Calvert Cliffs Nuclear Power Plant

NRR



May 29, 2008

Maryland Department of the Environment Water Management Administration 1800 Washington Boulevard Baltimore, MD 21230

ATTENTION: Mr. E. Gertler, Industrial Discharge Permits Division

 SUBJECT:
 Calvert Cliffs Nuclear Power Plant

 State Discharge Permit No. 02-DP-0187, NPDES MD0002399

REFERENCES:

- (a) State Discharge Permit No. 02-DP-0187, NPDES MD0002399
 - (b) Section 1-202 of the Environment Article, Annotated Code of Maryland
 - (c) Electronic Mail from Mr. J. McGillen (MDE) to Ms. Brenda Nuse (CPG), Calvert Cliffs Reapplication, dated May 8, 2008

The National Pollutant Discharge Elimination System Permit renewal application for Calvert Cliffs Nuclear Power Plant (Enclosures 1 and 2), is provided in accordance with Reference (a).

A copy of the Certificate of Worker's Compensation Insurance Coverage (Enclosure 3), is provided in accordance with Reference (b).

General Permit for Storm Water Discharges and Wastewater Discharge Permit Application Supplement: Industrial Wastewater Treatment Plant Classification forms (Enclosures 4 and 5) are provided in accordance with Reference (c).

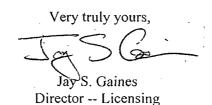
Maps submitted with Environmental Protection Agency Form 1 are current as of May 30, 2008. Note that these site property maps are subject to change based on future improvements.

We anticipate transfer of ownership for Discharge Monitoring Point 005A (Filter Backwash from Swimming Pool) to another owner. Therefore, no analysis is included in this renewal application.

Salinity of the cooling water was 9.1 parts per thousand when the samples were taken. 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.

Mr. E. Gertler May 29, 2008 Page 2

Should you have questions regarding this matter, please contact Mr. Jay S. Gaines at (410) 495-5219 or Ms. Brenda D. Nuse at (410) 495-4913.



JSG/CAN/bjd

Enclosures: (

- (1) EPA Form 1, General Information, and supporting documents (6 pages)
- (2) EPA Form 2C, Application for Permit to Discharge Wastewater, and supporting documents (26 pages)
- (3) Certificate of Worker's Compensation Insurance Coverage (1 page)
- (4) General Permit for Storm Water Discharges (4 pages)
- (5) Wastewater Discharge Permit Application Supplement: Industrial Wastewater Treatment Plant Classification (2 pages)

cc: Document Control Desk, NRC

ENCLOSURE (1)

EPA FORM 1, GENERAL INFORMATION, AND SUPPORTING

DOCUMENTS (6 PAGES)

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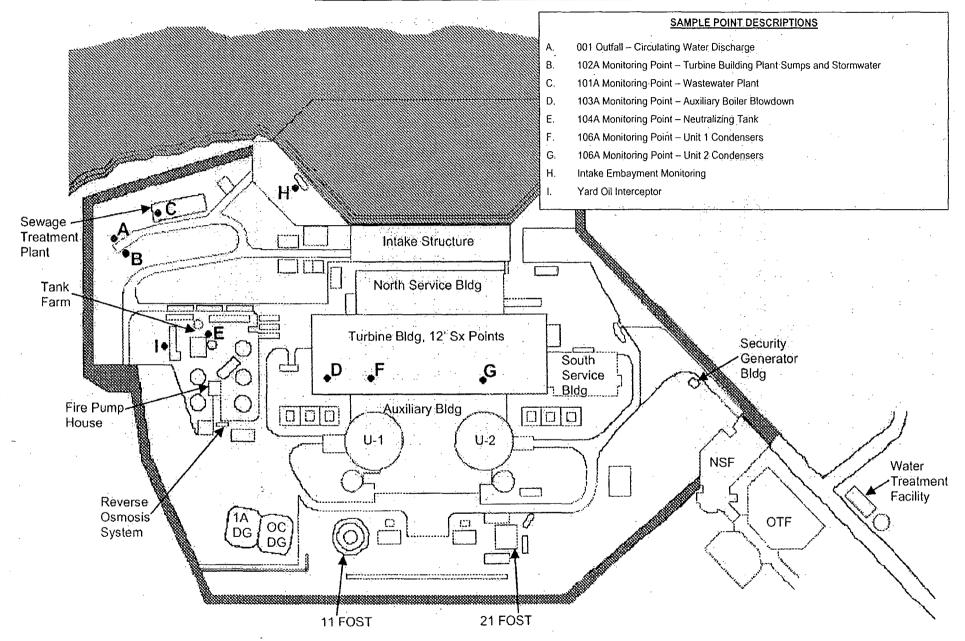
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Calvert Cliffs Nuclear Power Plant, Inc. May 29, 2008

