



**Boston Edison**

Pilgrim Nuclear Power Station  
Rocky Hill Road  
Plymouth, Massachusetts 02360

**E. T. Boulette, PhD**  
Senior Vice President — Nuclear

October 25, 1995  
5.95.088

Mr. Kevin McSweeney, Chief  
Compliance Branch  
U. S. Environmental Protection Agency  
J.F.K. Federal Building  
Boston, MA 02203

Attn: Ms. Olga Vergara

Re: NPDES Permit Renewal Application  
Pilgrim Station

Dear Mr. McSweeney:

In accordance with the Consolidated Permits Regulations under Title 40, Code of Federal Regulations, Parts 122, 123, 124 and 125 (Revised July 1, 1994), Boston Edison is applying for renewal of our National Pollutant Discharge Elimination System (NPDES) Permit under the Clean Water Act using Forms 1 and 2C of the consolidated permits application forms at Pilgrim Nuclear Power Station (NPDES #MA0003557). Comments are noted below:

- 1) Similar to Boston Edison Company's previous permit application in 1990 for our current Pilgrim Station NPDES Permit, the following requests and information are provided regarding this renewal application:
  - A. Outfalls 001 (Condenser Cooling Water), 002 (Thermal Backwash), and 010 (Plant Service Cooling Water) are once-through discharge points whose sole source of water is the Cape Cod Bay. Therefore, we believe that they should be classified as identical outfalls. Outfalls 003 (Intake Screen Wash) and 008 (Sea Foam Suppression) utilize Cape Cod Bay water and/or Plymouth town water stored as Pilgrim Fire Water. For the pollutants listed in Parts B and C of Item V, we believe that, except for ambient levels, they are generally not present for these discharge points. Therefore, we would like the sampling requirements for these pollutants, at these outfalls, generally suspended. It is also requested that sampling/analysis be waived for BOD, COD, TOC, TSS and ammonia at 001, 002, 003, 008 and 010 outfalls because they are non-process industrial discharge whose water source is classified as SA quality or potable water and are, therefore, not expected to influence these parameters.

500127

9510310377 951025  
PDR ADOCK 05000293  
P PDR

Cool  
1/1

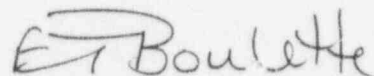
- B. For outfall numbers 001, 002, 003, 008 and 010, limited analyses were performed. For outfall number 001, the discharge is only treated with chlorine which is required to be monitored and not exceed 0.1 ppm TRC. Similarly, nothing is chemically added to 002 or 008, only sodium thiosulfate is added to 003 as a dechlorination agent, and only chlorine is added to 010 with chlorination monitoring required to maintain permit limits of 0.5 ppm daily average and 1.0 ppm daily maximum TRC, prior to mixing with condenser cooling waters. Analyses for cobalt, iron and titanium were performed for outfall numbers 001, 002 and 010 because there was a possibility of these constituents being present. An analysis for sulfate was performed for outfall number 003 because of the sodium thiosulfate addition. Protocol references and sampling strategies are noted in Attachment A.
  - C. For all outfalls in Item V Parts B and C, we have marked an "X" in the "believed present" or "believed absent" column for pollutant.
  - D. All temperature and pH data were taken from actual operating data rather than from grab samples.
- 2) The following changes have been adopted in the permit since the last application:
- A. A modification of the Pilgrim Station NPDES permit was approved and issued effective August 30, 1994, containing various discharge changes.
  - B. A letter from EPA to Boston Edison dated June 30, 1995, approved the use of Tolytriazole, a corrosion inhibitor, in various Pilgrim Station systems.
  - C. Via telecon between the EPA and Boston Edison on December 16, 1994, (BECO Telecon #4.94.038), approval was granted to use Pilgrim Station storm drain #007 for the intermittent discharge of untreated seawater from the condenser scavenger tank.
- 3) Boston Edison requests that the five storm drains, Outfalls 004, 005, 006, 007, and a miscellaneous storm drain, be covered under the NPDES General Permit for Storm Water Discharges Associated with Industrial Activity (Permit No. MAR000000) upon expiration of the current NPDES permit. The Massachusetts Department of Environmental Protection has formally determined that the storm water discharges at the facility can be covered under the General Permit per the September 11, 1995, letter from Paul Hogan (Attachment B). Two days prior to expiration of the current NPDES permit, a Notice of Intent (NOI) will be submitted to EPA per Part II of the Preface of the General Permit.

Mr. Kevin McSweeney  
U.S. Environmental Protection Agency  
October 25, 1995  
Page Three

- A. The miscellaneous storm drain located at the boat launch between Outfalls 006 and 007 was noted during a recent site visit. It drains a small portion of the facility which is similar to the drainage areas for Outfalls 004, 005, 006 and 007. Stormwater runoff from the miscellaneous outfall is expected, therefore, to be similar to runoff from the other four outfalls.
- 4) The impacts associated with the Pilgrim Station 316(a) and 316(b) demonstration document (July 1975) and supplement (September 1977), submitted in conformance with Federal Water Pollution Control Act (The Clean Water Act), have not changed significantly.
- 5) Pilgrim Station discharges in the coastal zone comply with the policies of the Massachusetts approved coastal management program and will be conducted in a manner consistent with such policies.

I trust that these additional comments will meet your requirements and that our application is complete.

If you have any questions, please contact Mr. Robert D. Anderson of my staff at (508) 830-7935.



E. T. Boulette, PhD  
Senior Vice President - Nuclear

cc: Mr. Paul Hogan  
Massachusetts Department of Environmental Protection  
Regulatory Branch - 7th Floor  
One Winter Street  
Boston, MA 02108

Mr. Rick Zeroka  
Massachusetts Coastal Zone Management  
100 Cambridge Street, Floor 20  
Boston, MA 02202

U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Senior Resident Inspector, Pilgrim Station



Consulting • Engineering • Remediation

35 Nagog Park  
Acton, MA 01720  
(508) 635-9500  
FAX (508) 635-9180

September 19, 1995

ENSR Ref. No: 0970-013  
ENSR Doc. No: 550-JWJ-700

Mr. Robert D. Anderson  
Principal Marine Biologist  
Regulatory Affairs and Emergency Preparedness  
Boston Edison Company  
Pilgrim Nuclear Power Station  
800 Rocky Hill Road  
Plymouth, MA 02360-5599

Dear Mr. Anderson:

ENSR is pleased to submit this letter in support of the NPDES permit renewal package for the Pilgrim Nuclear Power Station (NPDES # MA0003557). ENSR has assisted Boston Edison in this effort by coordinating the collection and analysis of discharge samples at selected locations, preparing analytical reports and completing the EPA NPDES permit renewal application materials (i.e. Forms 1 and 2C).

ENSR's subcontractor, Thermo Analytical (TMA) Services performed all analytical services. TMA is fully certified to perform all the required analyses using analytical methods and quality assurance/quality control protocols (or equivalent methods) consistent with state and federal requirements. In addition, ENSR performed its own quality assurance review on the analytical results. Each analysis was performed within the protocols established in the following references:

- Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020); USEPA, Cincinnati, OH.
- Standard Methods for the Examination of Water and Wastewater; American Public Health Association, Washington, D.C.
- Guidelines Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act (40 CFR Part 136).
- Test Methods for Evaluating Solid Wastes, SW-846, USEPA, Office of Solid Waste and Emergency Response, Washington; Third Edition.

The exact method references, sampling, preparation, analytical dates, quality assurance/quality control and reporting limits are contained within the ENSR analytical





report entitled "Sampling and Analysis of Wastewater, NPDES Monitoring for the Pilgrim Nuclear Power Station".

Please contact us if there are any questions regarding the permit renewal application and the analyses performed to complete it.

Sincerely,

A handwritten signature in cursive script, appearing to read "James W. Jolley".

James W. Jolley  
Project Manager



Commonwealth of Massachusetts  
Executive Office of Environmental Affairs

**Department of  
Environmental Protection**  
Office of Watershed Management

William F. Weld  
Governor

Trudy Coxe  
Secretary, ECEA

David B. Struhs  
Commissioner

September 11, 1995

James Jolley  
ENSR Consulting and Engineering  
35 Nagog Park  
Acton, MA 01720

Re: BECo Pilgrim Nuclear Power Station  
Storm Water Discharges and Permits

Dear Mr. Jolley:

The Massachusetts Department of Environmental Protection has reviewed the storm water data which you submitted for the referenced facility. The Department has determined that the storm water discharges at the facility can be covered under the General Storm Water Permit (USEPA: 25 SEP 92). The Department feels that implementation of a storm water pollution prevention plan as required by the General Permit will enable the facility to avoid the storm water pollutant loading problems which were evident prior to 1994. The company should be reminded that the Department and USEPA can require an individual permit (with more restrictive conditions) if there is a demonstrated water quality standards violations as a result of storm water discharges.

If you have any questions concerning this determination, please contact me at your earliest convenience.

