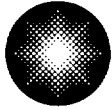


**Peter E. Katz**  
Plant General Manager

1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657  
410 495-4101



**Constellation**  
Nuclear

**Calvert Cliffs  
Nuclear Power Plant**

*A Member of the  
Constellation Energy Group*

December 13, 2001

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318  
National Pollution Discharge Elimination System Permit No. MD0002399  
Renewal Application

In accordance with Section 3.2 of Appendix B, Environmental Protection Plan (Non-Radiological) Technical Specifications, Attachment (1), the Calvert Cliffs Nuclear Power Plant National Pollution Discharge Elimination System permit renewal application is provided. Early renewal application was requested by the Maryland Department of the Environment to allow implementation of a new watershed permitting schedule.

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

PEK/MJY/bjd

Attachment: As stated

cc: **(Without Attachment)**  
R. S. Fleishman, Esquire  
J. E. Silberg, Esquire  
Director, Project Directorate I-1, NRC  
D. M. Skay, NRC

H. J. Miller, NRC  
Resident Inspector, NRC  
R. I. McLean, DNR

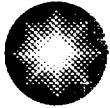
Cool

**ATTACHMENT (1)**

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**CALVERT CLIFFS NUCLEAR POWER PLANT  
NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM  
PERMIT RENEWAL APPLICATION**

---



**Constellation  
Nuclear**

**Calvert Cliffs  
Nuclear Power Plant**

*A Member of the  
Constellation Energy Group*

November 21, 2001

Mr. Edward S. Gertler  
Industrial Discharge Permits Division  
Maryland Department of the Environment  
Water Management Administration  
2500 Broening Highway  
Baltimore, Maryland 21224

Dear Mr. Getler:

RE: Calvert Cliffs Nuclear Power Plant NPDES Permit Renewal Application

Enclosed you will find the NPDES permit renewal application for Calvert Cliffs Nuclear Power Plant.

The only major change to the discharge system since the last permit renewal was the combination of the 002 discharge (plant sumps and storm water runoff) with the 001 discharge (once-through cooling water). This change was made to support the compliance plan for meeting the water quality criteria for copper submitted on March 22, 2000. The completion of this change was reported in a letter to your office dated May 16, 2001.

The analysis for ammonia on the outfall 005 (swimming pool) discharge was inadvertently omitted. The system has since been shut down for the season. We can supply ammonia results once the system is started up in the spring.

When the samples were taken, the salinity of the cooling water was 15.8 parts per thousand. This salinity value is provided to assist in the evaluation of the ammonia result, as the ammonia water quality criteria is linked to the salinity of the receiving water.

If you need any further information, or if you have any questions, please call give me a call at (410) 495-4913.

Sincerely,

Brenda D. Nuse

BDN:bdn

Enclosures

xc: USNRC

FORM <b>1</b> GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program (Read the "General Instructions" before starting.)		1. EPA I.D. NUMBER MD0002399		14 15				
II. POLLUTANT CHARACTERISTICS				GENERAL INSTRUCTIONS						
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.				If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data 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.						
SPECIFIC QUESTIONS		MARK "X"		SPECIFIC QUESTIONS		MARK "X"				
		YES	NO	FORM ATTACHED			YES	NO	FORM ATTACHED	
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S. (FORM 2A)			X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)			X		
		16	17	18			16	17	18	
C. Is this facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		X	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)			X		
		22	23	24			22	23	24	
E. Does or will this facility treat, store or dispose of hazardous wastes? (FORM 3)			X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containin, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)			X		
		28	29	30			28	28	29	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)			X		H. Do you or will you inject at this facility fluids for special processes wuch as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)			X		
		34	35	36			34	35	36	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instruction and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)			X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instruction and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)			X		
		40	41	42			40	41	42	
III. NAME OF FACILITY										
1 SKIP		CALVERT CLIFFS NUCLEAR POWER PLANT								
15 16 29 30		69								
IV. FACILITY CONTACT										
A. NAME & TITLE (last, first & title)						B. PHONE (area code & no.)				
2		NUSE, BRENDA CHEMIST						410	495	4913
15 16		45						46 - 48	49 - 51	52-55
V. FACILITY MAILING ADDRESS										
A. STREET OR P.O. BOX						E. Telefax (area code)				
3		1650 CALVERT CLIFFS PARKWAY, NOF-3						(410) 495-2618		
15 16		45								
B. CITY OR TOWN						C. STATE	D. ZIP CODE			
4		LUSBY						MD	20657-4701	
15 16		40						41 - 42	47 - 51	
VI. FACILITY LOCATION										
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER										
5		1650 CALVERT CLIFFS PARKWAY						45		
15 16		45								
B. COUNTY NAME										
6		CALVERT						77		
15 16		46						77		
C. CITY OR TOWN						C. STATE	D. ZIP CODE		F. COUNTY CODE (if known)	
6		LUSBY						MD	20657	
15 16		60						41 - 42	47 - 51	



CONTINUED FROM THE FRONT

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

A. FIRST				B. SECOND			
7	4911	(SPECIFY)	ELECTRIC POWER GENERATION	7		(SPECIFY)	
15	16	19		15	6	19	
C. THIRD				D. FOURTH			
7		(SPECIFY)		7		(SPECIFY)	
15	16	19		15	6	19	

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

A. NAME				B. Is the name listed Item VIII-A also the owner?			
8	CALVERT CLIFFS NUCLEAR POWER PLANT, INC.			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 66			
15	16	35					
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) S= STATE O= OTHER (SPECIFY)				C A 15			
P= PRIVATE				410 495 4913 16 - 18 19 - 21 22 - 25			

E. STREET OR P.O. BOX							
1650 Calvert Cliffs Parkway							
24				55			
F. CITY OR TOWN				G. STATE		H. ZIP CODE	
Lusby				MD		20657	
15 16				41 42 47 - 51		52	
						IX. INDIAN LAND	
						Is the facility located on Indian lands?	
						<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

## X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharge to Surface Water)				D. PSD (Air Emissions from Proposed Sources)			
C	T	I		C	T	I	
9	N		MD0002399	9	P		
15	16	17	18	30	15	16	17
B. UIC (Underground Injection of Fluids)				E. OTHER (Specify)			
C	T	I		C	T	I	
9	U			9			CA71S001
15	16	17	18	30	15	16	17
C. RCRA (Hazardous Wastes)				E. OTHER (Specify)			
C	T	I		C	T	I	
9	R			9			CA69G010
15	16	17	18	30	15	16	17

## 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)

Electric Power Generation by pressurized water reactors.

## 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
Charles H. Cruse, Vice President - Nuclear		11/27/01

## COMMENTS FOR OFFICIAL USE ONLY

C		
C		
15	16	55

76° 22' 30"

Interstate Route	U. S. Route	State Route
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
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88	88	88
89	89	89
90	90	90
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92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

QUADRANGLE LOCATION

38076-D4-TF-024

DMA 5760 IV NW-SERIES V833

DORCHESTER CO.  
CALVERT CO.

22092

## Beach

## Long Beach

## Flag Ponds

Helping

Wilson, Z.

Calvert Cliffs  
Nuclear Powerplant

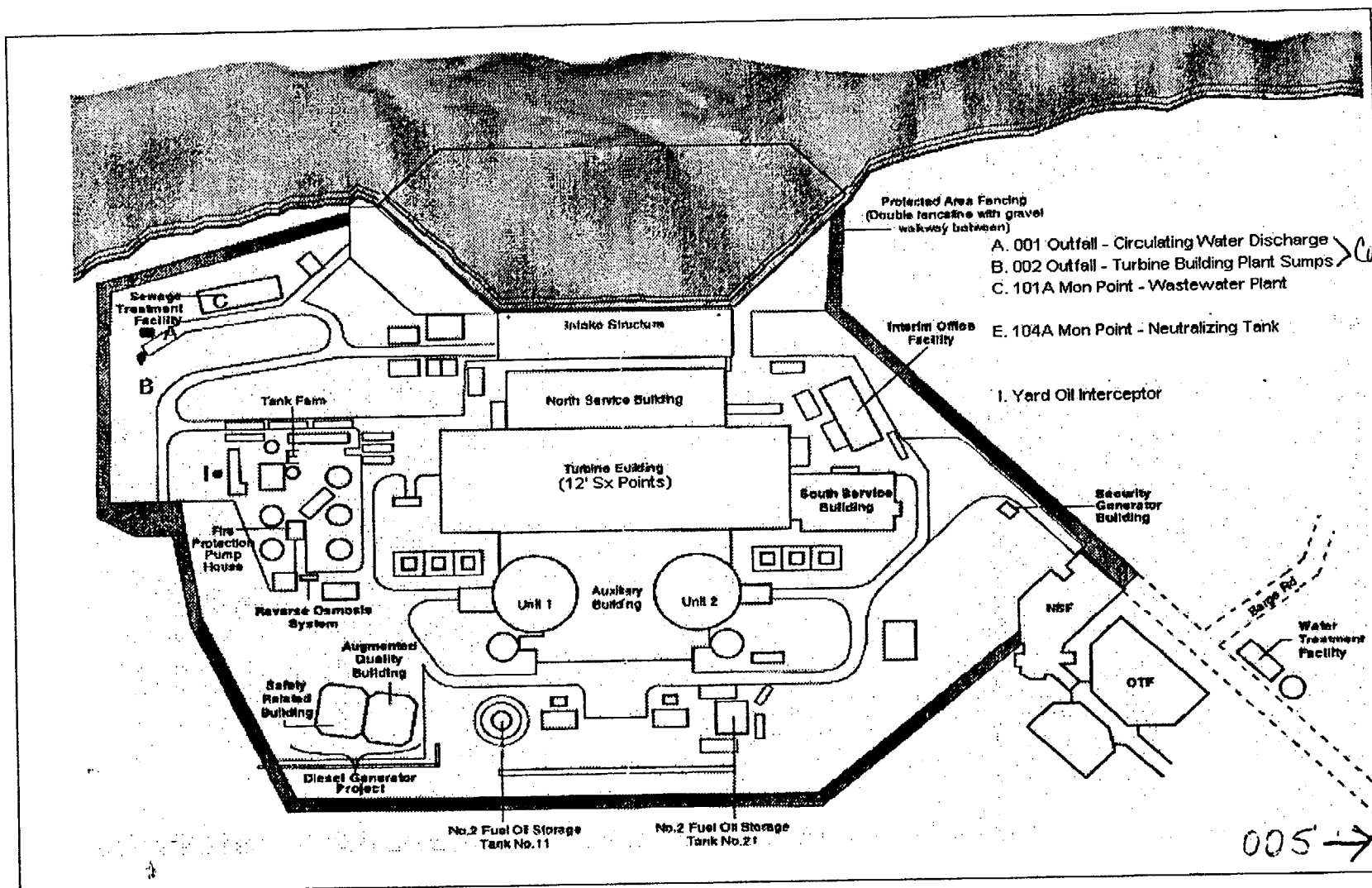
Substa

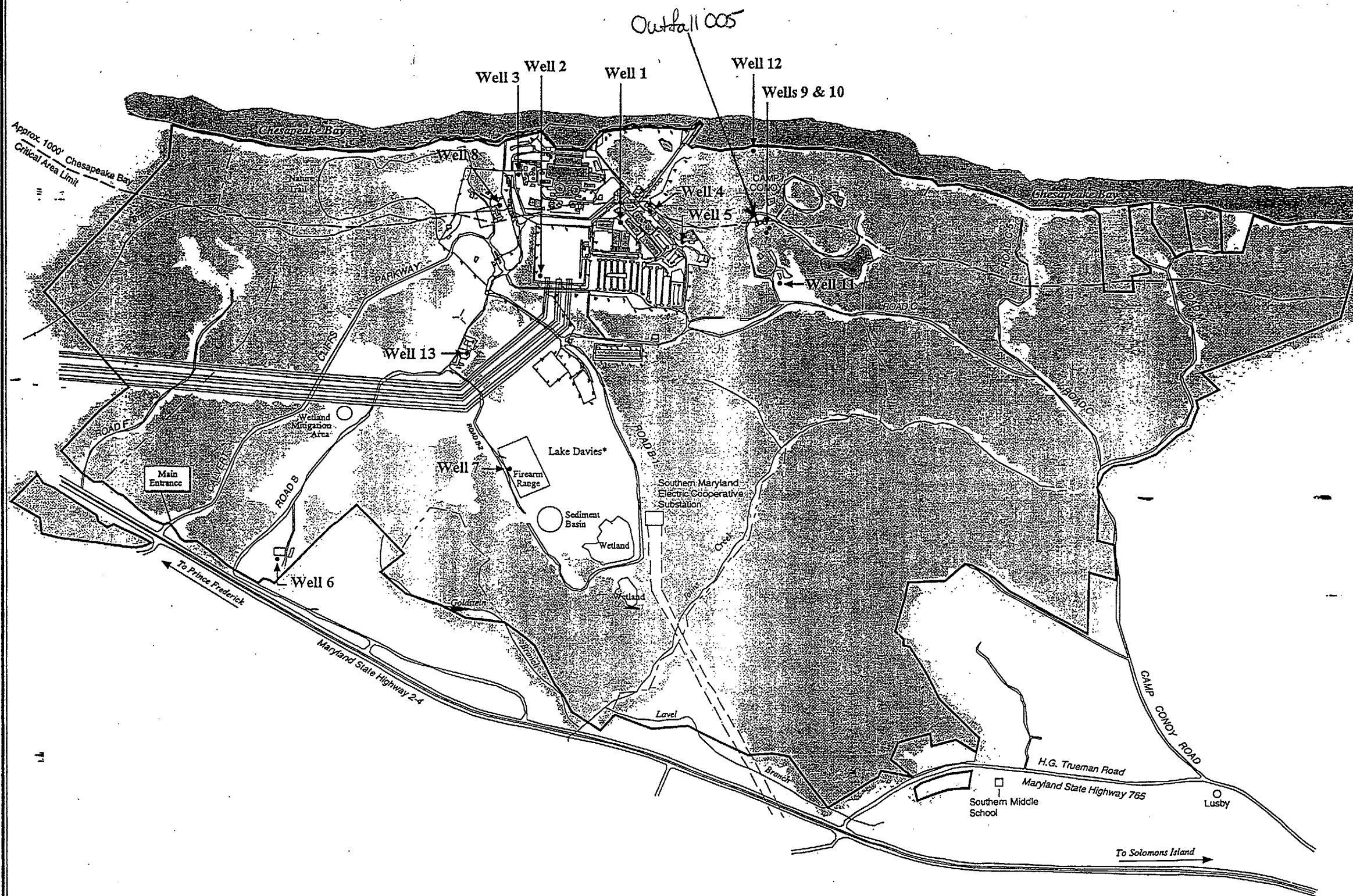
Substance

Rocky Point

## CALVERT CLIFF

122 Middleham  
Cem. Chapel





\* BGE used this area to dispose of spoil hydraulically dredged from the Chesapeake Bay during CCNPP barge dock, intake structure, and discharge structure construction. For some time, the standing water that had separated from the rest of the dredged material was colloquially referred to as "Lake Davies," after a BGE employee of that name. Although the water has drained away, the name has survived.

