

**Southern Nuclear  
Operating Company, Inc.**

40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201-1295

Tel 205.992.5000

January 6, 2012

Docket Nos.: 50-321  
50-366



U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant  
NPDES Permit Renewal

Ladies and Gentlemen:

In accordance with the Environmental Protection Plan, Appendix B to Facility Operating License Numbers DPR-57 and NPF-5, Section 3.2, Southern Nuclear Operating Company hereby submits for your information a copy of the renewal application for National Pollutant Discharge Elimination System (NPDES) permit number GA0004120, issued by the Georgia Environmental Protection Division.

This letter contains no NRC commitments. If you have any questions, please contact Jack Stringfellow at (205) 992-7037.

Respectfully submitted,

  
M. J. Ajluni  
Nuclear Licensing Director

MJA/GAL/lac

Enclosure: Renewal Application for National Pollutant Discharge Elimination System (NPDES) Permit Number GA0004120

cc: Southern Nuclear Operating Company  
Mr. S. E. Kuczynski, Chairman, President & CEO  
Mr. D. G. Bost, Chief Nuclear Officer  
Mr. D. R. Madison, Vice President – Hatch  
Ms. P. M. Marino, Vice President – Engineering  
Mr. B. L. Ivey, Vice President – Regulatory Affairs  
RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission  
Mr. V. M. McCree, Regional Administrator  
Mr. P. G. Boyle, NRR Senior Project Manager - Hatch  
Mr. E. D. Morris, Senior Resident Inspector – Hatch

Edwin I. Hatch Nuclear Plant  
NPDES Permit Renewal

Enclosure

Renewal Application for National Pollutant Discharge Elimination System  
(NPDES) Permit Number GA0004120

**Southern Nuclear  
Operating Company, Inc.**  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201



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Log: EV-11-2547

FEDERAL EXPRESS

E. I. Hatch Nuclear Plant  
NPDES Permit No. GA0004120, Renewal Application

Ms. Jane Hendricks  
Program Manager  
Wastewater Regulatory Program  
Environmental Protection Division  
4220 International Parkway, Suite 101  
Atlanta, Georgia 30354

Dear Ms. Hendricks:

Enclosed is the NPDES Permit renewal application package for E. I. Hatch Nuclear Plant (HNP). The renewal package contains the completed EPA Forms 3510-1 and 3510-2C.

If you have any questions or require additional information regarding the enclosed renewal application package for HNP, please contact Mary Beth Lloyd at (205) 992-5062.

Sincerely,

A handwritten signature in black ink, appearing to read "T.C. Moorer".

Thomas C. Moorer  
Manager, Environmental Affairs, Chemistry and Radiological Services

TCM/MBL/GDE:ahl

Enclosure

cc: Mr. Darrell Crosby, District Manager, EPD Coastal District Office

EV-11-2547  
Ms. Jane Hendricks  
State of Georgia Environmental Protection Division  
Page Two

bcc: B. J. Adams  
D. R. Madison  
W. L. Bargeron  
T. D. Blalock  
V. M. Coleman  
B. K. Feimster  
SNC Document Management – Hatch RType CHA02.003

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**Application for Permit Renewal**

**NPDES Permit No. GA0004120**

**Edwin I. Hatch Nuclear Plant**

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**EPA FORM 1 GENERAL**

**General Information  
Consolidated Permits Program**

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

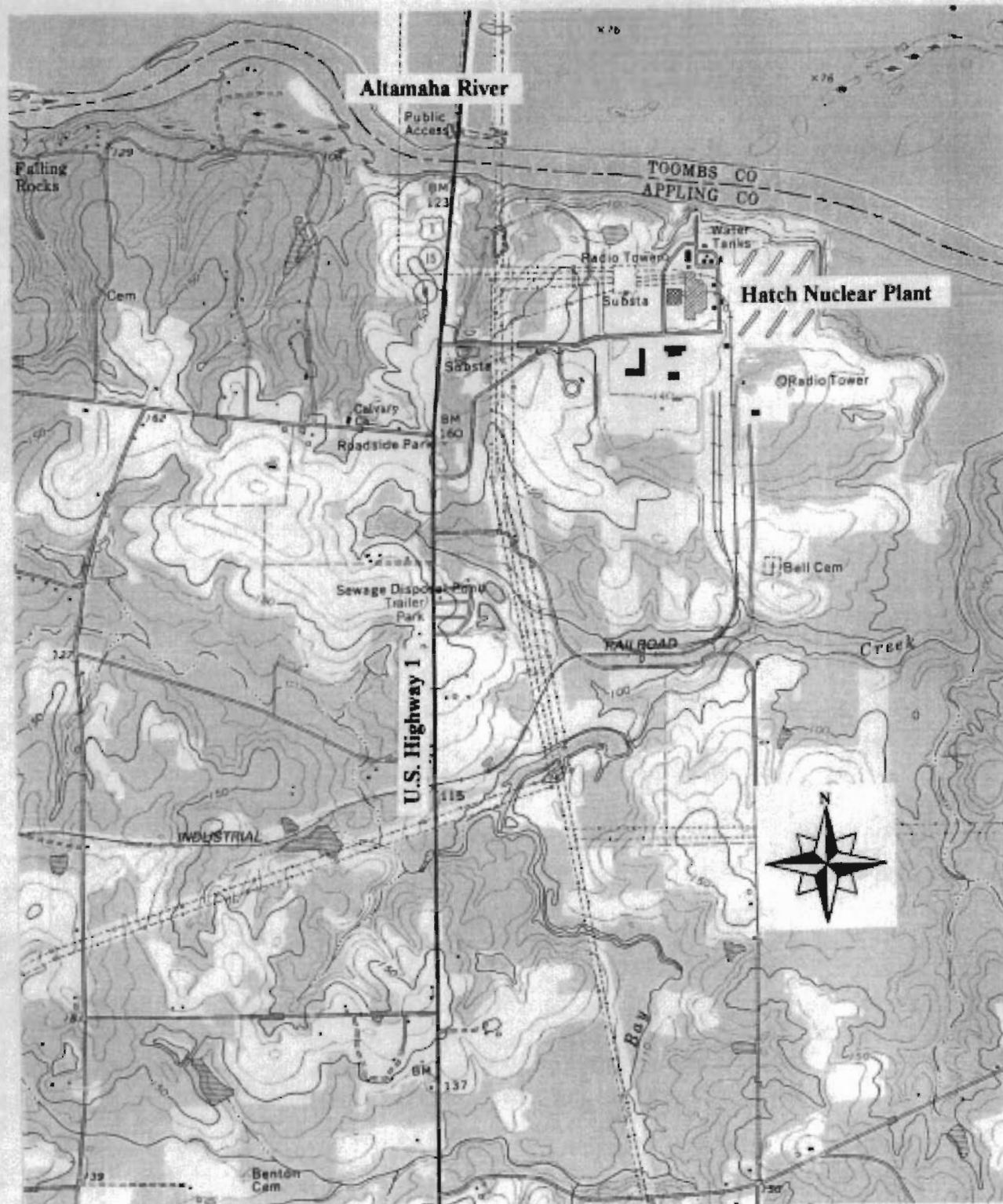
(fill-in areas are spaced for elite type, i.e. 12 characters/inch).

Form Approved. OMB No. 2040-0086. Approval expires 5-31-92

|   |  |  |   |          |  |  |  |                |   |                |                |
|---|--|--|---|----------|--|--|--|----------------|---|----------------|----------------|
| <b>FORM 1</b><br><b>GENERAL</b>   |  | <b>U. S. ENVIRONMENTAL PROTECTION AGENCY</b><br><b>GENERAL INFORMATION</b><br><i>Consolidated Permits Program</i><br><i>(Read the "General Instructions" before starting.)</i> |   |          | <b>EPA I.D. NUMBER</b><br>F G A 0 0 0 4 1 2 0  |  |  |                |   | 13<br>14<br>15 | 16<br>17<br>18 |
| <b>LABEL ITEMS</b><br>I. EPA I.D. NUMBER<br>III. FACILITY NAME<br>V. FACILITY MAILING ADDRESS<br>VI. FACILITY LOCATION  |  | PLEASE PLACE LABEL IN THIS SPACE   |   |          | <b>GENERAL INSTRUCTIONS</b><br>If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data is absent (the area to the left of the label space list the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected. |  |  |                |   |                |                |
|   |  |  |   |          |  |  |  |                |   |                |                |
| <b>II. POLLUTANT CHARACTERISTICS</b><br>INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms. |  |  |   |          |  |  |  |                |   |                |                |
| <b>SPECIFIC QUESTIONS</b>   |  |  | <b>MARK "X"</b><br>YES NO FORM ATTACHED |          |  | <b>SPECIFIC QUESTIONS</b>  |  |                | <b>MARK "X"</b><br>YES NO FORM ATTACHED |                |                |
| A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)  |  |  | X                                       |          |  | B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)  |  |                | X                                       |                |                |
| C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)   |  |  | X                                       |          |  | D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)  |  |                | X                                       |                |                |
| E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)  |  |  | X                                       |          |  | F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)   |  |                | X                                       |                |                |
| G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)  |  |  | X                                       |          |  | H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)  |  |                | X                                       |                |                |
| I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)  |  |  | X                                       |          |  | J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) |  |                | X                                       |                |                |
| <b>III. NAME OF FACILITY</b>  |  |  |   |          |  |  |  |                |   |                |                |
| 1 SKIP Hatch Nuclear Plant  |  |  |   |          |  |  |  |                |   |                |                |
| <b>IV. FACILITY CONTACT</b>   |  |  |   |          |  |  |  |                |   |                |                |
| A. NAME & TITLE (last, first, & title)  |  |  |   |          |  | B. PHONE (area code & no.)   |  |                |   |                |                |
| 2 Thomas C. Moorer, Env Affrs, Chem, & Rad Svcs Mgr   |  |  |   |          |  | 205 992 5807   |  |                |   |                |                |
| <b>V. FACILITY MAILING ADDRESS</b>  |  |  |   |          |  |  |  |                |   |                |                |
| A. STREET OR P.O. BOX   |  |  |   |          |  |  |  |                |   |                |                |
| 3 P.O. Box1295  |  |  |   |          |  |  |  |                |   |                |                |
| B. CITY OR TOWN   |  |  |   | C. STATE |  | D. ZIP CODE  |  |                |   |                |                |
| 4 Birmingham  |  |  |   | AL       |  | 35201  |  |                |   |                |                |
| <b>VI. FACILITY LOCATION</b>  |  |  |   |          |  |  |  |                |   |                |                |
| A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER   |  |  |   |          |  |  |  |                |   |                |                |
| 5 11028 Hatch Parkway North   |  |  |   |          |  |  |  |                |   |                |                |
| B. COUNTY NAME  |  |  |   |          |  |  |  |                |   |                |                |
| Appling   |  |  |   |          |  |  |  |                |   |                |                |
| C. CITY OR TOWN   |  |  |   | D. STATE |  | E. ZIP CODE  |  | F. COUNTY CODE |   |                |                |
| 6 Baxley  |  |  |   | GA       |  | 31513  |  | N/A            |   |                |                |