Respectfully,

*Paul Hogan*

Paul Hogan  
Surface Water Discharge Permit Program

cc: J. Mahala, MADEP-SERO  
S. Halterman, MADEP-OWM  
J. Brolin, USEPA-WMB

<b>FORM</b> <b>1</b> <b>GENERAL</b>		<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>GENERAL INFORMATION</b> <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i>	<b>I. EPA I.D. NUMBER</b> <div style="border: 1px solid black; padding: 2px;">             F M A 0 0 0 3 5 5 7           </div>																																																						
<b>II. POLLUTANT CHARACTERISTICS</b> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>INSTRUCTIONS:</b> 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.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SPECIFIC QUESTIONS</th> <th colspan="3">MARK "X"</th> <th rowspan="2">SPECIFIC QUESTIONS</th> <th colspan="3">MARK "X"</th> </tr> <tr> <th>YES</th> <th>NO</th> <th>FORM ATTACHED</th> <th>YES</th> <th>NO</th> <th>FORM ATTACHED</th> </tr> </thead> <tbody> <tr> <td>A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)</td> <td></td> <td style="text-align: center;">X</td> <td></td> <td>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)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>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)</td> <td style="text-align: center;">X</td> <td></td> <td style="text-align: center;">X</td> <td>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)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td>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)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>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)</td> <td></td> <td style="text-align: center;">X</td> <td></td> <td>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)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>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? 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Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists 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.</p>	
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PLEASE PLACE LABEL IN THIS SPACE

**II. POLLUTANT CHARACTERISTICS**

**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.

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**III. NAME OF FACILITY**

1	SKIP	PILGRIM NUCLEAR POWER STATION
---	------	-------------------------------

**IV. FACILITY CONTACT**

<b>A. NAME &amp; TITLE (last, first, &amp; title)</b>	<b>B. PHONE (area code &amp; no.)</b>
2 TED SULLIVAN PLANT MANAGER	5 0 8 8 3 0 7 9 0 0

**V. FACILITY MAILING ADDRESS**

<b>A. STREET OR P.O. BOX</b>			
3 600 ROCKY HILL ROAD			
<b>B. CITY OR TOWN</b>		<b>C. STATE</b>	<b>D. ZIP CODE</b>
4 PLYMOUTH		MA	0 2 3 6 0

**VI. FACILITY LOCATION**

<b>A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER</b>					
5 ROCKY HILL ROAD					
<b>B. COUNTY NAME</b>				<b>C. CITY OR TOWN</b>	
PLYMOUTH				PLYMOUTH	
<b>D. STATE</b>		<b>E. ZIP CODE</b>		<b>F. COUNTY CODE (if known)</b>	
MA		0 2 3 6 0			

CONTINUED FROM THE FRONT

## VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
C	7	4	9	C	7		
13	14	15	16	13	14	15	16
(specify) generation, transmission and distribution of electricity				(specify)			
C. THIRD				D. FOURTH			
C	7			C	7		
13	14	15	16	13	14	15	16
(specify)				(specify)			

## VIII. OPERATOR INFORMATION

A. NAME		B. Is the name listed in Item VIII-A also the owner?	
C	8 BOSTON EDISON COMPANY	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
13	16	66	
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)	C	A
S = STATE	O = OTHER (specify)	13	15
P = PRIVATE		16	18
P	(specify)	19	21
90		22	25
E. STREET OR P.O. BOX		617 424 2000	
800 BOYLSTON STREET			
29		50	
F. CITY OR TOWN		G. STATE	H. ZIP CODE
C	B	MA	02199
13	16	40	41
BOSTON		42	47
		48	51
IX. INDIAN LAND			
Is the facility located on Indian lands?			
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
52			

## X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)				D. PSD (Air Emissions from Proposed Sources)			
C	9	N	MA0003557	C	9	P	
13	14	15	16	13	14	15	16
B. UIC (Underground Injection of Fluids)				E. OTHER (specify)			
C	9	U		C	9		
13	14	15	16	13	14	15	16
C. RCRA (Hazardous Wastes)				E. OTHER (specify)			
C	9	R	MAD097454599	C	9		
13	14	15	16	13	14	15	16
				(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)

Boston Edison is a privately owned electric utility engaged in the generation, transmission and distribution of electrical energy.

## XIII. CERTIFICATION (see instructions)

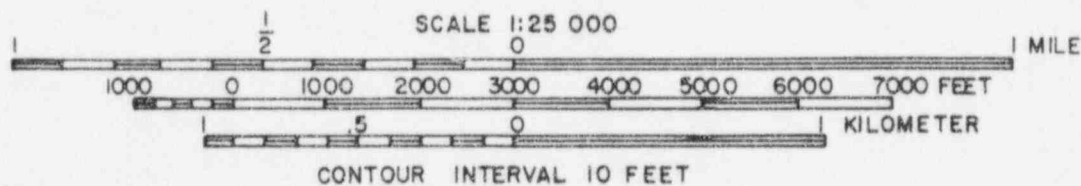
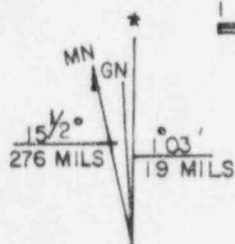
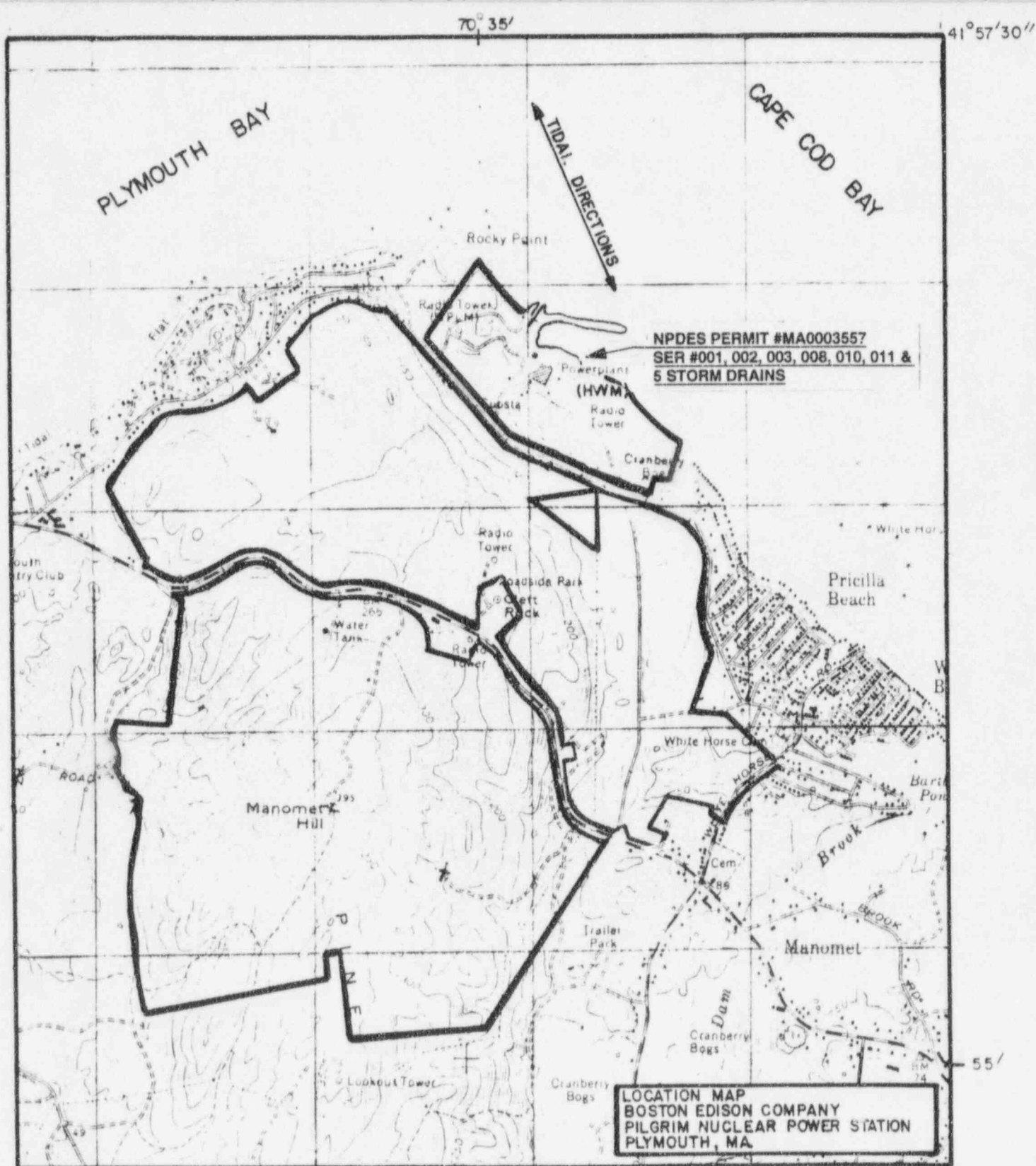
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information 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
Mr. E.T. Boulette Senior Vice President - Nuclear	E.T. Boulette	10/24/95

## COMMENTS FOR OFFICIAL USE ONLY

C
13





UTM GRID AND 1974 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

MANOMET, MASS.  
N4152.5 - W7030.7.5

1977



FORM  
2C  
NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER  
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS  
Consolidated Permits Program

**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 NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	41°	56	30	70°	35'	00	Cape Cod Bay
002	41°	56	30	70°	35'	00	Cape Cod Bay
003	41°	56	30	70°	35'	00	Cape Cod Bay
008	41°	56	30	70°	35'	00	Cape Cod Bay
010	41°	56	30	70°	35'	00	Cape Cod Bay
011	41°	56	30	70°	35'	00	Cape Cod Bay

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES**

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

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

1. OUTFALL NO (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Condenser Cooling Water	447 MGD	Chlorine	2	F
			Ocean Discharge through Outfall	4	B
002	Thermal Backwash for Bio-fouling Control	224 MGD	None	X	X
			Ocean Discharge through Outfall	4	B
003	Intake Screen Wash (Fish Sluice Water)	4.10 MGD	Dechlorination	2	E
			Ocean Discharge through Outfall	4	B
008	Sea Foam Suppression Discharge	0.73 MGD	None	X	X
			Ocean Discharge through Outfall	4	B
010	Plant Service Cooling Water	19.4 MGD	Chlorine	2	F
			Ocean Discharge through Outfall	4	B
011	Makeup Water and Demineralizer	0.015 MGD	Neutralizing	2	K
	Waste Discharge		Ocean Discharge through Outfall	4	B

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 II-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				
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		c. DUR- ATION (in days)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
002	Thermal Backwash for Bio-fouling Control	1	8	224	255	224 MG	255 MG	4 hrs/day
003	Intake Screen Wash (Fish Sluice Water)	7	12	4.1	4.1	4.1 MG	4.1 MG	6 hrs/day
008	Sea Foam Suppression Discharge	1	8	0.73	0.73	0.73 MG	0.73 MG	2 hrs/day
011	Makeup Water and Demineralizer	1	12	0.015	0.06	0.015	0.06 MG	2 hrs/day

## 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)	

## 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 waste-water 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 COM- PLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. RE- QUIRED	b. PRO- JECTED

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 PROGRAMS IS ATTACHED

MA 0003557

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.

