear Plant
NPDES No. GA0004120**

Please print or type in the unshaded areas only.

EPA I.D. (copy from Item 1 of Form 1)
GA0004120

Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

FORM 2C NPDES		U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS <i>Consolidated Permits Program</i>
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I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NO. (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1.DEG.	2. MIN.	3. SEC.	1.DEG.	2. MIN.	3. SEC.	
01-04	*	*	*	*	*	*	Altamaha River
							* Withheld for security concerns. Please contact permittee if coordinates are needed.

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO (list)	2. OPERATION (S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
01	Unit 1 Final Plant Discharge	16,500 GPM	50,000 GPM Max	4A	2F
01A	Unit 1 Cooling Tower Blowdown	**	**	4A	2F
01B	Unit 1 Cooling Tower Flume Overflow	8,000 GPM	34,000 GPM Max.	4A	2E, 2F
01E	Unit 1 Low Volume Waste (Liquid Radwaste)	**	**	4A	
01F	Sewage Treatment Plant	8 GPM	50 GPM Max	4A, 2F	5H, 5O
01G	Low Volume Wastes (Makeup Demineralization/Neutralization Tank)	**	**	4A	
01H	Low Volume Wastes (Pressure Filter Backwash) Non-Contact Cooling Water	**	**	4A	
01I	Unit 1 Cooling Tower Basin Drains	**	**	4A	2F
01J	Unit 1 Cooling Tower Basin Overflow	**	**	4A	2F
02	Unit 2 Final Plant Discharge	10,600 GPM	50,000 GPM Max	4A	2F
02A	Unit 2 Cooling Tower Blowdown	**	**	4A	2F
02B	Unit 2 Cooling Tower Basin Overflow to Storm Drains	**	**	4A	2F
02C	Unit 2 Cooling Tower Flume Overflow	8,000 GPM	34,000 GPM Max.	4A	2E, 2F
02E	Unit 2 Low Volume Waste (Liquid Radwaste)	**	**	4A	
03	Intake Screen Backwash	**	**	4A	2F
03A	Intake Strainer Backwash	**	**	4A	
04	Chiller Water Blowdown/Draining	**	**	4A	
	** Intermittent (See Attached Table)				

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items 11-A or B intermittent or seasonal? <input checked="" type="checkbox"/> YES (complete the following table) <input type="checkbox"/> NO (go to Section III)								
1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		c. DURATION (in days)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
	See attachment for Intermittent Discharges							
III. PRODUCTION								
A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility? <input checked="" type="checkbox"/> YES (complete Item III-B) <input type="checkbox"/> NO (go to Section IV)								
B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)? <input type="checkbox"/> YES (complete Item III-C) <input checked="" type="checkbox"/> NO (go to Section IV)								
C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.								
1. AVERAGE DAILY PRODUCTION						2. AFFECTED OUTFALLS (list outfall numbers)		
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)						
N/A								
IV. IMPROVEMENTS								
A. Are you now required by any Federal, state or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions. <input type="checkbox"/> YES (complete the following table) <input checked="" type="checkbox"/> NO (go to Item IV-B)								
1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE				
	a. NO.	B. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED			
N/A								
B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction. <input checked="" type="checkbox"/> MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAM IS ATTACHED								

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
None			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

 YES (list all such pollutants below) NO (go to Item VI-B)

N/A

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (identify the test(s) and describe their purposes below) NO (go to Section VIII)

N/A

VIII CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contact laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below) NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Alabama Power Company General Test Laboratory	P.O. Box 2641 Birmingham, AL 35291	(205) 664-6182	All except pH, temperature, Total Residual Chlorine, and Radiological
Florida Radiochemistry Services, Inc.	5456 Hoffner Ave. Suite 201 Orlando, FL 32812	(407) 382-7733	Radiological

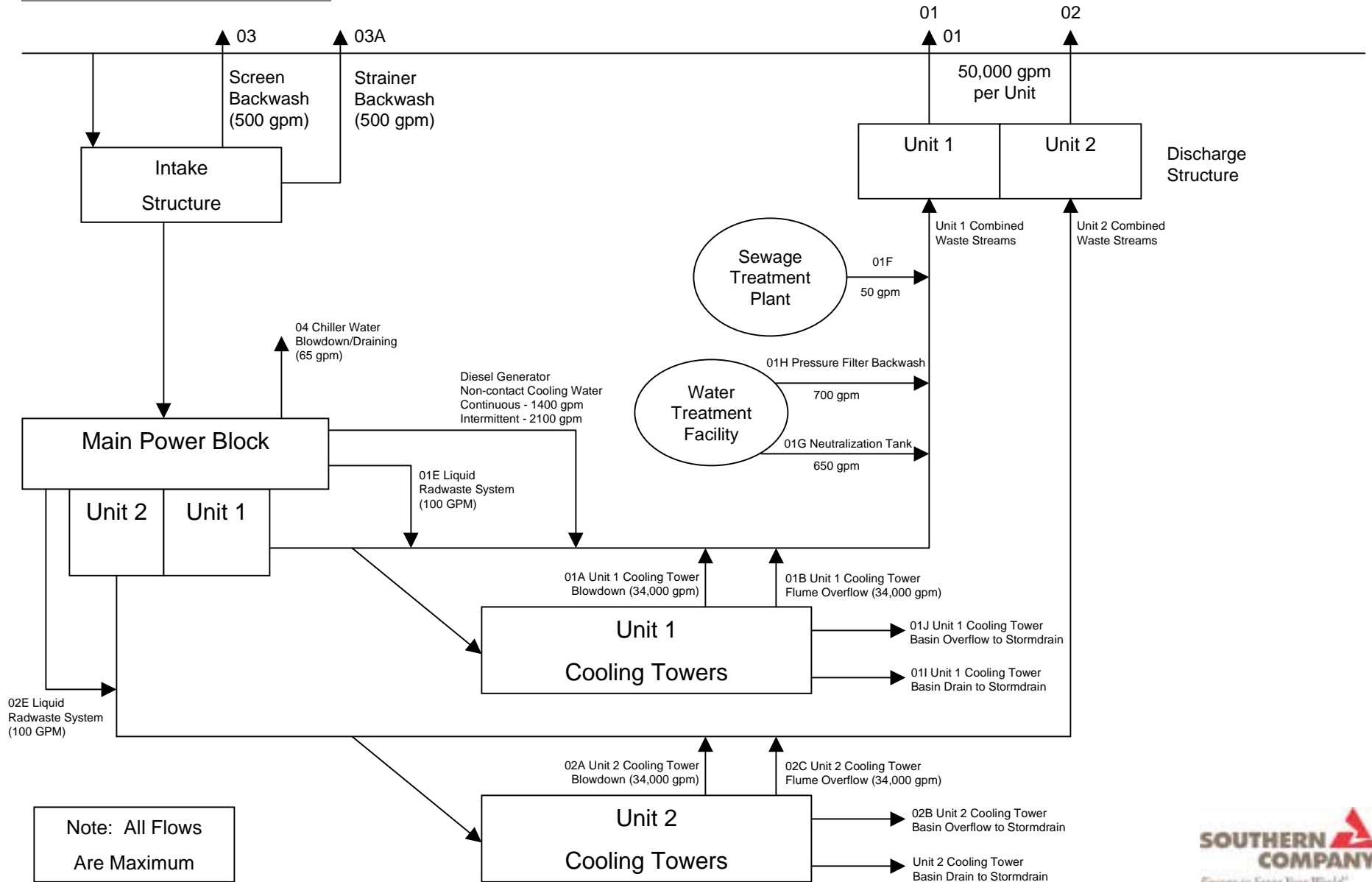
IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designated to assure that qualified personal 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 knowing violations.