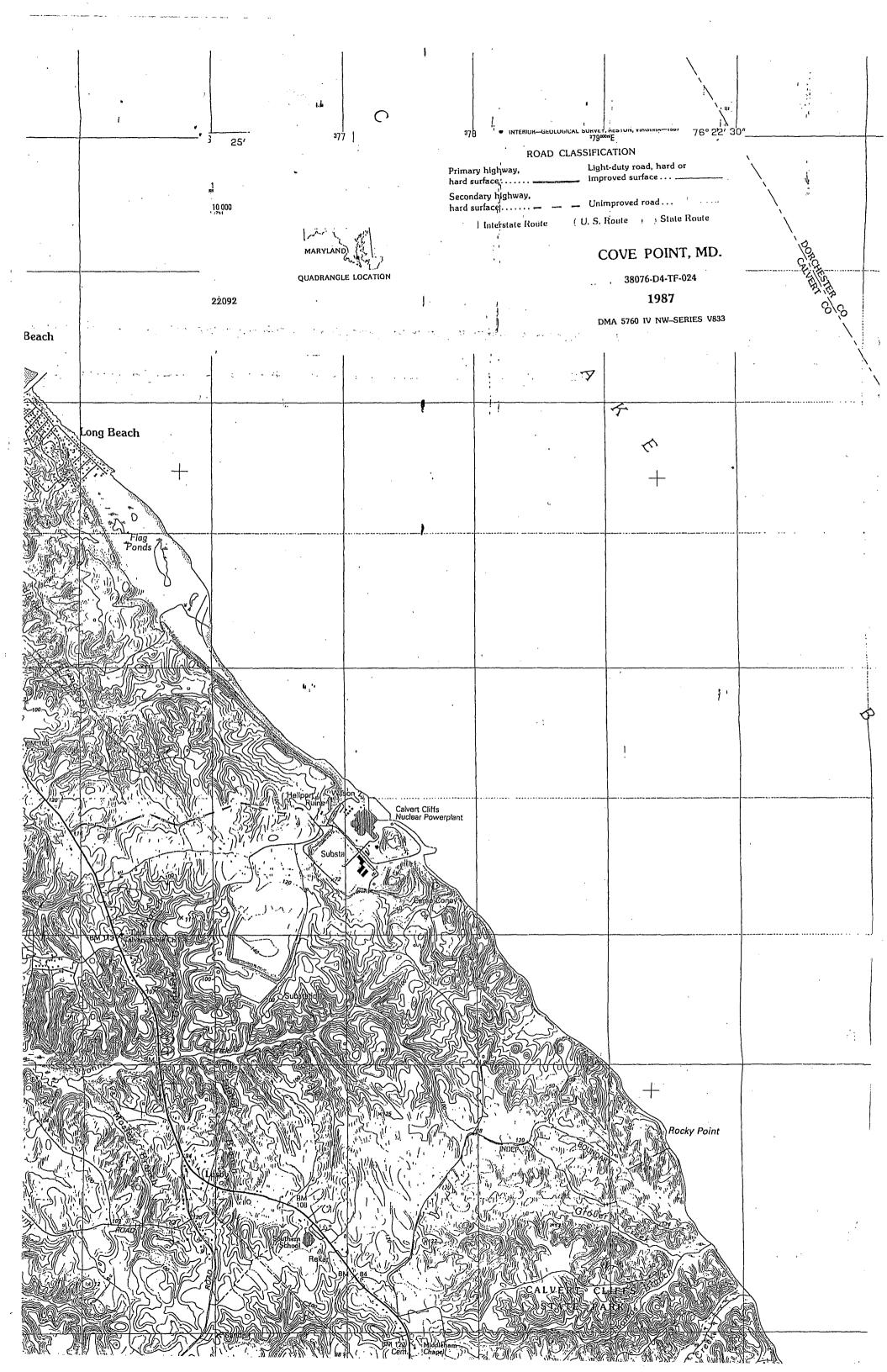
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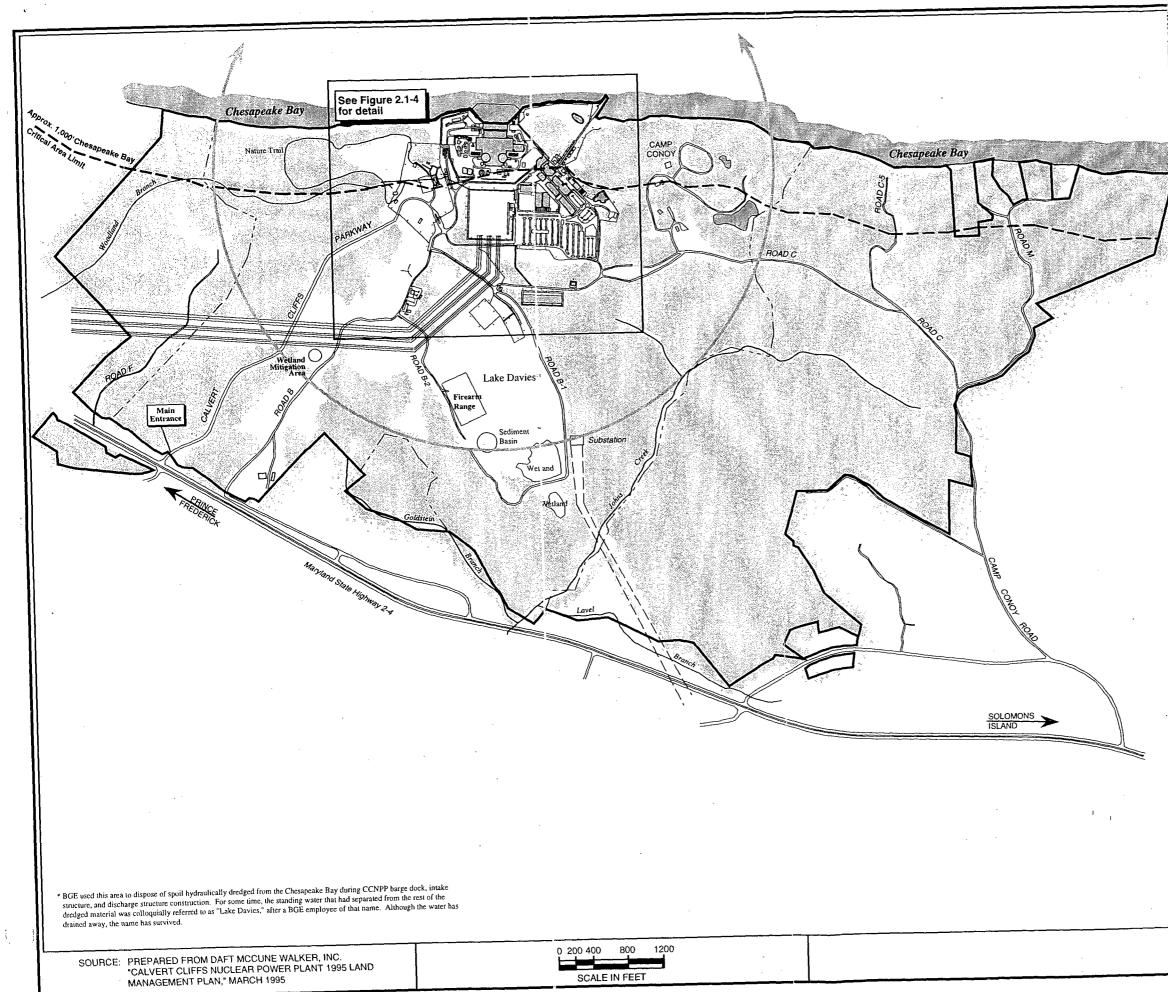
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ENVIRONMENTAL SAMPLE SITES