[illegible]

## 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)

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)

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 analysed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Thermo Analytical	300 Second Avenue Waltham, MA 02254	(617)890-7200	All Analyses except TSS, TRO, Boron (These analyses performed at PNPS Chemistry Laboratory)

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 designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (type or print)  
Mr. E.T. Boulette, Senior Vice President - Nuclear

B. PHONE NO. (area code & no.)  
(508)830-8814

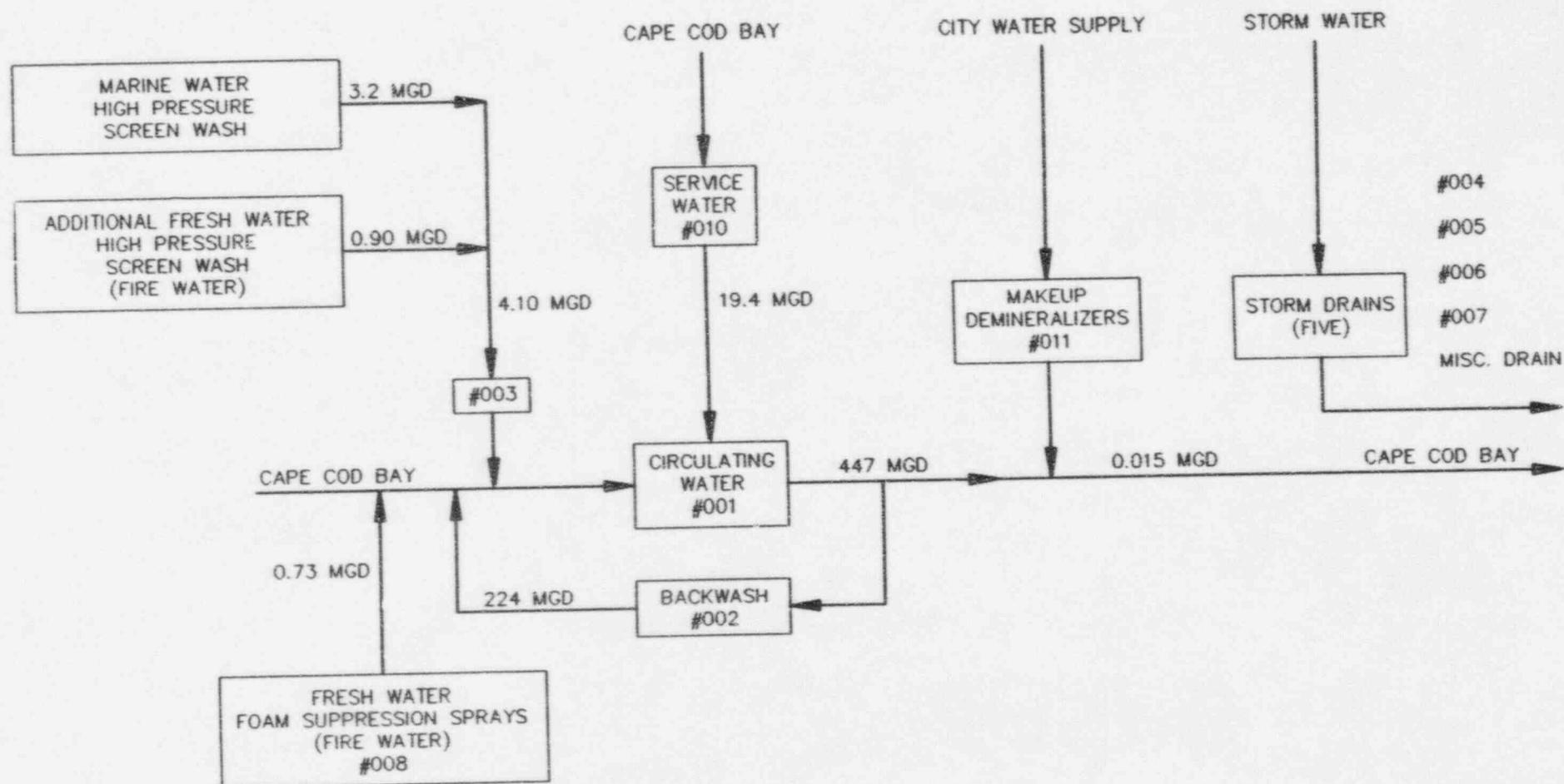
C. SIGNATURE

*E.T. Boulette*

D. DATE SIGNED

10/24/95

WATER FLOW DIAGRAM  
PILGRAM NUCLEAR POWER STATION  
PLYMOUTH, MA





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)

MA 0003557

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

001

**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						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)												
e. Ammonia (as N)												
f. Flow	VALUE		VALUE		VALUE		*	MGD		VALUE		
g. Temperature (winter)	VALUE		VALUE		VALUE		*	°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE		*	°C		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	X		*	STANDARD UNITS	X			
	7.5	8.5										

**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 or 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. (if available)	2. MARK 'X'		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		0.09	174	0.09	174	0.02	38.5	9	MG/L	KG			
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												

## ITEM V.B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL. VSES
	a. se- lected sent	b. se- lected sent	7. MAXIMUM DAILY VALUE		8. LONG TERM AVG. VALUE (if available)		9. CONCENTRATION	10. MASS	11. AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X									
h. Oil and Grease		X									
i. Phosphorus (as P), Total (7723-14-0)		X									
j. Radioactivity											
(1) Alpha, Total		X									
(2) Beta, Total		X									
(3) Radium, Total		X									
(4) Radium 226, Total		X									
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)		X									
l. Sulfide (as S)		X									
m. Sulfite (as SO <sub>3</sub> ) (14266-46-3)		X									
n. Surfactants											
o. Aluminum, Total (7429-90-6)		X									
p. Barium, Total (7440-39-3)		X									
q. Boron, Total (7440-42-8)		X									
r. Cobalt, Total (7440-48-4)	X		<0.010	0.0				MG/L	KG		1
s. Iron, Total (7439-89-6)	X		0.0875	169				MG/L	KG		1
t. Magnesium, Total (7439-95-4)		X									
u. Molybdenum, Total (7439-98-7)		X									
v. Manganese, Total (7439-96-6)		X									
w. Tin, Total (7440-31-8)		X									
x. Titanium, Total (7440-32-6)	X		<0.010	0.0				MG/L	KG		1

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
MA 0003557	001

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

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 that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-92-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-dioxin (1754-01-6)			X	DESCRIBE RESULTS											

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CONTINUED FROM THE FRONT													
1. POLLUTANT AND CAS NUMBER (if available)		2. MARK "X"			3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANALYSES
		TEST INQUIRY	TEST EQUIPMENT	TEST SENT	8. MAXIMUM DAILY VALUE (if available)	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	8. LONG TERM AVERAGE VALUE (if available)	(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS													
1V. Acrolein (107-02-8)													
2V. Acrylonitrile (107-13-1)													
3V. Benzene (71-43-2)													
4V. Bis (Chloromethyl) Ether (542-88-1)													
5V. Bromoform (75-25-2)													
6V. Carbon Tetrachloride (56-23-5)													
7V. Chlorobenzene (108-90-7)													
8V. Chlorodibromomethane (124-48-1)													
9V. Chloroethane (75-00-3)													
10V. 2-Chloroethylvinyl Ether (110-75-8)													
11V. Chloroform (67-66-3)													
12V. Dichlorobromomethane (75-27-4)													
13V. Dichlorodifluoromethane (75-71-8)													
14V. 1,1-Dichloroethane (75-34-3)													
15V. 1,2-Dichloroethane (107-06-2)													
16V. 1,1-Dichloroethylene (75-35-4)													
17V. 1,2-Dichloropropane (78-87-5)													
18V. 1,3-Dichloropropylene (542-75-6)													
19V. Ethylbenzene (100-41-4)													
20V. Methyl Bromide (74-83-9)													
21V. Methyl Chloride (74-87-3)													



CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1) MA 0003557

OUTFALL NUMBER  
001Form Approved  
OMB No. 2040-0086  
Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ASSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (89-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												



MA 0003557

001

CONTINUED FROM THE FRONT

CONTINUED FROM THE FRONT										
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
	TEST EQUIP. NO.	EST. CONC. AS SENT	8. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		B. LONG TERM AVERAGE VALUE	D. NO. OF ANAL. YRS.
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS										
18. Acenaphthene (83-32-9)		X								
28. Acenaphthylene (208-96-8)		X								
38. Anthracene (120-12-7)		X								
48. Benzidine (92-87-5)		X								
58. Benzo (a) Anthracene (56-55-3)		X								
68. Benzo (a) Pyrene (50-32-8)		X								
78. 3,4-Benzofluoranthene (205-99-2)		X								
88. Benzo (ghi) Perylene (191-24-2)		X								
98. Benzo (k) Fluoranthene (207-08-9)		X								
108. Bis (2-Chloroethoxy) Methane (111-91-1)		X								
118. Bis (2-Chloroethyl) Ether (111-44-4)		X								
128. Bis (2-Chloropropyl) Ether (102-60-1)		X								
138. Bis (2-Ethylhexyl) Phthalate (117-81-7)		X								
148. 4-Bromophenyl Phenyl Ether (101-55-3)		X								
158. Butyl Benzyl Phthalate (85-68-7)		X								
168. 2-Chloronaphthalene (91-58-7)		X								
178. 4-Chlorophenyl Phenyl Ether (7005-72-3)		X								
188. Chrysene (218-01-9)		X								
198. Dibenzo (a,h) Anthracene (53-70-3)		X								
208. 1,2-Dichlorobenzene (95-50-1)		X								
218. 1,3-Dichlorobenzene (541-73-1)		X								

FDA Form 3510-3C (Rev. 2-85)