SOURCE: PREPARED FROM DAFT MCCUNE WALKER, INC.  
"CALVERT CLIFFS NUCLEAR POWER PLANT 1995 LAND  
MANAGEMENT PLAN," MARCH 1995

0 200 400 800 1200  
SCALE IN FEET

CCNPP well locations.

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
MD0002399

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

Please print or type in the unshaded areas only

<b>FORM 2 C NPDES</b>	 <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER</b> <b>EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATION</b> Consolidated Permits Program						
<b>I. OUTFALL LOCATION</b>							
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 <i>(list)</i>	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	38	26	212	76	26	556	Chesapeake Bay
002	38	26	212	76	26	556	Outfall 001
101A	38	26	212	76	26	556	Outfall 001
104A	38	26	212	76	26	556	Outfall 001
OO5	38	25	731	76	26	231	Chesapeake Bay
<b>II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES</b>							
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 description 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 NUMBER <i>(list)</i>	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT				
	a. OPERATION <i>(list)</i>	b. AVERAGE FLOW <i>(include units)</i>	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1			
OO1	Noncontact cooling water	3200 MGD	Chlorination	2	F		
MP OO2	Plant Sumps	0.278 MGD	Oil Interceptor	X	X		
			Discharge to surface water	4	A		
101A	Sewage Treatment Plant	0.0195 MGD	Activated Sludge	3	A		
			Dechlorination	2	E		
104A	Demineralizer waste	0.0383 MGD	Neutralization	2	K		
OO5	Swimming pool backwash	0.0028	Discharge to surface water	4	A		
OFFICIAL USE ONLY (effluent guidelines sub-categories)							



C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?								
<input checked="" type="checkbox"/> <b>Yes</b> (complete the following table) <input type="checkbox"/> <b>NO</b> (go to Section III)								
1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				c. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
005	Swimming pool filter backwash	1	3	0.003	0.03	2800 gal	31,200 gal	0.08
104A	Demineralizer waste	2	12	0.04	0.1	38,300 gal	100,000gal	0.04

## 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 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, PRODUCTION MATERIAL, ETC (specify)	
N/A			

## IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrade or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions

☐ **YES** (complete the following table)☒ **NO** (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may effect 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**

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 numbering the space provided.

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

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

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

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

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

☐ 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 discharge or on a receiving water in relation to your discharge within the last 3 years?

☒ YES (identify the test(s) and describe their purpose below)

☐ NO (go to Section VIII)

Biological toxicity testing was performed on Outfall 001 and results submitted to MDE in accordance with Section I of the current permit.

## VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Gascoyne Laboratories, Inc.	2101 Van Deman Street Baltimore MD 21224	410-633-1800	All in Section V, except for the long term values.

## 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.

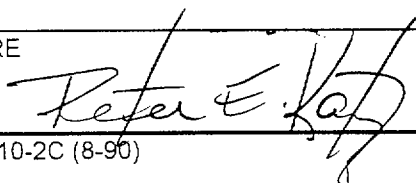
A. NAME AND OFFICIAL TITLE (type or print)

Peter E. Katz, Plant General Manager

B. PHONE NO. (area code & no.)

410-495-4101

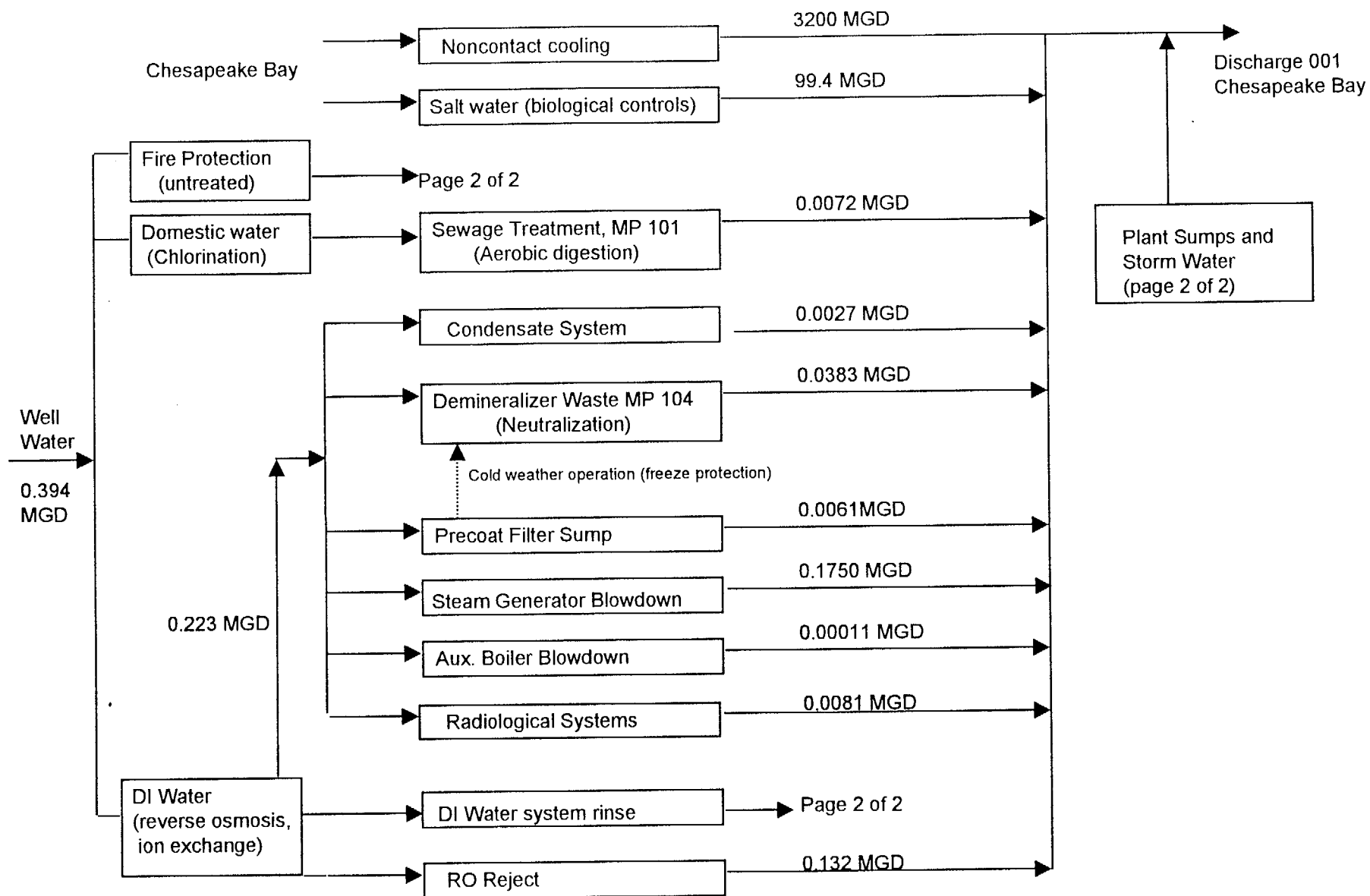
C. SIGNATURE



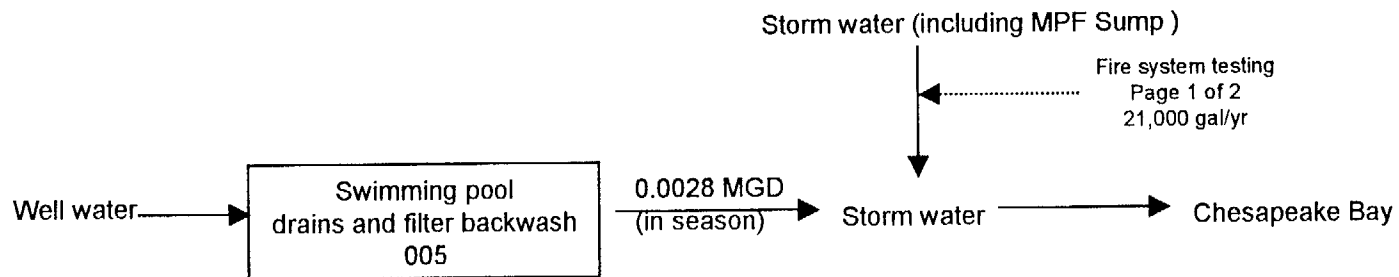
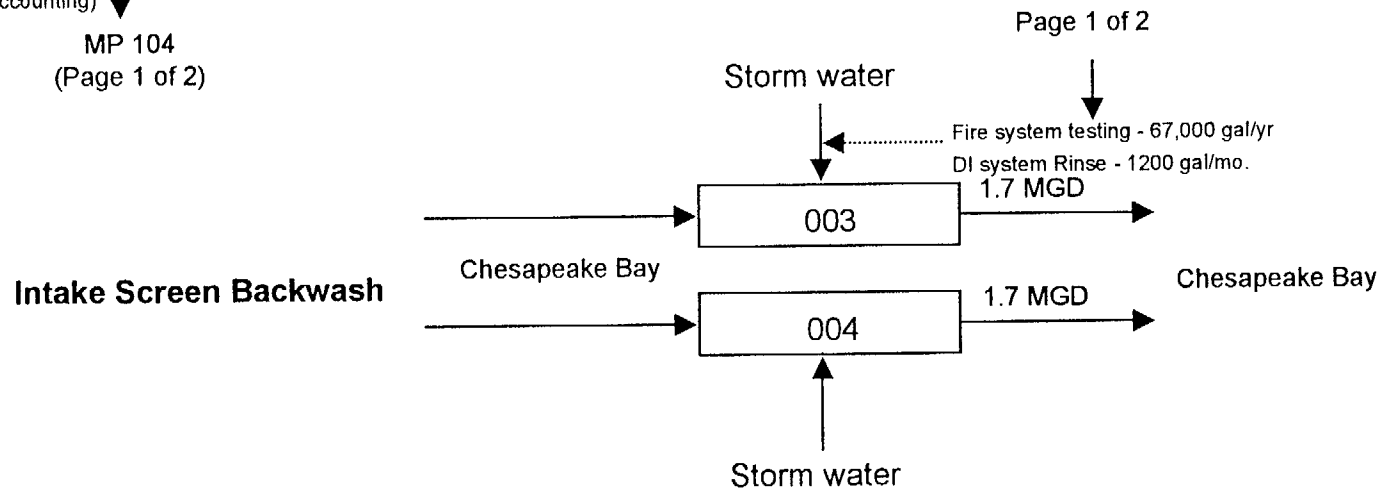
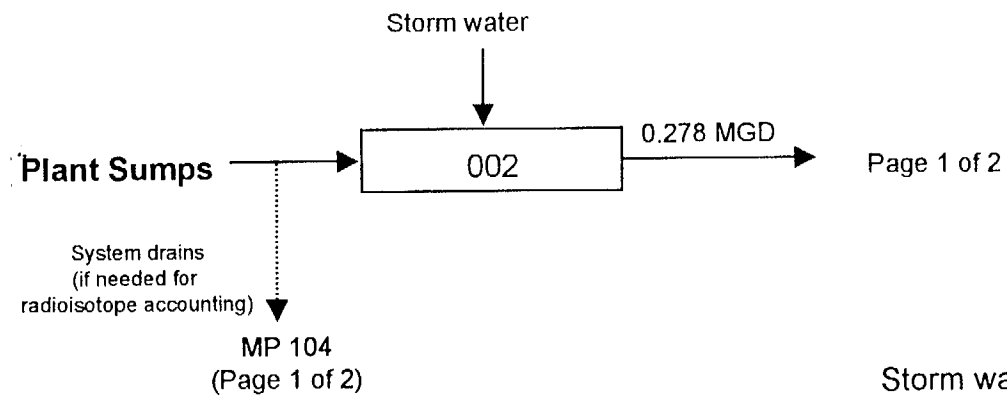
D. DATE SIGNED

11/21/01





..... Temporary line-up



..... Temporary line-up

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You 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)