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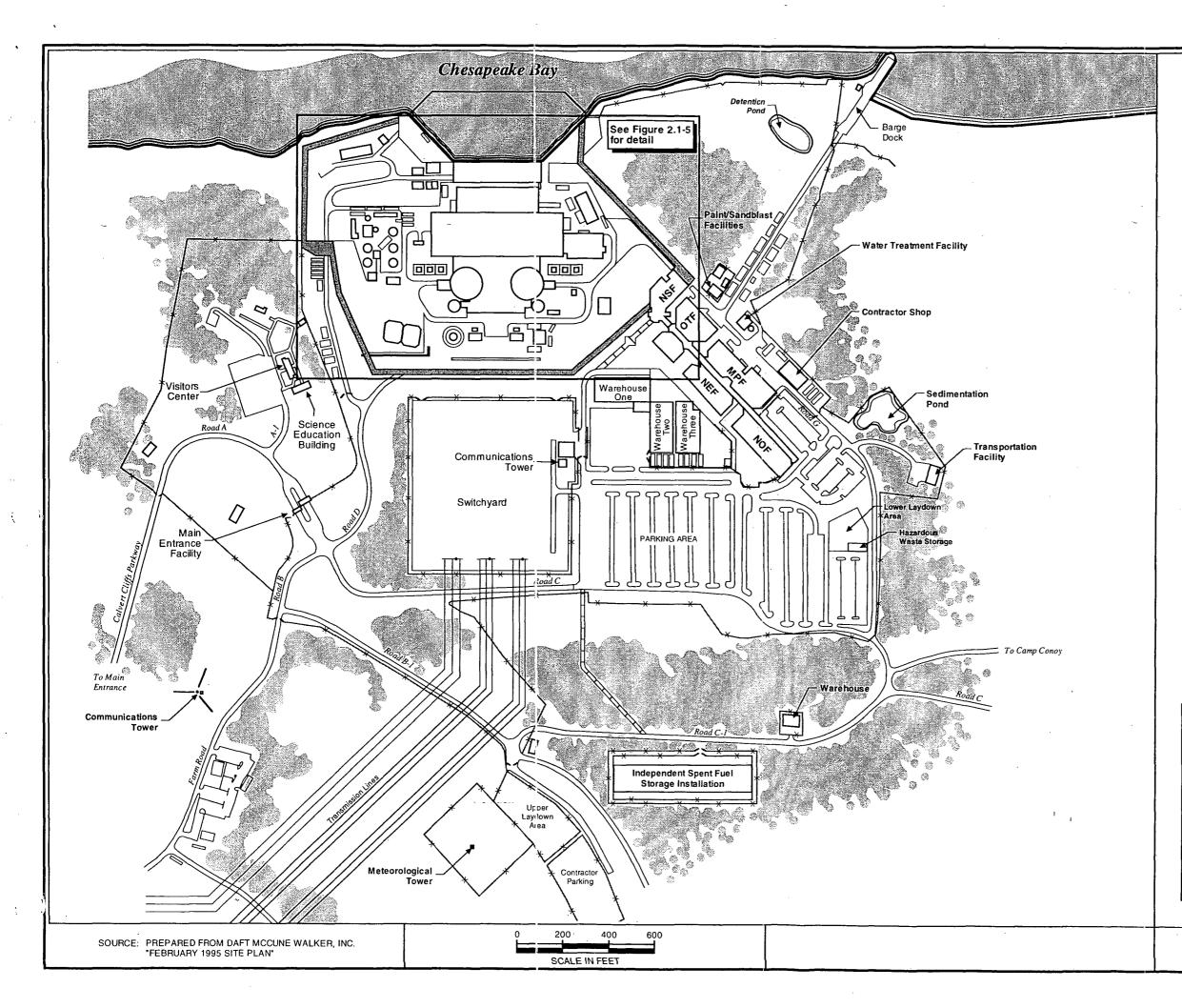


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SCALE IN FEET

LEGEND: Wooded areas Current site boundary 1973 site boundary (where not contiguous with current site boundary) 1,150-meter exclusion area Figure 2.1-3. CCNPP site layout.	



LEGEN	D:
NSF	Nuclear Security Facility
OTF	Office Training Facility
NEF	Nuclear Engineering Facility
MPF	Materials Processing Facility
NOF	Nuclear Office Facility
* Bold t	ext indicates addition since 1973
Generalities	Protected area fencing
— × —	Security fence - owner controlled
	Walkway

Figure 2.1-4. CCNPP station layout.