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (Area code & no.)
J. D. Woodard, Executive Vice President	(205) 992 -5086
C. SIGNATURE * SIGNED HARDCOPY INCLUDED WITH SUBMITTAL *	D. DATE SIGNED

Hatch Nuclear Plant
 Line Drawing/Water Balance
 Permit No. GA0004120

ALTAMAHA RIVER



Form 2C, Attachment 1
Item II.C. Intermittent and Miscellaneous Flows

<u>Outfall</u>	<u>Description of Flow</u>
01A – Unit 1 Cooling Tower Blowdown	This point is utilized as an alternative to the flume overflow to control the level in the Unit 1 cooling tower basin. The maximum flow is 34,000 gpm when in service.
01E – Unit 1 Low Volume Waste (Liquid Radwaste)	Liquid radwaste is released on a batch basis. The frequency of release is variable and depends on radwaste system operation frequency. Average flow is 65 gpm (100 gpm maximum); duration is normally 2 hours per batch. Total system capacity is 38,000 gallons.
01G – Low Volume Waste (Makeup Demineralizer/Neutralization Tank)	Discharge from the makeup demineralizer regeneration occurs on a batch basis. The frequency of release is dependent on operation of the demineralizers. Average flow is 320 gpm (650 gpm maximum); duration of discharge is normally 1.5 hours per event.
01H – Low Volume Waste (Pressure Filter Backwash)	This point is utilized for pressure filter backwash and other miscellaneous flows such as pump seal water, valve leakoffs, and miscellaneous low-volume non-contact cooling water. Discharge from the pressure filter backwash occurs on a per event basis. The frequency of backwash is dependent on operation of the pressure filter system but is generally once per month. Average flow for this stream is between 200 and 750 gpm for 40 minute, with an average of one backwash per week.
01I – Unit 1 Cooling Tower Basin Drains	The Unit 1 cooling tower basin drains are utilized during outages to drain the cooling tower system to support outage related cooling tower maintenance. The discharge volume is approximately 3.5 million gallons discharged over a 48-hour period.
01J – Unit 1 Cooling Tower Basin Overflow to Storm Drains	This point is utilized for Unit 1 cooling tower basin overflows to storm drains. The maximum discharge volume is approximately 3.5 million gallons discharged over a 48-hour period.
02A – Unit 2 Cooling Tower Blowdown	This point is utilized periodically as an alternative to the flume overflow to control the level in the Unit 2 cooling tower system. Average flow is approximately 15,000 gpm when in service.

Form 2C, Attachment 1 (Continued)
Item II.C. Intermittent and Miscellaneous Flows

<u>Outfall</u>	<u>Description of Flow</u>
02B – Unit 2 Cooling Tower Basin Overflow to Storm Drains	This point is utilized for Unit 2 cooling tower basin overflows to storm drains and for basin drainage during outages to drain the Unit 2 cooling tower system. The maximum discharge volume is approximately 3.5 million gallons discharged over a 48-hour period. Chemical feed is secured and chemical residuals are verified absent before draining.
02E – Unit 2 Low Volume Waste (Liquid Radwaste)	Liquid radwaste is released on a batch basis. The frequency of release is variable and depends on radwaste system operation frequency. Average flow is 65 gpm (100 gpm maximum). Duration is normally 2 hours per batch.
03 – Intake Screen Backwash	The intake screens are backwashed approximately once per shift. The average flow is 412 gpm (500 gpm maximum). Duration varies but is generally less than 15 minutes.
03A – Intake Strainer Backwash	The Plant Service Water intake lines are equipped with strainers to remove small debris entrained in the water by pump operation. Each strainer is backwashed with service water approximately once per shift at an average flow of approximately 412 gpm. The discharge from the strainer backwash is routed through a 12-inch line into a stillwell area on the downstream side of the intake structure where it is ultimately discharged to the Altamaha River.
04 – Chiller Water Blowdown/Draining	This point is currently permitted to receive blowdown and draining from several chiller water systems, including the 2P65 and turbine building chilled water system. Chiller systems contain nitrite, molybdate, or nitrite/molybdate combinations. Biocide is added per vendor recommendations to control microbial growth. Blowdown from these systems is intermittent and is estimated at 11 gpm. Draining of these systems occurs on an infrequent basis and is normally associated with maintenance operations. Other smaller cooling water systems may also be periodically drained to the yard drain system. Previous NPDES permits provided for draining the 2P65 chiller system and other chiller systems containing sodium nitrite as a corrosion inhibitor. Documentation of each drainage event has been included with quarterly Operational Monitoring Reports. Biocide residuals are confirmed to be absent prior to draining.