MD0002399

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

OUTFALL NO.  
001

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						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		b. NO. OF ANALYSES
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			a. LONG TERM AVERAGE VALUE				
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS			
a. Biochemical Oxygen Demand (BOD)	<2.0	<50000					1	mg/l	lbs			
b. Chemical Oxygen Demand (COD)	160	4300000					1	mg/l	lbs			
c. Total Organic Carbon (TOC)	1.4	37000					1	mg/l	lbs			
d. Total Suspended Solids (TSS)	5.2	140000					1	mg/l	lbs			
e. Ammonia (as N)	<1.0	<30000					1	mg/l	lbs			
f. Flow	VALUE		VALUE		VALUE		3200	365	mgd	VALUE		
g. Temperature (winter)	VALUE		VALUE		VALUE		15.01	182	°C	VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE		27.67	183	°C	VALUE		
i. pH	MINIMUM 7.8	MAXIMUM 7.8	MINIMUM	MAXIMUM			1	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 (specify if blank)		5. INTAKE (optional)		b. NO. OF ANALYSES
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. LONG TERM AVERAGE VALUE			
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS		
a. Bromide (24959-87-9)		X											
b. Chlorine Total Residual	X						<0.05	<1000	37	mg/l	lbs		
c. Color		X											
d. Faecal Coliform		X											
e. Fluoride (16984-48-8)		X											
f. Nitrate-Nitrite (as N)		X											

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS		
g. Nitrogen, Total Organic (as N)		X													
h. Oil and Grease	X		<5.0	<100000					1	mg/l	lbs				
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													
s. Iron, Total (7439-89-8)		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 (7440-31-5)		X													
x. Titanium, Total (7440-32-6)		X													

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**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 REQUIR- 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 AVRG. 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	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X			<0.0050	<100					1	mg/l	lbs			
2M. Arsenic, Total (7440-38-2)	X			<0.005	<100					1	mg/l	lbs			
3M. Beryllium, Total (7440-41-7)	X			<0.0025	<67					1	mg/l	lbs			
4M. Cadmium, Total (7440-43-9)	X			<0.00050	<10					1	mg/l	lbs			
5M. Chromium, Total (7440-47-3)	X			0.0047	120					1	mg/l	lbs			
6M. Copper, Total (7440-50-8)	X			<0.005	<100					1	mg/l	lbs			
7M. Lead, Total (7439-92-1)	X			<0.0050	<100					1	mg/l	lbs			
8M. Mercury, total (7439-97-6)	X			<0.00020	<5					1	mg/l	lbs			
9M. Nickel, Total (7440-02-0)	X			0.012	320					1	mg/l	lbs			
10M. Selenium, Total (7782-49-2)	X			<0.004	<100					1	mg/l	lbs			
11M. Silver, Total (7440-22-4)	X			<0.0010	<30					1	mg/l	lbs			
12M. Thallium, Total (7440-28-0)	X			<0.0020	<50					1	mg/l	lbs			
13M. Zinc, Total (7440-66-6)	X			<0.020	<500					1	mg/l	lbs			
14M. Cyanide, Total (57-12-5)	X			0.0033	88					1	mg/l	lbs			
15M. Phenols, Total	X			<0.010	<300					1	mg/l	lbs			
<b>DIOXIN</b>															
2,3,7,8 Tetra- chlorodibenzo-P Dioxin (1784-01-6)				DESCRIBE RESULTS											
Not Required.															

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TEST- ING REQUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF 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>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X			<100	<2670					1	ug/l	lbs			
2V. Acrylonitrile (107-13-1)	X			<100	<2670					1	ug/l	lbs			
3V. Benzene (71-43-2)	X			<5.0	<100					1	ug/l	lbs			
4V. Bis (Chloro- methyl) Ether (542-88-1)	N/R			N/R											
5V. Bromoform (75-25-2)	X			<5.0	<100					1	ug/l	lbs			
6V. Carbon Tetrachloride (56-23-5)	X			<5.0	<100					1	ug/l	lbs			
7V. Chlorobenzene (108-90-7)	X			<5.0	<100					1	ug/l	lbs			
8V. Chlorodi- bromomethane (124-48-1)	X			<5.0	<100					1	ug/l	lbs			
9V. Chloroethane (75-00-3)	X			<10	<270					1	ug/l	lbs			
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<10	<270					1	ug/l	lbs			
11V. Chloroform (67-66-3)	X			<5.0	<100					1	ug/l	lbs			
12V. Dichloro- bromomethane (75-27-4)	X			<5.0	<100					1	ug/l	lbs			
13V. Dichloro- difluoromethane (75-71-8)	X			<10	<270					1	ug/l	lbs			
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5.0	<100					1	ug/l	lbs			
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5.0	<100					1	ug/l	lbs			
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5.0	<100					1	ug/l	lbs			
17V. 1,2-Dichloro- propane (78-87-5)	X			<5.0	<100					1	ug/l	lbs			
18V. 1,3-Dichloro- propylene (542-75-6)	X			<5.0	<100					1	ug/l	lbs			
19V. Ethylbenzene (100-41-4)	X			<5.0	<100					1	ug/l	lbs			
20V. Methyl Bromide (74-83-9)	X			<10	<270					1	ug/l	lbs			
21V. Methyl Chloride (74-87-3)	X			<10	<270					1	ug/l	lbs			

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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		
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>																
22V. Methylene Chloride (75-09-2)	X			<5.0	<100					1	ug/l	lbs				
23V. 1,1,2,2-Tetra- chloroethene (79-34-5)	X			<5.0	<100					1	ug/l	lbs				
24V. Tetrachloro- ethylene (127-18-4)	X			<5.0	<100					1	ug/l	lbs				
25V. Toluene (108-88-3)	X			<5.0	<100					1	ug/l	lbs				
26V. 1,2-Trans- Dichloroethylene (156-60-5)	X			<5.0	<100					1	ug/l	lbs				
27V. 1,1,1-Tri- chloroethane (71-55-6)	X			<5.0	<100					1	ug/l	lbs				
28V. 1,1,2-Tri- Chloroethane (79-00-5)	X			<5.0	<100					1	ug/l	lbs				
29V. Trichloro- ethylene (79-01-6)	X			<5.0	<100					1	ug/l	lbs				
30V. Trichloro- fluoromethane (75-69-4)	X			<10	<270					1	ug/l	lbs				
31V. Vinyl Chloride (75-01-4)	X			<10	<270					1	ug/l	lbs				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>																
1A. 2-Chlorophenol (95-57-8)	X			<10	<270					1	ug/l	lbs				
2A. 2,4-Dichloro- phenol (120-83-2)	X			<10	<270					1	ug/l	lbs				
3A. 2,4-Dimethyl- phenol (105-67-9)	X			<10	<270					1	ug/l	lbs				
4A. 4,6-Dinitro-0- Cresol (534-52-1)	X			<50	<1300					1	ug/l	lbs				
5A. 2,4-Dinitro- phenol (51-28-5)	X			<50	<1300					1	ug/l	lbs				
6A. 2-Nitrophenol (88-75-5)	X			<10	<270					1	ug/l	lbs				
7A. 4-Nitrophenol (100-02-7)	X			<50	<1300					1	ug/l	lbs				
8A. P-Chloro-M- Cresol (59-50-7)	X			<20	<530					1	ug/l	lbs				
9A. Pentachloro- phenol (87-86-5)	X			<50	<1300					1	ug/l	lbs				
10A. Phenol (108-95-2)	X			<10	<270					1	ug/l	lbs				
11A. 2,4,6-Tri- chlorophenol (88-06-2)	X			<10	<270					1	ug/l	lbs				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X			<10	<270					1	ug/l	lbs			
2B. Acenaphylene (208-96-8)	X			<10	<270					1	ug/l	lbs			
3B. Anthracene (120-12-7)	X			<10	<270					1	ug/l	lbs			
4B. Benzidine (92-87-5)	X			<50	<1300					1	ug/l	lbs			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<270					1	ug/l	lbs			
6B. Benzo (a) Pyrene (50-32-8)	X			<10	<270					1	ug/l	lbs			
7B. 3,4-Benzo- fluoranthene (205-99-2)	X			<10	<270					1	ug/l	lbs			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10	<270					1	ug/l	lbs			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10	<270					1	ug/l	lbs			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	X			<10	<270					1	ug/l	lbs			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			<10	<270					1	ug/l	lbs			
12B. Bis (2-Chloro- isopropyl) Ether (102-60-1)	X			<10	<270					1	ug/l	lbs			
13B. Bis (2-Chloro- ethyl) Phthalate (117-81-7)	X			<10	<270					1	ug/l	lbs			
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)	X			<10	<270					1	ug/l	lbs			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10	<270					1	ug/l	lbs			
16B. 2-Chloro- naphthalene (91-58-7)	X			<10	<270					1	ug/l	lbs			
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)	X			<10	<270					1	ug/l	lbs			
18B. Chrysene (218- 01-9)	X			<10	<270					1	ug/l	lbs			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10	<270					1	ug/l	lbs			
20B. 1,2-Dichloro- benzene (95-50-1)	X			<10	<270					1	ug/l	lbs			
21B. 1,3-Dichloro- benzene (541-73-1)	X			<10	<270					1	ug/l	lbs			



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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<270					1	ug/l	lbs			
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			<20	<530					1	ug/l	lbs			
24B. Diethyl Phthalate (84-66-2)	X			<10	<270					1	ug/l	lbs			
25B. Dimethyl Phthalate (131-11-3)	X			<10	<270					1	ug/l	lbs			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10	<270					1	ug/l	lbs			
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10	<270					1	ug/l	lbs			
28B. 2,6-Dinitro- toluene (606-20-2)	X			<10	<270					1	ug/l	lbs			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10	<270					1	ug/l	lbs			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-65-7)	X			<10	<270					1	ug/l	lbs			
31B. Fluorathene (206-44-0)	X			<10	<270					1	ug/l	lbs			
32B. Fluorene (86-73-7)	X			<10	<270					1	ug/l	lbs			
33B. Hexachloro- benzene (118-74-1)	X			<10	<270					1	ug/l	lbs			
34B. Hexa- chlorobutadiene (87-68-3)	X			<10	<270					1	ug/l	lbs			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10	<270					1	ug/l	lbs			
36B. Hexachloro- ethane (67-72-1)	X			<10	<270					1	ug/l	lbs			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10	<270					1	ug/l	lbs			
38B. Isophorone (78-59-1)	X			<10	<270					1	ug/l	lbs			
39B. Naphthalene (91-20-3)	X			<10	<270					1	ug/l	lbs			
40B. Nitrobenzene (98-95-3)	X			<10	<270					1	ug/l	lbs			
41B. N-Nitro- sodimethylamine (62- 75-9)	X			<10	<270					1	ug/l	lbs			
42B. N-Nitrosodi- N- Propylamine (621-64-7)	X			<10	<270					1	ug/l	lbs			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)	X			<10	<270					1	ug/l	lbs			
44B. Phenanthrene (85-01-8)	X			<10	<270					1	ug/l	lbs			
45B. Pyrene (129-00-0)	X			<10	<270					1	ug/l	lbs			
46B. 1,2,4-Tr Chlorobenzene (120-82-1)	X			<10	<270					1	ug/l	lbs			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)				N/R											
2P. α-BHC (319-85-7)				N/R											
3P. β-BHC (319-85-7)				N/R											
4P. γ-BHC (58-89-9)				N/R											
5P. δ-BHC (319-86-8)				N/R											
6P. Chlorodane (57-74-9)				N/R											
7P. 4,4'-DDT (50-29-3)				N/R											
8P. 4,4'-DDE (72-55-9)				N/R											
9P. 4,4'-DDD (72-54-8)				N/R											
10P. Dieldrin (60-57-1)				N/R											
11P. α-Endosulfan (115-29-7)				N/R											
12P. β-Endosulfan (115-29-7)				N/R											
13P. Endosulfan Sulfate (1031-07-8)				N/R											
14P. Endrin (72-20-8)				N/R											
15P. Endrin Aldehyde (7421-93-4)				N/R											
16P. Heptachlor (75-44-8)				N/R											

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)				N/R											
18P. PCB-1242 (53469-21-9)				N/R											
19P. PCB-1254 (11097-69-1)				N/R											
20P. PCB-1221 (11104-28-2)				N/R											
21P. PCB-1232 (11141-16-5)				N/R											
22P. PCB-1248 (12672-29-6)				N/R											
23P. PCB-1260 (11096-82-5)				N/R											
24P. PCB-1016 (12674-11-2)				N/R											
25P. Toxaphene (8001-35-2)				N/R											

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You 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)

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Form by ChemSurv(10/88) 0845 pml1107 v.5.2 10/15/87

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

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 Part B.												
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 AVRG. VALUE (if available)					a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	4.1	9.5					1	mg/l	lbs			
b. Chemical Oxygen Demand (COD)	93	220					1	mg/l	lbs			
c. Total Organic Carbon (TOC)	1.7	3.9					1	mg/l	lbs			
d. Total Suspended Solids (TSS)					11.8	27.4	12	mg/l	lbs			
e. Ammonia (as N)	<2.0	<5.0					1	mg/l	lbs			
f. Flow	VALUE		VALUE		0.278		13	mgd		VALUE		
g. Temperature (winter)	VALUE		VALUE		Ambient			°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		Ambient			°C		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM 6.9	MAXIMUM 8.3			13	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 (specify if blank)		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES		a. 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 (24959-07-9)		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											

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			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		
g. Nitrogen, Total Organic (as N)		X													
h. Oil and Grease	X						4.6	11.0	12	mg/l	lbs				
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													
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 (7440-31-5)		X													
x. Titanium, Total (7440-32-6)		X													

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CONTINUED FROM PAGE 2 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 of 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 REQUIR- 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 AVRG. 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	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X			<0.0050	<0.01					1	mg/l	lbs			
2M. Arsenic, Total (7440-38-2)	X			<0.0050	<0.01					1	mg/l	lbs			
3M. Beryllium, Total (7440-41-7)	X			<0.0025	<0.0058					1	mg/l	lbs			
4M. Cadmium, Total (7440-43-9)	X			<0.00050	<0.001					1	mg/l	lbs			
5M. Chromium, Total (7440-47-3)	X			0.0046	0.011					1	mg/l	lbs			
6M. Copper, Total (7440-50-8)	X			0.06	0.1					12	mg/l	lbs			
7M. Lead, Total (7439-92-1)	X			<0.0050	<0.01					1	mg/l	lbs			
8M. Mercury, total (7439-97-6)	X			<0.00020	<0.0005					1	mg/l	lbs			
9M. Nickel, Total (7440-02-0)	X			0.014	0.032					1	mg/l	lbs			
10M. Selenium, Total (7782-49-2)	X			0.012	0.028					1	mg/l	lbs			
11M. Silver, Total (7440-22-4)	X			<0.0010	<0.002					1	mg/l	lbs			
12M. Thallium, Total (7440-28-0)	X			<0.0020	<0.005					1	mg/l	lbs			
13M. Zinc, Total (7440-66-6)	X			0.025	0.058					1	mg/l	lbs			
14M. Cyanide, Total (57-12-5)	X			0.0043	0.002					1	mg/l	lbs			
15M. Phenols, Total	X			<0.010	<0.02					1	mg/l	lbs			
<b>DIOXIN</b>															
2,3,7,8 Tetra- chlorodibenzo-P Dioxin (1784-01-6)				DESCRIBE RESULTS											
Not Required.															