ENCLOSURE (2)

EPA FORM 2C, APPLICATION FOR PERMIT TO DISCHARGE

WASTEWATER, AND SUPPORTING DOCUMENTS (26 PAGES)

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applicable e	ffluent guideline, a	and inc	dicate the aff	ected outfails.							
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											×
IV. IMPROVEM	ENTS		1							<u>, 1</u>	
treatment ec	w required by an quipment or practi itions, administrati YES (<i>complete the</i>	ces or ive or e	any other er enforcement	ivironmental prog	grams which n nent complian	nay affect the dis	scharges describ ers, stipulations,	ped in this app	lication? This in	cludes, but is	of wastewater not limited to,
	TION OF CONDIT EMENT, ETC.	rion,		FECTED OUTFA		3. BRIEF	DESCRIPTION	OF PROJECT			IANCE DATE
			a. NO.	b. SOURCE OF D	SCHARGE				a. K	EQUIRED b	. PROJECTED
		×.				ſ					
			١								
	You may attach you now have und										
	MARK "X" IF DES	SCRIP	TION OF AD	DITIONAL CON	TROL PROGE	RAMS IS ATTAC	HED				
EPA Form 3510)-2C (8-90)				PAGE 2	2 of 4				CONTINUE	ON PAGE 3

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CONTINUE ON PAGE 3

	EPA I.D. NUMBER (cop)	from Item 1 of Form 1)	
NTINUED FROM PAGE 2	MD0002399		
TAKE AND EFFLUENT CHARACTER			
3, & C: See instructions before procee NOTE: Tables V-A, V-B, and V	ding – Complete one set of tables for each ou /-C are included on separate sheets numbere	utfall – Annotate the outfall number in the d V-1 through V-9.	e space provided
Use the space below to list any of the	pollutants listed in Table 2c-3 of the instruction ulist, briefly describe the reasons you believe	ons, which you know or have reason to	believe is discharged or may be discharged
1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
ie.			
		,	
	· · ·		
	·		
DTENTIAL DISCHARGES NOT COV			
y pollutant listed in Item V-C a substar YES (list all such pollutants i	nce or a component of a substance which you	u currently use or manufacture as an inte O (go to Item VI-B)	ermediate or final product or byproduct?
L IES (usi au such politiants)			
			,
	,		x
	· ·		,
	•		
	. · ·		
Form 3510-2C (8-90)	PAGE 3 of 4	· · · · · · · · · · · · · · · · · · ·	CONTINUE ON REVERSE
			·
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CONTINUED FROM THE FRONT			
VII. BIOLOGICAL TOXICITY TESTING D			
Do you have any knowledge or reason to relation to your discharge within the last 3	believe that any biological test for acute or chronic toxici	ty has been made on any of your	discharges or on a receiving water in
	describe their purposes below)	NO (go to Section VIII)	
	·		
/III. CONTRACT ANALYSIS INFORMATI	ON		
Were any of the analyses reported in Item	V performed by a contract laboratory or consulting firm?)	
YES (list the name, address, each such laboratory or	and telephone number of, and pollutants analyzed by, firm below)	NO (go to Section IX)	
A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Microbac Laboratories, Inc.	2101 Van Deman St., Baltimore Md 21224	410-633-1800	All analyses reported in section V except for the long term values.
X. CERTIFICATION			
I certify under penalty of law that this doc qualified personnel properly gather and directly responsible for gathering the infor	ument and all attachments were prepared under my dire evaluate the information submitted. Based on my inqu rmation, the information submitted is, to the best of my k se information, including the possibility of fine and impris	iry of the person or persons who mowledge and belief, true, accura	manage the system or those person:
A. NAME & OFFICIAL TITLE (type or print)		B. PHONE NO. (area code & no.)	
Douglas R.Bauder, Plant Gene	eral Manager	(410) 495-5205	
	······································	D. DATE SIGNED 5 20 20	5
EPA Form 3510-2C (8-90)		5/00/10	

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

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

V.

V. INTAKE AND E	FFLUE	NT CHARACT	ERISTICS (continu	ued from page 3	of Form 2-C)			~ .					OUTFALL NO	•
PART A -You mu	st provi	de the results o	f at least one anal	ysis for every po	ollutant in this table	. Complete on	e table for each ou	utfall. See inst	ructions for add	litional details.				
					2. EFFLUE	ENT				3. UNI (specify if			I. INTAKE (optional)	
	[a. MAXIMUM	DAILY VALUE		30 DAY VALUE ailable)	c. LON	G TERM AVRG. V (if available)	ALUE	1 110 05	00110511		a. LONG TERM AVERAGE VALUE		
1. POLLUTAN	11	(1) CONCENTRATIO	ON (2) MASS	(1) CONCENTRATIO	ON (2) MASS	(1) CONCE		(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Ox Demand (BOD)	kygen	2.3	63000						1	mg/l	lbs	2.3	63000	1
b. Chemical Oxyg Demand (<i>COD</i>)	en	48	1300000			-			1	mg/l	lbs	42	120000	. 1
c. Total Organic C (TOC)	Carbon	1.3	36000						1	mg/l	lbs	1.3	36000	1
d. Total Suspende Solids (TSS)	ed	6.0	160000						1	mg/l	lbs	16	440000	1
e. Ammonia (as N	,	< 0.10	< 3000		-				1	mg/l	lbs	0.26	7100	1
f. Flow		VALUE		VALUE	_	VALUE	3284		365	MGD		VALUE		
g. Temperature (winter)		VALUE		VALUE		VALUE	16	· · · · · · · · · · · · · · · · · · ·	182	•C		VALUE		
h. Temperature (summer)		VALUE		VALUE		VALUE	27		183	°C		VALUE		
i. pH		MINIMUM 8.1	MAXIMUM 8.1	MINIMUM	MAXIMUM				1	STANDAR	UNITS			
direct	ly, or in	directly but ex	pressly, in an effl	uent limitations		st provide the	results of at least	t one analysis	for that pollut	ant. For other pe	ollutants for v	umn 2a for any poll which you mark col		
	2. N	IARK "X"				. EFFLUENT				4. L	JNITS		TAKE (optiona	al)
1. POLLUTANT	а,	Ь.	a. MAXIMUM D	AILY VALUE	b. MAXIMUM 30 (if availe		c. LONG TERM (if ava.		d. NO. OF			a. LONG TERM		
	PRESEN		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	N (2) MASS				(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		$ \times $									-			
b. Chlorine, Total Residual	\times						< 0.1	<3000	29	mg/l	lbs			
c. Color		$ \times $												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		0.35	9600	· · ·				1	mg/l	lbs	1.9	52000	1