Form 2C, Attachment 2 Circulating Water System Dechlorination

Since the NPDES permit renewal in 1997, Hatch Nuclear Plant (HNP) has altered the manner in which the circulating water system is operated in order to support the addition of dechlorination equipment. The current HNP NPDES permit allows three separate discharge paths for chlorinated water from the cooling towers (blowdown, flume overflow, and basin overflow). These three points for cooling tower discharge share the same limits and sampling frequency, which are based on the Steam Electric Guideline requirements in 40 CFR Part 423.

Previously, HNP primarily utilized the cooling tower blowdown pathway for normal discharges from the cooling towers. Blowdown was isolated during chlorination events, and the circulating water was periodically sampled for TRO/FAO. Once the chlorine residual had dissipated and was no longer detectable, cooling tower blowdown was reopened. This arrangement presented operational concerns because the flume level had to be kept low to prevent a discharge of chlorinated water via the flume overflow, and a low flume level could lead to cavitation of the circulating water pumps.

HNP has now instituted a dechlorination program that serves two purposes: (1) enhanced control of microbiofouling by allowing continuous chlorination; and (2) ensured operational stability of the circulating water pumps by maintaining a higher flume level.

The current program is designed to normally keep cooling tower blowdown closed, and utilize the flume overflow as the single point of discharge from the cooling towers. Dechlorination equipment has been installed at the flume overflow point on each unit (location "A" on Figure 1; Unit 2 has a similar arrangement). Initially, sodium bisulfite was used as the dechlorination chemical, but HNP is now using ammonium bisulfite because of its lower freezing point and lower chemical cost.

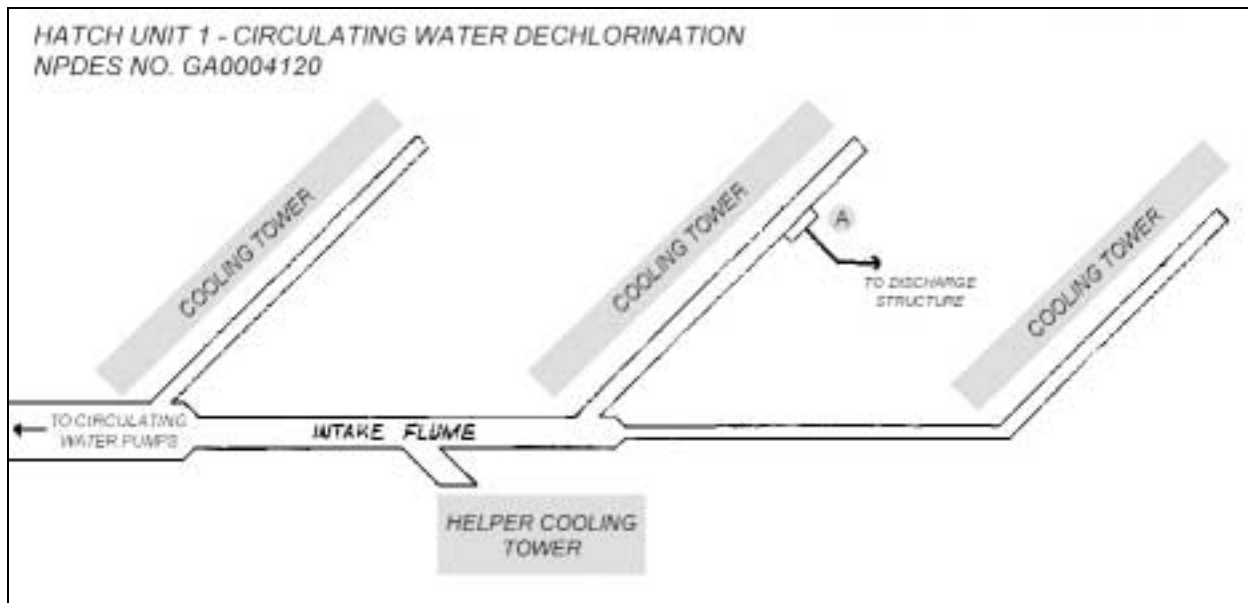


Figure 1, Circulating Water Dechlorination General Arrangement.

The dechlorination system is in continuous service, feeding approximately 130 to 140 mL/min of ammonium bisulfite to the discharge from the flume overflow. Field data shows that this rate is sufficient to consume the chlorine residual and provide sufficient excess to serve as a buffer in the event of a spike in the chlorine level. The objective of the chemical treatment program is to achieve a contact time of eight (8) hours per day at 0.6 to 1.0 ppm total residual chlorine in the circulating water. By summer of 2002, both units should be chlorinating seven days per week.

Under the dechlorination program, the only available sample point for compliance with NPDES permit limits is at the discharge structure. Sampling from the cooling tower basins or from the flume is not feasible since those locations are upstream of the dechlorination system. Dechlorination occurs at the point where the flume overflow enters underground piping. The only available sample point downstream of the dechlorination system is at the discharge structure. Samples will be taken at the discharge structure to verify compliance with permit provisions for discharge from the cooling towers.

Form 2C, Attachment 3
Item IV.B. Projects Affecting Discharge

Cooling Tower Replacement Project

Hatch Nuclear Plant (HNP) is currently in the design phase of a cooling tower replacement project. The cooling towers on both units are nearing the end of their useful lives and require replacement in order to support continued operation of the plant.

The tentative plans are to perform the Unit 1 replacement in 2003, and the Unit 2 replacement in 2004. For each unit, the new towers would first be constructed between the existing towers, with an end return back to the existing flume. Once the new towers are constructed and placed into service, the existing towers will be isolated and demolished. At this point in the project, it is not believed that discharge volumes or characteristics will change significantly as a result of the new cooling towers.

Once the details of the project have been finalized, Southern Nuclear Operating Company anticipates submitting a Notice of Intent (NOI) to Georgia EPD for coverage of the construction project under the general stormwater construction permit.