|   |    |  |    |             |    |  |   |             |                |   |  |       |    |
|---|----|--|----|-------------|----|--|---|-------------|----------------|---|--|-------|----|
| VII. SIC CODES (4-digit, in order of priority)  |    |  |    |             |    |  |   |             |                |   |  |       |    |
| A. FIRST  |    |  |    |             |    | B. SECOND                                    |   |             |                |   |  |       |    |
| C   | 7  | 15                                       | 16 | 18          | 19 | C  | 7 | 15          | 16             | 18  | 19   |       |    |
| (specify)<br>4911 Generation of Electricity   |    |  |    |             |    | (specify)<br>N/A                             |   |             |                |   |  |       |    |
| C. THIRD  |    |  |    |             |    | D. FOURTH                                    |   |             |                |   |  |       |    |
| C   | 7  | 15                                       | 16 | 18          | 19 | C  | 7 | 15          | 16             | 18  | 19   |       |    |
| (specify)<br>N/A  |    |  |    |             |    | (specify)<br>N/A                             |   |             |                |   |  |       |    |
| VIII. OPERATOR INFORMATION  |    |  |    |             |    |  |   |             |                |   |  |       |    |
| A. NAME   |    |  |    |             |    |  |   |             |                | B. Is the name listed in Item VIII-A also the owner?  |  |       |    |
| C   | 8  | 15                                       | 16 | 18          | 19 | Southern Nuclear Operating Company           |   |             |                |   | <input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO |       |    |
| C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)  |    |  |    |             |    | D. PHONE (area code & no.)                   |   |             |                |   |  |       |    |
| F = FEDERAL   |    | M = PUBLIC (other than federal or state) |    | P (specify) |    | C A  |   | 205         |                | 992   |  | 5000  |    |
| S = STATE   |    | O = OTHER (specify)                      |    | 56          |    | 15   |   | 16 18       |                | 19 21   |  | 22 25 |    |
| P = PRIVATE   |    | E. STREET OR P.O. BOX                    |    |             |    |  |   |             |                |   |  |       |    |
| P.O. Box 1295   |    |  |    |             |    |  |   |             |                |   |  |       |    |
| F. CITY OR TOWN   |    |  |    |             |    | G. STATE                                     |   | H. ZIP CODE |                | I. INDIAN LAND  |  |       |    |
| C   | B  | 15                                       | 16 | 18          | 40 | AL   |   | 35201       |                | Is the facility located on Indian lands?<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |  |       |    |
| X. EXISTING ENVIRONMENTAL PERMITS   |    |  |    |             |    |  |   |             |                |   |  |       |    |
| A. NPDES (Discharges to Surface Water)  |    |  |    |             |    | D. PSD (Air Emissions from Proposed Sources) |   |             |                |   |  |       |    |
| C   | T  | I  | 15 | 16          | 17 | 18   | C | T           | I              | 15  | 16   | 17    | 18 |
| S N<br>GA0004120  |    |  |    |             |    | B P<br>N/A                                   |   |             |                |   |  |       |    |
| B. UIC (Underground Injection of Fluids)  |    |  |    |             |    | E. OTHER (specify)                           |   |             |                |   |  |       |    |
| C   | T  | I  | 15 | 16          | 17 | 18   | C | T           | I              | 15  | 16   | 17    | 18 |
| S U<br>N/A  |    |  |    |             |    | B<br>See Attached (specify)                  |   |             |                |   |  |       |    |
| C. RCRA (Hazardous Wastes)  |    |  |    |             |    | E. OTHER (specify)                           |   |             |                |   |  |       |    |
| C   | T  | I  | 15 | 16          | 17 | 18   | C | T           | I              | 15  | 16   | 17    | 18 |
| S R<br>N/A  |    |  |    |             |    | 9<br>N/A (specify)                           |   |             |                |   |  |       |    |
| XI. MAP   |    |  |    |             |    |  |   |             |                |   |  |       |    |
| Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. |    |  |    |             |    |  |   |             |                |   |  |       |    |
| XII. NATURE OF BUSINESS (provide a brief description)   |    |  |    |             |    |  |   |             |                |   |  |       |    |
| Generation of electricity through the use of nuclear fuel. Plant Hatch is jointly owned by Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia.   |    |  |    |             |    |  |   |             |                |   |  |       |    |
| XIII. CERTIFICATION (see instructions)  |    |  |    |             |    |  |   |             |                |   |  |       |    |
| I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.           |    |  |    |             |    |  |   |             |                |   |  |       |    |
| A. NAME & OFFICIAL TITLE (type or print)  |    |  |    |             |    | B. SIGNATURE                                 |   |             | C. DATE SIGNED |   |  |       |    |
| Bradley J. Adams, VP - Fleet Operations   |    |  |    |             |    | <i>Bradley J Adams</i>                       |   |             | 12-29-11       |   |  |       |    |
| COMMENTS FOR OFFICIAL USE ONLY  |    |  |    |             |    |  |   |             |                |   |  |       |    |
| C   | 15 | 16                                       | 18 | 19          |    |  |   |             |                |   |  |       |    |





**EDWIN I. HATCH NUCLEAR PLANT  
GENERAL TOPOGRAPHIC MAP**

**Form 1, Attachment 1**  
**Item X.E. Other Existing Environmental Permits**

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| <u>Permit</u>  | <u>Permit Number</u>                             |
|--|--|
| Title V Part 70 Operating Permit .....                     | 4911-001-0001-V-03-0                             |
| Surface Water Withdrawal.....                              | 001-0690-01                                      |
| Drinking Water .....                                       | PG0010005 (Plant)<br>NG0010011 (Recreation Area) |
| Groundwater Withdrawal.....                                | 001-0001   |
| Dredging .....   | 940003873 (Intake Maintenance)                   |
| Solid Waste Handling .....                                 | 001-004D(L)(I)                                   |
| NPDES General Stormwater Permit .....                      | GAR000000  |
| Hazardous Materials Certificate of Registration (DOT)..... | 060811 551 009T                                  |
| NPDES Construction Stormwater Permit.....                  | GAR100001  |

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**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

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

**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.<br><i>(list)</i> | B. LATITUDE |         |         | C. LONGITUDE |         |         | D. RECEIVING WATER <i>(name)</i>  |
|---------------------------------|-------------|---------|---------|--------------|---------|---------|---|
|                                 | 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.<br><i>(list)</i> | 2. OPERATION (S) CONTRIBUTING FLOW                                     |   | 3. TREATMENT    |                               |        |
|---------------------------------|--|---|-----------------|-------------------------------|--------|
|                                 | a. OPERATION <i>(list)</i>   | b. AVERAGE FLOW<br><i>(include units)</i> | 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                                    | 13,500 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                            |        |
| 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?  
 YES (complete the following table)  NO (go to Section III)

| 1. OUTFALL NUMBER (list) | 2. OPERATION(S) CONTRIBUTING FLOW (list)   | 3. FREQUENCY                       |                                      | 4. FLOW               |                  |                                      |                  | c. DURATION (in days) |
|--------------------------|--|------------------------------------|--------------------------------------|-----------------------|------------------|--------------------------------------|------------------|-----------------------|
|                          |  | a. DAYS PER WEEK (specify average) | b. MONTHS PER YEAR (specify average) | a. FLOW RATE (in mgd) |                  | b. TOTAL VOLUME (specify with units) |                  |                       |
|                          |  |                                    |                                      | 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?  
 YES (complete Item III-B)  NO (go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  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.  
 YES (complete the following table)  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.

MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAM IS ATTACHED

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

GA0004120

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

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**

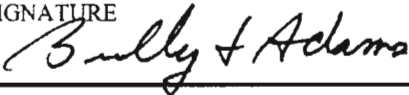
Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

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<br>(area code & no.) | D. POLLUTANTS ANALYZED<br>(list)           |
|--|---|-----------------------------------|--|
| Alabama Power Company<br>General Test Laboratory | P.O. Box 2641<br>Birmingham, AL 35291               | (205) 664-6182                    | All except Radiological and Fecal Coliform |
| Florida Radiochemistry<br>Services, Inc.         | 5456 Hoffner Ave.<br>Suite 201<br>Orlando, FL 32812 | (407) 382-7733                    | Radiological                               |
| ESG Operations, Inc.                             | 6400 Peake Road<br>Macon, Georgia 31210             | (478) 474-5025                    | Fecal Coliform                             |

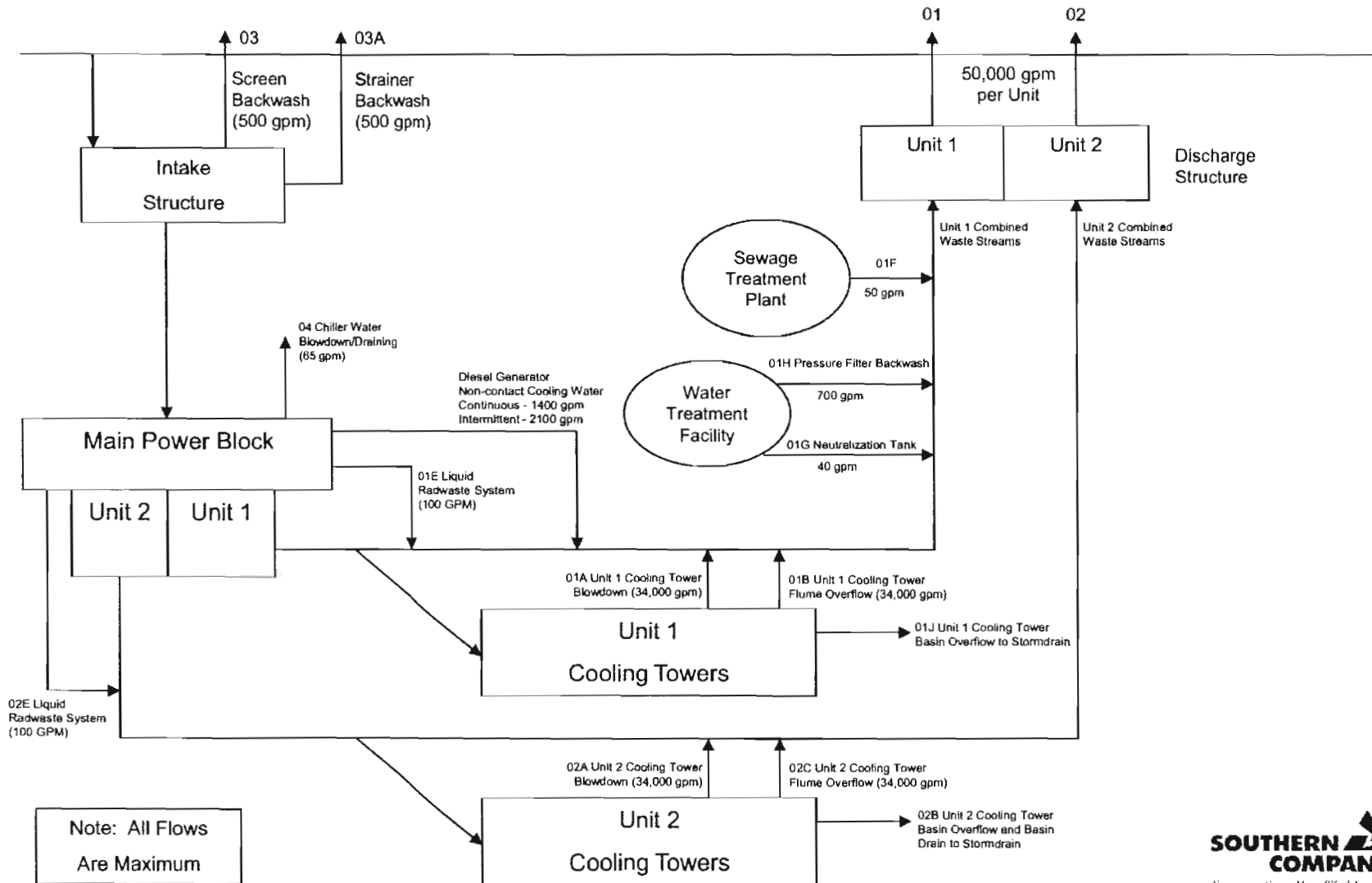
**IX. CERTIFICATION**

*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.) |
| Bradley J. Adams, VP – Fleet Operations   | (205) 992-5000                 |
| C. SIGNATURE<br> | D. DATE SIGNED<br>12-29-11     |