EPA Form 3510-2C (8-90)

ITEM V-B CONTINUED FROM FRONT

	2. MA	RK "X"			3.	EFFLUENT	·····			4. UNI	TS	5. INT.	5. INTAKE (optional)		
1. POLLUTANT AND		þ.	a. MAXIMUM DA		b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM A (if availa					a. LONG T AVERAGE V			
CAS NO. (if available)	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES	
g. Nitrogen, Total Organic (as M)	X		0.45	12000					1	mg/l	lbs	< 0.10	<2700	1	
h. Oil and Grease	X		< 10	<270000					1	mg/l	lbs				
i. Phosphorus (as P), Total (7723-14-0)		X]				
j. Radioactivity															
(1) Alpha, Total	\times		(1)												
(2) Beta, Total	\times		(1)	·											
(3) Radium, Total		\times													
(4) Radium 226, Total		\times			·							·			
k. Sulfate (as SO ₄) (14808-79-8)	\times		1000	2.7E7					1	mg/l	lbs	930	2.5e7	1	
I. Sutfide (as S)		\times													
m. Sulfite { <i>us SO₃</i> } (14265-45-3)		\mathbf{X}													
n. Surfactants	$ \times$		0.062	1700					1	mg LAS/L	lbs				
o. Aluminum, Total (7429-90-5)		X										-			
p. Barium, Total (7440-39-3)		X													
q. Boron, Total (7440-42-8)	X		1.5	41000	-				1	mg/l	lbs				
r. Cobalt, Total (7440-48-4)		X													
s. Iron, Total (7439-89-6)		X								,					
t. Magnesium, Total (7439-95-4)		X													
u. Molybdenum, Total	+	X	· ·	· · ·						+					
(7439-98-7) v. Manganese, Total		$\frac{1}{\times}$						-	1			· · · · · · · · · · · · · · · · · · ·			
(7439-96-5) w. Tin, Total (7440-31-6)	+		-				1								
(7440-31-5) x. Titanium, Total				<u> </u>		<u> </u>			<u> </u>	<u> </u>					
(7440-32-6) EPA Form 3510	0-20 (8-90)		1	L	<u> </u>			<u> </u>	l	1		l <u>.</u>		N PAGE V-3	
(1) Th	e ra	alia	chue	comp	ment	of th	PAGE V-2	lovige	is rec	ulatea	by	the U.	S. N	Inclear	
Requ	kiter	y C	mimissi	m,		·									

				E	PA I.D. NUM	BER (copy from Iten	n I of Form 1)	OUTFALL NUM	BER]					
CONTINUED FROM	A PAGE 3 O	F FORM 2-	0	M	0002399	I		001							
fraction fraction provide discharg pollutan briefly o	s that apply s), mark "X" the results ged in conce its which yo describe the	to your ind in column : of at least o entrations of u know or h	ustry and f 2-b for eac ne analysis 10 ppb or ave reason e pollutant	or ALL toxic meta h pollutant you kn s for that pollutant, greater, If you ma to believe that yo	ls, cyanides, ow or have r If you mark irk column 2b ou discharge	r, refer to Table 2c and total phenols. eason to believe is column 2b for any p for acrolein, acrylc in concentrations o Note that there ar	If you are no present. Ma pollutant, you pnitrile, 2,4 di f 100 ppb or	ot required to mark rk "X" in column 2- must provide the r nitrophenol, or 2-m greater. Otherwise	column 2- c for each esults of at ethyl-4, 6 d , for polluta	a (secondary pollutant you least one an linitrophenol, ints for which	industries, nor believe is abse alysis for that p you must provid you mark colu	process was ent, if you m ollutant if yo de the results mn 2b, you r	stewater outfalls, a ark column 2a for u know or have re s of at least one ar must either submit	and nonrequ any pollutar ason to belic nalysis for ea at least one	ired GC/MS nt, you must eve it will be ach of these analysis or
· · · · · · · · ·	1	2. MARK "X"				3. E	FFLUENT				4. UN	ITS	5. INT.	AKE (option	<i>11</i>)
1. POLLUTANT AND	a.	b.	C.	a. MAXIMUM DA		b. MAXIMUM 30 ((if availat		c. LONG TERM VALUE (if ave					a. LONG T AVERAGE		
CAS NUMBER (if available)		BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
METALS, CYANID	E, AND TOT	TAL PHENO	LS												
1M. Antimony, Total (7440-36-0)	\mathbf{X}			<0.0050	<140					1	mg/L	lbs			
2M. Arsenic, Total (7440-38-2)	X			<0.0020	< 55					1	mg/L	lbs			
3M. Beryllium, Total (7440-41-7)	X		_	<0.0025	< 68					1	mg/L	lbs			
4M. Cadmium, Total (7440-43-9)	X			<0.00050	< 14					1	mg/L	lbs			
5M. Chromium, Total (7440-47-3)	\mathbf{X}			0.0047	130					1	mg/L	lbs			
6M. Copper, Total (7440-50-8)	\times			0.050	1400 -					1	mg/L	lbs			
7M. Lead, Total (7439-92-1)	\mathbf{X}			<0.0020	< 55					1	mg/L	lbs			
8M. Mercury, Total (7439-97-6)	\times			<0.00020	< 5.5					1	mg/L	lbs			
9M. Nickel, Total (7440-02-0)	\times			0.0082	220					1	mg/L	lbs			
10M. Selenium, Total (7782-49-2)	\mathbf{X}			0.13	3600					1	mg/L	lbs			
11M. Silver, Total (7440-22-4)	\times			<0.0010	< 27					1	_mg/L	lbs			
12M. Thallium, Total (7440-28-0)	\times		 	<0.0020	< 55					1	mg/L	lbs			
13M. Zinc, Total (7440-66-6)	\times			0.022	600					1	mg/L	lbs			
14M. Cyanide, Total (57-12-5)	X			0.022	600					1	mg/L	lbs			
15M. Phenols, Total	X			0.061	1700					1	mg/L	lbs			
DIOXIN															
2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6)				DESCRIBE RES	ULTS										
EBA Eorm 3510 2/	<u> </u>		· · ·	A				E V.3		····					