PAGE V.8

CONTINUE ON PAGE

CONTINUED FROM PAGE V-6

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

MA 0003557

OUTFALL NUMBER

001

Form Approved  
OMB No. 2040-0056  
Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST ING RE- QUIR- ED	b. DE- LIEVED PRE- SENT	c. DE- LIEVED PRE- SENT	8. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	8. CONCENTRATION	b. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X												
23B. 3,3'-Dichlorobenzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X												
25B. Dimethyl Phthalate (131-11-3)			X												
26B. Di-N-Butyl Phthalate (84-74-2)			X												
27B. 2,4-Dinitrotoluene (121-14-2)			X												
28B. 2,6-Dinitrotoluene (806-20-2)			X												
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X												
31B. Fluoranthene (206-44-0)			X												
32B. Fluorene (86-73-7)			X												
33B. Hexachlorobenzene (118-74-1)			X												
34B. Hexachlorobutadiene (87-68-3)			X												
35B. Hexachlorocyclopentadiene (77-47-4)			X												
36B. Hexachloroethane (67-72-1)			X												
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene (91-20-3)			X												
40B. Nitrobenzene (98-95-3)			X												
41B. N-Nitrosodimethylamine (62-75-9)			X												
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X												



ERA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
MA 0003557 001

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	USE OF POLLUTANT IN PROCESS	USE OF POLLUTANT IN WASTE	8. MAXIMUM DAILY VALUE (1) CONCENTRATION (2) MASS	9. MAXIMUM 30 DAY VALUE (1) CONCENTRATION (2) MASS	10. LONG TERM AVG. VALUE (1) CONCENTRATION (2) MASS	11. NO. OF ANAL. YES	12. CONCENTRATION	13. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS
GC/MS FRACTION -- PESTICIDES (continued)								
17P. Heptachlor Epoxide (1024-57-3)			X					
18P. PCB-1242 (53469-21-9)			X					
19P. PCB-1254 (11097-69-1)			X					
20P. PCB-1221 (11104-28-2)			X					
21P. PCB-1232 (11141-16-5)			X					
22P. PCB-1248 (12672-29-6)			X					
23P. PCB-1260 (11096-82-5)			X					
24P. PCB-1016 (12674-11-2)			X					
25P. Toxaphene (8001-35-2)			X					

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)

MA 0003557

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

OUTFALL NO.

002

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						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)												
e. Ammonia (as N)												
f. Flow	VALUE 255		VALUE		VALUE		*	MGD		VALUE		
g. Temperature (winter)	VALUE 17°		VALUE		VALUE		*	°C		VALUE		
h. Temperature (summer)	VALUE 34		VALUE		VALUE		*	°C		VALUE		
i. pH	MINIMUM 7.5	MAXIMUM 8.5	MINIMUM	MAXIMUM			*	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 or 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. (if available)	2. MARK "X"		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												



## ITEM V-8 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)				6. NO. OF ANAL. YSES
	a. SE. LIVES RECEIVED SENT	b. SE. LIVES RECEIVED SENT	8. MAXIMUM DAILY VALUE		c. LONG TERM AVER. VALUE (if available)		9. CONCENTRATION	10. MASS	11. AVERAGE VALUE		12. MASS		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS			
g. Nitrogen, Total Organic (as N)		X											
h. Oil and Grease		X											
i. Phosphorus (as P), Total (7723-14-0)		X											
j. Radioactivity													
(1) Alpha, Total		X											
(2) Beta, Total		X											
(3) Radium, Total		X											
(4) Radium 226, Total		X											
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)		X											
l. Sulfide (as S)		X											
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X											
n. Surfactants		X											
o. Aluminum, Total (7429-90-5)		X											
p. Barium, Total (7440-39-3)		X											
q. Boron, Total (7440-42-8)		X											
r. Cobalt, Total (7440-48-4)	X		<0.010	0.0					1	MG/L		KG	
s. Iron, Total (7439-89-6)	X		0.0385	8.12					1	MG/L		KG	
t. Magnesium, Total (7439-95-4)		X											
u. Molybdenum, Total (7439-98-7)		X											
v. Manganese, Total (7439-96-5)		X											
w. Tin, Total (7440-31-5)		X											
x. Titanium, Total (7440-32-6)	X		<0.010	0.0					1	MG/L		KG	

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
MA 0003557	002

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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 that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-92-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

## CONTINUED FROM THE FRONT

1. POLLUTANT NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL YSES	
	TEST QUANTITY L.D.	D. SEC. ANAL. PAC. SENT	D. SEC. ANAL. PAC. SENT	8. MAXIMUM DAILY VALUE (1) CONCENTRATION	D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)	D. NO. OF ANAL. YSES	R. CONCENTRATION	U. MASS		S. LONG TERM AVERAGE VALUE (1) CONCENTRATION
					(1) CONCENTRATION	(2) MASS						
GC/MS FRACTION - VOLATILE COMPOUNDS												
1V. Acrolein (107-02-8)												
2V. Acrylonitrile (107-13-1)												
3V. Benzene (71-43-2)												
4V. Bis (Chloro- methyl) Ether (542-88-1)												
5V. Bromoform (75-25-2)												
6V. Carbon Tetrachloride (56-23-5)												
7V. Chlorobenzene (108-90-7)												
8V. Chlorodi- bromomethane (124-48-1)												
9V. Chloroethane (75-00-3)												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)												
11V. Chloroform (67-66-3)												
12V. Dichloro- bromomethane (75-27-4)												
13V. Dichloro- difluoromethane (75-71-8)												
14V. 1,1-Dichloro- ethane (75-34-3)												
15V. 1,2-Dichloro- ethane (107-06-2)												
16V. 1,1-Dichloro- ethylene (75-35-4)												
17V. 1,2-Dichloro- propane (78-87-5)												
18V. 1,3-Dichloro- propylene (542-75-6)												
19V. Ethylbenzene (100-41-4)												
20V. Methyl Bromide (74-83-9)												
21V. Methyl Chloride (74-87-3)												

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
MA 0003557OUTFALL NUMBER  
002Form Approved  
OMB No. 2040-0086  
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. DE-RIEVED PRESENT	c. RE-RIEVED AS SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												



MA 0003557

002

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT			4. UNITS		5. INTAKE (optional)	
	TESTING QUANTITY	CONC. SENT	8. MAXIMUM DAILY VALUE (i) CONCENTRATION (j) MASS	9. MAXIMUM 30 DAY VALUE (i) CONCENTRATION (j) MASS	10. LONG TERM AVERAGE VALUE (i) CONCENTRATION (j) MASS	11. CONCENTRATION	12. MASS	13. LONG TERM AVERAGE VALUE (i) CONCENTRATION (j) MASS	14. NO. OF ANAL YSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS									
1B. Acenaphthene (83-32-9)									
2B. Acenaphthylene (208-96-8)									
3B. Anthracene (120-12-7)									
4B. Benzidine (92-87-5)									
5B. Benzo (a) Anthracene (56-55-3)									
6B. Benzo (a) Pyrene (50-32-8)									
7B. 3,4-Benzofluoranthene (206-99-2)									
8B. Benzo (ghi) Perylene (191-24-2)									
9B. Benzo (k) Fluoranthene (207-08-9)									
10B. Bis (2-Chloroethoxy) Methane (111-91-1)									
11B. Bis (2-Chloroethyl) Ether (111-44-4)									
12B. Bis (2-Chloropropyl) Ether (102-60-1)									
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)									
14B. 4-Bromophenyl Phenyl Ether (101-95-3)									
15B. Butyl Benzyl Phthalate (85-68-7)									
16B. 2-Chloronaphthalene (91-58-7)									
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)									
18B. Chrysene (218-01-9)									
19B. Dibenzo (a,h) Anthracene (53-70-3)									
20B. 1,2-Dichlorobenzene (95-60-1)									
21B. 1,3-Dichlorobenzene (541-73-1)									

EPA Form 3510-2C (Rev. 2-85)

PAGE V-6

CONTINUE ON PAGE V

CONTINUED FROM PAGE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1) MA 0003557

OUTFALL NUMBER  
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OMB No. 2040-0086  
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST ING. RE- QUI- RE	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CON- CENT- RATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENT- RATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichloro- benzene (106-46-7)			X												
23B. 3,3'-Dichloro- benzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X												
25B. Dimethyl Phthalate (131-11-3)			X												
26B. Di-N-Butyl Phthalate (84-74-2)			X												
27B. 2,4-Dinitro- toluene (121-14-2)			X												
28B. 2,6-Dinitro- toluene (506-20-2)			X												
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X												
31B. Fluorethane (206-44-0)			X												
32B. Fluorene (86-73-7)			X												
33B. Hexachlorobenzene (118-74-1)			X												
34B. He- chlorobenzene (87-68-3)			X												
35B. Hexachloro- cyclopentadiene (77-47-4)			X												
36B. Hexachloro- ethane (67-72-1)			X												
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene (91-20-3)			X												
40B. Nitrobenzene (98-95-3)			X												
41B. N-Nitro- sodimethylamine (62-75-9)			X												
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X												

MA 0003557

002

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	ATTACH TO BE SUBMITTED TO EPA	CSE-1000	A. MAXIMUM DAILY VALUE (if available)	B. MAXIMUM 30 DAY VALUE (if available)	C. LONG TERM AVERAGE VALUE (if available)	D. NO. OF ANAL YSES	E. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	F. NO. OF ANAL YSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)								
43B. N Nitro-sodiphenylamine (66-30-6)		X						
44B. Phenanthrene (85-01-8)		X						
45B. Pyrene (129-00-0)		X						
46B. 1,2,4 - Tri-chlorobenzene (120-82-1)		X						
GC/MS FRACTION - PESTICIDES								
1P. Aldrin (309-00-2)		X						
2P. G-BHC (319-84-6)		X						
3P. $\beta$ BHC (319-85-7)		X						
4P. $\gamma$ BHC (58-89-9)		X						
5P. $\delta$ BHC (319-86-8)		X						
6P. Chlordane (57-74-9)		X						
7P. 4,4'-DDT (50-29-3)		X						
8P. 4,4'-DDE (72-55-9)		X						
9P. 4,4'-DDD (72-54-8)		X						
10P. Dieldrin (60-57-1)		X						
11P. D-Endosulfan (115-29-7)		X						
12P. $\beta$ Endosulfan (115-29-7)		X						
13P. Endosulfan Sulfate (1031-07-8)		X						
14P. Endrin (72-20-8)		X						
15P. Endrin Aldehyde (7421-93-4)		X						
16P. Heptachlor (76-44-8)		X						

EPA I.D. NUMBER (copy from Item 1) of Form 1) OUTFALL NUMBER  
MA 0003557 002

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)		
	EST. NO. OF DISCHARGES	EST. NO. OF DISCHARGES	EST. NO. OF DISCHARGES	A. MAXIMUM DAILY VALUE (if available)	B. MAXIMUM 30 DAY VALUE (if available)	C. LONG TERM AVERAGE VALUE (if available)	D. NO. OF ANALYSES	E. CONCEN-TRATION	F. MASS	G. LONG TERM AVERAGE VALUE (if available)	H. CONCEN-TRATION	I. NO. OF ANALYSES
<b>GC/MS FRACTION — PESTICIDES (continued)</b>												
17P. Heptachlor Epoxide (1024-57-3)			X									
18P. PCB-1242 (53469-21-9)			X									
19P. PCB-1254 (11097-69-1)			X									
20P. PCB-1221 (11104-28-2)			X									
21P. PCB-1232 (11141-16-5)			X									
22P. PCB-1248 (12672-29-6)			X									
23P. PCB-1260 (11098-82-5)			X									
24P. PCB-1016 (12674-11-2)			X									
25P. Toxaphene (6001-35-2)			X									



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.