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

ALTAMAHA RIVER



Note: All Flows  
 Are Maximum



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

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| <b><u>Outfall</u></b>                                     | <b><u>Description of Flow</u></b>   |
|---|---|
| 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 (Neutralization Tank)              | Discharge from the water purification process occurs on a batch basis. The frequency of release is dependent on operation of the water treatment plant. Average flow is 35 gpm (40 gpm maximum); duration of discharge is normally 12 hours per day.  |
| 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. |
| 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**

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| <u>Outfall</u>  | <u>Description of Flow</u>  |
|---|---|
| 02B – Unit 2 Cooling Tower Basin Overflow and Basin Drain 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 to control corrosion. 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. |

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**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<br>(specify if blank) |                   | 4. INTAKE (optional) |                            |          |                    |
|------------------------------------|------------------------|----------------|---|----------------|--|----------|--------------------------------|-------------------|----------------------|----------------------------|----------|--------------------|
|                                    | a. MAXIMUM DAILY VALUE |                | b. MAXIMUM 30 DAY VALUE<br>(if available) |                | c. LONG TERM AVRG. VALUE<br>(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) | 3                      | 557.2          |   |                |  |          | 1                              | mg/l              | lb/day               | <2                         | <991     | 1                  |
| b. Chemical Oxygen Demand (COD)    | 22                     | 4,086.1        |   |                |  |          | 1                              | mg/l              | lb/day               | 9                          | 5,948    | 1                  |
| c. Total Organic Carbon (TOC)      | 7.42                   | 1,378.1        |   |                |  |          | 1                              | mg/l              | lb/day               | 3.5                        | 1,735    | 1                  |
| d. Total Suspended Solids (TSS)    | 30                     | 5,572          |   |                |  |          | 1                              | mg/l              | lb/day               | 157                        | 77,817   | 1                  |
| e. Ammonia (as N)                  | 0.43                   | 79.86          |   |                |  |          | 1                              | mg/l              | lb/day               | 0.07                       | 34.70    | 1                  |
| f. Flow                            | VALUE<br>15,464        |                | VALUE                                     |                | VALUE                                      |          | 3                              | gpm               |                      | VALUE<br>41,272            |          | 36                 |
| g. Temperature (winter)            | VALUE<br>27            |                | VALUE<br>23                               |                | VALUE<br>19                                |          | 36                             | °C                |                      | VALUE<br>10                |          | USGS Data          |
| h. Temperature (summer)            | VALUE<br>33            |                | VALUE<br>31                               |                | VALUE<br>30                                |          | 36                             | °C                |                      | 31                         |          | USGS Data          |
| i. pH                              | MINIMUM<br>6.9         | MAXIMUM<br>8.2 | MINIMUM<br>6.9                            | MAXIMUM<br>8.1 |  |          | 36                             | 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.<br><br>(if available) | 2. MARK 'X'             |                        | 3. EFFLUENT            |          |   |          |  |          | 4. UNITS             |                   | 5. INTAKE (optional) |                            |          |                      |
|---|-------------------------|------------------------|------------------------|----------|---|----------|--|----------|----------------------|-------------------|----------------------|----------------------------|----------|----------------------|
|   | a. Bel-ieved<br>Present | b. Bel-ieved<br>Absent | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE<br>(if available) |          | c. LONG TERM AVRG. VALUE<br>(if available) |          | d. NO. OF ANAL-YESES | a. CONCEN-TRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANAL-YESES |
|   |                         |                        | (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                       |                        | 0.030                  | 5.57     |   |          |  |          | 1                    | mg/l              | lb/day               | <0.03                      | 14.87    | 1                    |
| b. Chlorine, Total Residual                     | X                       |                        | <0.01                  | <1.86    |   |          |  |          | 1                    | mg/l              | lb/day               | <0.01                      | <4.96    | 1                    |
| c. Color  | X                       |                        | 30                     | --       |   |          |  |          | 1                    | PCU               |                      | 18                         | --       | 1                    |
| d. Fecal Coliform                               | X                       |                        | 6                      | --       |   |          |  |          | 1                    | col/100 ml        |                      | <1                         | --       | 1                    |
| e. Fluoride (16984-48-8)                        | X                       |                        | 0.30                   | 55.72    |   |          |  |          | 1                    | mg/l              | lb/day               | 0.14                       | 69.39    | 1                    |
| f. Nitrate-Nitrite (as N)                       | X                       |                        | 1.02                   | 189.45   |   |          |  |          | 1                    | mg/l              | lb/day               | 0.51                       | 252.78   | 1                    |

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO.<br>(if available)    | 2. MARK 'X'            |                       | 3. EFFLUENT            |           |   |          |  |          | 4. UNITS           |                   | 5. INTAKE (optional) |                            |           |                    |
|---|------------------------|-----------------------|------------------------|-----------|---|----------|--|----------|--------------------|-------------------|----------------------|----------------------------|-----------|--------------------|
|   | a. Believed<br>Present | b. Believed<br>Absent | a. MAXIMUM DAILY VALUE |           | b. MAXIMUM 30 DAY VALUE<br>(if available) |          | c. LONG TERM AVRG. VALUE<br>(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                      |                       | 0.52                   | 96.58     |   |          |  |          | 1                  | mg/l              | lb/day               | 0.12                       | 59.48     | 1                  |
| h. Oil and Grease                             | X                      |                       | <1.4                   | <260.0    |   |          |  |          | 1                  | mg/l              | lb/day               | <1.4                       | <693.9    | 1                  |
| I. Phosphorus (as P) Total (7723-14-0)        | X                      |                       | 0.73                   | 135.58    |   |          |  |          | 1                  | mg/l              | lb/day               | 0.17                       | 84.26     | 1                  |
| J. Radioactivity                              |                        |                       |                        |           |   |          |  |          |                    |                   |                      |                            |           |                    |
| (1) Alpha, Total                              | X                      |                       | <1.4                   | --        |   |          |  |          | 1                  | pCi/L             |                      | <1.1                       | --        | 1                  |
| (2) Beta, Total                               | X                      |                       | 5.5                    | --        |   |          |  |          | 1                  | pCi/L             |                      | 2.6                        | --        | 1                  |
| (3) Radium, Total                             | X                      |                       | 0.2                    | --        |   |          |  |          | 1                  | pCi/L             |                      | <0.2                       | --        | 1                  |
| (4) Radium 226, Total                         | X                      |                       | 0.1                    | --        |   |          |  |          | 1                  | pCi/L             |                      | 0.1                        | --        | 1                  |
| k. Sulfate (as SO <sub>4</sub> ) (14808-79-8) | X                      |                       | 59.8                   | 11,106.77 |   |          |  |          | 1                  | mg/l              | lb/day               | 26.3                       | 13,035.73 | 1                  |
| l. Sulfide (as SO <sub>3</sub> ) (14265-45-3) |                        | X                     | 0.09                   | 16.72     |   |          |  |          | 1                  | mg/l              | lb/day               | 0.06                       | 29.74     | 1                  |
| m. Sulfite (as SO <sub>3</sub> ) (14265-45-3) | X                      |                       | <2                     | <371.46   |   |          |  |          | 1                  | mg/l              | lb/day               | <2                         | <991.31   | 1                  |
| n. Surfactants                                | X                      |                       | 0.03                   | 5.57      |   |          |  |          | 1                  | mg/l              | lb/day               | <0.01                      | <4.96     | 1                  |
| o. Aluminum, Total (7440-39-3)                | X                      |                       | 0.934                  | 173.47    |   |          |  |          | 1                  | mg/l              | lb/day               | 2.43                       | 1,204.44  | 1                  |
| p. Barium, Total (7440-39-3)                  |                        | X                     | 0.065                  | 12.07     |   |          |  |          | 1                  | mg/l              | lb/day               | 0.064                      | 31.72     | 1                  |
| q. Boron, Total (7440-42-8)                   |                        | X                     | 0.117                  | 21.73     |   |          |  |          | 1                  | mg/l              | lb/day               | 0.075                      | 37.17     | 1                  |
| r. Cobalt, Total (7440-48-4)                  |                        | X                     | <0.005                 | <0.929    |   |          |  |          | 1                  | mg/l              | lb/day               | <0.005                     | <2.478    | 1                  |
| s. Iron, Total (7439-89-6)                    | X                      |                       | 1.25                   | 232.17    |   |          |  |          | 1                  | mg/l              | lb/day               | 2.71                       | 1,343.23  | 1                  |
| t. Magnesium, Total (7439-95-4)               | X                      |                       | 5.07                   | 941.66    |   |          |  |          | 1                  | mg/l              | lb/day               | 2.66                       | 1,318.44  | 1                  |
| u. Molybdenum, Total (7439-98-7)              | X                      |                       | <0.01                  | <1.86     |   |          |  |          | 1                  | mg/l              | lb/day               | <0.01                      | <4.96     | 1                  |
| v. Manganese, Total (7439-96-5)               | X                      |                       | 0.123                  | 22.85     |   |          |  |          | 1                  | mg/l              | lb/day               | 0.398                      | 197.27    | 1                  |
| w. Tin, Total (7440-31-5)                     |                        | X                     | <0.002                 | <0.371    |   |          |  |          | 1                  | mg/l              | lb/day               | <0.002                     | <0.99     | 1                  |
| x. Titanium, Total (7440-32-6)                | X                      |                       | 0.048                  | 8.92      |   |          |  |          | 1                  | mg/l              | lb/day               | 0.180                      | 89.2      | 1                  |

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

OUTFALL NUMBER

GA0004120

01

Form Approved.