	2	2. MARK "X	»	1	, 	3. E	FFLUENT				4. UN	ITS	5. INT/	<i>xl</i>)	
1. POLLUTANT AND	a.	b.	C,	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 ((if availal		c. LONG TERM VALUE (if ava					a. LONG T AVERAGE \	/ALUE	b. NO. O
CAS NUMBER (if available)	TESTING REQUIRED	PRESENT	BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSE
GC/MS FRACTION	I - VOLATIL	E COMPO	UNDS					·····		···					· · · · · · · · · · · · · · · · · · ·
1V. Accrolein (107-02-8)	\times			< 100	< 2700					1	ug/l	lbs			
2V. Acrytonitrite (107-13-1)	$ \times$	-		< 100	< 2700					1	ug/L	lbs			
3V. Benzene (71-43-2)	X			- < 5	<140			·		1	ug/L	lbs			
4V. Bis (Chloro- methyl) Ether (542-88-1)			}	N/R											
5V. Bromoform (75-25-2)	X			< 5	<140					1	ug/L	lbs			
6V. Carbon Tetrachloride (56-23-5)	×			< 5	<140					1	ug/L	lbs			
7V. Chlorobenzene (108-90-7)	X			< 5	<140					1	ug/L	lbs			
8V. Chlorodi- bromomethane (124-48-1)	X			< 5	<140	7				.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			< 5	<140					1	ug/L	lbs			
11V. Chloroform (67-66-3)	X			< 5	<140					1	ug/L	lbs			
12V. Dichloro- bromomethane (75-27-4)	X			< 5	<140					1	ug/L	lbs			
13V. Dichloro- difluoromethane (75-71-8)	\times			< 10	<270					1	ug/L	lbs	-		
14V. 1,1-Dichloro- ethane (75-34-3)	X			< 5	<140				N	1	ug/L	lbs			
15V. 1,2-Dichloro- ethane (107-06-2)	X			< 5	<140					1	ug/L	lbs			
16V. 1,1-Dichloro- ethylene (75-35-4)	X			< 5	<140					1	ug/L	lbs			
17V. 1,2-Dichloro- propane (78-87-5)	X	1	1	< 5	<140					1	ug/L	lbs			
18V. 1,3-Dichloro- propylene (542-75-6)	X			· < 5	<140					1	ug/L	lbs			
19V. Ethylbenzene (100-41-4)	X			< 5	<140					1 .	ug/L	lbs			
20V. Methyl Bromide (74-83-9)	X			< 10	< 270					1	ug/L	lbs	-		
21V. Methyl Chloride (74-87-3)	X		1	< 10	< 270					(<u>1</u> .	ug/L	lbs			

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CONTINUE ON PAGE V-5

	2	2. MARK "X				· · · · · · · · · · · · · · · · · · ·	FFLUENT				4. UN	ITS	5. INTA	KE (optiona	/)
1. POLLUTANT AND CAS NUMBER	a,	b.	с.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 I (if availai		c. LONG TERM VALUE (if ava			00110511		a. LONG T AVERAGE V		
(if available)	TESTING REQUIRED	BELIEVED PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	– VOLATIL	E COMPO	UNDS (con	tinued)											
22V. Methylene Chloride (75-09-2)	\times			< 5	<140					1	ug/L	lbs			
23V. 1,1,2,2- Tetrachloroethane (79-34-5)	\times			< 5	<140					1	ug/L	lbs			
24V. Tetrachloro- ethylene (127-18-4)	\times			< 5	<140					1	ug/L	lbs			
25V, Toluene (108-88-3)	\mathbf{X}			< 5	<140					1	ug/L	lbs			
26V. 1,2-Trans- Dichloroethylene (156-60-5)	\times			< 5	<140					1	ug/L	lbs			
27V. 1,1,1-Trichloro- ethane (71-55-6)	\times			< 5	<140					1	ug/L	lbs			
28V. 1,1,2-Trichloro- ethane (79-00-5)	X			< 5	<140					1	ug/L	lbs		····	
29V Trichloro- ethylene (79-01-6)	\times			< 5	<140					1	ug/L	lbs			
30V. Trichloro- fluoromethane (75-69-4)	Х			< 10	< 270					1	ug/Ĺ	lbs			
31V. Vinyl Chloride (75-01-4)	X			< 10	< 270					1	ug/L	lbs			
GC/MS FRACTION	- ACID CC	MPOUNDS	3					<u> </u>		· · · · · · · · · · · · · · · · · · ·			·	, <u>·</u>	<u>-</u>
1A. 2-Chlorophenol (95-57-8)	\times			< 10	< 270					1	ug/L	lbs			
2A. 2,4-Dichloro- phenol (120-83-2)	\mathbf{X}			< 10	< 270					1	ug/L	lbs			
3A. 2,4-Dimethyl- phenol (105-67-9)	\times			< 10	< 270					1	ug/L	lbs			
4A. 4,6-Dinitro-O- Cresol (534-52-1)	\times			< 52	<1400					1	ug/L	lbs			
5A. 2,4-Dinitro- phenol (51-28-5)	\times			< 52	<1400					1	ug/L	lbs			
6A. 2-Nitrophenol (88-75-5)	\times			< 10	< 270					1	ug/L	lbs			
7A. 4-Nitrophenol (100-02-7)	X			< 52	<1400					1	ug/L	lbs			
8A. P-Chloro-M- Cresol (59-50-7)	X			< 10	<140					1	ug/L	lbs			
9A. Pentachloro- phenol (87-86-5)	X			< 52	<1400					1	ug/L	lbs			
10A. Phenol (108-95-2)	X			< 10	< 270					1	ug/L	lbs			
11A, 2,4,6-Trichloro- phenol (88-05-2)	X			< 10	< 270					1	ug/L	lbs			