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OUTFALL NO

003

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

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

1. POLLUTANT	2. EFFLUENT								3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
a. Biochemical Oxygen Demand (BOD)													
b. Chemical Oxygen Demand (COD)													
c. Total Organic Carbon (TOC)													
d. Total Suspended Solids (TSS)													
e. Ammonia (as N)													
f. Flow	VALUE 4.1		VALUE		VALUE		*	MGD		VALUE			
g. Temperature (winter)	VALUE 9°		VALUE		VALUE		*	°C		VALUE			
h. Temperature (summer)	VALUE 16°		VALUE		VALUE		*	°C		VALUE			
i. pH	MINIMUM 7.5	MAXIMUM 8.5	MINIMUM	MAXIMUM	X		*	STANDARD UNITS	X				

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 or 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. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
a. Bromide (24959-67-9)		X													
b. Chlorine, Total Residual		X													
c. Color		X													
d. Fecal Coliform		X													
e. Fluoride (16984-48-8)		X													
f. Nitrate-Nitrite (as N)		X													

## ITEM V-8 CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT				4. TESTS				5. INTAKE (optional)		6. NO. OF ANAL YSES
	a. PRESENT	b. PRESENT	8. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		CLONG TERM AVER. VALUE (if available)		c. CONCENTRATION	d. MASS	e. CONCENTRATION	f. MASS	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS					
g. Nitrogen, Total Organic (as N)		X											
h. Oil and Grease		X											
i. Phosphorus (as P), Total (7723-14-0)		X											
j. Radioactivity													
(1) Alpha, Total		X											
(2) Beta, Total		X											
(3) Radium, Total		X											
(4) Radium 226, Total		X											
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		2,540	27,600									
l. Sulfide (as S)		X											
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X											
n. Surfactants		X											
o. Aluminum, Total (7429-90-5)		X											
p. Barium, Total (7440-39-3)		X											
q. Boron, Total (7440-42-8)		X											
r. Cobalt, Total (7440-48-4)		X											
s. Iron, Total (7439-89-6)		X											
t. Magnesium, Total (7439-95-4)		X											
u. Molybdenum, Total (7439-98-7)		X											
v. Manganese, Total (7439-96-5)		X											
w. Tin, Total (7440-31-8)		X											
x. Titanium, Total (7440-32-8)		X											

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

OUTFALL NUMBER

MA 0003557

003

Form Approved

OMB No. 2040-0086

Approval expires 7-31-88

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-b (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 that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST ING RE-QUIR-ED	b. BE-LIEVED PRE-SENT	c. BE-LIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL-YSES	b. CONCEN-TRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-92-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												
<b>DIOXIN</b>															
1,3,7,8-Tetra-chlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT			4. UNITS			5. INTAKE (optional)		
	TESTS INQUIRY SENT	C. RE-ANALYSIS SENT	B. MAXIMUM DAILY VALUE (1) CONCENTRATION (2) MASS	D. MAXIMUM (if available)		C. LONG TERM (if available)	B. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	A. NO. OF ANALYSES	B. CONCENTRATION	L. MASS	A. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS						
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>											
1V. Acrolein (107-02-8)			X								
2V. Acrylonitrile (107-13-1)			X								
3V. Benzene (71-43-2)			X								
4V. Bis (Chloromethyl) Ether (542-88-1)			X								
5V. Bromoform (75-25-2)			X								
6V. Carbon Tetrachloride (56-23-5)			X								
7V. Chlorobenzene (108-90-7)			X								
8V. Chlorodibromomethane (124-48-1)			X								
9V. Chloroethane (75-00-3)			X								
10V. 2-Chloroethylvinyl Ether (110-75-8)			X								
11V. Chloroform (67-66-3)			X								
12V. Dichlorobromomethane (75-27-4)			X								
13V. Dichlorodifluoromethane (75-71-8)			X								
14V. 1,1-Dichloroethene (75-34-3)			X								
15V. 1,2-Dichloroethene (107-06-2)			X								
16V. 1,1-Dichloroethylene (75-35-4)			X								
17V. 1,2-Dichloropropane (78-87-5)			X								
18V. 1,3-Dichloropropylene (542-75-6)			X								
19V. Ethylbenzene (100-41-4)			X								
20V. Methyl Bromide (74-83-9)			X								
21V. Methyl Chloride (74-87-3)			X								



EPA I.D. NUMBER (copy from Item 1 of Form 1) MA 0003557  
OUTFALL NUMBER 003

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	8. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	8. CONCENTRATION	d. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												

## CONTINUED FROM THE FRONT

CONTINUED FROM THE FRONT										3. EFFLUENT										4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL. YES
1. POLLUTANT AND CAS NUMBER (if available)		2. MARK 'X'			8. MAXIMUM DAILY VALUE			D. MAXIMUM 30 DAY VALUE (if available)			C. LONG TERM AVERAGE VALUE (if available)			B. CONCENTRATION		B. MASS		B. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS		6. NO. OF ANAL. YES				
		TEST METHOD	SEVERITY	SEVERITY	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS																								
1B. Acenaphthene (83-32-9)																								
2B. Acenaphthylene (208-96-8)																								
3B. Anthracene (120-12-7)																								
4B. Benzidine (92-87-5)																								
5B. Benzo (a) Anthracene (56-95-3)																								
6B. Benzo (a) Pyrene (50-32-8)																								
7B. 3,4-Benzo-fluoranthene (205-99-2)																								
8B. Benzo (ghi) Perylene (191-24-2)																								
9B. Benzo (h) Fluoranthene (207-08-9)																								
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)																								
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)																								
12B. Bis (2-Chloro-propyl) Ether (102-60-1)																								
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)																								
14B. 2-Bromo-phenyl Phenyl Ether (101-55-3)																								
15B. Butyl Benzyl Phthalate (85-68-7)																								
16B. 2-Chloro-naphthalene (91-58-7)																								
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)																								
18B. Chrysene (218-01-9)																								
19B. Dibenzo (a,h) Anthracene (53-70-3)																								
20B. 1,2-Dichloro-benzene (95-50-1)																								
21B. 1,3-Dichloro-benzene (541-73-1)																								

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
MA 0003557 003

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)			
	EPA CAS NO.	D. DE-CLASSIFIED DATE	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. CONCENTRATION	D. NO. OF ANAL. YES	E. LONG TERM AVERAGE VALUE		F. NO. OF ANAL. YES	
			CONCENTRATION	[i] MASS	CONCENTRATION	[i] MASS			[i] CONCENTRATION	[i] MASS		
												[i] CONCENTRATION
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)												
22B. 1,4-Dichlorobenzene (106-46-7)												
23B. 3,3'-Dichlorobenzidine (91-94-1)												
24B. Diethyl Phthalate (84-66-2)												
25B. Dimethyl Phthalate (131-11-3)												
26B. Di-N-Butyl Phthalate (84-74-2)												
27B. 2,4-Dinitrotoluene (121-14-2)												
28B. 2,6-Dinitrotoluene (606-20-2)												
29B. Di-N-Octyl Phthalate (117-84-0)												
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)												
31B. Fluoranthene (206-44-0)												
32B. Fluorene (86-73-7)												
33B. Hexachlorobenzene (118-74-1)												
34B. Hexachlorobutadiene (87-68-3)												
35B. Hexachlorocyclopentadiene (77-47-4)												
36B. Hexachloroethane (67-72-1)												
37B. Indeno (1,2,3-cd) Pyrene (193-39-6)												
38B. Isophorone (78-59-1)												
39B. Naphthalene (91-20-3)												
40B. Nitrobenzene (98-96-3)												
41B. N-Nitrosodimethylamine (62-75-9)												
42B. N-Nitrosodi-N-Propylamine (621-64-7)												

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1. POLLUTANT AND CAS NUMBER (if available)		2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL. YSES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		8. TEST NO. QUANT.	9. TEST NO. QUAL.	10. TEST NO. SEMI.	B. MAXIMUM DAILY VALUE		C. LONG TERM AVERAGE VALUE (if available)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)													B. CONCENTRATION		D. MASS		B. CONCENTRATION		D. MASS		B. LONG TERM AVERAGE VALUE (if available)		D. MASS		B. LONG TERM AVERAGE VALUE (if available)		D. MASS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
GC/MS FRACTION - PESTICIDES													B. CONCENTRATION		D. MASS		B. CONCENTRATION		D. MASS		B. LONG TERM AVERAGE VALUE (if available)		D. MASS		B. LONG TERM AVERAGE VALUE (if available)		D. MASS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43B. N Nitro-sodiphenylamine (86-30-6)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
MA 0003557 003

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST SOURCES X	B. SE- PAST SENT X	C. SE- PRESENT SENT X	D. MAXIMUM DAILY VALUE		E. MAXIMUM 30 DAY VALUE (if available)		F. LONG TERM AVG. VALUE (if available)		G. CONCENTRATION	H. MASS	I. NO. OF ANAL- YSES	J. CONCENTRATION	K. MASS	L. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												



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)