OMB No. 2040-0086

Approval expires 7-31-88

CONTINUED FROM PAGE 3 OF FORM 2-C

| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available)  | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT               |          |   |          |   |          | 4. UNITS                      |                          |            | 5. INTAKE (optional)          |          |                            |
|--|-----------------------------|-----------------------------|----------------------------|---------------------------|----------|---|----------|---|----------|-------------------------------|--------------------------|------------|-------------------------------|----------|----------------------------|
|  | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|  |                             |                             |                            | (1) CONCEN-<br>TRATION    | (2) MASS | (1) CONCEN-<br>TRATION                    | (2) MASS | (1) CONCEN-<br>TRATION                        | (2) MASS |                               |                          |            | (1) CONCEN-<br>TRATION        | (2) MASS |                            |
| METALS, CYANIDE, AND TOTAL PHENOLS                       |                             |                             |                            |                           |          |   |          |   |          |                               |                          |            |                               |          |                            |
| 1M. Antimony,<br>Total (7440-36-0)                       | X                           |                             | X                          | 0.003                     | 0.557    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.003                        | <1.49    | 1                          |
| 2M. Arsenic, Total<br>(7440-38-2)                        | X                           |                             | X                          | <0.004                    | <0.743   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.004                        | <1.98    | 1                          |
| 3M. Beryllium,<br>Total, 7440-41-7                       | X                           |                             | X                          | <0.001                    | <0.186   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.001                        | <0.496   | 1                          |
| 4M. Cadmium,<br>Total (7440-43-9)                        | X                           |                             | X                          | <0.005                    | <0.929   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 5M. Chromium<br>Total (7440-47-3)                        | X                           |                             | X                          | <0.005                    | 0.929    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 6M. Copper, Total<br>(7440-50-8)                         | X                           | X                           |                            | 0.01                      | 1.857    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 7M. Lead, Total<br>(7439-92-1)                           | X                           | X                           |                            | <0.005                    | <0.929   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 8M. Mercury, Total<br>(7439-97-6)                        | X                           |                             | X                          | <0.0002                   | <0.037   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0002                       | <0.099   | 1                          |
| 9M. Nickel, Total<br>(7440-02-0)                         | X                           |                             | X                          | <0.002                    | <0.371   |   |          |   |          | 1                             | mg/l                     | lb/day     | 0.002                         | 0.991    | 1                          |
| 10M. Selenium,<br>Total (7782-49-2)                      | X                           |                             | X                          | 0.007                     | 1.3      |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 11M. Silver, Total<br>(7440-22-4)                        | X                           |                             | X                          | <0.005                    | <0.929   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 12M. Thallium,<br>Total (7440-28-0)                      | X                           |                             | X                          | 0.003                     | 0.557    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.002                        | <0.991   | 1                          |
| 13M. Zinc, Total<br>(7440-66-6)                          | X                           | X                           |                            | 0.03                      | 5.57     |   |          |   |          | 1                             | mg/l                     | lb/day     | 0.043                         | 21.31    | 1                          |
| 14M. Cyanide,<br>Total (57-12-5)                         | X                           |                             | X                          | <0.005                    | <0.929   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.005                        | <2.48    | 1                          |
| 15M. Phenols,<br>Total                                   | X                           |                             | X                          | <0.01                     | <1.86    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.01                         | <4.96    | 1                          |
| DIOXIN   |                             |                             |                            |                           |          |   |          |   |          |                               |                          |            |                               |          |                            |
| 2,3,7,8-Tetra-<br>chlorodibenzo-P-<br>Dioxin (1764-01-6) |                             |                             | X                          | DESCRIBE RESULTS          |          |   |          |   |          |                               |                          |            |                               |          |                            |

CONTINUED FROM FRONT

| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'     |                  |                  | 3. EFFLUENT               |          |   |          |  |          | 4. UNITS                      |                          | 5. INTAKE (optional) |                               |          |                            |
|---|-----------------|------------------|------------------|---------------------------|----------|---|----------|--|----------|-------------------------------|--------------------------|----------------------|-------------------------------|----------|----------------------------|
|   | a. Test-<br>ing | b. Bel-<br>ieved | b. Bel-<br>ieved | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVR.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS           | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|   | Required        | Present          | Absent           | (1) CONCEN-<br>TRATION    | (2) MASS | (1) CONCEN-<br>TRATION                    | (2) MASS | (1) CONCEN-<br>TRATION                       | (2) MASS |                               |                          |                      | (1) CONCEN-<br>TRATION        | (2) MASS |                            |
| METALS, CYANIDE, AND TOTAL PHENOLS                      |                 |                  |                  |                           |          |   |          |  |          |                               |                          |                      |                               |          |                            |
| 1V. Acrolein (107-02-8)                                 | X               |                  | X                | <0.002                    | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.002                        | <0.991   | 1                          |
| 2V. Acrylonitrile (107-13-1)                            | X               |                  | X                | <0.001                    | <0.186   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.001                        | <0.496   | 1                          |
| 3V. Benzene (71-43-2)                                   | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 4V. Bis(Chloromethyl) Ether (542-88-1)                  |                 |                  | X                | --                        | --       |   |          |  |          | 0                             | mg/l                     | lb/day               | --                            | --       | 0                          |
| 5V. Bromoform (75-25-2)                                 | X               |                  | X                | <0.0030                   | <0.557   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0030                       | <1.45    | 1                          |
| 6V. Carbon Tetrachloride(56-23-5)                       | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 7V. Chlorobenzene (108-90-7)                            | X               |                  | X                | <0.0010                   | <0.186   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 8V. Chlorodibromo-<br>methane (124-48-1)                | X               |                  | X                | <0.0010                   | <0.186   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 9V. Chloroethane (75-00-3)                              | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 10V. 2-Chloro-ethylvinyl Ether (110-75-8)               | X               |                  | X                | <0.0010                   | <0.186   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 11V. Chloroform (67-66-3)                               | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 12V. Dichlorobromo-<br>methane (75-71-8)                | X               |                  | X                | <0.0010                   | <0.186   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 13V. Dichlorodifluoro-<br>methane (75-71-8)             |                 |                  | X                | --                        | --       |   |          |  |          | 0                             | mg/l                     | lb/day               | --                            | --       | 0                          |
| 14V. 1,1-Dichloro-<br>ethane (75-34-3)                  | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 15V. 1,2-Dichloro-<br>ethane (107-06-2)                 | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 16V. 1,1-Dichloro-<br>ethylene (75-35-4)                | X               |                  | X                | <0.0010                   | <0.186   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 17V. 1,2-Dichloro-<br>propane (78-87-5)                 | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 18V. 1,3-Dichloro-<br>propylene (542-75-6)              | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 19V. Ethylbenzene (100-41-4)                            | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 20V. Methyl Bromide (74-83-9)                           | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 21V. Methyl Chloride (74-87-3)                          | X               |                  | X                | <0.0020                   | <0.371   |   |          |  |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |

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

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

| 1. POLLUTANT AND CAS NUMBER<br><i>(if available)</i> | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT            |          |  |          |   |          | 4. UNITS                |                       | 5. INTAKE (optional) |                            |          |                         |
|--|-----------------------------|-----------------------------|----------------------------|------------------------|----------|--|----------|---|----------|-------------------------|-----------------------|----------------------|----------------------------|----------|-------------------------|
|  | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVRG. VALUE (if available) |          | d. NO. OF ANAL-<br>YSES | a. CONCEN-<br>TRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANAL-<br>YSES |
|  |                             |                             |                            | (1) CONCEN-<br>TRATION | (2) MASS | (1) CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                  | (2) MASS |                         |                       |                      | (1) CONCEN-<br>TRATION     | (2) MASS |                         |
| GC/MS FRACTION — VOLATILE COMPOUNDS (continued)      |                             |                             |                            |                        |          |  |          |   |          |                         |                       |                      |                            |          |                         |
| 22V. Methylene Chloride (75-09-2)                    | X                           |                             | X                          | <0.0020                | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0020                    | <0.991   | 1                       |
| 23V. 1,1,2,2-Tetra-chloroethane (79-34-5)            | X                           |                             | X                          | <0.0020                | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0020                    | <0.991   | 1                       |
| 24V. Tetrachloroethylene (127-18-4)                  | X                           |                             | X                          | <0.0020                | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0020                    | <0.991   | 1                       |
| 25V. Toluene (108-88-3)                              | X                           |                             | X                          | <0.0020                | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0020                    | <0.991   | 1                       |
| 26V. 1,2-Trans-Dichloro-ethylene (156-60-5)          | X                           |                             | X                          | <0.0010                | <0.186   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0010                    | <0.496   | 1                       |
| 27V. 1,1,1-Trichloroethane (71-56-6)                 | X                           |                             | X                          | <0.0010                | <0.186   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0010                    | <0.496   | 1                       |
| 28V. 1,1,2-Trichloroethane (79-00-5)                 | X                           |                             | X                          | <0.0020                | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0020                    | <0.991   | 1                       |
| 29V. Trichloroethylene (79-01-6)                     | X                           |                             | X                          | <0.0020                | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0020                    | <0.991   | 1                       |
| 30V. Trichlorofluoro-methane (75-69-4)               |                             |                             | X                          | --                     | --       |  |          |   |          | 0                       | mg/l                  | lb/day               | --                         | --       | 0                       |
| 31V. Vinyl Chloride (75-01-4)                        | X                           |                             | X                          | <0.0010                | <0.186   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0010                    | <0.496   | 1                       |
| GC/MS FRACTION — ACID COMPOUNDS                      |                             |                             |                            |                        |          |  |          |   |          |                         |                       |                      |                            |          |                         |
| 1A. 2-Chlorophenol (95-57-8)                         | X                           |                             | X                          | <0.0033                | <0.613   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0033                    | <1.64    | 1                       |
| 2A. 2,4-Dichlorophenol (120-83-2)                    | X                           |                             | X                          | <0.0027                | <0.501   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0027                    | <1.34    | 1                       |
| 3A. 2,4-Dimethylphenol (105-67-9)                    | X                           |                             | X                          | <0.0027                | <0.501   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0027                    | <1.34    | 1                       |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1)                  | X                           |                             | X                          | <0.024                 | <4.46    |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.024                     | <11.90   | 1                       |
| 5A. 2,4-Dinitrophenol (51-28-5)                      | X                           |                             | X                          | <0.042                 | <7.80    |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.042                     | <20.82   | 1                       |
| 6A. 2-Nitrophenol (88-75-5)                          | X                           |                             | X                          | <0.0036                | <0.669   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0036                    | <1.78    | 1                       |
| 7A. 4-Nitrophenol (100-02-7)                         | X                           |                             | X                          | <0.0024                | <0.446   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0024                    | <1.19    | 1                       |
| 8A. P-Chloro-M-Cresol (59-50-7)                      | X                           |                             | X                          | <0.0030                | <0.557   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0030                    | <1.49    | 1                       |
| 9A. Pentachlorophenol (87-86-5)                      | X                           |                             | X                          | <0.0036                | <0.669   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0036                    | <1.78    | 1                       |
| 10A. Phenol (108-95-2)                               | X                           |                             | X                          | <0.0015                | <0.279   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0015                    | <0.743   | 1                       |
| 11A. 2,4,6-Trichloro-phenol (88-06-2)                | X                           |                             | X                          | <0.0027                | <0.501   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0027                    | <1.34    | 1                       |