	2	2. MARK "X"					FFLUENT				4. UN	ITS		KE (optiona	u)
	a.	b.	C.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 [(if availal		c, LONG TERM VALUE (if ava			0011071		a. LONG T AVERAGE \		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	- BASE/NE	EUTRAL CO	MPOUND	s								_			
1B. Acenaphthene (83-32-9)	X			< 10	< 270					1	ug/L	lbs			T
2B. Acenaphtylene (208-96-8)	\times			< 10	< 270				_	1	ug/L	lbs			
3B. Anthracene (120-12-7)	\times			< 10	< 270					1	ug/L	lbs			
4B. Benzidine (92-87-5)	\times			< 52	<1400					1	ug/L	lbs			
5B. Benzo (<i>a</i>) Anthracene (56-55-3)	\times			< 10	< 270					1	ug/L	lbs			
6B. Benzo (a) Pyrene (50-32-8)	$ \times$			< 10	< 270					1	ug/L	lbs			
7B. 3,4-Benzo- fluoranthene (205-99-2)	\times			< 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)	\times			< 10	< 270					1	ug/L	lbs			-
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	\times			< 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- Chloroisopropyl) Ether (102-80-1)	\times			< 10	< 270					1	ug/L	lbs			
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)	\times			43	1200					1	ug/L	lbs			
14B. 4-Bromophenyl 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)	\times			< 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 (<i>a.h</i>) Anthracene (53-70-3)	X			< 10	< 270	-				1	ug/L	lbs		- <u>-</u>	
20B. 1,2-Dichloro- benzene (95-50-1)	X	· ·		< 10	< 270			·		1	ug/L	lbs			
21B. 1,3-Di-chloro- benzene (541-73-1)	X			< 10	< 270					1	ug/L	lbs			

CONTINUED FROM THE FRONT

CONTINUE ON PAGE V-7

CONTINUED FROM		2. MARK "X"	·				FFLUENT				4. UN	ITS	5. INTA	KE (optiona	
1. POLLUTANT AND	a.		с.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 ((if availal	DAY VALUE	c. LONG TERN VALUE (if ava					a. LONG T AVERAGE \	ERM	
CAS NUMBER (if available)	TESTING	BELIEVED PRESENT	BELIEVED		(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	N – BASE/N	EUTRAL CO	OMPOUND	S (continued)				<u> </u>							
22B. 1,4-Dichloro- benzene (106-46-7)	X			< 10	< 270					1	ug/L	lbs			
23B. 3,3-Dichloro- benzidine (91-94-1)	$ \times$			< 21	< 570					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)				< 10	< 270					1	ug/L	lbs			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			< 10	< 270					1	ug/L	lbs		,	
31B. Fluoranthene (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. Hexachloro- butadiene (87-68-3)	X			< 10	, < 270					1	ug/L	lbs			
35B. Hexachtoro- cyclopentadiene (77-47-4)	X			< 10	< 270	,				1	ug/L	lbs			
36B Héxachloro- 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)	\times			< 10	< 270					1	ug/L	lbs			

CONTINUED FROM				·	·						4. UN		E 1917		<u> </u>
1. POLLUTANT	2	2. MARK "X				3. E b. MAXIMUM 30 [FFLUENT	c. LONG TERM		r	4. UN	13	a. LONG T		<u>"</u>
AND CAS NUMBER	a. TESTING	b. BELIEVED		a. MAXIMUM DAI	LY VALUE	(if availat		VALUE (if ava	ilable)	d, NO. OF	a. CONCEN-		AVERAGE V		b. NO. OF
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	– BASE/NE	UTRAL CO	MPOUND	S (continued)				-							
43B. N-Nitro- sodiphenylamine (86-30-6)	\times			< 10	< 270					1	ug/L	lbs			
44B. Phenanthrene (85-01-8)	X			< 10	< 270					1	ug/L	lbs			
45B. Pyrene (129-00-0)	\times			< 10	< 270	-				1	ug/L	lbs			
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	\times			< 10	< 270					1	ug/L	lbs	-		
GC/MS FRACTIO	V - PESTIC	IDES											•		·
1P. Aldrin (309-00-2)		 		N/R											
2Ρ. α-BHC (319-84-6)															
3P. β-BHC (319-85-7)													· .		
4P. γ-BHC (58-89-9)															
5P. &-BHC (319-86-8)					,										
6P. Chlordane (57-74-9)															
7P. 4,4'-DDT (50-29-3)															
8P. 4,4'-DDE (72-55-9)															
9P. 4,4'-DDD (72-54-8)				ļ	L		 								ļ
10P. Dieldrin (60-57-1)	L														
11P. α-Enosulfan (115-29-7)	<u> </u>	ļ				ļ				 				 	ļ
12P. β-Endosulfan (115-29-7)	ļ		<u> </u>			l		ļ		. 					ļ
13P. Endosulfan Sulfate (1031-07-8))									
14P. Endrin (72-20-8)	ļ							·							L
15P. Endrin Aldehyde (7421-93-4)															
16P. Heptachlor (76-44-8)														· · ·	