EPA FORM 2C SECTION V

**Intake and Effluent Characteristics
Consolidated Permits Program**

**Edwin I. Hatch Nuclear Plant
NPDES No. GA0004120**

Unit 1 Effluent

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

GA0004120

Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL
NO.
01

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	2	345.8					1	mg/l	lb/day	1	491.3	1
b. Chemical Oxygen Demand (COD)	20	3458.0					1	mg/l	lb/day	14	6878.2	1
c. Total Organic Carbon (TOC)	5.11	883.5					1	mg/l	lb/day	3.06	1503.4	1
d. Total Suspended Solids (TSS)	16	2766.4					1	mg/l	lb/day	10	4913.0	1
e. Ammonia (as N)	0.34	58.8					1	mg/l	lb/day	0.05	24.6	1
f. Flow	VALUE 14,387		VALUE		VALUE		3	gpm		VALUE 40,882		36
g. Temperature (winter)	VALUE 29		VALUE 25		VALUE 23		39	°C		VALUE 11		USGS Data
h. Temperature (summer)	VALUE 35		VALUE 33		VALUE 31		39	°C		28		USGS Data
i. pH	MINIMUM 6.6	MAXIMUM 8.7	MINIMUM 7.4	MAXIMUM 8.5			158	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data for an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLU-TANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Bel-ieved Present	b. Bel-ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YESES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
			(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS						
a. Bromide (24959-67-9)	X		<0.02	<3.46					1	mg/l	lb/day	<0.02	<9.83	1
b. Chlorine, Total Residual	X		1.6	276.6	0.26	44.95	<0.01	<1.73	205	mg/l	lb/day	<0.01	<4.91	1
c. Color	X		7						1	PCU		9		1
d. Fecal Coliform	X		12						1	col/100 ml		2		1
e. Fluoride (16984-48-8)	X		0.25	43.23					1	mg/l	lb/day	0.18	88.43	1
f. Nitrate-Nitrite (as N)	X		0.98	169.4					1	mg/l	lb/day	0.60	294.8	1

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.100	17.29					1	mg/l	lb/day	0.090	44.22	1
h. Oil and Grease	X		2.9	501.4					1	mg/l	lb/day	2.7	1326.5	1
I. Phosphorus (as P) Total (7723-14-0)	X		0.16	27.66					1	mg/l	lb/day	0.12	58.96	1
J. Radioactivity														
(1) Alpha, Total	X		<1.2						1	pCi/L		1.2		1
(2) Beta, Total	X		4.2						1	pCi/L		2.9		1
(3) Radium, Total	X		<1.1						1	pCi/L		2.7		1
(4) Radium 226, Total	X		0.2						1	pCi/L		0.3		1
k. Sulfate (as SO ₄) (14808-79-8)	X		25.3	4374.4					1	mg/l	lb/day	15.2	7467.8	1
l. Sulfide (as SO ₃) (14265-45-3)		X	0.05	8.65					1	mg/l	lb/day	<0.01	<4.91	1
m. Sulfite (as SO ₃) (14265-45-3)	X		<0.25	43.23					1	mg/l	lb/day	<0.25	<122.8	1
n. Surfactants	X		0.01	1.73					1	mg/l	lb/day	0.02	9.83	1
o. Aluminum, Total (7440-39-3)	X		1.62	280.1					1	mg/l	lb/day	0.745	366.0	1
p. Barium, Total (7440-39-3)		X	0.049	8.47					1	mg/l	lb/day	0.032	15.72	1
q. Boron, Total (7440-42-8)		X	0.053	9.16					1	mg/l	lb/day	0.035	17.20	1
r. Cobalt, Total (7440-48-4)		X	<0.004	<0.69					1	mg/l	lb/day	<0.004	<1.97	1
s. Iron, Total (7439-89-6)	X		1.95	337.2					1	mg/l	lb/day	0.968	475.6	1
t. Magnesium, Total (7439-95-4)	X		3.19	551.6					1	mg/l	lb/day	2.08	1021.9	1
u. Molybdenum, Total (7439-98-7)	X		<0.01	<1.73					1	mg/l	lb/day	<0.01	<4.91	1
v. Manganese, Total (7439-96-5)	X		0.202	34.93					1	mg/l	lb/day	0.108	53.06	1
w. Tin, Total (7440-31-5)		X	<0.002	<0.35					1	mg/l	lb/day	<0.002	<0.98	1
x. Titanium, Total (7440-32-6)	X		0.059	10.20					1	mg/l	lb/day	0.029	14.25	1

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for the pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing	b. Bel- ieved	b. Bel- ieved	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
	Required	Present	Absent	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X		X	<0.012	<2.07					1	mg/l	lb/day	<0.012	<5.90	1
2M. Arsenic, Total (7440-38-2)	X		X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
3M. Beryllium, Total, 7440-41-7	X		X	<0.001	<0.17					1	mg/l	lb/day	<0.001	<0.49	1
4M. Cadmium, Total (7440-43-9)	X		X	<0.002	<0.35					1	mg/l	lb/day	<0.002	<0.98	1
5M. Chromium Total (7440-47-3)	X		X	0.001	0.17					1	mg/l	lb/day	0.001	0.49	1
6M. Copper, Total (7440-50-8)	X	X		0.007	1.21					1	mg/l	lb/day	<0.005	<2.46	1
7M. Lead, Total (7439-92-1)	X	X		<0.004	<0.69					1	mg/l	lb/day	<0.004	<1.97	1
8M. Mercury, Total (7439-97-6)	X		X	<0.0002	<0.03					1	mg/l	lb/day	<0.0002	<0.10	1
9M. Nickel, Total (7440-02-0)	X		X	<0.004	<0.69					1	mg/l	lb/day	<0.004	<1.97	1
10M. Selenium, Total (7782-49-2)	X		X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
11M. Silver, Total (7440-22-4)	X		X	<0.006	<1.04					1	mg/l	lb/day	<0.006	<2.95	1
12M. Thallium, Total (7440-28-0)	X		X	<0.007	<1.21					1	mg/l	lb/day	<0.007	<3.44	1
13M. Zinc, Total (7440-66-6)	X	X		0.029	5.01					1	mg/l	lb/day	0.017	8.35	1
14M. Cyanide, Total (57-12-5)	X		X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
15M. Phenols, Total	X		X	<0.01	<1.73					1	mg/l	lb/day	<0.01	<4.91	1