MA 0003557

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  
008

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

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION-	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)												
e. Ammonia (as N)												
f. Flow	VALUE 0.73		VALUE		VALUE		*	MGD		VALUE		
g. Temperature (winter)	VALUE 9°		VALUE		VALUE		*	°C		VALUE		
h. Temperature (summer)	VALUE 16°		VALUE		VALUE		*	°C		VALUE		
i. pH	MINIMUM 7.5	MAXIMUM 8.5	MINIMUM	MAXIMUM			*	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 or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUT- ANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. RE- CEIVED PRE- SENT	b. RE- CEIVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCEN- -RATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate- Nitrite (as N)		X												

ITEM V-8 CONTINUED FROM FRONT

ITEM V-B CONTINUED FROM FRONT										5. INTAKE (optional)		4. UNITS		3. EFFLUENT		2. MARK 'X'		1. POLLUTANT AND CAS NO. (if available)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
a. NO. OF ANAL- YSES	b. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	c. NO. OF ANAL- YSES	d. CONCENTRATION	e. MASS	f. NO. OF ANAL- YSES	g. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION (2) MASS	h. MAXIMUM 30 DAY VALUE (1) CONCENTRATION (2) MASS	i. MAXIMUM DAILY VALUE		j. RADIOACTIVITY		k. RE- LIVERED PER- CENT	l. RE- SENT PER- CENT	m. Nitrogen, Total Organic (as N)	n. Oil and Grease	o. Phosphorus (as P), Total (7723-14-0)	p. Radioactivity	q. (1) Alpha, Total	r. (2) Beta, Total	s. (3) Radium, Total	t. (4) Radium 226, Total	u. Sulfate (as SO4) (14808-79-8)	v. Sulfide (as S)	w. Sulfite (as SO3) (14266-45-3)	x. Surfactants	y. Aluminum, Total (7429-90-5)	z. Barium, Total (7440-39-3)	aa. Boron, Total (7440-42-8)	ab. Cobalt, Total (7440-48-4)	ac. Iron, Total (7439-89-6)	ad. Magnesium, Total (7439-95-4)	ae. Molybdenum, Total (7439-98-7)	af. Manganese, Total (7439-96-5)	ag. Tin, Total (7440-31-6)	ah. Titanium, Total (7440-32-6)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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MA 0003557	008

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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 that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST-ING RE-QUIR-ED	b. RE-LEASED PRE-SENT	c. RE-LEASED AB-SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL-YSES	B. CONCEN-TRATION	b. MASS	B. LONG TERM AVERAGE VALUE		h. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total, 7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-92-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

## CONTINUED FROM THE FRONT

CONTINUED FROM THE FRONT												
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANALYSES
	AS QUIC TEST RD	BY FAC TEST RD	BY LAB TEST RD	B. MAXIMUM DAILY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		A. CONCEN TRATION	B. MASS	A. LONG TERM AVERAGE VALUE (1) CONCEN TRATION (2) MASS	B. MASS	
GC/MS FRACTION -- VOLATILE COMPOUNDS												
1V. Acrolein (107-02-8)			X									
2V. Acrylonitrile (107-13-1)			X									
3V. Benzene (71-43-2)			X									
4V. Bis (Chloro- methyl) Ether (542-88-1)			X									
5V. Bromoform (75-25-2)			X									
6V. Carbon Tetrachloride (56-23-5)			X									
7V. Chlorobenzene (108-90-7)			X									
8V. Chlorodi- bromomethane (124-48-1)			X									
9V. Chloroethane (75-00-3)			X									
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X									
11V. Chloroform (67-66-3)			X									
12V. Dichloro- bromomethane (75-27-4)			X									
13V. Dichloro- difluoromethane (75-71-8)			X									
14V. 1,1-Dichloro- ethane (75-34-3)			X									
15V. 1,2-Dichloro- ethane (107-06-2)			X									
16V. 1,1-Dichloro- ethylene (75-35-4)			X									
17V. 1,2-Dichloro- propane (78-87-5)			X									
18V. 1,3-Dichloro- propylene (542-75-6)			X									
19V. Ethylbenzene (100-41-4)			X									
20V. Methyl Bromide (74-83-9)			X									
21V. Methyl Chloride (74-87-3)			X									

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
MA 0003557	008

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	A. TOXIC INC. RE- QUIR- ED	B. DE- RIEVE- D PRE- SENT	C. DE- RIEVE- D AB- SENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVERAGE VALUE (if available)			A. CONCENTRATION	B. MASS	B. LONG TERM AVERAGE VALUE		B. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)			X												
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichlorophenol (88-06-2)			X												



MA 0003557

008

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)	
	ATTN: M.C. QUIN	ATTN: M.C. QUIN	CONCENTRATION	(i) MASS	D. MAXIMUM 30 DAY VALUE (if available)	CONCENTRATION	(i) MASS	C. LONG TERM AVERAGE VALUE (if available)	CONCENTRATION	(i) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS										
1B. Acenaphthene (83-32-9)			X							
2B. Acenaphthylene (208-96-8)			X							
3B. Anthracene (120-12-7)			X							
4B. Benzidine (92-87-5)			X							
5B. Benzo (a) Anthracene (56-55-3)			X							
6B. Benzo (a) Pyrene (50-32-8)			X							
7B. 3,4 Benzo-fluoranthene (206-99-2)			X							
8B. Benzo (ghi) Perylene (191-24-2)			X							
9B. Benzo (k) Fluoranthene (207-08-9)			X							
10B. 9a (2-Chloroethoxy) Methane (111-91-1)			X							
11B. 8a (2-Chloroethyl) Ether (111-44-4)			X							
12B. 8a (2-Chloro-2-propyl) Ether (102-60-1)			X							
13B. 8a (2-Ethylhexyl) Phthalate (117-91-7)			X							
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X							
15B. Butyl Benzyl Phthalate (85-68-7)			X							
16B. 2-Chloronaphthalene (91-58-7)			X							
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X							
18B. Chrysene (218-01-9)			X							
19B. Dibenzo (a,h) Anthracene (53-70-3)			X							
20B. 1,2-Dichlorobenzene (95-50-1)			X							
21B. 1,3-Dichlorobenzene (541-73-1)			X							

PAGE 2 OF 2

CONTINUE ON PAGE 1

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
MA 0003557 008

CONTINUED FROM PAGE V-5

1. POLLUTANT AND CAS NUMBER (if available)		2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		
		TEST NUMBER	CAS NO.	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		NO. OF ANAL. YES	CONCENTRATION	MASS	LONG TERM AVERAGE VALUE (if available)	NO. OF ANAL. YES
		QUANTITY	REAGENT	CONCENTRATION	(1) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION	(1) CONCENTRATION	(2) MASS
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)												
22B. 1,4-Dichlorobenzene (106-46-7)			X									
23B. 3,3'-Dichlorobenzidine (91-94-1)			X									
24B. Diethyl Phthalate (84-66-2)			X									
25B. Dimethyl Phthalate (131-11-3)			X									
26B. Di-N-Butyl Phthalate (84-74-2)			X									
27B. 2,4-Dinitrotoluene (121-14-2)			X									
28B. 2,6-Dinitrotoluene (606-20-2)			X									
29B. Di-N-Octyl Phthalate (117-84-0)			X									
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X									
31B. Fluoranthene (206-44-0)			X									
32B. Fluorene (86-73-7)			X									
33B. Hexachlorobenzene (118-74-1)			X									
34B. Hexachlorobutadiene (87-68-3)			X									
35B. Hexachlorocyclopentadiene (77-47-4)			X									
36B. Hexachloroethane (67-72-1)			X									
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X									
38B. Isophorone (78-59-1)			X									
39B. Naphthalene (91-20-3)			X									
40B. Nitrobenzene (98-95-3)			X									
41B. N-Nitrosodimethylamine (62-75-9)			X									
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X									



EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
MA 0003557 008

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT			4. UNITS		5. INTAKE (optional)		
	A. TOXIC SUBSTANCE CONTROL ACT (TSCA) CAS NO.	B. CAS NO.	C. MAXIMUM DAILY VALUE (1) CONCENTRATION	D. MAXIMUM DAILY VALUE (2) MASS	E. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	F. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION	G. LONG TERM AVERAGE VALUE (2) MASS	H. NO. OF ANALYSES	I. NO. OF ANALYSES	J. NO. OF ANALYSES
GC/MS FRACTION -- PESTICIDES (continued)										
17P. Heptachlor Epoxide (1024-67-3)			X							
18P. PCB-1242 (53469-21-9)			X							
19P. PCB-1254 (11097-69-1)			X							
20P. PCB-1221 (11104-28-2)			X							
21P. PCB-1232 (11141-16-5)			X							
22P. PCB-1248 (12672-29-6)			X							
23P. PCB-1260 (11098-82-5)			X							
24P. PCB-1016 (12674-11-2)			X							
25P. Toxaphene (9001-35-2)			X							

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)

MA 0003557

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

OUTFALL NO.  
010

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

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

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)												
b. Chemical Oxygen Demand (COD)												
c. Total Organic Carbon (TOC)												
d. Total Suspended Solids (TSS)												
e. Ammonia (as N)												
f. Flow	VALUE 19.4		VALUE		VALUE		*	MGD		VALUE		
g. Temperature (winter)	VALUE 23°		VALUE		VALUE		*	°C		VALUE		
h. Temperature (summer)	VALUE 35°		VALUE		VALUE		*	°C		VALUE		
i. pH	MINIMUM 7.5	MAXIMUM 8.5	MINIMUM	MAXIMUM			*	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 or 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. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		0.94	68.9	0.94	68.9	0.138	0.49	11	MG/L	KG			
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												