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| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'     |                  |                  | 3. EFFLUENT               |          |   |          |   |          | 4. UNITS                      |                          | 5. INTAKE (optional) |                               |          |                            |
|---|-----------------|------------------|------------------|---------------------------|----------|---|----------|---|----------|-------------------------------|--------------------------|----------------------|-------------------------------|----------|----------------------------|
|   | a. Test-<br>ing | b. Bel-<br>ieved | b. Bel-<br>ieved | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS           | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|   | Required        | Present          | Absent           | (1)<br>CONCEN-<br>TRATION | (2) MASS | (1)<br>CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                        | (2) MASS |                               |                          |                      | (1)<br>CONCEN-<br>TRATION     | (2) MASS |                            |
| GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS                 |                 |                  |                  |                           |          |   |          |   |          |                               |                          |                      |                               |          |                            |
| 1B. Acenaphthene<br>(83-32-9)                           | X               |                  | X                | <0.0019                   | <0.353   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 2B. Acenaphthylene<br>(208-96-8)                        | X               |                  | X                | <0.0035                   | <0.650   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0035                       | <1.73    | 1                          |
| 3B. Anthracene (120-12-7)                               | X               |                  | X                | <0.0019                   | <0.353   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 4B. Benzidine (92-87-5)                                 | X               |                  | X                | <0.044                    | <8.17    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.044                        | <21.81   | 1                          |
| 5B. Benzo (a) Anthracene<br>(56-55-3)                   | X               |                  | X                | <0.0078                   | <1.45    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0078                       | <3.87    | 1                          |
| 6B. Benzo (a) Pyrene<br>(50-32-8)                       | X               |                  | X                | <0.0025                   | <0.464   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 7B. 3,4-Benzo-fluoranthene<br>(205-99-2)                | X               |                  | X                | <0.0048                   | <0.892   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0048                       | <2.38    | 1                          |
| 8B. Benzo (ghi) Perylene<br>(191-24-2)                  | X               |                  | X                | <0.0041                   | <0.762   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0041                       | <2.03    | 1                          |
| 9B. Benzo (k)Fluoranthene<br>(207-08-9)                 | X               |                  | X                | <0.0025                   | <0.464   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 10B. Bis (2-Chloroethoxy)<br>Methane (111-91-1)         | X               |                  | X                | <0.0053                   | <0.984   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0053                       | <2.63    | 1                          |
| 11B. Bis (2-Chloroethyl)<br>Ether (111-44-4)            | X               |                  | X                | <0.0057                   | <1.06    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0057                       | <2.83    | 1                          |
| 12B. Bis (2-Chloro-<br>isopropyl) Ether (102-60-1)      | X               |                  | X                | <0.0057                   | <1.06    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0057                       | <2.83    | 1                          |
| 13B. Bis (2-Ethylhexyl)<br>Phthalate (117-81-7)         | X               |                  | X                | 0.0044                    | 0.817    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 14B. 4-Bromophenyl<br>Phenyl Ether (101-55-3)           | X               |                  | X                | <0.0019                   | <0.353   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 15B. Butyl Benzyl<br>Phthalate (85-68-7)                | X               |                  | X                | <0.0025                   | <0.464   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 16B. 2-Chloronaphthalene<br>(91-58-7)                   | X               |                  | X                | <0.0019                   | <0.353   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 17B. 4-Chlorophenyl<br>Phenyl Ether (7005-72-3)         | X               |                  | X                | <0.0042                   | <0.780   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0042                       | <2.08    | 1                          |
| 18B. Chrysene (218-01-9)                                | X               |                  | X                | <0.0025                   | <0.464   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 19B. Dibenzo (a,h)<br>Anthracene (53-70-3)              | X               |                  | X                | <0.0025                   | <0.464   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 20B. 1,2-Dichloro-<br>benzene (95-50-1)                 | X               |                  | X                | <0.0019                   | <0.353   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 21B. 1,3-Dichloro-<br>benzene (541-73-1)                | X               |                  | X                | <0.0019                   | <0.353   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |

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

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

| 1. POLLUTANT AND CAS NUMBER<br><br>(if available)      | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT            |          |  |          |   |          | 4. UNITS                |                       | 5. INTAKE (optional) |                            |          |                         |
|--|-----------------------------|-----------------------------|----------------------------|------------------------|----------|--|----------|---|----------|-------------------------|-----------------------|----------------------|----------------------------|----------|-------------------------|
|  | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVRG. VALUE (if available) |          | d. NO. OF ANAL-<br>YSES | a. CONCEN-<br>TRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANAL-<br>YSES |
|  |                             |                             |                            | (1) CONCEN-<br>TRATION | (2) MASS | (1) CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                  | (2) MASS |                         |                       |                      | (1) CONCEN-<br>TRATION     | (2) MASS |                         |
| GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)    |                             |                             |                            |                        |          |  |          |   |          |                         |                       |                      |                            |          |                         |
| 22B. 1,4-Dichlorobenzene (106-46-7)                    | X                           |                             | X                          | <0.0044                | <0.817   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0044                    | <2.18    | 1                       |
| 23B. 3,3-Dichlorobenzidine (91-94-1)                   | X                           |                             | X                          | <0.0165                | <3.06    |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0165                    | <8.18    | 1                       |
| 24B. Diethyl Phthalate (84-66-2)                       | X                           |                             | X                          | <0.0019                | <0.353   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 25B. Dimethyl Phthalate (131-11-3)                     | X                           |                             | X                          | <0.0016                | <0.297   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0016                    | <0.793   | 1                       |
| 26B. Di-N-Butyl Phthalate (84-74-2)                    | X                           |                             | X                          | <0.0025                | <0.464   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0025                    | <1.24    | 1                       |
| 27B. 2,4-Dinitrotoluene (121-14-2)                     | X                           |                             | X                          | <0.0057                | <1.06    |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0057                    | <2.83    | 1                       |
| 28B. 2,6-Dinitrotoluene (606-20-2)                     | X                           |                             | X                          | <0.0019                | <0.353   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 29B. Di-N-OctylPhthalate (117-84-0)                    | X                           |                             | X                          | <0.0025                | <0.464   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0025                    | <1.24    | 1                       |
| 30B. 1,2-Diphenyl-hydrazine (as Azobenzene) (122-66-7) | X                           |                             | X                          | <0.003                 | <0.557   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.003                     | <1.49    | 1                       |
| 31B. Fluoranthene (206-44-0)                           | X                           |                             | X                          | <0.0022                | <0.409   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0022                    | <1.09    | 1                       |
| 32B. Fluorene (86-73-7)                                | X                           |                             | X                          | <0.0019                | <0.353   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 33B. Hexachlorobenzene (118-74-1)                      | X                           |                             | X                          | <0.0019                | <0.353   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 34B. Hexachlorobutadiene (87-68-3)                     | X                           |                             | X                          | <0.0009                | <0.167   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0009                    | <0.446   | 1                       |
| 35B. Hexachlorocyclo-pentadiene (77-47-4)              | X                           |                             | X                          | <0.001                 | <0.186   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.001                     | <0.496   | 1                       |
| 36B. Hexachloroethane (67-72-1)                        | X                           |                             | X                          | <0.0016                | <0.297   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0016                    | <0.793   | 1                       |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5)               | X                           |                             | X                          | <0.0037                | <0.687   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0037                    | <1.83    | 1                       |
| 38B. Isophorone (78-59-1)                              | X                           |                             | X                          | <0.0022                | <0.409   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0022                    | <1.09    | 1                       |
| 39B. Naphthalene (91-20-3)                             | X                           |                             | X                          | <0.0016                | <0.297   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0016                    | <0.793   | 1                       |
| 40B. Nitrobenzene (98-95-3)                            | X                           |                             | X                          | <0.002                 | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.002                     | <0.991   | 1                       |
| 41B. N-Nitrosodimethylamine (62-75-9)                  | X                           |                             | X                          | <0.003                 | <0.557   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.003                     | <1.49    | 1                       |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7)              | X                           |                             | X                          | <0.002                 | <0.371   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.002                     | <0.991   | 1                       |

CONTINUED FROM FRONT

| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'                     |                                 |                                | 3. EFFLUENT                 |          |   |          |   |          | 4. UNITS                      |                               | 5. INTAKE (optional) |                               |          |                            |
|---|---------------------------------|---------------------------------|--------------------------------|-----------------------------|----------|---|----------|---|----------|-------------------------------|-------------------------------|----------------------|-------------------------------|----------|----------------------------|
|   | a. Test-<br>ing<br><br>Required | b. Bel-<br>ieved<br><br>Present | b. Bel-<br>ieved<br><br>Absent | a. MAXIMUM DAILY<br>VALUE   |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CON-<br>CENT-<br>RATION | b.<br>MASS           | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|   |                                 |                                 |                                | (1) CON-<br>CENT-<br>RATION | (2) MASS | (1) CON-<br>CENT-<br>RATION               | (2) MASS | (1) CON-<br>CENT-<br>RATION                   | (2) MASS |                               |                               |                      | (1) CON-<br>CENT-<br>RATION   | (2) MASS |                            |
| GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)     |                                 |                                 |                                |                             |          |   |          |   |          |                               |                               |                      |                               |          |                            |
| 43B. N-Nitro-<br>sodiphenylamine<br>(86-30-6)           | X                               |                                 | X                              | <0.0019                     | <0.353   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.0019                       | <0.942   | 1                          |
| 44B. Phenanthrene<br>(85-01-8)                          | X                               |                                 | X                              | <0.0054                     | <1.003   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.0054                       | <2.68    | 1                          |
| 45B. Pyrene<br>(129-00-0)                               | X                               |                                 | X                              | <0.0019                     | <0.353   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.0019                       | <0.942   | 1                          |
| 46B. 1,2,4-Tri-<br>chlorobenzene<br>(120-82-1)          | X                               |                                 | X                              | <0.0019                     | <0.353   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.0019                       | <0.942   | 1                          |
| GC/MS FRACTION — PESTICIDES                             |                                 |                                 |                                |                             |          |   |          |   |          |                               |                               |                      |                               |          |                            |
| 1P. Aldrin (309-00-2)                                   |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 2P. $\alpha$ -BHC (319-84-6)                            |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 3P. $\beta$ -BHC (319-85-7)                             |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 4P. $\gamma$ -BHC (58-89-9)                             |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 5P. $\delta$ -BHC (319-86-8)                            |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 6P. Chlordane<br>(57-74-9)                              |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 7P. 4,4'-DDT<br>(50-29-3)                               |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 8P. 4,4'-DDE<br>(72-55-9)                               |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 9P. 4,4'-DDD<br>(72-54-8)                               |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 10P. Dieldrin<br>(60-57-1)                              |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 11P. $\alpha$ -Endosulfan<br>(115-29-7)                 |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 12P. $\beta$ -Endosulfan<br>(115-29-7)                  |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 13P. Endosulfan<br>Sulfate (1031-07-8)                  |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 14P. Endrin<br>(72-20-8)                                |                                 |                                 | X                              | <0.001                      | <0.186   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.001                        | <0.496   | 1                          |
| 15P. Endrin<br>Aldehyde (7421-93-4)                     |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |
| 16P. Heptachlor<br>(76-44-8)                            |                                 |                                 | X                              | <0.003                      | <0.557   |   |          |   |          | 1                             | mg/l                          | lb/day               | <0.003                        | <1.49    | 1                          |

CONTINUED FROM PAGE V-8

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

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

| 1. POLLUTANT AND CAS NUMBER<br>(if available) | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT            |          |  |          |   |          | 4. UNITS                |                       | 5. INTAKE (optional) |                            |          |                         |
|---|-----------------------------|-----------------------------|----------------------------|------------------------|----------|--|----------|---|----------|-------------------------|-----------------------|----------------------|----------------------------|----------|-------------------------|
|   | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVRG. VALUE (if available) |          | d. NO. OF ANAL-<br>YSES | a. CONCEN-<br>TRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANAL-<br>YSES |
|   |                             |                             |                            | (1) CONCEN-<br>TRATION | (2) MASS | (1) CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                  | (2) MASS |                         |                       |                      | (1) CONCEN-<br>TRATION     | (2) MASS |                         |
| GC/MS FRACTION — PESTICIDES (continued)       |                             |                             |                            |                        |          |  |          |   |          |                         |                       |                      |                            |          |                         |
| 17P. Heptachlor Epoxide (1024-57-3)           |                             |                             | X                          | <0.003                 | <0.557   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.003                     | <1.49    | 1                       |
| 18P. PCB-1242 (53469-21-9)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 19P. PCB-1254 (11097-69-1)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 20P. PCB-1221 (11104-28-2)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 21P. PCB-1232 (11141-16-5)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 22P. PCB-1248 (12672-29-6)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 23P. PCB-1260 (11096-82-5)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 24P. PCB-1016 (12674-11-2)                    |                             |                             | X                          | <0.005                 | <0.929   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.005                     | <2.48    | 1                       |
| 25P. Toxaphene (8001-35-2)                    |                             |                             | X                          | <0.003                 | <0.557   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.003                     | <1.49    | 1                       |