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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		
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>																
1V. Acrolein (107-02-8)	X			<100	<0.232					1	ug/l	lbs				
2V. Acrylonitrile (107-13-1)	X			<100	<0.232					1	ug/l	lbs				
3V. Benzene (71-43-2)	X			<5.0	<0.01					1	ug/l	lbs				
4V. Bis (Chloro- methyl) Ether (542-88-1)	N/R			N/R												
5V. Bromoform (75-25-2)	X			<5.0	<0.01					1	ug/l	lbs				
6V. Carbon Tetrachloride (56-23-5)	X			<5.0	<0.01					1	ug/l	lbs				
7V. Chlorobenzene (108-90-7)	X			<5.0	<0.01					1	ug/l	lbs				
8V. Chlorodi- bromomethane (124-48-1)	X			<5.0	<0.01					1	ug/l	lbs				
9V. Chloroethane (75-00-3)	X			<10	<0.023					1	ug/l	lbs				
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<10	<0.023					1	ug/l	lbs				
11V. Chloroform (67-66-3)	X			<5.0	<0.01					1	ug/l	lbs				
12V. Dichloro- bromomethane (75-27-4)	X			<5.0	<0.01					1	ug/l	lbs				
13V. Dichloro- difluoromethane (75-71-8)	X			<10	<0.023					1	ug/l	lbs				
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5.0	<0.01					1	ug/l	lbs				
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5.0	<0.01					1	ug/l	lbs				
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5.0	<0.01					1	ug/l	lbs				
17V. 1,2-Dichloro- propane (78-87-5)	X			<5.0	<0.01					1	ug/l	lbs				
18V. 1,3-Dichloro- propane (542-75-8)	X			<5.0	<0.01					1	ug/l	lbs				
19V. Ethylbenzene (100-41-4)	X			<5.0	<0.01					1	ug/l	lbs				
20V. Methyl Bromide (74-83-9)	X			<10	<0.023					1	ug/l	lbs				
21V. Methyl Chloride (74-87-3)	X			<10	<0.023					1	ug/l	lbs				

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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. TEST- ING REQUIR- 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 AVRG. VALUE (if available)			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	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X			<5.0	<0.01					1	ug/l	lbs			
23V. 1,1,2,2-Tetrachloroethene (79-34-5)	X			<5.0	<0.01					1	ug/l	lbs			
24V. Tetrachloroethylene (127-18-4)	X			<5.0	<0.01					1	ug/l	lbs			
25V. Toluene (108-88-3)	X			<5.0	<0.01					1	ug/l	lbs			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			<5.0	<0.01					1	ug/l	lbs			
27V. 1,1,1-Trichloroethane (71-55-6)	X			<5.0	<0.01					1	ug/l	lbs			
28V. 1,1,2-Trichloroethane (79-00-5)	X			<5.0	<0.01					1	ug/l	lbs			
29V. Trichloroethylene (79-01-6)	X			<5.0	<0.01					1	ug/l	lbs			
30V. Trichlorofluoromethane (75-69-4)	X			<10	<0.023					1	ug/l	lbs			
31V. Vinyl Chloride (75-01-4)	X			<10	<0.023					1	ug/l	lbs			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X			<10	<0.023					1	ug/l	lbs			
2A. 2,4-Dichlorophenol (120-83-2)	X			<10	<0.023					1	ug/l	lbs			
3A. 2,4-Dimethylphenol (105-67-9)	X			<10	<0.023					1	ug/l	lbs			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			<50	<0.12					1	ug/l	lbs			
5A. 2,4-Dinitrophenol (51-28-5)	X			<50	<0.12					1	ug/l	lbs			
6A. 2-Nitrophenol (88-75-5)	X			<10	<0.023					1	ug/l	lbs			
7A. 4-Nitrophenol (100-02-7)	X			<50	<0.12					1	ug/l	lbs			
8A. P-Chloro-M-Cresol (59-50-7)	X			<20	<0.046					1	ug/l	lbs			
9A. Pentachlorophenol (87-86-5)	X			<50	<0.12					1	ug/l	lbs			
10A. Phenol (108-95-2)	X			<10	<0.023					1	ug/l	lbs			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			<10	<0.023					1	ug/l	lbs			



1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)	X			<10	<0.023					1	ug/l	lbs			
2B. Acenaphthylene (208-96-8)	X			<10	<0.023					1	ug/l	lbs			
3B. Anthracene (120-12-7)	X			<10	<0.023					1	ug/l	lbs			
4B. Benzidine (92-87-5)	X			<50	<0.12					1	ug/l	lbs			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.023					1	ug/l	lbs			
6B. Benzo (a) Pyrene (50-32-8)	X			<10	<0.023					1	ug/l	lbs			
7B. 3,4-Benzo- fluoranthene (205-99-2)	X			<10	<0.023					1	ug/l	lbs			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10	<0.023					1	ug/l	lbs			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10	<0.023					1	ug/l	lbs			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	X			<10	<0.023					1	ug/l	lbs			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			<10	<0.023					1	ug/l	lbs			
12B. Bis (2-Chloro- isopropyl) Ether (102-60-1)	X			<10	<0.023					1	ug/l	lbs			
13B. Bis (2-Chloro- ethyl) Phthalate (117-81-7)	X			<10	<0.023					1	ug/l	lbs			
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)	X			<10	<0.023					1	ug/l	lbs			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10	<0.023					1	ug/l	lbs			
16B. 2-Chloro- naphthalene (91-58-7)	X			<10	<0.023					1	ug/l	lbs			
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)	X			<10	<0.023					1	ug/l	lbs			
18B. Chrysene (218- 01-9)	X			<10	<0.023					1	ug/l	lbs			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10	<0.023					1	ug/l	lbs			
20B. 1,2-Dichloro- benzene (95-50-1)	X			<10	<0.023					1	ug/l	lbs			
21B. 1,3-Dichloro- benzene (541-73-1)	X			<10	<0.023					1	ug/l	lbs			

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<0.023					1	ug/l	lbs			
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			<20	<0.046					1	ug/l	lbs			
24B. Diethyl Phthalate (84-66-2)	X			<10	<0.023					1	ug/l	lbs			
25B. Dimethyl Phthalate (131-11-3)	X			<10	<0.023					1	ug/l	lbs			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10	<0.023					1	ug/l	lbs			
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10	<0.023					1	ug/l	lbs			
28B. 2,6-Dinitro- toluene (86-20-2)	X			<10	<0.023					1	ug/l	lbs			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10	<0.023					1	ug/l	lbs			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			<10	<0.023					1	ug/l	lbs			
31B. Fluoranthene (206-44-0)	X			<10	<0.023					1	ug/l	lbs			
32B. Fluorene (86-73-7)	X			<10	<0.023					1	ug/l	lbs			
33B. Hexachloro- benzene (118-74-1)	X			<10	<0.023					1	ug/l	lbs			
34B. Hexa- chlorobutadiene (87-68-3)	X			<10	<0.023					1	ug/l	lbs			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10	<0.023					1	ug/l	lbs			
36B. Hexachloro- ethane (87-72-1)	X			<10	<0.023					1	ug/l	lbs			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10	<0.023					1	ug/l	lbs			
38B. Isophorone (78-59-1)	X			<10	<0.023					1	ug/l	lbs			
39B. Naphthalene (91-20-3)	X			<10	<0.023					1	ug/l	lbs			
40B. Nitrobenzene (98-95-3)	X			<10	<0.023					1	ug/l	lbs			
41B. N-Nitro- sodimethylamine (62- 75-9)	X			<10	<0.023					1	ug/l	lbs			
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X			<10	<0.023					1	ug/l	lbs			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitro- sodiphenylamine (86-30-6)	X			<10	<0.023					1	ug/l	lbs			
44B. Phenanthrene (85-01-8)	X			<10	<0.023					1	ug/l	lbs			
45B. Pyrene (129-00-0)	X			<10	<0.023					1	ug/l	lbs			
46B. 1,2,4-Tr. Chlorobenzene (120-82-1)	X			<10	<0.023					1	ug/l	lbs			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)				N/R											
2P. α-BHC (319-85-7)				N/R											
3P. β-BHC (319-85-7)				N/R											
4P. γ-BHC (58- 89-9)				N/R											
5P. δ-BHC (319-86-8)				N/R											
6P. Chlorodane (57-74-0)				N/R											
7P. 4,4'-DDT (50- 29-3)				N/R											
8P. 4,4'-DDE (72-55-9)				N/R											
9P. 4,4'-DDD (72-54-8)				N/R											
10P. Dieldrin (60-57-1)				N/R											
11P. α-Endosulfan (115-29-7)				N/R											
12P. β-Endosulfan (115-29-7)				N/R											
13P. Endosulfan Sulfate (1031-07-8)				N/R											
14P. Endrin (72-20-8)				N/R											
15P. Endrin Aldehyde (7421-93-4)				N/R											
16P. Heptachlor (75-44-8)				N/R											

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)				N/R											
18P. PCB-1242 (53469-21-9)				N/R											
19P. PCB-1254 (11097-69-1)				N/R											
20P. PCB-1221 (11104-28-2)				N/R											
21P. PCB-1232 (11141-16-5)				N/R											
22P. PCB-1248 (12672-29-6)				N/R											
23P. PCB-1260 (11096-82-5)				N/R											
24P. PCB-1016 (12674-11-2)				N/R											
25P. Toxaphene (8001-35-2)				N/R											

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PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You 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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## V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-G)

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 AVRG. 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)	<2.0	<0.05					1	mg/l	lbs				
b. Chemical Oxygen Demand (COD)	48	1.1					1	mg/l	lbs				
c. Total Organic Carbon (TOC)	2.2	0.051					1	mg/l	lbs				
d. Total Suspended Solids (TSS)					13.3	0.31	6	mg/l	lbs				
e. Ammonia (as N)													
f. Flow	VALUE		VALUE		VALUE		17	mgd		VALUE			
g. Temperature (winter)	VALUE		VALUE		VALUE				°C	VALUE			
h. Temperature (summer)	VALUE		VALUE		VALUE				°C	VALUE			
i. pH	MINIMUM 7.2	MAXIMUM 7.2	MINIMUM	MAXIMUM			1	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 (specify if blank)		5. INTAKE (optional)			
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. 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 (24959-87-9)		X													
b. Chlorine Total Residual	X						<0.1	<0.002	13	mg/l	lbs				
c. Color		X													
d. Fecal Coliform		X													
e. Fluoride (15984-48-8)		X													
f. Nitrate-Nitrite (as N)		X													

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. 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			
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														
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 (7440-31-5)		X														
x. Titanium, Total (7440-32-6)		X														

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**PART C-** If you are a primary industry and this outfall contains process wastewater, refer to Table 2b-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 of 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 REQUIRE- D	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENT- RATION	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			<0.50	<0.01					1	mg/l	lbs			
2M. Arsenic, Total (7440-38-2)	X			<0.50	<0.01					1	mg/l	lbs			
3M. Beryllium, Total (7440-41-7)	X			<0.0050	<0.0001					1	mg/l	lbs			
4M. Cadmium, Total (7440-43-9)	X			<0.010	<0.0002					1	mg/l	lbs			
5M. Chromium, Total (7440-47-3)	X			<0.020	<0.0005					1	mg/l	lbs			
6M. Copper, Total (7440-50-8)	X			0.024	0.0056					1	mg/l	lbs			
7M. Lead, Total (7439-92-1)	X			<0.10	<0.002					1	mg/l	lbs			
8M. Mercury, total (7439-97-6)	X			<0.00020	<0.000005					1	mg/l	lbs			
9M. Nickel, Total (7440-02-0)	X			<0.020	<0.0005					1	mg/l	lbs			
10M. Selenium, Total (7782-49-2)	X			<0.50	<0.01					1	mg/l	lbs			
11M. Silver, Total (7440-22-4)	X			<0.020	<0.0005					1	mg/l	lbs			
12M. Thallium, Total (7440-28-0)	X			<0.50	<0.01					1	mg/l	lbs			
13M. Zinc, Total (7440-66-6)	X			0.056	0.0013					1	mg/l	lbs			
14M. Cyanide, Total (57-12-5)	X			<0.0010	<0.00002					1	mg/l	lbs			
15M. Phenols, Total	X			0.055	0.0012					1	mg/l	lbs			
<b>DIOXIN</b>															
2,3,7,8 Tetra- chlorodibenzo-P Dioxin (1784-01-6)				DESCRIBE RESULTS											
Not Required.															