### 5. INTAKE (optional)

ITEM NO. & DESCRIPTION	2. MARK 'X'		3. EFFLUENT				4. NO. OF ANALYSES				5. AVERAGE VALUE		6. NO. OF ANALYSES
	a. ANALYST'S NAME	b. DATE OF ANALYSIS	7. MAXIMUM DAILY VALUE		8. MAXIMUM 30 DAY VALUE (if available)		9. NO. OF ANALYSES	10. CONCENTRATION	11. MASS	12. CONCENTRATION	13. MASS		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS							
1. POLLUTANT AND CAS NO. (if available)													
g. Nitrogen, Total Organic (as N)	X												
h. Oil and Grease	X												
i. Phosphorus (as P), Total (7723-14-0)	X												
j. Radioactivity													
(1) Alpha, Total		X											
(2) Beta, Total		X											
(3) Radium, Total		X											
(4) Radium 226, Total		X											
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)		X											
l. Sulfide (as S)		X											
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X											
n. Surfactants		X											
o. Aluminum, Total (7429-90-5)		X											
p. Barium, Total (7440-39-3)		X											
q. Boron, Total (7440-42-8)		X											
r. Cobalt, Total (7440-48-4)	X		<0.010	0.0						1	MG/L	KG	
s. Iron, Total (7439-89-6)	X		1.17	85.8						1	MG/L	KG	
t. Magnesium, Total (7439-95-4)		X											
u. Molybdenum, Total (7439-98-7)		X											
v. Manganese, Total (7439-96-5)		X											
w. Tin, Total (7440-31-6)		X											
x. Titanium, Total (7440-32-6)	X		0.0177	1.30						1	MG/L	KG	

PAGE V-2

CONTINUE ON PAGE V

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

OUTFALL NUMBER

MA 0003557

010

Form Approved

OMB No. 2040-0086

Approval expires 7-31-88

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 that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-92-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-23-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-6)			X												
15M. Phenols, Total			X												
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

## CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT			4. UNITS			5. INTAKE (optional)			
	TEST NO.	D. REC. ANAL. Q.101	D. REC. SENT Q.101	B. MAXIMUM DAILY VALUE (if available)	D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		B. CONCENTRATION	A. CONCENTRATION	B. MASS	B. LONG TERM AVERAGE VALUE (if available)	D. NO. OF ANAL. YRS
					(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS					
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>													
1V. Acrolein (107-02-8)				X									
2V. Acrylonitrile (107-13-1)				X									
3V. Benzene (71-43-2)				X									
4V. Bis (Chloromethyl) Ether (542-88-1)				X									
5V. Bromoform (75-25-2)				X									
6V. Carbon Tetrachloride (56-23-5)				X									
7V. Chlorobenzene (108-90-7)				X									
8V. Chlorodibromomethane (124-48-1)				X									
9V. Chloroethane (75-00-3)				X									
10V. 2-Chloroethylvinyl Ether (110-75-8)				X									
11V. Chloroform (67-66-3)				X									
12V. Dichlorobromomethane (75-27-4)				X									
13V. Dichlorodifluoromethane (75-71-8)				X									
14V. 1,1-Dichloroethene (75-34-3)				X									
15V. 1,2-Dichloroethene (107-06-2)				X									
16V. 1,1-Dichloroethylene (75-35-4)				X									
17V. 1,2-Dichloropropane (78-87-5)				X									
18V. 1,2-Dichloropropylene (542-75-8)				X									
19V. Ethylbenzene (100-41-4)				X									
20V. Methyl Bromide (74-83-9)				X									
21V. Methyl Chloride (74-87-3)				X									

EPA ID NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
MA 0003557 010

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. ANALYSES
	INCL. QUIN. RES. INCL. QUIN. RES.	CONC. SENT	8. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	9. LONG TERM AVERAGE VALUE (if available) (1) CONCENTRATION	(2) MASS	10. CONCEN- TRATION	11. MASS	12. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>											
22V. Methylene Chloride (75-09-2)											
23V. 1,1,2,2-Tetra- chloroethane (79-34-5)											
24V. Tetrachloro- ethylene (127-18-4)											
25V. Toluene (108-88-3)											
26V. 1,2-Trans- Dichloroethylene (156-60-5)											
27V. 1,1,1-Tri- chloroethane (71-55-6)											
28V. 1,1,2-Tri- chloroethane (79-60-5)											
29V. Trichloro- ethylene (79-01-6)											
30V. Trichloro- fluoromethane (75-69-4)											
31V. Vinyl Chloride (75-01-4)											
<b>GC/MS FRACTION - ACID COMPOUNDS</b>											
1A. 2-Chlorophenol (95-57-8)											
2A. 2,4-Dichloro- phenol (120-83-2)											
3A. 2,4-Dimethyl- phenol (105-67-9)											
4A. 4,6-Dinitro-O- Cresol (534-52-1)											
5A. 2,4-Dinitro- phenol (51-28-5)											
6A. 2-Nitrophenol (88-75-5)											
7A. 4-Nitrophenol (100-02-7)											
8A. p-Chloro-M- Cresol (59-50-7)											
9A. Pentachloro- phenol (87-86-5)											
10A. Phenol (108-95-2)											
11A. 2,4,6-Tri- chlorophenol (88-06-2)											

MA 0003557

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1. POLLUTANT AND CAS NUMBER (if available)		2. MARK 'X'		3. EFFLUENT				4. UNITS				5. INTAKE (optional)				6. NO. OF ANAL. YSES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		D. BE COND. EQUIP. NO.	C. BE COND. EQUIP. NAME	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVERAGE VALUE (if available)		D. CONCENTRATION		E. MASS		F. CONCENTRATION			G. MASS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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1B. Acenaphthene (83-32-9)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



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

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER  
NA 0003557 010

CONTINUED FROM PAGE 7-8												MA 0003557		010		Approval expires 7-31-88	
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL. YSES						
	TEST D. RES. INQ. EQUIP. NO.	C. RES. ANAL. RES. NO.	B. MAXIMUM DAILY VALUE		C. LONG TERM AVERAGE VALUE		D. CONCENTRATION		E. LONG TERM AVERAGE VALUE								
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)																	
228. 1,4-Dichloro-benzene (106-46-7)																	
238. 3,3'-Dichloro-benzidine (91-94-1)																	
248. Diethyl Phthalate (84-66-2)																	
258. Dimethyl Phthalate (131-11-3)																	
268. Di-N-Ethyl Phthalate (84-74-2)																	
278. 2,4-Dinitro-toluene (121-14-2)																	
288. 2,6-Dinitro-toluene (606-20-2)																	
298. Di-N-Octyl Phthalate (117-84-0)																	
308. 1,2-Diphenyl-hydrazine (or Azobenzene) (122-66-7)																	
318. Fluorethane (206-44-0)																	
328. Fluorene (86-73-7)																	
338. Hexachlorobenzene (118-74-1)																	
348. Hexachlorobutadiene (87-68-3)																	
358. Hexachlorocyclopentadiene (77-47-4)																	
368. Hexachloroethane (67-72-1)																	
378. Indeno (1,2,3-cd) Pyrene (193-39-5)																	
388. Isophorone (78-59-1)																	
398. Naphthalene (91-20-3)																	
408. Nitrobenzene (98-95-3)																	
418. N-Nitrosodimethylamine (62-75-9)																	
428. N-Nitrosodi-N-Propylamine (621-64-7)																	

MA 0003557

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## CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT			4. UNITS		5. INTAKE (optional)	
	ATSDR PRA- GEN TOX C P	USE PRA- GEN TOX C P	USE PRA- GEN TOX C P	B. MAXIMUM DAILY VALUE (if available)	D. MAXIMUM 30 DAY VALUE (if available)	C. LONG TERM AVG. VALUE (if available)	B. CONCEN- TRATION	D. MASS	B. LONG TERM AVERAGE VALUE (1) CONCEN- TRATION (2) MASS	D. NO. OF ANAL- YSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)										
43B. N-Nitro- sodichemylamine (86-30-5)			X							
44B. Phenanthrene (85-01-8)			X							
45B. Pyrene (129-00-0)			X							
46S. 1,2,4-Tri- chlorobenzene (120-82-1)			X							
GC/MS FRACTION - PESTICIDES										
1P. Aldrin (309-00-2)			X							
2P. $\alpha$ -BHC (319-84-6)			X							
3P. $\beta$ -BHC (319-85-7)			X							
4P. $\gamma$ -BHC (58-89-9)			X							
5P. $\delta$ -BHC (319-86-8)			X							
6P. Chlordane (57-74-9)			X							
7P. 4,4'-DDT (50-29-3)			X							
8P. 4,4'-DDE (72-55-9)			X							
9P. 4,4'-DDD (72-54-8)			X							
10P. Dieldrin (60-57-1)			X							
11P. $\alpha$ -Endosulfan (115-29-7)			X							
12P. $\beta$ -Endosulfan (115-29-7)			X							
13P. Endosulfan Sulfate (1031-07-8)			X							
14P. Endrin (72-20-8)			X							
15P. Endrin Aldehyde (7421-93-4)			X							
16P. Heptachlor (76-44-8)			X							

EPA I.D. NUMBER (copy from Item 1 of Form 1) **OUTFALL NUMBER**  
MA 0003557 010

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT			4. UNITS		5. INTAKE (optional)		
	AT-101 INC. REPORT NO.	USE: C.B. S. EVERETT	USE: C.B. S. EVERETT	5. MAXIMUM DAILY VALUE (i) CONCENTRATION (j) MASS	6. MAXIMUM 30 DAY VALUE (i) CONCENTRATION (j) MASS	7. LONG TERM AVERAGE VALUE (i) CONCENTRATION (j) MASS	8. CONCENTRATION	9. MASS	10. LONG TERM AVERAGE VALUE (i) CONCENTRATION (j) MASS	11. NO. OF ANALYSES	12. NO. OF ANALYSES
<b>GC/MS FRACTION - PESTICIDES (continued)</b>											
17P. Heptachlor Epoxide (1024-57-3)			X								
18P. PCB-1242 (53469-21-8)			X								
19P. PCB-1264 (11097-69-1)			X								
20P. PCB-1221 (11104-28-2)			X								
21P. PCB-1232 (11141-16-5)			X								
22P. PCB-1248 (12672-29-6)			X								
23P. PCB-1260 (11096-82-5)			X								
24P. PCB-1016 (12674-11-2)			X								
25P. Toxaphene (8001-35-2)			X								

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)

MA 0003557

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.