DIOXIN

2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											
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CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing	b. Bel- ieved	b. Bel- ieved	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
	Required	Present	Absent	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1V. Acrolein (107-02-8)	X		X	<0.002	<0.35					1	mg/l	lb/day	<0.002	<0.98	1
2V. Acrylonitrile (107-13-1)	X		X	<0.001	<0.17					1	mg/l	lb/day	<0.001	<0.49	1
3V. Benzene (71-43-2)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
4V. Bis(Chloromethyl) Ether (542-88-1)			X							0	mg/l	lb/day			0
5V. Bromoform (75-25-2)	X		X	<0.0030	<0.52					1	mg/l	lb/day	<0.0030	<1.47	1
6V. Carbon Tetrachloride(56-23-5)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
7V. Chlorobenzene (108-90-7)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
8V. Chlorodibromo- methane (124-48-1)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
9V. Chloroethane (75-00-3)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
11V. Chloroform (67-66-3)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
12V. Dichlorobromo- methane (75-71-8)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
13V. Dichlorodifluoro- methane (75-71-8)			X							0	mg/l	lb/day			0
14V. 1,1-Dichloro- ethane (75-34-3)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
15V. 1,2-Dichloro- ethane (107-06-2)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
16V. 1,1-Dichloro- ethylene (75-35-4)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
17V. 1,2-Dichloro- propane (78-87-5)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
18V. 1,3-Dichloro- propylene (542-75-6)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
19V. Ethylbenzene (100-41-4)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
20V. Methyl Bromide (74-83-9)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
21V. Methyl Chloride (74-87-3)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test-ing Required	b. Bel-ieved Present	b. Bel-ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR.G. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
GC/MS FRACTION — VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
23V. 1,1,1,2-Tetra-chloroethane (79-34-5)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
24V. Tetrachloroethylene (127-18-4)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
25V. Toluene (108-88-3)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
27V. 1,1,1-Trichloroethane (71-56-6)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
29V. Trichloroethylene (79-01-6)	X		X	<0.0020	<0.35					1	mg/l	lb/day	<0.0020	<0.98	1
30V. Trichlorofluoro-methane (75-69-4)			X							0	mg/l	lb/day			0
31V. Vinyl Chloride (75-01-4)	X		X	<0.0010	<0.17					1	mg/l	lb/day	<0.0010	<0.49	1
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.0033	<0.57					1	mg/l	lb/day	<0.0033	<1.62	1
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.0027	<0.47					1	mg/l	lb/day	<0.0027	<1.33	1
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.0027	<0.47					1	mg/l	lb/day	<0.0027	<1.33	1
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.024	<4.15					1	mg/l	lb/day	<0.024	<11.79	1
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.042	<7.26					1	mg/l	lb/day	<0.042	<20.63	1
6A. 2-Nitrophenol (88-75-5)	X		X	<0.0036	<0.62					1	mg/l	lb/day	<0.0036	<1.77	1
7A. 4-Nitrophenol (100-02-7)	X		X	<0.0024	<0.41					1	mg/l	lb/day	<0.0024	<1.18	1
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.0030	<0.52					1	mg/l	lb/day	<0.0030	<1.47	1
9A. Pentachlorophenol (87-86-5)	X		X	<0.0036	<0.62					1	mg/l	lb/day	<0.0036	<1.77	1
10A. Phenol (108-95-2)	X		X	<0.0015	<0.26					1	mg/l	lb/day	<0.0015	<0.74	1
11A. 2,4,6-Trichloro-phenol (88-06-2)	X		X	<0.0027	<0.47					1	mg/l	lb/day	<0.0027	<1.33	1

CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing	b. Bel- ieved	b. Bel- ieved	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
	Required	Present	Absent	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
2B. Acenaphthylene (208-96-8)	X		X	<0.0035	<0.61					1	mg/l	lb/day	<0.0035	<1.72	1
3B. Anthracene (120-12-7)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
4B. Benzidine (92-87-5)	X		X	<0.044	<7.61					1	mg/l	lb/day	<0.044	<21.62	1
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.0078	<1.35					1	mg/l	lb/day	<0.0078	<3.83	1
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
7B. 3,4-Benzo-fluoranthene (205-99-2)	X		X	<0.0048	<0.83					1	mg/l	lb/day	<0.0048	<2.36	1
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.0041	<0.71					1	mg/l	lb/day	<0.0041	<2.01	1
9B. Benzo (k)Fluoranthene (207-08-9)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X		X	<0.0053	<0.92					1	mg/l	lb/day	<0.0053	<2.61	1
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.0057	<0.99					1	mg/l	lb/day	<0.0057	<2.80	1
12B. Bis (2-Chloro-isopropyl) Ether (102-60-1)	X		X	<0.0057	<0.99					1	mg/l	lb/day	<0.0057	<2.80	1
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	0.0095	1.64					1	mg/l	lb/day	<0.0025	<1.23	1
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
16B. 2-Chloronaphthalene (91-58-7)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X		X	<0.0042	<0.73					1	mg/l	lb/day	<0.0042	<2.06	1
18B. Chrysene (218-01-9)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
20B. 1,2-Dichloro-benzene (95-50-1)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
21B. 1,3-Dichloro-benzene (541-73-1)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
GA0004120	01

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.0044	<0.76					1	mg/l	lb/day	<0.0044	<2.16	1
23B. 3,3-Dichlorobenzidine (91-94-1)	X		X	<0.0165	<2.85					1	mg/l	lb/day	<0.0165	<8.11	1
24B. Diethyl Phthalate (84-66-2)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.0016	<0.28					1	mg/l	lb/day	<0.0016	<0.79	1
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.0057	<0.99					1	mg/l	lb/day	<0.0057	<2.80	1
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
29B. Di-N-OctylPhthalate (117-84-0)	X		X	<0.0025	<0.43					1	mg/l	lb/day	<0.0025	<1.23	1
30B. 1,2-Diphenyl-hydrazine (as Azobenzene) (122-66-7)	X		X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
31B. Fluoranthene (206-44-0)	X		X	<0.0022	<0.38					1	mg/l	lb/day	<0.0022	<1.08	1
32B. Fluorene (86-73-7)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
33B. Hexachlorobenzene (118-74-1)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.0009	<0.16					1	mg/l	lb/day	<0.0009	<0.44	1
35B. Hexachlorocyclo-pentadiene (77-47-4)	X		X	<0.001	<0.17					1	mg/l	lb/day	<0.001	<0.49	1
36B. Hexachloroethane (67-72-1)	X		X	<0.0016	<0.28					1	mg/l	lb/day	<0.0016	<0.79	1
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.0037	<0.64					1	mg/l	lb/day	<0.0037	<1.82	1
38B. Isophorone (78-59-1)	X		X	<0.0022	<0.38					1	mg/l	lb/day	<0.0022	<1.08	1
39B. Naphthalene (91-20-3)	X		X	<0.0016	<0.28					1	mg/l	lb/day	<0.0016	<0.79	1
40B. Nitrobenzene (98-95-3)	X		X	<0.002	<0.35					1	mg/l	lb/day	<0.002	<0.98	1
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	<0.002	<0.35					1	mg/l	lb/day	<0.002	<0.98	1

CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro- sodiphenylamine (86-30-6)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
44B. Phenanthrene (85-01-8)	X		X	<0.0054	<0.93					1	mg/l	lb/day	<0.0054	<2.65	1
45B. Pyrene (129-00-0)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	X		X	<0.0019	<0.33					1	mg/l	lb/day	<0.0019	<0.93	1
GC/MS FRACTION — PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
2P. α -BHC (319-84-6)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
3P. β -BHC (319-85-7)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
4P. γ -BHC (58-89-9)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
5P. δ -BHC (319-86-8)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
6P. Chlordane (57-74-9)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
7P. 4,4'-DDT (50-29-3)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
8P. 4,4'-DDE (72-55-9)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
9P. 4,4'-DDD (72-54-8)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
10P. Dieldrin (60-57-1)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
11P. α -Endosulfan (115-29-7)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
12P. β -Endosulfan (115-29-7)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
13P. Endosulfan Sulfate (1031-07-8)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
14P. Endrin (72-20-8)			X	<0.001	<0.17					1	mg/l	lb/day	<0.001	<0.49	1
15P. Endrin Aldehyde (7421-93-4)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
16P. Heptachlor (76-44-8)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1

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EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
GA0004120	01

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OMB No. 2040-0086
Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1
18P. PCB-1242 (53469-21-9)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
19P. PCB-1254 (11097-69-1)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
20P. PCB-1221 (11104-28-2)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
21P. PCB-1232 (11141-16-5)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
22P. PCB-1248 (12672-29-6)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
23P. PCB-1260 (11096-82-5)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
24P. PCB-1016 (12674-11-2)			X	<0.005	<0.86					1	mg/l	lb/day	<0.005	<2.46	1
25P. Toxaphene (8001-35-2)			X	<0.003	<0.52					1	mg/l	lb/day	<0.003	<1.47	1

EPA FORM 2C SECTION V

**Intake and Effluent Characteristics
Consolidated Permits Program**

**Edwin I. Hatch Nuclear Plant
NPDES No. GA0004120**

Unit 2 Effluent

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

GA0004120

Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL
NO.
02

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	4	437.2					1	mg/l	lb/day	1	491.3	1
b. Chemical Oxygen Demand (COD)	28	3060.4					1	mg/l	lb/day	14	6878.2	1
c. Total Organic Carbon (TOC)	8.72	953.1					1	mg/l	lb/day	3.06	1503.4	1
d. Total Suspended Solids (TSS)	28	3060.4					1	mg/l	lb/day	10	4913.0	1
e. Ammonia (as N)	1.16	126.8					1	mg/l	lb/day	0.05	24.6	1
f. Flow	VALUE 9,092		VALUE		VALUE		3	gpm		VALUE 40,882		36
g. Temperature (winter)	VALUE 28		VALUE 24		VALUE 22		39	°C		VALUE 11		USGS Data
h. Temperature (summer)	VALUE 36		VALUE 34		VALUE 31		39	°C		28		USGS Data
i. pH	MINIMUM 7.1	MAXIMUM 8.7	MINIMUM 7.5	MAXIMUM 8.6			158	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data for an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLU-TANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Bel-ieved Present	b. Bel-ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YESES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
			(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
a. Bromide (24959-67-9)	X		<0.02	<2.19					1	mg/l	lb/day	<0.02	<9.83	1
b. Chlorine, Total Residual	X		0.90	98.37	0.14	15.30	<0.01	<1.09	177	mg/l	lb/day	<0.01	<4.91	1
c. Color	X		10	1093.0					1	PCU		9		1
d. Fecal Coliform	X		6	655.8					1	col/100 ml		2		1
e. Fluoride (16984-48-8)	X		0.42	45.91					1	mg/l	lb/day	0.18	88.43	1
f. Nitrate-Nitrite (as N)	X		1.73	189.1					1	mg/l	lb/day	0.60	294.8	1

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Believed	b. Believed	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	Present	Absent	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.15	16.40					1	mg/l	lb/day	0.090	44.22	1
h. Oil and Grease	X		1.3	142.1					1	mg/l	lb/day	2.7	1326.5	1
I. Phosphorus (as P) Total (7723-14-0)	X		0.14	15.30					1	mg/l	lb/day	0.12	58.96	1
J. Radioactivity														
(1) Alpha, Total	X		<1.3						1	pCi/L		1.2		1
(2) Beta, Total	X		7.1						1	pCi/L		2.9		1
(3) Radium, Total	X		<1.1						1	pCi/L		2.7		1
(4) Radium 226, Total	X		0.2						1	pCi/L		0.3		1
k. Sulfate (as SO ₄) (14808-79-8)	X		52.6	5749.2					1	mg/l	lb/day	15.2	7467.8	1
l. Sulfide (as SO ₃) (14265-45-3)		X	0.05	5.47					1	mg/l	lb/day	<0.01	<4.91	1
m. Sulfite (as SO ₃) (14265-45-3)	X		<0.25	<27.33					1	mg/l	lb/day	<0.25	<122.8	1
n. Surfactants	X		0.02	2.19					1	mg/l	lb/day	0.02	9.83	1
o. Aluminum, Total (7440-39-3)	X		3.95	431.7					1	mg/l	lb/day	0.745	366.0	1
p. Barium, Total (7440-39-3)		X	0.099	10.82					1	mg/l	lb/day	0.032	15.72	1
q. Boron, Total (7440-42-8)		X	0.093	10.16					1	mg/l	lb/day	0.035	17.20	1
r. Cobalt, Total (7440-48-4)		X	<0.004	<0.44					1	mg/l	lb/day	<0.004	<1.97	1
s. Iron, Total (7439-89-6)	X		4.92	537.8					1	mg/l	lb/day	0.968	475.6	1
t. Magnesium, Total (7439-95-4)	X		5.64	616.5					1	mg/l	lb/day	2.08	1021.9	1
u. Molybdenum, Total (7439-98-7)	X		<0.01	<1.09					1	mg/l	lb/day	<0.01	<4.91	1
v. Manganese, Total (7439-96-5)	X		0.495	54.10					1	mg/l	lb/day	0.108	53.06	1
w. Tin, Total (7440-31-5)		X	<0.002	<0.22					1	mg/l	lb/day	<0.002	<0.98	1
x. Titanium, Total (7440-32-6)	X		0.156	17.05					1	mg/l	lb/day	0.029	14.25	1