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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>GC/MS FRACTION - VOLATILE COMPOUNDS</b>																
1V. Acrolein (107-02-8)	X			<100	<0.0023					1	ug/l	lbs				
2V. Acrylonitrile (107-13-1)	X			<100	<0.0023					1	ug/l	lbs				
3V. Benzene (71-43-2)	X			<5.0	<0.0001					1	ug/l	lbs				
4V. Bis (Chloro- methyl) Ether (542-88-1)	N/R			N/R												
5V. Bromoform (75-25-2)	X			<5.0	<0.0001					1	ug/l	lbs				
6V. Carbon Tetrachloride (56-23-5)	X			<5.0	<0.0001					1	ug/l	lbs				
7V. Chlorobenzene (108-90-7)	X			<5.0	<0.0001					1	ug/l	lbs				
8V. Chlorodi- bromomethane (124-48-1)	X			<5.0	<0.0001					1	ug/l	lbs				
9V. Chloroethane (75-00-3)	X			<10	<0.00023					1	ug/l	lbs				
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<10	<0.00023					1	ug/l	lbs				
11V. Chloroform (67-66-3)	X			<5.0	<0.0001					1	ug/l	lbs				
12V. Dichloro- bromomethane (75-27-4)	X			<5.0	<0.0001					1	ug/l	lbs				
13V. Dichloro- difluoromethane (75-71-8)	X			<10	<0.00023					1	ug/l	lbs				
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5.0	<0.0001					1	ug/l	lbs				
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5.0	<0.0001					1	ug/l	lbs				
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5.0	<0.0001					1	ug/l	lbs				
17V. 1,2-Dichloro- propane (78-87-5)	X			<5.0	<0.0001					1	ug/l	lbs				
18V. 1,3-Dichloro- propylene (542-75-6)	X			<5.0	<0.0001					1	ug/l	lbs				
19V. Ethylbenzene (100-41-4)	X			<5.0	<0.0001					1	ug/l	lbs				
20V. Methyl Bromide (74-83-9)	X			<10	<0.00023					1	ug/l	lbs				
21V. Methyl Chloride (74-87-3)	X			<10	<0.00023					1	ug/l	lbs				



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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. TEST- ING REQUIR- 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 AVRG. VALUE (if available)			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	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X			<5.0	<0.0001					1	ug/l	lbs			
23V. 1,1,2,2-Tetra-chloroethene (79-34-5)	X			<5.0	<0.0001					1	ug/l	lbs			
24V. Tetrachloro-ethylene (127-18-4)	X			<5.0	<0.0001					1	ug/l	lbs			
25V. Toluene (108-88-3)	X			<5.0	<0.0001					1	ug/l	lbs			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			<5.0	<0.0001					1	ug/l	lbs			
27V. 1,1,1-Trichloroethane (71-55-6)	X			<5.0	<0.0001					1	ug/l	lbs			
28V. 1,1,2-Trichloroethane (79-00-5)	X			<5.0	<0.0001					1	ug/l	lbs			
29V. Trichloroethylene (79-01-6)	X			<5.0	<0.0001					1	ug/l	lbs			
30V. Trichlorofluoromethane (75-69-4)	X			<10	<0.00023					1	ug/l	lbs			
31V. Vinyl Chloride (75-01-4)	X			<10	<0.00023					1	ug/l	lbs			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X			<10	<0.00023					1	ug/l	lbs			
2A. 2,4-Dichlorophenol (120-83-2)	X			<10	<0.00023					1	ug/l	lbs			
3A. 2,4-Dimethylphenol (105-67-9)	X			<10	<0.00023					1	ug/l	lbs			
4A. 4,6-Dinitro-0-Cresol (534-52-1)	X			<50	<0.0012					1	ug/l	lbs			
5A. 2,4-Dinitrophenol (51-28-3)	X			<50	<0.0012					1	ug/l	lbs			
6A. 2-Nitrophenol (88-75-5)	X			<10	<0.00023					1	ug/l	lbs			
7A. 4-Nitrophenol (100-02-7)	X			<50	<0.0012					1	ug/l	lbs			
8A. P-Chloro-M-Cresol (59-50-7)	X			<20	<0.00047					1	ug/l	lbs			
9A. Pentachlorophenol (87-86-5)	X			<50	<0.0012					1	ug/l	lbs			
10A. Phenol (108-95-2)	X			<10	<0.00023					1	ug/l	lbs			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			<10	<0.00023					1	ug/l	lbs			

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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		
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>																
1B. Acenaphthene (83-32-9)	X			<10	<0.00023					1	ug/l	lbs				
2B. Acenaphylene (208-96-8)	X			<10	<0.00023					1	ug/l	lbs				
3B. Anthracene (120-12-7)	X			<10	<0.00023					1	ug/l	lbs				
4B. Benzidine (92-87-5)	X			<50	<0.0012					1	ug/l	lbs				
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.00023					1	ug/l	lbs				
6B. Benzo (a) Pyrene (50-32-8)	X			<10	<0.00023					1	ug/l	lbs				
7B. 3,4-Benzo- fluoranthene (205-99-2)	X			<10	<0.00023					1	ug/l	lbs				
8B. Benzo (ghi) Perylene (191-24-2)	X			<10	<0.00023					1	ug/l	lbs				
9B. Benzo (h) Fluoranthene (207-08-9)	X			<10	<0.00023					1	ug/l	lbs				
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	X			<10	<0.00023					1	ug/l	lbs				
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			<10	<0.00023					1	ug/l	lbs				
12B. Bis (2-Chloro- isopropyl) Ether (102-60-1)	X			<10	<0.00023					1	ug/l	lbs				
13B. Bis (2-Chloro- ethyl) Phthalate (117-81-7)	X			29	0.00068					1	ug/l	lbs				
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)	X			<10	<0.00023					1	ug/l	lbs				
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10	<0.00023					1	ug/l	lbs				
16B. 2-Chloro- naphthalene (91-58-7)	X			<10	<0.00023					1	ug/l	lbs				
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)	X			<10	<0.00023					1	ug/l	lbs				
18B. Chrysene (218- 01-9)	X			<10	<0.00023					1	ug/l	lbs				
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10	<0.00023					1	ug/l	lbs				
20B. 1,2-Dichloro- benzene (95-50-1)	X			<10	<0.00023					1	ug/l	lbs				
21B. 1,3-Dichloro- benzene (541-73-1)	X			<10	<0.00023					1	ug/l	lbs				

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING - REQUIR- 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 AVRG. 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>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>																
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<0.00023					1	ug/l	lbs				
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			<20	<0.00047					1	ug/l	lbs				
24B. Diethyl Phthalate (84-66-2)	X			<10	<0.00023					1	ug/l	lbs				
25B. Dimethyl Phthalate (131-11-3)	X			<10	<0.00023					1	ug/l	lbs				
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10	<0.00023					1	ug/l	lbs				
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10	<0.00023					1	ug/l	lbs				
28B. 2,6-Dinitro- toluene (806-20-2)	X			<10	<0.00023					1	ug/l	lbs				
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10	<0.00023					1	ug/l	lbs				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			<10	<0.00023					1	ug/l	lbs				
31B. Fluorathene (208-44-0)	X			<10	<0.00023					1	ug/l	lbs				
32B. Fluorene (86-73-7)	X			<10	<0.00023					1	ug/l	lbs				
33B. Hexachloro- benzene (118-74-1)	X			<10	<0.00023					1	ug/l	lbs				
34B. Hexa- chlorobutadiene (87-68-3)	X			<10	<0.00023					1	ug/l	lbs				
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10	<0.00023					1	ug/l	lbs				
36B. Hexachloro- ethane (87-72-1)	X			<10	<0.00023					1	ug/l	lbs				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10	<0.00023					1	ug/l	lbs				
38B. Isophorone (78-59-1)	X			<10	<0.00023					1	ug/l	lbs				
39B. Naphthalene (91-20-3)	X			<10	<0.00023					1	ug/l	lbs				
40B. Nitrobenzene (98-95-3)	X			<10	<0.00023					1	ug/l	lbs				
41B. N-Nitro- sodimethylamine (82- 75-9)	X			<10	<0.00023					1	ug/l	lbs				
42B. N-Nitrosodi- N- Propylamine (621-64-7)	X			<10	<0.00023					1	ug/l	lbs				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitro- sodiphenylamine (86-30-6)	X			<10	<0.00023					1	ug/l	lbs			
44B. Phenanthrene (85-01-8)	X			<10	<0.00023					1	ug/l	lbs			
45B. Pyrene (129-00-0)	X			<10	<0.00023					1	ug/l	lbs			
46B. 1,2,4-Tr- Chlorobenzene (120-82-1)	X			<10	<0.00023					1	ug/l	lbs			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)				N/R											
2P. α-BHC (319-85-7)				N/R											
3P. β-BHC (319-85-7)				N/R											
4P. γ-BHC (58- 80-9)				N/R											
5P. δ-BHC (319-86-8)				N/R											
6P. Chlorodane (57-74-0)				N/R											
7P. 4,4'-DDT (50- 29-3)				N/R											
8P. 4,4'-DDE (72-55-9)				N/R											
9P. 4,4'-DDD (72-54-8)				N/R											
10P. Dieldrin (60-57-1)				N/R											
11P. α-Endosulfan (115-29-7)				N/R											
12P. β-Endosulfan (115-29-7)				N/R											
13P. Endosulfan Sulfate (1031-07-8)				N/R											
14P. Endrin (72-20-8)				N/R											
15P. Endrin Aldehyde (7421-93-4)				N/R											
16P. Heptachlor (75-44-8)				N/R											

EPA ID NUMBER (copy from Item 1 of form 1)	OUTFALL NUMBER
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)				N/R											
18P. PCB-1242 (53469-21-9)				N/R											
19P. PCB-1254 (11097-69-1)				N/R											
20P. PCB-1221 (11104-28-2)				N/R											
21P. PCB-1232 (11141-16-5)				N/R											
22P. PCB-1248 (12672-29-8)				N/R											
23P. PCB-1260 (11095-82-5)				N/R											
24P. PCB-1016 (12674-11-2)				N/R											
25P. Toxaphene (8001-35-2)				N/R											

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You 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)

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

OUTFALL NO.  
101A

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 <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>					a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)					10.6	1.72	52	mg/l	lbs			
b. Chemical Oxygen Demand (COD)	26	4.2					1	mg/l	lbs			
c. Total Organic Carbon (TOC)	5.6	0.91					1	mg/l	lbs			
d. Total Suspended Solids (TSS)					3.4	0.55	52	mg/l	lbs			
e. Ammonia (as N)	<1.0	<0.2					1	mg/l	lbs			
f. Flow	VALUE		VALUE		0.0195		365	mgd		VALUE		
g. Temperature (winter)	VALUE		VALUE		Ambient			°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		Ambient			°C		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			365	STANDARD UNITS				
			6.3	8.6								

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 (specify if blank)		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES		a. 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						<0.1	<0.02	365	mg/l	lbs			
c. Color		X												
d. Fecal Coliform	X						2.9		54	MPN				
e. Fluoride (15984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		<0.050	<0.008					1	mg/l	lbs			

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. 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		
g. Nitrogen, Total Organic (as N)	X		<1.0	<0.2					1	mg/l	lbs				
h. Oil and Grease	X		<5.0	<0.8					1	mg/l	lbs				
i. Phosphorus (as P), Total (7723-14-0)	X		4.3	0.7					1	mg/l	lbs				
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													
s. Iron, Total (7439-89-8)		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 (7440-31-5)		X													
x. Titanium, Total (7440-32-6)		X													

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CONTINUED FROM PAGE 2 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 of 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 REQUIRE- D	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. 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			<0.0050	<0.0008					1	mg/l	lbs			
2M. Arsenic, Total (7440-38-2)	X			0.014	0.0023					1	mg/l	lbs			
3M. Beryllium, Total (7440-41-7)	X			<0.0025	<0.00041					1	mg/l	lbs			
4M. Cadmium, Total (7440-43-9)	X			<0.00050	<0.00008					1	mg/l	lbs			
5M. Chromium, Total (7440-47-3)	X			0.0041	0.00067					1	mg/l	lbs			
6M. Copper, Total (7440-50-8)	X			0.022	0.0036					1	mg/l	lbs			
7M. Lead, Total (7439-92-1)	X			<0.0050	<0.0008					1	mg/l	lbs			
8M. Mercury, total (7439-97-6)	X			<0.00020	<0.00003					1	mg/l	lbs			
9M. Nickel, Total (7440-02-0)	X			0.028	0.0046					1	mg/l	lbs			
10M. Selenium, Total (7782-49-2)	X			<0.0050	<0.0008					1	mg/l	lbs			
11M. Silver, Total (7440-22-4)	X			<0.0010	<0.0002					1	mg/l	lbs			
12M. Thallium, Total (7440-28-0)	X			<0.0020	<0.0003					1	mg/l	lbs			
13M. Zinc, Total (7440-66-6)	X			0.060	0.01					1	mg/l	lbs			
14M. Cyanide, Total (57-12-5)	X			0.0039	0.0063					1	mg/l	lbs			
15M. Phenols, Total	X			<0.010	<0.002					1	mg/l	lbs			
<b>DIOXIN</b>															
2,3,7,8 Tetra-chlorodibenzo-P Dioxin (1784-01-6)				DESCRIBE RESULTS											
Not Required.															