011

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						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	< 2.0	0.0					1	mg/l	kg			
b. Chemical Oxygen Demand (COD)	< 50.0	0.0					1	mg/l	kg			
c. Total Organic Carbon (TOC)	1.3	0.177					1	mg/l	kg			
d. Total Suspended Solids (TSS)	87.5	11.9	87.5	11.9	19.9	2.71	25	mg/l	kg			
e. Ammonia (as N)	0.13	0.018					1	mg/l	kg			
f. Flow	VALUE 0.06		VALUE		VALUE		*	MGD	kg	VALUE		
g. Temperature (winter)	VALUE 21.5°		VALUE		VALUE		*	°C		VALUE		
h. Temperature (summer)	VALUE 23°		VALUE		VALUE		*	°C		VALUE		
i. pH	MINIMUM 6.1	MAXIMUM 8.4	MINIMUM	MAXIMUM			*	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 2-a 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 2-a, you must provide quantitative data or 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. (if available)	2. MARK "X"		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. PRESENT	b. ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-87-9)	X		< 2.0	0.0					1	mg/l	kg			
b. Chlorine, Total Residual		X												
c. Color	X		< 5.0	0.0					1	CU				
d. Fecal Coliform		X												
e. Fluoride (18884-48-8)	X		0.89	0.121					1	mg/l	kg			
f. Nitrate-Nitrite (as N)	X		3.72	0.506					1	mg/l	kg			







EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
MA 0003557	011

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

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 instruction 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 that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	A. CONCENTRATION	B. MASS	B. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			< 0.050	0.0					1	mg/l	kg			
2M. Arsenic, Total (7440-38-2)	X			< 0.005	0.0					1	mg/l	kg			
3M. Beryllium, Total, 7440-41-7)	X			< 0.005	0.0					1	mg/l	kg			
4M. Cadmium, Total (7440-43-9)	X			< 0.005	0.0					1	mg/l	kg			
5M. Chromium, Total (7440-47-3)	X			< 0.020	0.0					1	mg/l	kg			
6M. Copper, Total (7440-50-8)	X			0.0498	0.007					1	mg/l	kg			
7M. Lead, Total (7439-92-1)	X			0.00837	0.001					1	mg/l	kg			
8M. Mercury, Total (7439-97-6)	X			< 0.0002	0.0					1	mg/l	kg			
9M. Nickel, Total (7440-02-0)	X			0.0159	0.002					1	mg/l	kg			
10M. Selenium, Total (7782-49-2)	X			< 0.005	0.0					1	mg/l	kg			
11M. Silver, Total (7440-22-4)	X			< 0.010	0.0					1	mg/l	kg			
12M. Thallium, Total (7440-28-0)	X			< 0.005	0.0					1	mg/l	kg			
13M. Zinc, Total (7440-66-6)	X			0.0409	0.006					1	mg/l	kg			
14M. Cyanide, Total (57-12-5)	X			< 0.01	0.0					1	mg/l	kg			
15M. Phenols, Total	X			< 0.10	0.0					1	mg/l	kg			
DIOXIN															

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

1. POLLUTANT NUMBER (if available)	2. MARK 'X'		3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
	TEST METHOD (if available)	DATE TEST SENT	8. MAXIMUM DAILY VALUE (i) CONC. (ii) MASS	9. MAXIMUM 30 DAY VALUE (i) CONC. (ii) MASS	10. LONG TERM AVERAGE VALUE (i) CONC. (ii) MASS	11. NO. OF ANALYSES	12. LONG TERM AVERAGE VALUE (i) CONC. (ii) MASS	13. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS								
1V. Acrolein (107-02-8)	X		< 0.020	0.0	mg/l	1	kg	
2V. Acrylonitrile (107-13-1)	X		< 0.020	0.0	mg/l	1	kg	
3V. Benzene (71-43-2)	X		< 0.005	0.0	mg/l	1	kg	
4V. Bis (Chloro- methyl) Ether (542-88-1)		X						
5V. Bromoform (75-25-2)	X		< 0.005	0.0	mg/l	1	kg	
6V. Carbon Tetrachloride (56-23-5)	X		< 0.005	0.0	mg/l	1	kg	
7V. Chlorobenzene (108-90-7)	X		< 0.005	0.0	mg/l	1	kg	
8V. Chlorodi- bromomethane (124-48-1)	X		< 0.005	0.0	mg/l	1	kg	
9V. Chloroethane (75-00-3)	X		< 0.010	0.0	mg/l	1	kg	
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X		< 0.005	0.0	mg/l	1	kg	
11V. Chloroform (67-66-3)	X		< 0.005	0.0	mg/l	1	kg	
12V. Dichloro- bromomethane (75-27-4)	X		< 0.005	0.0	mg/l	1	kg	
13V. Dichloro- difluoromethane (75-71-8)		X						
14V. 1,1-Dichloro- ethane (75-34-3)	X		< 0.005	0.0	mg/l	1	kg	
15V. 1,2-Dichloro- ethane (107-06-2)	X		< 0.005	0.0	mg/l	1	kg	
16V. 1,1-Dichloro- ethylene (75-35-4)	X		< 0.005	0.0	mg/l	1	kg	
17V. 1,2-Dichloro- propane (78-87-5)	X		< 0.005	0.0	mg/l	1	kg	
18V. 1,3-Dichloro- propylene (542-75-6)	X		< 0.005	0.0	mg/l	1	kg	
19V. Ethylbenzene (100-41-4)	X		< 0.005	0.0	mg/l	1	kg	
20V. Methyl Bromide (74-83-9)	X		< 0.010	0.0	mg/l	1	kg	
21V. Methyl Chloride (74-87-3)	X		< 0.010	0.0	mg/l	1	kg	
Chloromethane	X		< 0.010	0.0	mg/l	1	kg	

CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1) MA 0003557

OUTFALL NUMBER

011

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	A. YES RE- QUIR- ED	B. SE- RIED PRE- SENT	C. SE- RIED AD- JUT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CON- CENTR- ATION	b. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES	
				{1} CONCENTRATION	{2} MASS	{1} CONCENTRATION	{2} MASS	{1} CONCENTRATION	{2} MASS				{1} CONCENTRATION	{2} MASS		
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)	X			0.0058	0.001					1	ug/l	kg				
23V. 1,1,2,2-Tetra- chloroethane (79-34-5)	X			<0.005	0.0					1	mg/l	kg				
24V. Tetrachloro- ethylene (127-18-4)	X			<0.005	0.0					1	mg/l	kg				
25V. Toluene (108-88-3)	X			<0.005	0.0					1	mg/l	kg				
26V. 1,2-Trans- Dichloroethylene (156-60-5)	X			<0.005	0.0					1	mg/l	kg				
27V. 1,1,1-Tri- chloroethane (71-55-6)	X			<0.005	0.0					1	mg/l	kg				
28V. 1,1,2-Tri- chloroethane (79-00-5)	X			<0.005	0.0					1	mg/l	kg				
29V. Trichloro- ethylene (79-01-6)	X			<0.005	0.0					1	mg/l	kg				
30V. Trichloro- fluoromethane (75-69-4)			X													
31V. Vinyl Chloride (75-01-4)	X			<0.010	0.0					1	mg/l	kg				
GC/MS FRACTION - ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)	X			<0.010	0.0					1	mg/l	kg				
2A. 2,4-Dichloro- phenol (120-83-2)	X			<0.010	0.0					1	mg/l	kg				
3A. 2,4-Dimethyl- phenol (105-67-9)	X			<0.010	0.0					1	mg/l	kg				
4A. 4,6-Dinitro O- Cresol (534-52-1)	X			<0.050	0.0					1	mg/l	kg				
5A. 2,4 Dinitro- phenol (51-28-5)	X			<0.050	0.0					1	mg/l	kg				
6A. 2-Nitrophenol (88-75-5)	X			<0.010	0.0					1	mg/l	kg				
7A. 4-Nitrophenol (100-02-7)	X			<0.050	0.0					1	mg/l	kg				
8A. P-Chloro-M- Cresol (59-50-7)	X			<0.010	0.0					1	mg/l	kg				
9A. Pentachloro- phenol (87-86-5)	X			<0.050	0.0					1	mg/l	kg				
10A. Phenol (108-95-2)	X			<0.010	0.0					1	mg/l	kg				
11A. 2,4,6-Tri- chlorophenol (88-06-2)	X			<0.010	0.0					1	mg/l	kg				

MA 0003557

011

CONTINUED FROM THE FRONT

1. POLLUTANT NUMBER (if available)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		6. NO. OF ANAL YES
	D. TEST INSTRUMENT QUANTITY SENT G/G	C. ME- ASUREMENT SENT G/G	8. MAXIMUM DAILY VALUE		9. LONG TERM AVERAGE VALUE		a. CONCENTRATION	b. MASS	10. LONG TERM AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS											
1B. Acenaphthene (83-32-9)			X								
2B. Acenaphthylene (208-96-8)			X								
3B. Anthracene (120-12-7)			X								
4B. Benzidine (92-87-5)			X								
5B. Benzo (a) Anthracene (56-55-3)			X								
6B. Benzo (a) Pyrene (50-32-8)			X								
7B. 3,4-Benzofluoranthene (205-99-2)			X								
8B. Benzo (ghi) Perylene (191-24-2)			X								
9B. Benzo (k) Fluoranthene (207-08-9)			X								
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X								
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X								
12B. Bis (2-Chloropropyl) Ether (102-60-1)			X								
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X								
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X								
15B. Butyl Benzyl Phthalate (85-68-7)			X								
16B. 2-Chloronaphthalene (91-58-7)			X								
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X								
18B. Chrysene (218-01-9)			X								
19B. D'benzo (a,h) Anthracene (53-70-3)			X								
20B. 1,2-Dichlorobenzene (95-60-1)			X								
21B. 1,3-Dichlorobenzene (541-73-1)			X								

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PAGE 5



OUTFALL NUMBER

011

OMB No. 2040-0086

Approval expires 7/31/88

CONTINUED FROM PAGE V-6

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

OUTFALL NUMBER

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

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	B. TEST ING. RE- QUIR- ED	D. RE- LIEVED PWS SENT	C. RE- LIEVED AS- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		E. NO. OF ANAL- YSES	B. CONCENTRATION	D. MASS	B. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES
				CONCENTRATION	[1] MASS	CONCENTRATION	[2] MASS	CONCENTRATION	[1] MASS				CONCENTRATION	[2] MASS	
GC/MS FRACTION — PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11098-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (9001-35-2)			X												