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**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

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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<br>(specify if blank) |                   | 4. INTAKE (optional) |                            |          |                    |
|------------------------------------|------------------------|----------------|---|----------------|--|----------|--------------------------------|-------------------|----------------------|----------------------------|----------|--------------------|
|                                    | a. MAXIMUM DAILY VALUE |                | b. MAXIMUM 30 DAY VALUE<br>(if available) |                | c. LONG TERM AVRG. VALUE<br>(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) | 5                      | 699            |   |                |  |          | 1                              | mg/l              | lb/day               | <2                         | <991     | 1                  |
| b. Chemical Oxygen Demand (COD)    | 31                     | 4,335          |   |                |  |          | 1                              | mg/l              | lb/day               | 9                          | 5,948    | 1                  |
| c. Total Organic Carbon (TOC)      | 9.87                   | 1,380          |   |                |  |          | 1                              | mg/l              | lb/day               | 3.5                        | 1,735    | 1                  |
| d. Total Suspended Solids (TSS)    | 56                     | 7,830          |   |                |  |          | 1                              | mg/l              | lb/day               | 157                        | 77,817   | 1                  |
| e. Ammonia (as N)                  | 0.66                   | 92.29          |   |                |  |          | 1                              | mg/l              | lb/day               | 0.07                       | 34.70    | 1                  |
| f. Flow                            | VALUE<br>11,643        |                | VALUE                                     |                | VALUE                                      |          | 3                              | gpm               |                      | VALUE<br>41,272            |          | 36                 |
| g. Temperature (winter)            | VALUE<br>26            |                | VALUE<br>24                               |                | VALUE<br>21                                |          | 36                             | °C                |                      | VALUE<br>10                |          | 270                |
| h. Temperature (summer)            | VALUE<br>37            |                | VALUE<br>34                               |                | VALUE<br>32                                |          | 36                             | °C                |                      | 31                         |          | 276                |
| i. pH                              | MINIMUM<br>6.9         | MAXIMUM<br>8.5 | MINIMUM<br>6.9                            | MAXIMUM<br>8.2 |  |          | 36                             | 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. POLLUTANT AND CAS NO.<br>(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<br>(if available) |          | c. LONG TERM AVRG. VALUE<br>(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. Bromide (24959-67-9)                    | X                   |                    | 0.070                  | 9.79     |   |          |  |          | 1                  | mg/l              | lb/day               | <0.03                      | 14.87    | 1                  |
| b. Chlorine, Total Residual                | X                   |                    | <0.01                  | <1.40    |   |          |  |          | 1                  | mg/l              | lb/day               | <0.01                      | <4.96    | 1                  |
| c. Color                                   | X                   |                    | 70                     | --       |   |          |  |          | 1                  | PCU               |                      | 18                         | --       | 1                  |
| d. Fecal Coliform                          | X                   |                    | <1                     | --       |   |          |  |          | 1                  | col/100 ml        |                      | <1                         | --       | 1                  |
| e. Fluoride (16984-48-8)                   | X                   |                    | 0.40                   | 55.93    |   |          |  |          | 1                  | mg/l              | lb/day               | 0.14                       | 69.39    | 1                  |
| f. Nitrate-Nitrite (as N)                  | X                   |                    | 1.50                   | 109.74   |   |          |  |          | 1                  | mg/l              | lb/day               | 0.51                       | 252.78   | 1                  |

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO.<br><br>(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<br>(if available) |          | c. LONG TERM AVRG. VALUE<br>(if available) |          | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |           | b. NO. OF ANALYSES |
|  | Present     | Absent      | (1) CONCENTRATION      | (2) MASS  | (1) CONCENTRATION                         | (2) MASS | (1) CONCENTRATION                          | (2) MASS |                    |                  |                      | (1) CONCENTRATION          | (2) MASS  |                    |
| g. Nitrogen, Total Organic (as N)              | X           |             | 1.18                   | 165.0     |   |          |  |          | 1                  | mg/l             | lb/day               | 0.12                       | 59.48     | 1                  |
| h. Oil and Grease                              | X           |             | <1.4                   | <195.76   |   |          |  |          | 1                  | mg/l             | lb/day               | <1.4                       | <693.9    | 1                  |
| i. Phosphorus (as P) Total (7723-14-0)         | X           |             | 1.02                   | 142.62    |   |          |  |          | 1                  | mg/l             | lb/day               | 0.17                       | 84.26     | 1                  |
| <b>J. Radioactivity</b>                        |             |             |                        |           |   |          |  |          |                    |                  |                      |                            |           |                    |
| (1) Alpha, Total                               | X           |             | <1.7                   | --        |   |          |  |          | 1                  | pCi/L            |                      | <1.1                       | --        | 1                  |
| (2) Beta, Total                                | X           |             | 8.1                    | --        |   |          |  |          | 1                  | pCi/L            |                      | 2.6                        | --        | 1                  |
| (3) Radium, Total                              | X           |             | 0.4                    | --        |   |          |  |          | 1                  | pCi/L            |                      | <0.2                       | --        | 1                  |
| (4) Radium 226, Total                          | X           |             | 0.4                    | --        |   |          |  |          | 1                  | pCi/L            |                      | 0.1                        | --        | 1                  |
| k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)  | X           |             | 82.2                   | 11,493.86 |   |          |  |          | 1                  | mg/l             | lb/day               | 26.3                       | 13,035.73 | 1                  |
| l. Sulfide (as SO <sub>3</sub> ) (14265-45-3)  |             | X           | <0.01                  | <1.40     |   |          |  |          | 1                  | mg/l             | lb/day               | 0.06                       | 29.74     | 1                  |
| m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)  | X           |             | <2                     | <279.66   |   |          |  |          | 1                  | mg/l             | lb/day               | <2                         | <991.31   | 1                  |
| n. Surfactants                                 | X           |             | 0.02                   | 2.80      |   |          |  |          | 1                  | mg/l             | lb/day               | <0.01                      | <4.96     | 1                  |
| o. Aluminum, Total (7440-39-3)                 | X           |             | 0.579                  | 80.96     |   |          |  |          | 1                  | mg/l             | lb/day               | 2.43                       | 1,204.44  | 1                  |
| p. Barium, Total (7440-39-3)                   |             | X           | 0.091                  | 12.72     |   |          |  |          | 1                  | mg/l             | lb/day               | 0.064                      | 31.72     | 1                  |
| q. Boron, Total (7440-42-8)                    |             | X           | 0.156                  | 21.81     |   |          |  |          | 1                  | mg/l             | lb/day               | 0.075                      | 37.17     | 1                  |
| r. Cobalt, Total (7440-48-4)                   |             | X           | <0.005                 | <0.669    |   |          |  |          | 1                  | mg/l             | lb/day               | <0.005                     | <2.478    | 1                  |
| s. Iron, Total (7439-89-6)                     | X           |             | 2.61                   | 364.95    |   |          |  |          | 1                  | mg/l             | lb/day               | 2.71                       | 1,343.23  | 1                  |
| t. Magnesium, Total (7439-95-4)                | X           |             | 6.64                   | 928.46    |   |          |  |          | 1                  | mg/l             | lb/day               | 2.66                       | 1,318.44  | 1                  |
| u. Molybdenum, Total (7439-98-7)               | X           |             | <0.01                  | <1.40     |   |          |  |          | 1                  | mg/l             | lb/day               | <0.01                      | <4.96     | 1                  |
| v. Manganese, Total (7439-96-5)                | X           |             | 0.181                  | 25.31     |   |          |  |          | 1                  | mg/l             | lb/day               | 0.398                      | 197.27    | 1                  |
| w. Tin, Total (7440-31-5)                      |             | X           | <0.002                 | 0.280     |   |          |  |          | 1                  | mg/l             | lb/day               | <0.002                     | <0.99     | 1                  |
| x. Titanium, Total (7440-32-6)                 | X           |             | 0.018                  | 2.52      |   |          |  |          | 1                  | mg/l             | lb/day               | 0.180                      | 89.2      | 1                  |

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

OUTFALL NUMBER

GA0004120

02

Form Approved.

OMB No. 2040-0086

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CONTINUED FROM PAGE 3 OF FORM 2-C

**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 2c 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.

| I. POLLUTANT AND CAS NUMBER<br><i>(if available)</i> | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT            |          |   |          |  |          | 4. UNITS                |                       | 5. INTAKE <i>(optional)</i> |                            |          |                         |
|--|-----------------------------|-----------------------------|----------------------------|------------------------|----------|---|----------|--|----------|-------------------------|-----------------------|-----------------------------|----------------------------|----------|-------------------------|
|  | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>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-<br>YSES | a. CONCEN-<br>TRATION | b. MASS                     | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANAL-<br>YSES |
|  |                             |                             |                            | (1) CONCEN-<br>TRATION | (2) MASS | (1) CONCEN-<br>TRATION                        | (2) MASS | (1) CONCEN-<br>TRATION                         | (2) MASS |                         |                       |                             | (1) CONCEN-<br>TRATION     | (2) MASS |                         |
| METALS, CYANIDE, AND TOTAL PHENOLS                   |                             |                             |                            |                        |          |   |          |  |          |                         |                       |                             |                            |          |                         |
| 1M. Antimony, Total (7440-36-0)                      | X                           |                             | X                          | <0.003                 | <0.419   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.003                     | <1.49    | 1                       |
| 2M. Arsenic, Total (7440-38-2)                       | X                           |                             | X                          | <0.004                 | <0.559   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.004                     | <1.98    | 1                       |
| 3M. Beryllium, Total, 7440-41-7                      | X                           |                             | X                          | <0.001                 | <0.140   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.001                     | <0.496   | 1                       |
| 4M. Cadmium, Total (7440-43-9)                       | X                           |                             | X                          | <0.005                 | <0.699   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 5M. Chromium Total (7440-47-3)                       | X                           |                             | X                          | <0.005                 | 0.699    |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 6M. Copper, Total (7440-50-8)                        | X                           | X                           |                            | 0.027                  | 3.775    |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 7M. Lead, Total (7439-92-1)                          | X                           | X                           |                            | <0.005                 | <0.699   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 8M. Mercury, Total (7439-97-6)                       | X                           |                             | X                          | <0.0002                | <0.028   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.0002                    | <0.099   | 1                       |
| 9M. Nickel, Total (7440-02-0)                        | X                           |                             | X                          | 0.003                  | 0.419    |   |          |  |          | 1                       | mg/l                  | lb/day                      | 0.002                      | 0.991    | 1                       |
| 10M. Selenium, Total (7782-49-2)                     | X                           |                             | X                          | 0.008                  | 1.119    |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 11M. Silver, Total (7440-22-4)                       | X                           |                             | X                          | <0.005                 | <0.699   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 12M. Thallium, Total (7440-28-0)                     | X                           |                             | X                          | <0.002                 | <0.280   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.002                     | <0.991   | 1                       |
| 13M. Zinc, Total (7440-66-6)                         | X                           | X                           |                            | 0.05                   | 6.99     |   |          |  |          | 1                       | mg/l                  | lb/day                      | 0.043                      | 21.31    | 1                       |
| 14M. Cyanide, Total (57-12-5)                        | X                           |                             | X                          | <0.005                 | <0.699   |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.005                     | <2.48    | 1                       |
| 15M. Phenols, Total                                  | X                           |                             | X                          | <0.01                  | <1.40    |   |          |  |          | 1                       | mg/l                  | lb/day                      | <0.01                      | <4.96    | 1                       |
| DIOXIN   |                             |                             |                            |                        |          |   |          |  |          |                         |                       |                             |                            |          |                         |
| 2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)     |                             |                             | X                          | DESCRIBE RESULTS       |          |   |          |  |          |                         |                       |                             |                            |          |                         |