1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)	X			<100	<0.0163					1	ug/l	lbs			
2V. Acrylonitrile (107-13-1)	X			<100	<0.0163					1	ug/l	lbs			
3V. Benzene (71-43-2)	X			<5.0	<0.0008					1	ug/l	lbs			
4V. Bis (Chloro- methyl) Ether (542-88-1)	N/R			N/R											
5V. Bromoform (75-25-2)	X			<5.0	<0.0008					1	ug/l	lbs			
6V. Carbon Tetrachloride (56-23-5)	X			<5.0	<0.0008					1	ug/l	lbs			
7V. Chlorobenzene (108-90-7)	X			<5.0	<0.0008					1	ug/l	lbs			
8V. Chlorodi- bromomethane (124-48-1)	X			<5.0	<0.0008					1	ug/l	lbs			
9V. Chloroethane (75-00-3)	X			<10	<0.0016					1	ug/l	lbs			
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<10	<0.0016					1	ug/l	lbs			
11V. Chloroform (67-66-3)	X			57	0.0093					1	ug/l	lbs			
12V. Dichloro- bromomethane (75-27-4)	X			<5.0	<0.0008					1	ug/l	lbs			
13V. Dichloro- difluoromethane (75-71-8)	X			<10	<0.0016					1	ug/l	lbs			
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5.0	<0.0008					1	ug/l	lbs			
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5.0	<0.0008					1	ug/l	lbs			
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5.0	<0.0008					1	ug/l	lbs			
17V. 1,2-Dichloro- propane (78-67-5)	X			<5.0	<0.0008					1	ug/l	lbs			
18V. 1,3-Dichloro- propylene (542-75-8)	X			<5.0	<0.0008					1	ug/l	lbs			
19V. Ethylbenzene (100-41-4)	X			<5.0	<0.0008					1	ug/l	lbs			
20V. Methyl Bromide (74-83-9)	X			<10	<0.0016					1	ug/l	lbs			
21V. Methyl Chloride (74-87-3)	X			<10	<0.0016					1	ug/l	lbs			

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X			<5.0	<0.0008					1	ug/l	lbs			
23V. 1,1,2,2-Tetra- chloroethene (79-34-5)	X			<5.0	<0.0008					1	ug/l	lbs			
24V. Tetrachloro- ethylene (127-18-4)	X			<5.0	<0.0008					1	ug/l	lbs			
25V. Toluene (108-88-3)	X			<5.0	<0.0008					1	ug/l	lbs			
26V. 1,2-Trans- Dichloroethylene (156-60-5)	X			<5.0	<0.0008					1	ug/l	lbs			
27V. 1,1,1-Tri- chloroethane (71-55-6)	X			<5.0	<0.0008					1	ug/l	lbs			
28V. 1,1,2-Tri- chloroethane (79-00-5)	X			<5.0	<0.0008					1	ug/l	lbs			
29V. Trichloro- ethylene (79-01-6)	X			<5.0	<0.0008					1	ug/l	lbs			
30V. Trichloro- fluoromethane (75-69-4)	X			<10	<0.0016					1	ug/l	lbs			
31V. Vinyl Chloride (75-01-4)	X			<10	<0.0016					1	ug/l	lbs			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X			<10	<0.0016					1	ug/l	lbs			
2A. 2,4-Dichloro- phenol (120-83-2)	X			<10	<0.0016					1	ug/l	lbs			
3A. 2,4-Dimethyl- phenol (105-67-9)	X			<10	<0.0016					1	ug/l	lbs			
4A. 4,6-Dinitro-O- Cresol (534-52-1)	X			<50	<0.0081					1	ug/l	lbs			
5A. 2,4-Dinitro- phenol (51-28-5)	X			<50	<0.0081					1	ug/l	lbs			
6A. 2-Nitrophenol (88-75-5)	X			<10	<0.0016					1	ug/l	lbs			
7A. 4-Nitrophenol (100-02-7)	X			<50	<0.0081					1	ug/l	lbs			
8A. P-Chloro-M- Cresol (59-60-7)	X			<20	<0.0032					1	ug/l	lbs			
9A. Pentachloro- phenol (87-86-5)	X			<50	<0.0081					1	ug/l	lbs			
10A. Phenol (108-95-2)	X			<10	<0.0016					1	ug/l	lbs			
11A. 2,4,6-Tri- chlorophenol (88-06-2)	X			<10	<0.0016					1	ug/l	lbs			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)	X			<10	<0.0016					1	ug/l	lbs				
2B. Acenaphthylene (208-96-8)	X			<10	<0.0016					1	ug/l	lbs				
3B. Anthracene (120-12-7)	X			<10	<0.0016					1	ug/l	lbs				
4B. Benzidine (92-87-5)	X			<50	<0.0081					1	ug/l	lbs				
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.0016					1	ug/l	lbs				
6B. Benzo (a) Pyrene (50-32-8)	X			<10	<0.0016					1	ug/l	lbs				
7B. 3,4-Benzo- fluoranthene (205-99-2)	X			<10	<0.0016					1	ug/l	lbs				
8B. Benzo (ghi) Perylene (191-24-2)	X			<10	<0.0016					1	ug/l	lbs				
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10	<0.0016					1	ug/l	lbs				
10B. Bis (2-Chloro- ethoxy) Methane (111-81-1)	X			<10	<0.0016					1	ug/l	lbs				
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			<10	<0.0016					1	ug/l	lbs				
12B. Bis (2-Chloro- isopropyl) Ether (102-60-1)	X			<10	<0.0016					1	ug/l	lbs				
13B. Bis (2-Chloro- ethyl) Phthalate (117-81-7)	X			<10	<0.0016					1	ug/l	lbs				
14B. 4-Bromo- phenyl Phenyl Ether (101-56-3)	X			<10	<0.0016					1	ug/l	lbs				
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10	<0.0016					1	ug/l	lbs				
16B. 2-Chloro- naphthalene (91-58-7)	X			<10	<0.0016					1	ug/l	lbs				
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)	X			<10	<0.0016					1	ug/l	lbs				
18B. Chrysene (218- 01-9)	X			<10	<0.0016					1	ug/l	lbs				
19B. Dibenzo (a,h) Anthracene (63-70-3)	X			<10	<0.0016					1	ug/l	lbs				
20B. 1,2-Dichloro- benzene (95-50-1)	X			<10	<0.0016					1	ug/l	lbs				
21B. 1,3-Dichloro- benzene (541-73-1)	X			<10	<0.0016					1	ug/l	lbs				

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<0.0016					1	ug/l	lbs			
23B. 3,5'-Dichloro- benzidine (91-94-1)	X			<20	<0.0032					1	ug/l	lbs			
24B. Diethyl Phthalate (84-66-2)	X			<10	<0.0016					1	ug/l	lbs			
25B. Dimethyl Phthalate (191-11-3)	X			<10	<0.0016					1	ug/l	lbs			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10	<0.0016					1	ug/l	lbs			
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10	<0.0016					1	ug/l	lbs			
28B. 2,6-Dinitro- toluene (606-20-2)	X			<10	<0.0016					1	ug/l	lbs			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10	<0.0016					1	ug/l	lbs			
30B. 1,2-Diphenyl- hydrazine (as Azobenzene) (122-66-7)	X			<10	<0.0016					1	ug/l	lbs			
31B. Fluorathene (206-44-0)	X			<10	<0.0016					1	ug/l	lbs			
32B. Fluorene (86-73-7)	X			<10	<0.0016					1	ug/l	lbs			
33B. Hexachloro- benzene (118-74-1)	X			<10	<0.0016					1	ug/l	lbs			
34B. Hexa- chlorobutadiene (87-68-3)	X			<10	<0.0016					1	ug/l	lbs			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10	<0.0016					1	ug/l	lbs			
36B. Hexachloro- ethane (67-72-1)	X			<10	<0.0016					1	ug/l	lbs			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10	<0.0016					1	ug/l	lbs			
38B. Isophorone (78-59-1)	X			<10	<0.0016					1	ug/l	lbs			
39B. Naphthalene (91-20-3)	X			<10	<0.0016					1	ug/l	lbs			
40B. Nitrobenzene (98-95-3)	X			<10	<0.0016					1	ug/l	lbs			
41B. N-Nitro- sodimethylamine (62- 75-9)	X			<10	<0.0016					1	ug/l	lbs			
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X			<10	<0.0016					1	ug/l	lbs			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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		
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>																
43B. N-Nitro- sodiphenylamine (86-30-6)	X			<10	<0.0016					1	ug/l	lbs				
44B. Phenanthrene (85-01-8)	X			<10	<0.0016					1	ug/l	lbs				
45B. Pyrene (129-00-0)	X			<10	<0.0016					1	ug/l	lbs				
46B. 1,2,4-Tr Chlorobenzene (120-82-1)	X			<10	<0.0016					1	ug/l	lbs				
<b>GC/MS FRACTION - PESTICIDES</b>																
1P. Aldrin (309-00-2)				N/R												
2P. α-BHC (319-85-7)				N/R												
3P. β-BHC (319-85-7)				N/R												
4P. γ-BHC (58- 89-9)				N/R												
5P. δ-BHC (319-86-8)				N/R												
6P. Chlorodane (57-74-9)				N/R												
7P. 4,4'-DDT (50- 29-3)				N/R												
8P. 4,4'-DDE (72-55-9)				N/R												
9P. 4,4'-DDD (72-54-8)				N/R												
10P. Dieldrin (60-57-1)				N/R												
11P. α-Endosulfan (115-29-7)				N/R												
12P. β-Endosulfan (115-29-7)				N/R												
13P. Endosulfan Sulfate (1031-07-8)				N/R												
14P. Endrin (72-20-8)				N/R												
15P. Endrin Aldehyde (7421-93-4)				N/R												
16P. Heptachlor (75-44-8)				N/R												

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST ING REQUIR 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 AVRG. 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		
<b>GC/MS FRACTION - PESTICIDES (continued)</b>																
17P. Heptachlor Epoxide (1024-67-3)				N/R												
18P. PCB-1242 (53469-21-9)				N/R												
19P. PCB-1254 (11097-69-1)				N/R												
20P. PCB-1221 (11104-28-2)				N/R												
21P. PCB-1232 (11141-16-5)				N/R												
22P. PCB-1246 (12672-29-6)				N/R												
23P. PCB-1260 (11096-82-5)				N/R												
24P. PCB-1016 (12674-11-2)				N/R												
26P. Toxaphene (8001-35-2)				N/R												

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You 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)

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OUTFALL NO.  
104

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 AVRG. VALUE (if available)		d. NO. OF ANALYSES		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)	<2.0	<0.6					1	mg/l	lbs		
b. Chemical Oxygen Demand (COD)	30	9.6					1	mg/l	lbs		
c. Total Organic Carbon (TOC)	4.1	1.3					1	mg/l	lbs		
d. Total Suspended Solids (TSS)					5.7	1.8	12	mg/l	lbs		
e. Ammonia (as N)	<1.0	<0.3					1	mg/l	lbs		
f. Flow	VALUE		VALUE		VALUE		120	mgd		VALUE	
g. Temperature (winter)	VALUE		VALUE		VALUE				°C	VALUE	
h. Temperature (summer)	VALUE		VALUE		VALUE				°C	VALUE	
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			120	STANDARD UNITS			
			6.1	9.0							

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 (specify if blank)		5. INTAKE (optional)		
	a. BE- LIEVED PRE- SENT	b. BE- LIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES		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 (15984-48-8)		X											
f. Nitrate- Nitrite (as N)		X											

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS		
g. Nitrogen, Total Organic (as N)		X													
h. Oil and Grease	X						3.6	1.1	12	mg/l	lbs				
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													
s. Iron, Total (7439-89-6)		X													
t. Magnesium, Total (7439-95-4)		X													
u. Molybdenum, Total (7439-98-7)		X													
v. Manganese, Total (7439-98-5)		X													
w. Tin, Total (7440-31-5)		X													
x. Titanium, Total (7440-32-6)		X													



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**PART C-**

If you are a primary industry and this outfall contains process wastewater, refer to Table 2a-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 of 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 REQUIR- 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 AVRG. 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		
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>																
1M. Antimony, Total (7440-36-0)	X			<0.50	<0.2					1	mg/l	lbs				
2M. Arsenic, Total (7440-38-2)	X			<0.50	<0.2					1	mg/l	lbs				
3M. Beryllium, Total (7440-41-7)	X			<0.0050	<0.002					1	mg/l	lbs				
4M. Cadmium, Total (7440-43-9)	X			<0.010	<0.003					1	mg/l	lbs				
5M. Chromium, Total (7440-47-3)	X			<0.020	<0.006					1	mg/l	lbs				
6M. Copper, Total (7440-50-8)	X			0.0026	0.00083					1	mg/l	lbs				
7M. Lead, Total (7439-92-1)	X			<0.10	<0.03					1	mg/l	lbs				
8M. Mercury, total (7439-97-6)	X			<0.00020	<0.00006					1	mg/l	lbs				
9M. Nickel, Total (7440-02-0)	X			<0.020	<0.006					1	mg/l	lbs				
10M. Selenium, Total (7782-49-2)	X			<0.50	<0.2					1	mg/l	lbs				
11M. Silver, Total (7440-22-4)	X			<0.020	<0.006					1	mg/l	lbs				
12M. Thallium, Total (7440-28-0)	X			<0.50	<0.2					1	mg/l	lbs				
13M. Zinc, Total (7440-65-6)	X			0.028	0.0089					1	mg/l	lbs				
14M. Cyanide, Total (57-12-5)	X			0.0057	0.0018					1	mg/l	lbs				
15M. Phenols, Total	X			0.063	0.02					1	mg/l	lbs				
<b>DIOXIN</b>																
2,3,7,8 Tetra- chlorodibenzo-P Dioxin (1784-01-8)				DESCRIBE RESULTS												
Not Required.																