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for the pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. Test- ing	b. Bel- ieved	b. Bel- ieved	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
	Required	Present	Absent	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X		X	<0.012	<1.31					1	mg/l	lb/day	<0.012	<5.90	1
2M. Arsenic, Total (7440-38-2)	X		X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<2.46	1
3M. Beryllium, Total, 7440-41-7	X		X	<0.001	<0.11					1	mg/l	lb/day	<0.001	<0.49	1
4M. Cadmium, Total (7440-43-9)	X		X	<0.002	<0.22					1	mg/l	lb/day	<0.002	<0.98	1
5M. Chromium Total (7440-47-3)	X		X	0.004	0.44					1	mg/l	lb/day	0.001	0.49	1
6M. Copper, Total (7440-50-8)	X	X		0.023	2.51					1	mg/l	lb/day	<0.005	<2.46	1
7M. Lead, Total (7439-92-1)	X	X		0.010	1.09					1	mg/l	lb/day	<0.004	<1.97	1
8M. Mercury, Total (7439-97-6)	X		X	<0.0002	<0.02					1	mg/l	lb/day	<0.0002	<0.10	1
9M. Nickel, Total (7440-02-0)	X		X	<0.004	<0.44					1	mg/l	lb/day	<0.004	<1.97	1
10M. Selenium, Total (7782-49-2)	X		X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<2.46	1
11M. Silver, Total (7440-22-4)	X		X	<0.006	<0.66					1	mg/l	lb/day	<0.006	<2.95	1
12M. Thallium, Total (7440-28-0)	X		X	<0.007	<0.77					1	mg/l	lb/day	<0.007	<3.44	1
13M. Zinc, Total (7440-66-6)	X	X		0.052	5.68					1	mg/l	lb/day	0.017	8.35	1
14M. Cyanide, Total (57-12-5)	X		X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<2.46	1
15M. Phenols, Total	X		X	<0.01	<1.09					1	mg/l	lb/day	<0.01	<4.91	1
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1V. Acrolein (107-02-8)	X		X	<0.002	<0.22					1	mg/l	lb/day	<0.002	<0.98	1
2V. Acrylonitrile (107-13-1)	X		X	<0.001	<0.11					1	mg/l	lb/day	<0.001	<0.49	1
3V. Benzene (71-43-2)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
4V. Bis(Chloromethyl) Ether (542-88-1)			X							0	mg/l	lb/day			0
5V. Bromoform (75-25-2)	X		X	<0.0030	<0.33					1	mg/l	lb/day	<0.0030	<1.47	1
6V. Carbon Tetrachloride(56-23-5)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
7V. Chlorobenzene (108-90-7)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
8V. Chlorodibromo- methane (124-48-1)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
9V. Chloroethane (75-00-3)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
11V. Chloroform (67-66-3)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
12V. Dichlorobromo- methane (75-71-8)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
13V. Dichlorodifluoro- methane (75-71-8)			X							0	mg/l	lb/day			0
14V. 1,1-Dichloro- ethane (75-34-3)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
15V. 1,2-Dichloro- ethane (107-06-2)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
16V. 1,1-Dichloro- ethylene (75-35-4)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
17V. 1,2-Dichloro- propane (78-87-5)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
18V. 1,3-Dichloro- propylene (542-75-6)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
19V. Ethylbenzene (100-41-4)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
20V. Methyl Bromide (74-83-9)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
21V. Methyl Chloride (74-87-3)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test-ing Required	b. Bel-ieved Present	b. Bel-ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS	(1) CONCEN-TRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS	
GC/MS FRACTION — VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
23V. 1,1,1,2-Tetra-chloroethane (79-34-5)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
24V. Tetrachloroethylene (127-18-4)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
25V. Toluene (108-88-3)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
27V. 1,1,1-Trichloroethane (71-56-6)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
28V. 1,1,2-Trichloroethane (79-00-5)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
29V. Trichloroethylene (79-01-6)	X		X	<0.0020	<0.22					1	mg/l	lb/day	<0.0020	<0.98	1
30V. Trichlorofluoro-methane (75-69-4)			X							0	mg/l	lb/day			0
31V. Vinyl Chloride (75-01-4)	X		X	<0.0010	<0.11					1	mg/l	lb/day	<0.0010	<0.49	1
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.0033	<0.36					1	mg/l	lb/day	<0.0033	<1.62	1
2A. 2,4-Dichlorophenol (120-83-2)	X		X	<0.0027	<0.30					1	mg/l	lb/day	<0.0027	<1.33	1
3A. 2,4-Dimethylphenol (105-67-9)	X		X	<0.0027	<0.30					1	mg/l	lb/day	<0.0027	<1.33	1
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.024	<2.62					1	mg/l	lb/day	<0.024	<11.79	1
5A. 2,4-Dinitrophenol (51-28-5)	X		X	<0.042	<4.59					1	mg/l	lb/day	<0.042	<20.63	1
6A. 2-Nitrophenol (88-75-5)	X		X	<0.0036	<0.39					1	mg/l	lb/day	<0.0036	<1.77	1
7A. 4-Nitrophenol (100-02-7)	X		X	<0.0024	<0.26					1	mg/l	lb/day	<0.0024	<1.18	1
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.0030	<0.33					1	mg/l	lb/day	<0.0030	<1.47	1
9A. Pentachlorophenol (87-86-5)	X		X	<0.0036	<0.39					1	mg/l	lb/day	<0.0036	<1.77	1
10A. Phenol (108-95-2)	X		X	<0.0015	<0.16					1	mg/l	lb/day	<0.0015	<0.74	1
11A. 2,4,6-Trichloro-phenol (88-06-2)	X		X	<0.0027	<0.30					1	mg/l	lb/day	<0.0027	<1.33	1