CONTINUED FROM FRONT

| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'                     |                                 |                                | 3. EFFLUENT               |          |   |          |   |          | 4. UNITS                      |                          | 5. INTAKE (optional) |                               |          |                            |
|---|---------------------------------|---------------------------------|--------------------------------|---------------------------|----------|---|----------|---|----------|-------------------------------|--------------------------|----------------------|-------------------------------|----------|----------------------------|
|   | a. Test-<br>ing<br><br>Required | b. Bel-<br>ieved<br><br>Present | b. Bel-<br>ieved<br><br>Absent | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS           | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|   |                                 |                                 |                                | (1) CONCEN-<br>TRATION    | (2) MASS | (1) CONCEN-<br>TRATION                    | (2) MASS | (1) CONCEN-<br>TRATION                        | (2) MASS |                               |                          |                      | (1) CONCEN-<br>TRATION        | (2) MASS |                            |
| METALS, CYANIDE, AND TOTAL PHENOLS                      |                                 |                                 |                                |                           |          |   |          |   |          |                               |                          |                      |                               |          |                            |
| 1V. Acrolein (107-02-8)                                 | X                               |                                 | X                              | <0.002                    | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.002                        | <0.991   | 1                          |
| 2V. Acrylonitrile (107-13-1)                            | X                               |                                 | X                              | <0.001                    | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.001                        | <0.496   | 1                          |
| 3V. Benzene (71-43-2)                                   | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 4V. Bis(Chloromethyl) Ether (542-88-1)                  |                                 |                                 | X                              | --                        | --       |   |          |   |          | 0                             | mg/l                     | lb/day               | --                            | --       | 0                          |
| 5V. Bromoform (75-25-2)                                 | X                               |                                 | X                              | <0.0030                   | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0030                       | <1.45    | 1                          |
| 6V. Carbon Tetrachloride(56-23-5)                       | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 7V. Chlorobenzene (108-90-7)                            | X                               |                                 | X                              | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 8V. Chlorodibromo-<br>methane (124-48-1)                | X                               |                                 | X                              | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 9V. Chloroethane (75-00-3)                              | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 10V. 2-Chloro-ethylvinyl Ether (110-75-8)               | X                               |                                 | X                              | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 11V. Chloroform (67-66-3)                               | X                               |                                 | X                              | 0.002                     | 0.280    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 12V. Dichlorobromo-<br>methane (75-71-8)                | X                               |                                 | X                              | 0.0012                    | 0.168    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 13V. Dichlorodifluoro-<br>methane (75-71-8)             |                                 |                                 | X                              | --                        | --       |   |          |   |          | 0                             | mg/l                     | lb/day               | --                            | --       | 0                          |
| 14V. 1,1-Dichloro-<br>ethane (75-34-3)                  | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 15V. 1,2-Dichloro-<br>ethane (107-06-2)                 | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 16V. 1,1-Dichloro-<br>ethylene (75-35-4)                | X                               |                                 | X                              | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0010                       | <0.496   | 1                          |
| 17V. 1,2-Dichloro-<br>propane (78-87-5)                 | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 18V. 1,3-Dichloro-<br>propylene (542-75-6)              | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 19V. Ethylbenzene (100-41-4)                            | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 20V. Methyl Bromide (74-83-9)                           | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |
| 21V. Methyl Chloride (74-87-3)                          | X                               |                                 | X                              | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0020                       | <0.991   | 1                          |

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

OUTFALL NUMBER

GA0004120

02

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

CONTINUED FROM PAGE V-4

| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT               |          |   |          |   |          | 4. UNITS                      |                          |            | 5. INTAKE (optional)          |        |                            |
|---|-----------------------------|-----------------------------|----------------------------|---------------------------|----------|---|----------|---|----------|-------------------------------|--------------------------|------------|-------------------------------|--------|----------------------------|
|   | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS | a. LONG TERM<br>AVERAGE VALUE |        | b. NO. OF<br>ANAL-<br>YSES |
|   |                             |                             |                            | (1)<br>CONCEN-<br>TRATION | (2) MASS | (1)<br>CONCEN-<br>TRATION                 | (2) MASS | (1)<br>CONCEN-<br>TRATION                     | (2) MASS |                               |                          |            |                               |        |                            |
| GC/MS FRACTION — VOLATILE COMPOUNDS (continued)         |                             |                             |                            |                           |          |   |          |   |          |                               |                          |            |                               |        |                            |
| 22V. Methylene Chloride<br>(75-09-2)                    | X                           |                             | X                          | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0020                       | <0.991 | 1                          |
| 23V. 1,1,2,2-Tetra-chloroethane<br>(79-34-5)            | X                           |                             | X                          | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0020                       | <0.991 | 1                          |
| 24V. Tetrachloroethylene<br>(127-18-4)                  | X                           |                             | X                          | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0020                       | <0.991 | 1                          |
| 25V. Toluene (108-88-3)                                 | X                           |                             | X                          | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0020                       | <0.991 | 1                          |
| 26V. 1,2-Trans-Dichloro-<br>ethylene (156-60-5)         | X                           |                             | X                          | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0010                       | <0.496 | 1                          |
| 27V. 1,1,1-Trichloroethane<br>(71-56-6)                 | X                           |                             | X                          | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0010                       | <0.496 | 1                          |
| 28V. 1,1,2-Trichloroethane<br>(79-00-5)                 | X                           |                             | X                          | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0020                       | <0.991 | 1                          |
| 29V. Trichloroethylene<br>(79-01-6)                     | X                           |                             | X                          | <0.0020                   | <0.280   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0020                       | <0.991 | 1                          |
| 30V. Trichlorofluoro-methane<br>(75-69-4)               |                             |                             | X                          | --                        | --       |   |          |   |          | 0                             | mg/l                     | lb/day     | --                            | --     | 0                          |
| 31V. Vinyl Chloride (75-01-4)                           | X                           |                             | X                          | <0.0010                   | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0010                       | <0.496 | 1                          |
| GC/MS FRACTION — ACID COMPOUNDS                         |                             |                             |                            |                           |          |   |          |   |          |                               |                          |            |                               |        |                            |
| 1A. 2-Chlorophenol (95-57-8)                            | X                           |                             | X                          | <0.0033                   | <0.461   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0033                       | <1.64  | 1                          |
| 2A. 2,4-Dichlorophenol<br>(120-83-2)                    | X                           |                             | X                          | <0.0027                   | <0.378   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0027                       | <1.34  | 1                          |
| 3A. 2,4-Dimethylphenol<br>(105-67-9)                    | X                           |                             | X                          | <0.0027                   | <0.378   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0027                       | <1.34  | 1                          |
| 4A. 4,6-Dinitro-O-Cresol<br>(534-52-1)                  | X                           |                             | X                          | <0.024                    | <3.36    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.024                        | <11.90 | 1                          |
| 5A. 2,4-Dinitrophenol (51-28-5)                         | X                           |                             | X                          | <0.042                    | <5.87    |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.042                        | <20.82 | 1                          |
| 6A. 2-Nitrophenol (88-75-5)                             | X                           |                             | X                          | <0.0036                   | <0.503   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0036                       | <1.78  | 1                          |
| 7A. 4-Nitrophenol (100-02-7)                            | X                           |                             | X                          | <0.0024                   | <0.336   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0024                       | <1.19  | 1                          |
| 8A. P-Chloro-M-Cresol<br>(59-50-7)                      | X                           |                             | X                          | <0.0030                   | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0030                       | <1.49  | 1                          |
| 9A. Pentachlorophenol (87-86-5)                         | X                           |                             | X                          | <0.0036                   | <0.503   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0036                       | <1.78  | 1                          |
| 10A. Phenol (108-95-2)                                  | X                           |                             | X                          | <0.0015                   | <0.210   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0015                       | <0.743 | 1                          |
| 11A. 2,4,6-Trichloro-phenol (88-<br>06-2)               | X                           |                             | X                          | <0.0027                   | <0.378   |   |          |   |          | 1                             | mg/l                     | lb/day     | <0.0027                       | <1.34  | 1                          |

CONTINUED FROM FRONT

| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'     |                  |                  | 3. EFFLUENT               |          |   |          |   |          | 4. UNITS                      |                          | 5. INTAKE (optional) |                               |          |                            |
|---|-----------------|------------------|------------------|---------------------------|----------|---|----------|---|----------|-------------------------------|--------------------------|----------------------|-------------------------------|----------|----------------------------|
|   | a. Test-<br>ing | b. Bel-<br>ieved | b. Bel-<br>ieved | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS           | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|   | Required        | Present          | Absent           | (1)<br>CONCEN-<br>TRATION | (2) MASS | (1)<br>CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                        | (2) MASS |                               |                          |                      | (1)<br>CONCEN-<br>TRATION     | (2) MASS |                            |
| GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS                 |                 |                  |                  |                           |          |   |          |   |          |                               |                          |                      |                               |          |                            |
| 1B. Acenaphthene<br>(83-32-9)                           | X               |                  | X                | <0.0019                   | <0.26    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 2B. Acenaphthylene<br>(208-96-8)                        | X               |                  | X                | <0.0035                   | <0.489   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0035                       | <1.73    | 1                          |
| 3B. Anthracene (120-12-7)                               | X               |                  | X                | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 4B. Benzidine (92-87-5)                                 | X               |                  | X                | <0.044                    | <6.15    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.044                        | <21.81   | 1                          |
| 5B. Benzo (a) Anthracene<br>(56-55-3)                   | X               |                  | X                | <0.0078                   | <1.091   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0078                       | <3.87    | 1                          |
| 6B. Benzo (a) Pyrene<br>(50-32-8)                       | X               |                  | X                | <0.0025                   | <0.350   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 7B. 3,4-Benzo-fluoranthene<br>(205-99-2)                | X               |                  | X                | <0.0048                   | <0.671   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0048                       | <2.38    | 1                          |
| 8B. Benzo (ghi) Perylene<br>(191-24-2)                  | X               |                  | X                | <0.0041                   | <0.573   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0041                       | <2.03    | 1                          |
| 9B. Benzo (k)Fluoranthene<br>(207-08-9)                 | X               |                  | X                | <0.0025                   | <0.350   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 10B. Bis (2-Chloroethoxy)<br>Methane (111-91-1)         | X               |                  | X                | <0.0053                   | <0.741   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0053                       | <2.63    | 1                          |
| 11B. Bis (2-Chloroethyl)<br>Ether (111-44-4)            | X               |                  | X                | <0.0057                   | <0.797   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0057                       | <2.83    | 1                          |
| 12B. Bis (2-Chloro-<br>isopropyl) Ether (102-60-1)      | X               |                  | X                | <0.0057                   | <0.797   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0057                       | <2.83    | 1                          |
| 13B. Bis (2-Ethylhexyl)<br>Phthalate (117-81-7)         | X               |                  | X                | 0.0066                    | 0.671    |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 14B. 4-Bromophenyl<br>Phenyl Ether (101-55-3)           | X               |                  | X                | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 15B. Butyl Benzyl<br>Phthalate (85-68-7)                | X               |                  | X                | <0.0025                   | <0.350   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 16B. 2-Chloronaphthalene<br>(91-58-7)                   | X               |                  | X                | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 17B. 4-Chlorophenyl<br>Phenyl Ether (7005-72-3)         | X               |                  | X                | <0.0042                   | <0.587   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0042                       | <2.08    | 1                          |
| 18B. Chrysene (218-01-9)                                | X               |                  | X                | <0.0025                   | <0.350   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 19B. Dibenzo (a,h)<br>Anthracene (53-70-3)              | X               |                  | X                | <0.0025                   | <0.350   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0025                       | <1.24    | 1                          |
| 20B. 1,2-Dichloro-<br>benzene (95-50-1)                 | X               |                  | X                | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 21B. 1,3-Dichloro-<br>benzene (541-73-1)                | X               |                  | X                | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |

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

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

| 1. POLLUTANT AND CAS NUMBER<br><i>(if available)</i>   | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT            |          |  |          |   |          | 4. UNITS                |                       | 5. INTAKE (optional) |                            |          |                         |
|--|-----------------------------|-----------------------------|----------------------------|------------------------|----------|--|----------|---|----------|-------------------------|-----------------------|----------------------|----------------------------|----------|-------------------------|
|  | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVRG. VALUE (if available) |          | d. NO. OF ANAL-<br>YSES | a. CONCEN-<br>TRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANAL-<br>YSES |
|  |                             |                             |                            | (1) CONCEN-<br>TRATION | (2) MASS | (1) CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                  | (2) MASS |                         |                       |                      | (1) CONCEN-<br>TRATION     | (2) MASS |                         |
| GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)    |                             |                             |                            |                        |          |  |          |   |          |                         |                       |                      |                            |          |                         |
| 22B. 1,4-Dichlorobenzene (106-46-7)                    | X                           |                             | X                          | <0.0044                | <0.615   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0044                    | <2.18    | 1                       |
| 23B. 3,3-Dichlorobenzidine (91-94-1)                   | X                           |                             | X                          | <0.0165                | <2.31    |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0165                    | <8.18    | 1                       |
| 24B. Diethyl Phthalate (84-66-2)                       | X                           |                             | X                          | <0.0019                | <0.266   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 25B. Dimethyl Phthalate (131-11-3)                     | X                           |                             | X                          | <0.0016                | <0.224   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0016                    | <0.793   | 1                       |
| 26B. Di-N-Butyl Phthalate (84-74-2)                    | X                           |                             | X                          | <0.0025                | <0.350   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0025                    | <1.24    | 1                       |
| 27B. 2,4-Dinitrotoluene (121-14-2)                     | X                           |                             | X                          | <0.0057                | <0.80    |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0057                    | <2.83    | 1                       |
| 28B. 2,6-Dinitrotoluene (606-20-2)                     | X                           |                             | X                          | <0.0019                | <0.266   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 29B. Di-N-OctylPhthalate (117-84-0)                    | X                           |                             | X                          | <0.0025                | <0.350   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0025                    | <1.24    | 1                       |
| 30B. 1,2-Diphenyl-hydrazine (as Azobenzene) (122-66-7) | X                           |                             | X                          | <0.003                 | <0.420   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.003                     | <1.49    | 1                       |
| 31B. Fluoranthene (206-44-0)                           | X                           |                             | X                          | <0.0022                | <0.308   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0022                    | <1.09    | 1                       |
| 32B. Fluorene (86-73-7)                                | X                           |                             | X                          | <0.0019                | <0.266   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 33B. Hexachlorobenzene (118-74-1)                      | X                           |                             | X                          | <0.0019                | <0.266   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0019                    | <0.942   | 1                       |
| 34B. Hexachlorobutadiene (87-68-3)                     | X                           |                             | X                          | <0.0009                | <0.126   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0009                    | <0.446   | 1                       |
| 35B. Hexachlorocyclo-pentadiene (77-47-4)              | X                           |                             | X                          | <0.001                 | <0.140   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.001                     | <0.496   | 1                       |
| 36B. Hexachloroethane (67-72-1)                        | X                           |                             | X                          | <0.0016                | <0.224   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0016                    | <0.793   | 1                       |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5)               | X                           |                             | X                          | <0.0037                | <0.517   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0037                    | <1.83    | 1                       |
| 38B. Isophorone (78-59-1)                              | X                           |                             | X                          | <0.0022                | <0.308   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0022                    | <1.09    | 1                       |
| 39B. Naphthalene (91-20-3)                             | X                           |                             | X                          | <0.0016                | <0.224   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.0016                    | <0.793   | 1                       |
| 40B. Nitrobenzene (98-95-3)                            | X                           |                             | X                          | <0.002                 | <0.280   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.002                     | <0.991   | 1                       |
| 41B. N-Nitrosodimethylamine (62-75-9)                  | X                           |                             | X                          | <0.003                 | <0.419   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.003                     | <1.49    | 1                       |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7)              | X                           |                             | X                          | <0.002                 | <0.280   |  |          |   |          | 1                       | mg/l                  | lb/day               | <0.002                     | <0.991   | 1                       |

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| 1. POLLUTANT<br>AND CAS<br>NUMBER<br><br>(if available) | 2. MARK 'X'                 |                             |                            | 3. EFFLUENT               |          |   |          |   |          | 4. UNITS                      |                          | 5. INTAKE (optional) |                               |          |                            |
|---|-----------------------------|-----------------------------|----------------------------|---------------------------|----------|---|----------|---|----------|-------------------------------|--------------------------|----------------------|-------------------------------|----------|----------------------------|
|   | a. Test-<br>ing<br>Required | b. Bel-<br>ieved<br>Present | b. Bel-<br>ieved<br>Absent | a. MAXIMUM DAILY<br>VALUE |          | b. MAXIMUM 30 DAY<br>VALUE (if available) |          | c. LONG TERM AVRG.<br>VALUE<br>(if available) |          | d. NO.<br>OF<br>ANAL-<br>YSES | a.<br>CONCEN-<br>TRATION | b.<br>MASS           | a. LONG TERM<br>AVERAGE VALUE |          | b. NO. OF<br>ANAL-<br>YSES |
|   |                             |                             |                            | (1) CONCEN-<br>TRATION    | (2) MASS | (1) CONCEN-<br>TRATION                    | (2) MASS | (1) CONCEN-<br>TRATION                        | (2) MASS |                               |                          |                      | (1) CONCEN-<br>TRATION        | (2) MASS |                            |
| GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)     |                             |                             |                            |                           |          |   |          |   |          |                               |                          |                      |                               |          |                            |
| 43B. N-Nitro-<br>sodiphenylamine<br>(86-30-6)           | X                           |                             | X                          | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 44B. Phenanthrene<br>(85-01-8)                          | X                           |                             | X                          | <0.0054                   | <0.755   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0054                       | <2.68    | 1                          |
| 45B. Pyrene<br>(129-00-0)                               | X                           |                             | X                          | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| 46B. 1,2,4-Tri-<br>chlorobenzene<br>(120-82-1)          | X                           |                             | X                          | <0.0019                   | <0.266   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.0019                       | <0.942   | 1                          |
| GC/MS FRACTION — PESTICIDES                             |                             |                             |                            |                           |          |   |          |   |          |                               |                          |                      |                               |          |                            |
| 1P. Aldrin (309-00-2)                                   |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 2P. $\alpha$ -BHC (319-84-6)                            |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 3P. $\beta$ -BHC (319-85-7)                             |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 4P. $\gamma$ -BHC (58-89-9)                             |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 5P. $\delta$ -BHC (319-86-8)                            |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 6P. Chlordane<br>(57-74-9)                              |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 7P. 4,4'-DDT<br>(50-29-3)                               |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 8P. 4,4'-DDE<br>(72-55-9)                               |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 9P. 4,4'-DDD<br>(72-54-8)                               |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 10P. Dieldrin<br>(60-57-1)                              |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 11P. $\alpha$ -Endosulfan<br>(115-29-7)                 |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 12P. $\beta$ -Endosulfan<br>(115-29-7)                  |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 13P. Endosulfan<br>Sulfate (1031-07-8)                  |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 14P. Endrin<br>(72-20-8)                                |                             |                             | X                          | <0.001                    | <0.140   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.001                        | <0.496   | 1                          |
| 15P. Endrin<br>Aldehyde (7421-93-4)                     |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |
| 16P. Heptachlor<br>(76-44-8)                            |                             |                             | X                          | <0.003                    | <0.419   |   |          |   |          | 1                             | mg/l                     | lb/day               | <0.003                        | <1.49    | 1                          |

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

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

| 1. POLLUTANT AND CAS NUMBER<br>(if available) | 2. MARK 'X'     |                  |                  | 3. EFFLUENT            |          |  |          |   |          | 4. UNITS                |                       | 5. INTAKE (optional)   |                            |       |                         |
|---|-----------------|------------------|------------------|------------------------|----------|--|----------|---|----------|-------------------------|-----------------------|------------------------|----------------------------|-------|-------------------------|
|   | a. Test-<br>ing | b. Bel-<br>ieved | b. Bel-<br>ieved | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVRG. VALUE (if available) |          | d. NO. OF ANAL-<br>YSES | a. CONCEN-<br>TRATION | b. MASS                | a. LONG TERM AVERAGE VALUE |       | b. NO. OF ANAL-<br>YSES |
|   | Required        | Present          | Absent           | (1) CONCEN-<br>TRATION | (2) MASS | (1) CONCEN-<br>TRATION                 | (2) MASS | (1) CONCEN-<br>TRATION                  | (2) MASS |                         |                       | (1) CONCEN-<br>TRATION | (2) MASS                   |       |                         |
| GC/MS FRACTION — PESTICIDES (continued)       |                 |                  |                  |                        |          |  |          |   |          |                         |                       |                        |                            |       |                         |
| 17P. Heptachlor Epoxide (1024-57-3)           |                 |                  | X                | <0.003                 | <0.419   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.003                     | <1.49 | 1                       |
| 18P. PCB-1242 (53469-21-9)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 19P. PCB-1254 (11097-69-1)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 20P. PCB-1221 (11104-28-2)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 21P. PCB-1232 (11141-16-5)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 22P. PCB-1248 (12672-29-6)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 23P. PCB-1260 (11096-82-5)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 24P. PCB-1016 (12674-11-2)                    |                 |                  | X                | <0.005                 | <0.699   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.005                     | <2.48 | 1                       |
| 25P. Toxaphene (8001-35-2)                    |                 |                  | X                | <0.003                 | <0.419   |  |          |   |          | 1                       | mg/l                  | lb/day                 | <0.003                     | <1.49 | 1                       |