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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>GC/MS FRACTION - VOLATILE COMPOUNDS</b>																
1V. Acrolein (107-02-8)	X			<100	<0.0319					1	ug/l	lbs				
2V. Acrylonitrile (107-13-1)	X			<100	<0.0319					1	ug/l	lbs				
3V. Benzene (71-43-2)	X			<5.0	<0.002					1	ug/l	lbs				
4V. Bis (Chloro- methyl) Ether (542-88-1)	N/R			N/R												
5V. Bromoform (75-25-2)	X			<5.0	<0.002					1	ug/l	lbs				
6V. Carbon Tetrachloride (56-23-5)	X			<5.0	<0.002					1	ug/l	lbs				
7V. Chlorobenzene (108-90-7)	X			<5.0	<0.002					1	ug/l	lbs				
8V. Chlorodi- bromomethane (124-46-1)	X			<5.0	<0.002					1	ug/l	lbs				
9V. Chloroethane (75-00-3)	X			<10	<0.0032					1	ug/l	lbs				
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<10	<0.0032					1	ug/l	lbs				
11V. Chloroform (67-66-3)	X			<5.0	<0.002					1	ug/l	lbs				
12V. Dichloro- bromomethane (75-27-4)	X			<5.0	<0.002					1	ug/l	lbs				
13V. Dichloro- difluoromethane (75-71-8)	X			<10	<0.0032					1	ug/l	lbs				
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5.0	<0.002					1	ug/l	lbs				
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5.0	<0.002					1	ug/l	lbs				
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5.0	<0.002					1	ug/l	lbs				
17V. 1,2-Dichloro- propane (78-87-5)	X			<5.0	<0.002					1	ug/l	lbs				
18V. 1,3-Dichloro- propylene (542-75-6)	X			<5.0	<0.002					1	ug/l	lbs				
19V. Ethylbenzene (100-41-4)	X			<5.0	<0.002					1	ug/l	lbs				
20V. Methyl Bromide (74-83-9)	X			<10	<0.0032					1	ug/l	lbs				
21V. Methyl Chloride (74-87-3)	X			<10	<0.0032					1	ug/l	lbs				

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CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)	X			<5.0	<0.002					1	ug/l	lbs			
23V. 1,1,2,2-Tetra- chloroethane (79-34-6)	X			<5.0	<0.002					1	ug/l	lbs			
24V. Tetrachloro- ethylene (127-18-4)	X			<5.0	<0.002					1	ug/l	lbs			
25V. Toluene (108-88-3)	X			<5.0	<0.002					1	ug/l	lbs			
26V. 1,2-Trans- Dichloroethylene (156-60-5)	X			<5.0	<0.002					1	ug/l	lbs			
27V. 1,1,1-Tri- chloroethane (71-55-6)	X			<5.0	<0.002					1	ug/l	lbs			
28V. 1,1,2-Tri- chloroethane (79-00-5)	X			<5.0	<0.002					1	ug/l	lbs			
29V. Trichloro- ethylene (79-01-6)	X			<5.0	<0.002					1	ug/l	lbs			
30V. Trichloro- fluoromethane (75-89-4)	X			<10	<0.0032					1	ug/l	lbs			
31V. Vinyl Chloride (75-01-4)	X			<10	<0.0032					1	ug/l	lbs			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)	X			<10	<0.0032					1	ug/l	lbs			
2A. 2,4-Dichloro- phenol (120-83-2)	X			<10	<0.0032					1	ug/l	lbs			
3A. 2,4-Dimethyl- phenol (105-67-9)	X			<10	<0.0032					1	ug/l	lbs			
4A. 4,6-Dinitro-O- Cresol (534-52-1)	X			<50	<0.016					1	ug/l	lbs			
5A. 2,4-Dinitro- phenol (51-28-5)	X			<50	<0.016					1	ug/l	lbs			
6A. 2-Nitrophenol (88-75-5)	X			<10	<0.0032					1	ug/l	lbs			
7A. 4-Nitrophenol (100-02-7)	X			<50	<0.016					1	ug/l	lbs			
8A. P-Chloro-M- Cresol (59-50-7)	X			<20	<0.0064					1	ug/l	lbs			
9A. Pentachloro- phenol (87-86-5)	X			<50	<0.016					1	ug/l	lbs			
10A. Phenol (108-95-2)	X			<10	<0.0032					1	ug/l	lbs			
11A. 2,4,6-Tri- chlorophenol (88-06-2)	X			<10	<0.0032					1	ug/l	lbs			

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS			5. INTAKE <i>(optional)</i>		
	a. TEST- ING REQUIR- ED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF 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	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			<10	<0.0032					1	ug/l	lbs			
2B. Acenaphylene (208-96-8)	X			<10	<0.0032					1	ug/l	lbs			
3B. Anthracene (120-12-7)	X			<10	<0.0032					1	ug/l	lbs			
4B. Benzidine (92-87-5)	X			<50	<0.016					1	ug/l	lbs			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.0032					1	ug/l	lbs			
6B. Benzo (a) Pyrene (50-32-8)	X			<10	<0.0032					1	ug/l	lbs			
7B. 3,4-Benzo- fluoranthene (205-99-2)	X			<10	<0.0032					1	ug/l	lbs			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10	<0.0032					1	ug/l	lbs			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10	<0.0032					1	ug/l	lbs			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	X			<10	<0.0032					1	ug/l	lbs			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			<10	<0.0032					1	ug/l	lbs			
12B. Bis (2-Chloro- isopropyl) Ether (102-60-1)	X			<10	<0.0032					1	ug/l	lbs			
13B. Bis (2-Chloro- ethyl) Phthalate (117-81-7)	X			<10	<0.0032					1	ug/l	lbs			
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)	X			<10	<0.0032					1	ug/l	lbs			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10	<0.0032					1	ug/l	lbs			
16B. 2-Chloro- naphthalene (91-58-7)	X			<10	<0.0032					1	ug/l	lbs			
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)	X			<10	<0.0032					1	ug/l	lbs			
18B. Chrysene (218- 01-9)	X			<10	<0.0032					1	ug/l	lbs			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10	<0.0032					1	ug/l	lbs			
20B. 1,2-Dichloro- benzene (95-50-1)	X			<10	<0.0032					1	ug/l	lbs			
21B. 1,3-Dichloro- benzene (541-73-1)	X			<10	<0.0032					1	ug/l	lbs			

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUI- RED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. 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>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<0.0032					1	ug/l	lbs			
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			<20	<0.0064					1	ug/l	lbs			
24B. Diethyl Phthalate (84-66-2)	X			<10	<0.0032					1	ug/l	lbs			
25B. Dimethyl Phthalate (131-11-3)	X			<10	<0.0032					1	ug/l	lbs			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10	<0.0032					1	ug/l	lbs			
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10	<0.0032					1	ug/l	lbs			
28B. 2,6-Dinitro- toluene (806-20-2)	X			<10	<0.0032					1	ug/l	lbs			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10	<0.0032					1	ug/l	lbs			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			<10	<0.0032					1	ug/l	lbs			
31B. Fluorathene (208-44-0)	X			<10	<0.0032					1	ug/l	lbs			
32B. Fluorene (86-73-7)	X			<10	<0.0032					1	ug/l	lbs			
33B. Hexachloro- benzene (118-74-1)	X			<10	<0.0032					1	ug/l	lbs			
34B. Hexa- chlorobutadiene (87-68-3)	X			<10	<0.0032					1	ug/l	lbs			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10	<0.0032					1	ug/l	lbs			
36B. Hexachloro- ethane (67-72-1)	X			<10	<0.0032					1	ug/l	lbs			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10	<0.0032					1	ug/l	lbs			
38B. Isophorone (78-59-1)	X			<10	<0.0032					1	ug/l	lbs			
39B. Naphthalene (91-20-3)	X			<10	<0.0032					1	ug/l	lbs			
40B. Nitrobenzene (98-95-3)	X			<10	<0.0032					1	ug/l	lbs			
41B. N-Nitro- sodamethylamine (62- 75-9)	X			<10	<0.0032					1	ug/l	lbs			
42B. N-Nitrosodi-N- Propylamine (621-64-7)	X			<10	<0.0032					1	ug/l	lbs			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitro- iodiphenylamine (86-30-6)	X			<10	<0.0032					1	ug/l	lbs			
44B. Phenanthrene (85-01-8)	X			<10	<0.0032					1	ug/l	lbs			
45B. Pyrene (129-00-0)	X			<10	<0.0032					1	ug/l	lbs			
46B. 1,2,4-Tri- Chlorobenzene (120-82-1)	X			<10	<0.0032					1	ug/l	lbs			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)				N/R											
2P. α-BHC (319-85-7)				N/R											
3P. β-BHC (319-85-7)				N/R											
4P. γ-BHC (58- 89-9)				N/R											
5P. δ-BHC (319-86-8)				N/R											
6P. Chlorodane (57-74-9)				N/R											
7P. 4,4'-DDT (50- 29-3)				N/R											
8P. 4,4'-DDE (72-55-9)				N/R											
9P. 4,4'-DDD (72-54-8)				N/R											
10P. Dieldrin (60-57-1)				N/R											
11P. α-Endosulfan (115-29-7)				N/R											
12P. β-Endosulfan (115-29-7)				N/R											
13P. Endosulfan Sulfate (1031-07-8)				N/R											
14P. Endrin (72-20-8)				N/R											
15P. Endrin Aldehyde (7421-93-4)				N/R											
16P. Heptachlor (76-44-8)				N/R											

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST- ING REQUIR- 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 AVRG. 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	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)				N/R											
18P. PCB-1242 (63469-21-9)				N/R											
19P. PCB-1254 (11097-69-1)				N/R											
20P. PCB-1221 (11104-28-2)				N/R											
21P. PCB-1232 (11141-16-6)				N/R											
22P. PCB-1248 (12672-29-8)				N/R											
23P. PCB-1260 (11096-82-5)				N/R											
24P. PCB-1016 (12674-11-2)				N/R											
25P. Toxaphene (8001-35-2)				N/R											



# MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore Maryland 21224  
(410) 631-3323 • 1-800-633-6101 • <http://www.mde.state.md.us>

Parris N. Glendening  
Governor

Jane T. Nishida  
Secretary

## WATER/WASTEWATER PERMITS PROGRAM GENERAL PERMIT FOR STORM WATER DISCHARGES

### GENERAL PERMIT NO. 97-SW

Submission of this Notice of Intent (NOI) constitutes notice that the party identified in Section I of this form intends to be authorized by a State/NPDES permit issued for storm water discharges from the facility identified in Section II of this form. Authorization to discharge begins upon notification of acceptance of this NOI by Maryland Department of the Environment (MDE). Complete all sections of this form and mail to MDE, P.O. Box 2057, Baltimore, MD 21203. Phone (410) 631-3323. The NOI is not complete without fee payment (State and local government exempt) and this form. An original signature is required on reverse.

#### Section I. Facility Operator

Name (Legal name of entity): Calvert Cliffs Nuclear Power Plant, Inc.

Mailing Address: 1650 Calvert Cliffs Parkway

City: Lusby State: MD ZIP: 20657

Status of Operator: Private ☒ Federal ☐ State/local ☐

Federal Tax ID Number: 52-2217-429

Contact Person: Brenda Nuse Telephone (410) 495-4913

Current registration number under 92-GP-0001 (if registered): \_\_\_\_\_

Is this facility currently covered under other NPDES permits? ☒ Yes ☐ No

If yes, provide the permit number, and registration number for other permits.  
99-DP-0187 (MD0002399)

#### Section II. Facility Location Information

Facility Name: Calvert Cliffs Nuclear Power Plant

Facility Address: 1650 Calvert Cliffs Parkway

City: Lusby County: Calvert State: MD ZIP: 20657

Form MDE/WMA.0001



The approximate center of the facility to the nearest 15 seconds:

Latitude: 38 25 50 Longitude: 76 26 40

Watershed Basin Code (if known): \_\_\_\_\_

Name of Receiving Water(s): Chesapeake Bay

If the discharge is to a municipal separate storm sewer, give the name of the municipal operator of the storm sewer and the ultimate receiving water(s):  
\_\_\_\_\_

Concurrent submission of a signed copy of the NOI to the above entity is required. Please see the end of this form for mailing addresses.

Estimated area of industrial activity at facility in acres: 300

Give one four-digit SIC code that best represents the principal products or activities provided by the facility: 4911

Written description of industrial activity taking place: Nuclear powered steam-electric power plant

Is storm water quality data available? ☒ Yes ☐ No If so, attach a summary of data.

Is construction that disturbs over five acres involved? ☐ Yes ☒ No

If yes, attach a brief project description, including existing and proposed land uses; total site area, the total proposed disturbed area, the type(s) of storm water management best management practice(s) (BMPs) proposed, and the total drainage area to be controlled by each type of BMP.

### Section III. Required NOI Fee

Required NOI fee - Check A, B, C, OR D below

A. Prorated renewal fees for applicants who commenced operations and registered under 92-GP-0001 after 9-29-95:

1. Date facility began operation, if after 9-29-95: \_\_\_\_\_

2. Check fee based upon above date, and enclose with NOI:

1995 ☐ \$350      1996 ☐ \$250      1997 ☐ \$150

- B. Standard Fee: \$550 single fee payable in advance or five annual \$120 payments beginning with the submission of the NOI application and every July 1 thereafter (total fee of \$600). Check option:

       Enclosed is the first payment of \$120.