CONTINUED FROM FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing	b. Bel- ieved	b. Bel- ieved	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
	Required	Present	Absent	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
2B. Acenaphthylene (208-96-8)	X		X	<0.0035	<0.38					1	mg/l	lb/day	<0.0035	<1.72	1
3B. Anthracene (120-12-7)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
4B. Benzidine (92-87-5)	X		X	<0.044	<4.81					1	mg/l	lb/day	<0.044	<21.62	1
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.0078	<0.85					1	mg/l	lb/day	<0.0078	<3.83	1
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
7B. 3,4-Benzo-fluoranthene (205-99-2)	X		X	<0.0048	<0.52					1	mg/l	lb/day	<0.0048	<2.36	1
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.0041	<0.45					1	mg/l	lb/day	<0.0041	<2.01	1
9B. Benzo (k)Fluoranthene (207-08-9)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X		X	<0.0053	<0.58					1	mg/l	lb/day	<0.0053	<2.61	1
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X		X	<0.0057	<0.62					1	mg/l	lb/day	<0.0057	<2.80	1
12B. Bis (2-Chloro-isopropyl) Ether (102-60-1)	X		X	<0.0057	<0.62					1	mg/l	lb/day	<0.0057	<2.80	1
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X		X	0.0223	2.44					1	mg/l	lb/day	<0.0025	<1.23	1
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
16B. 2-Chloronaphthalene (91-58-7)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X		X	<0.0042	<0.46					1	mg/l	lb/day	<0.0042	<2.06	1
18B. Chrysene (218-01-9)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
20B. 1,2-Dichloro-benzene (95-50-1)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
21B. 1,3-Dichloro-benzene (541-73-1)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.0044	<0.48					1	mg/l	lb/day	<0.0044	<2.16	1
23B. 3,3-Dichlorobenzidine (91-94-1)	X		X	<0.0165	<1.80					1	mg/l	lb/day	<0.0165	<8.11	1
24B. Diethyl Phthalate (84-66-2)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.0016	<0.17					1	mg/l	lb/day	<0.0016	<0.79	1
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.0057	<0.62					1	mg/l	lb/day	<0.0057	<2.80	1
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
29B. Di-N-OctylPhthalate (117-84-0)	X		X	<0.0025	<0.27					1	mg/l	lb/day	<0.0025	<1.23	1
30B. 1,2-Diphenyl-hydrazine (as Azobenzene) (122-66-7)	X		X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
31B. Fluoranthene (206-44-0)	X		X	<0.0022	<0.24					1	mg/l	lb/day	<0.0022	<1.08	1
32B. Fluorene (86-73-7)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
33B. Hexachlorobenzene (118-74-1)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.0009	<0.10					1	mg/l	lb/day	<0.0009	<0.44	1
35B. Hexachlorocyclo-pentadiene (77-47-4)	X		X	<0.001	<0.11					1	mg/l	lb/day	<0.001	<0.49	1
36B. Hexachloroethane (67-72-1)	X		X	<0.0016	<0.17					1	mg/l	lb/day	<0.0016	<0.79	1
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.0037	<0.40					1	mg/l	lb/day	<0.0037	<1.82	1
38B. Isophorone (78-59-1)	X		X	<0.0022	<0.24					1	mg/l	lb/day	<0.0022	<1.08	1
39B. Naphthalene (91-20-3)	X		X	<0.0016	<0.17					1	mg/l	lb/day	<0.0016	<0.79	1
40B. Nitrobenzene (98-95-3)	X		X	<0.002	<0.22					1	mg/l	lb/day	<0.002	<0.98	1
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	<0.002	<0.22					1	mg/l	lb/day	<0.002	<0.98	1

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVR. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro- sodiphenylamine (86-30-6)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
44B. Phenanthrene (85-01-8)	X		X	<0.0054	<0.59					1	mg/l	lb/day	<0.0054	<2.65	1
45B. Pyrene (129-00-0)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	X		X	<0.0019	<0.21					1	mg/l	lb/day	<0.0019	<0.93	1
GC/MS FRACTION — PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
2P. α -BHC (319-84-6)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
3P. β -BHC (319-85-7)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
4P. γ -BHC (58-89-9)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
5P. δ -BHC (319-86-8)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
6P. Chlordane (57-74-9)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
7P. 4,4'-DDT (50-29-3)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
8P. 4,4'-DDE (72-55-9)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
9P. 4,4'-DDD (72-54-8)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
10P. Dieldrin (60-57-1)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
11P. α -Endosulfan (115-29-7)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
12P. β -Endosulfan (115-29-7)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
13P. Endosulfan Sulfate (1031-07-8)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
14P. Endrin (72-20-8)			X	<0.001	<0.11					1	mg/l	lb/day	<0.001	<0.49	1
15P. Endrin Aldehyde (7421-93-4)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1
16P. Heptachlor (76-44-8)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<1.47	1

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EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
GA0004120	02

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1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. Test- ing Required	b. Bel- ieved Present	b. Bel- ieved Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANAL- YSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION — PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<0.003	1
18P. PCB-1242 (53469-21-9)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
19P. PCB-1254 (11097-69-1)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
20P. PCB-1221 (11104-28-2)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
21P. PCB-1232 (11141-16-5)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
22P. PCB-1248 (12672-29-6)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
23P. PCB-1260 (11096-82-5)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
24P. PCB-1016 (12674-11-2)			X	<0.005	<0.55					1	mg/l	lb/day	<0.005	<0.005	1
25P. Toxaphene (8001-35-2)			X	<0.003	<0.33					1	mg/l	lb/day	<0.003	<0.003	1