       Enclosed is the full payment of \$550.

- C. Check if State or local government**        (no fee).

- D. Prorated fees for new facilities beginning operation on line after 11-1-97**

1. Month and year facility began operating: \_\_\_\_\_

2. Number of months between 11-1-97 and above date: \_\_\_\_\_

- 3. Check option:**

Enclosed is a full payment of the prorated fee of \$ \_\_\_\_\_, calculated as follows (to the nearest dollar):

**\$550 - [(\$9) x (no. of months listed above)] = fee.**

       Enclosed is the first payment of \$120 (next annual payment will be prorated by MDE).

\*Fee not required per letter dated 7/19/2001

#### Section IV. 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.

Print Name and Title: Peter E. Katz - Plant General Manager

Signature: Peter E. Katz Date: 11/21/01

**SIGNATURE AND FEE REQUIRED**

**For proper credit, do not return application fee without this form completed.**

Mail to Maryland Department of the Environment, P.O.  
Box 2057, Baltimore, MD 21203-2057

**For MDE use:**

PCA 13710 Object 5707 Suffix 406 Receipt # \_\_\_\_\_ Date 10/97  
Form MDE/WMA .0001

10/97

Facilities which discharge storm water associated with industrial activity to the municipal separate storm sewer system of the Anne Arundel County, Baltimore (City), Baltimore County, Carroll County, Charles County, Frederick County, Harford County, Howard County, Montgomery County, Prince George's County, or the State Highways Administration shall, in addition to filing copies of this NOI, submit, concurrently, signed copies of the NOI to the operator of the municipal separate storm sewer to which they discharge. NOIs shall be submitted to the attention of the "storm water coordinator" at the following addresses:

Anne Arundel County - Environmental Programs, Department of Planning and Code Enforcement, Heritage Office Complex, 2664 Riva Road, MS6201, Annapolis, MD 21401;

Baltimore (City) - Water Quality Management Office, Department of Public Works, 3001 Druid Park Drive, Baltimore, MD 21212;

Baltimore County - NPDES Storm Water Program, Department of Environmental Protection and Resource Management, 401 Bosley Avenue, Towson, MD 21204;

Carroll County - Department of Planning and Development, Bureau of Environmental Services, 225 North Center Street, Westminster, MD 21157;

Charles County - Department of Planning & Growth, Development Services, Post Office Box B, La Plata, MD 20646;

Frederick County - Division of Technical Support, Department of Public Works, 118 N. Market Street, Frederick, MD 21701;

Harford County - Bureau of Water Resources Engineering, Department of Public Works, 220 South Main Street, Bel Air, MD 21014;

Howard County - Department of Public Works, Bureau of Engineering, Division of Transportation Projects and Watershed Management, 3450 Court House Drive, Ellicott City, MD 21043;

Montgomery County - Department of Environmental Protection, Watershed Management Division, 250 Hungerford Drive, Suite 175, Rockville, MD 20850-4159;

Prince George's County - Department of Environmental Resources, Programs and Planning Division, Inglewood Center, 9400 Peppercorn Place, Landover, MD 20785; and

State Highway Administration, Highway Hydraulics Division, 707 North Calvert Street, Baltimore, MD 21202.

### Sampling Data:

The samples for Outfall 002 were taken 3-21-95 (0500) during a 0.37 inch rainfall event. The results are listed below:

### **Outfall 002 Stormwater Analyses**

	Grab Wastewater sample	Composite Wastewater sample
Oil & Grease	<5 mg/l	<5 mg/l
BOD <sub>5</sub>	<2 mg/l	4 mg/l
COD	22 mg/l	40 mg/l
Nitrate (N)	1.1 mg/l	1.5 mg/l
Total Kjeldahl Nitrogen	1 mg/l	1 mg/l
Total Phosphorus	0.03 mg/l	0.36 mg/l
Total Suspended Solids	5 mg/l	22 mg/l
pH	7.0 pH Units	7.1 pH Units
Temperature	13.5 °C	

### Storm Water Sampling Flow Measurements:

Rain Started: 0325 Hrs  
First Flow: 0400 Hrs  
Grab Sample: 0500 Hrs  
Total Rainfall: 0.37 inches  
Flow Measurement: Calibrated Weir  
Previous Measurable Rainfall event (>0.1 inch): The date of the previous measurable rainwater event (>0.1 inch) was greater than 72 hours before this sampled rainwater event.

Comp. #	Time	pH	Temp (°C)	Flow (gpm)
1	0500	7.0	13.5	356
2	0520	7.6	13.1	1506
3	0540	7.6	12.5	4460
4	0600	7.6	13.3	3834
5	0620	7.7	13.7	3552
6	0640	7.8	14.2	3252
7	0700	7.7	15.0	1853
8	0720	7.8	15.9	1764
9	0740	7.7	13.9	1594
10	0800	7.5	13.3	1853

# MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore Maryland 21224  
(410) 631-3000 • 1-800-633-6101 • <http://www.mde.state.md.us>

## WASTEWATER DISCHARGE PERMIT APPLICATION SUPPLEMENT: INDUSTRIAL WASTEWATER TREATMENT PLANT CLASSIFICATION

[1] Name of facility: Calvert Cliffs Nuclear Power Plant, Inc.;

[2] Current State Discharge Permit Number (for renewals only): 99 -DP- 0187;

[3] What is the current classification of your industrial wastewater treatment system? *Please refer to the attached table (Table 1, Classification Of Industrial Wastewater Treatment Plants) and indicate the numeric classification as described in the table:*

CLASSIFICATION: 1;

[4] What type of treatment system, as referenced in *Table 1*, best describes your wastewater treatment system?

TYPE OF TREATMENT SYSTEM: pH Control;

[5] If your industrial wastewater operator or superintendent is certified, what is the classification? (See the certified operator's certificate).

OPERATOR CERTIFICATION: Industrial Wastewater - Class 1;

OR, If you believe that your process is one of the exempted facilities, see the attached table (Table 2, Facilities Not Required To Have Certified Operators), please check the following box:

[ ] *Certified Operator Not Needed*

## INDUSTRIAL WASTEWATER TREATMENT PLANT CLASSIFICATION

Table 1

### CLASSIFICATION OF INDUSTRIAL WASTEWATER TREATMENT PLANTS

Class of Plants	Type of Treatment Systems	Typical Processes Included in the System
1	Basic Treatment	Petroleum base oil separators, liquid cooling and pH control.
2	Physical Treatment	Sedimentation, screening, pH control and solids removal.
3	Land Treatment	Primary treatment, sedimentation, solids removal, pumping and land treatment.
4	Biological Lagoons	Aerobic or anaerobic waste stabilization lagoons, disinfection and chemical addition.
5	Activated Sludge	Primary treatment, sedimentation, activated sludge and sludge handling.
6	Physical Chemical Treatment	Reduction of chemical and toxic substances including but not limited to cyanide and chromium, acid-alkali neutralization, coagulation and flocculation.
7	Site Specific	Plants not covered under the first six types of treatment yet covered under these regulations.

Table 2

### FACILITIES NOT REQUIRED TO HAVE CERTIFIED OPERATORS

Note: Generally speaking, the following categories of facilities are not required by the Code of Maryland Regulations (COMAR) to have certified operators:

- Petroleum storage and distribution facilities
- Seafood processors
- Vehicle washing facilities
- Vehicle maintenance facilities
- Sand and gravel facilities
- Stone quarries
- Industries de-chlorinating supply water as their only treatment
- Industries discharging only storm water runoff
- Industries performing tank or pipe hydrostatic testing

## MARYLAND DEPARTMENT OF THE ENVIRONMENT

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### **CERTIFICATION OF WORKERS' COMPENSATION INSURANCE COVERAGE**

#### **INTRODUCTION**

Section 1-202 of the Environment Article provides that the applicant for a permit or license to engage in any activity in which the applicant may employ a "covered employee", as defined in §9-101 of the Labor and Employment Article of the Annotated Code of Maryland ("LE"), shall provide to the Maryland Department of the Environment (the "Department") the policy or binder number of a valid workers' compensation insurance policy that has been issued to the applicant. Such a filing is required before the Department may issue any such license or permit.

Alternatively, the applicant shall file a Certificate of Compliance issued by the Maryland Workers' Compensation Commission only in cases where the applicant is either:

- (a) A sole proprietorship with no employees;
- (b) A partnership with no employees other than individual partners;
- (c) A Farm Corporation, a Maryland Close Corporation, a Professional Corporation or a Limited Liability Company with no employees other than corporate officers or limited liability company members who have elected, under LE §9-206, to be excluded from workers' compensation coverage;
- (d) A business that is an employer on only "casual employees" as provided under LE §9-205 and defined in Maryland Law; or
- (e) A business that is the owner of a Class F (Tractor) vehicle who meets the requirements of exclusion as defined under LE §9-218.

Accordingly, as an applicant for a license or permit before the Department, the undersigned hereby certifies that the following is true and accurate to the best of his knowledge. This document will be incorporated by reference into the application that it supports. Check one of the appropriate lines below, entering the name and address of your insurance provider, and your insurance policy or binder number, if applicable. If certification is made that the applicant is eligible for a Certificate of Compliance, the reason or reasons listed above must be specified.



# MARYLAND DEPARTMENT OF THE ENVIRONMENT

## CERTIFICATION

  X   I certify that the applicant is covered by workers' compensation insurance as required by Title 9 of the Labor and Employment Article.

Name of Insurance Provider:

**Associated Electric And Gas Insurance Services Limited**

Address of Insurance Provider:

**Hamilton, Bermuda**

Insurance Policy or Binder Number:

**C0208A1A01**

\_\_\_\_\_ I certify that the applicant is eligible to apply for a Certificate of Compliance from the Maryland Workers' Compensation Commission for the reason or reasons listed on the line below. I hereby request that the Maryland Department of the Environment provide to me an application form for said certificate.

Reason(s) for eligibility to receive Certificate of Compliance:

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and with all attachments hereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, 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. (Ref. 40 CFR 144.32)

Name & Title (Please Print)	Phone Number
<b>Peter E. Katz, Plant General Manager</b>	<b>410-495-4101</b>
Signature <i>Peter E. Katz</i>	Date Signed <i>11/27/01</i>



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## WATER MANAGEMENT ADMINISTRATION REMOVED SUBSTANCES REPORTING FORM

**INSTRUCTIONS:** Use this form to report the disposal of substances resulting from (1) treatment of wastewater and (2) related manufacturing processes as required by the State of Maryland "Water Quality and Water Pollution Control Regulations", COMAR 26.08.01. Use a separate form for each waste that is disposed of in a different manner. If several wastes are mixed before disposal, each waste must be separately described regardless of the quantity. **NOTE:** Submission of this form in no way relieves the sender of any requirement to file periodic reports regarding the disposition of Controlled Hazardous Substances as required State of Maryland Regulation "Disposal of Controlled Hazardous Substances". COMAR 26.13.01.

1. Discharge Permit Number: 99-DP-0187 (MD0002399)
2. Name of Facility: Calvert Cliffs Nuclear Power Plant, Inc.
3. Facility Mailing Address: 1650 Calvert Cliffs Parkway  
Lusby, MD (Zip) 20657
4. Facility Location (if different from Item 3) (Same)  
(Zip) \_\_\_\_\_
5. Facility Contact (Name and Phone Number) Brenda Nuse 410-495-4913
6. DESCRIBE the nature of the removed substance.  
Treated Sanitary Waste Sludge
7. DESCRIBE the treatment process or the manufacturing process that generates the removed substance (precipitation, settling, etc.)  
Activated Sludge, Phosphate removal
8. DESCRIBE the physical character of the removed substance (liquid, solid, sludge, etc.).  
Sludge  
If sludge, what percent solids? 0.47%

Is a chemical analysis attached? \_\_\_\_\_ Yes \_\_\_\_\_ ☒ No

# MARYLAND DEPARTMENT OF THE ENVIRONMENT

9. QUANTITY of removed substance \_\_\_\_\_ Measured ☒ Estimated

Liquids: Average gallons/week \_\_\_\_\_ Maximum gallons/week \_\_\_\_\_

Solids or Sludges: Average tons/week <sup>Year</sup> 6.3 \_\_\_\_\_ Maximum tons/week \_\_\_\_\_

10. MEANS OF DISPOSAL: \_\_\_\_\_ On-Site (at facility location) ☒ Off-site

11. WASTE HAULER (Name): Brothers Johnson Septic Service

(Address) 1925 Laveille Road, Port Republic, MD 20676

(410-586-2800)

12. DISPOSAL SITE (If not On-Site) Solomons Waste Water Treatment Plant (1)

13. OTHER (If wastes are stored on-site, describe method of storage, type of container, storage area, pretreatment, etc.).  
\_\_\_\_\_  
\_\_\_\_\_

14. MAP - Attach a copy of a suitable map showing the location of the disposal or storage site. The map must show all waterways within 1/2 mile of the disposal site.

15. CERTIFICATION - I hereby certify that the information on this form and the attachments hereto are true and accurate to the best of my knowledge and belief.

Brenda D. Nuse

(Brenda D. Nuse)

Signature of Permittee or Agent

11/19/2001

Date

- (1) Occasionally sewage sludge contains low-level radioactive contamination. This sludge is removed by Scientific Ecology Group, Inc. (109 Flint Road, Oak Ridge TN 37830) to Oak Ridge, TN.

SEND TO: Maryland Department of the Environment, Water Management Administration,  
Wastewater Permits Program, 2500 Broening Highway, Baltimore, MD 21224.