PAGE V-8

CONTINUE ON PAGE V-9

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				Ì	EPA I	.D. NUMBE	R (copy from Item 1 o	of Form 1)	OUTFALL NUME	BER	1					
CONTINUED FROM	M PAGE V-8	3				MI	D0002399		00	1			·			
	, 2	2. MARK "X	•				3. E	FFLUENT			d	. 4. UN	ITS	5. INTA	KE (optiona	ı/)
1. POLLUTANT AND	a.	b.	с.		IMUM DA	ILY VALUE	b. MAXIMUM 30 [(if availal		c. L'ONG TERN VALUE (if ava					a. LONG TI AVERAGE V		
CAS NUMBER (if available)	REQUIRED	BELIEVED PRESENT	BELIEVED		(1) NTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	I - PESTICI	DES (contin	ued)													
17P. Heptachlor Epoxide (1024-57-3)				N	/R							·			·	-
18P. PCB-1242 (53469-21-9)																
19P. PCB-1254 (11097-69-1)																
20P. PCB-1221 (11104-28-2)																
21P. PCB-1232 (11141-16-5)																
22P. PCB-1248 (12672-29-6)										-						
23P. PCB-1260 (11096-82-5)																
24P. PCB-1016 (12674-11-2)																
25P. Toxaphene (8001-35-2)																

PAGE V-9

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

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

V. INTAKE AND EFF	LUENT CHARA	CTERIS	STICS (continu	ied from page 3	3 of Form 2-C)								DUTFALL NO	
PART A -You must p	rovide the resu	Its of at	least one analy	ysis for every p	ollutant in this table	e. Complete one	e table for each ou	utfall, See insti	ructions for add	litional details.				
					2. EFFLU	ENT				3. UN (specify if			I. INTAKE (optional)	
			ILY VALUE	(if a	1 30 DAY VALUE vailable)	c. LON	G TERM AVRG. \ (if available)	ALUE	d. NO. OF	a. CONCEN-		a. LONG 1 AVERAGE		b. NO. OF
1. POLLUTANT	(1) CONCENTR	ATION	(2) MASS	(1) CONCENTRATI	ON (2) MASS	(1) CONCE	NTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
a. Biochemical Oxyg Demand (BOD)	en					. 7.:	28	0.679	51	mg/l	lbs			
b. Chemical Oxygen Demand (COD)	. < 1	0	< 0.93						1	mg/l	lbs			
c, Total Organic Cart (<i>TOC</i>)	on 7.9)	0.74				-		1	mg/l	lbs	·		
d, Total Suspended Solids (<i>TSS</i>)	-			*		4.	04	0.377	51	mg/l	lbs			
e. Ammonia (as N)	1.8	3	0.17					•	1	mg/l	lbs			
f. Flow	VALUE	,		VALUE		VALUE	0.01118		365	MGD		VALUE		
g. Temperature (winter)	VALUE			VALUE		VALUE	Ambient	-		°C		VALUE		
h. Temperature (summer)	VALUE			VALUE		VALUE	Ambient			°C		VALUE		
i. pH	MINIMUM 7.1	3	MAXIMUM 7.8	MINIMUM	MAXIMUM				1	STANDAR	D UNITS			
directiv.	or indirectly bu	t expres	ssly, in an efficience	uent limitations	eason to believe is guideline, you mu lischarge. Complete	ist provide the	results of at least	t one analysis	for that pollut	ant. For other p	ollutants for	lumn 2a for any poll which you mark col	utant which is umn 2a, you	limited either must provide
	2. MARK "X"	1				. EFFLUENT				4.1	JNITS	5, IN	TAKE (option	al)
1. POLLUTANT AND	a. b.			AILY VALUE	b. MAXIMUM 30 (if avail		c. LONG TERM (if ava	AVRG. VALU ilable)	IE d. NO. O	F a. CONCE		a. LONG TERM VALL		b. NO. OF
CAS NO. BEL (if available) PR	IEVED BELIEV SENT ABSEN		(1) NCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATIO	N (2) MASS				S CONCENTRATIO	(2) MASS	ANALYSES
a. Bromide (24959-67-9)														
b. Chlorine, Total Residual			<u>1</u>		·									-
c. Color														
d. Fecal Coliform			-											
e. Fluoride (16984-48-8)												-		
f. Nitrate-Nitrite (as N)														

EPA Form 3510-2C (8-90)

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

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

V. INTAKE AND EFFLU	ENT CHARACTERI	STICS (contin	ued from page 3 of	Form 2-C)		· · · ·					OUTFALL NO	
				· · · · · ·	_i		·		_			
PART A -You must prov	ide the results of at	least one ana	lysis for every pollu	ant in this table	e. Complete one table for eac	h outfall. See inst	ructions for add	litional details.				
				2. EFFLU	ENT			3. UN (specify if		1	4. INTAKE (optional)	
	a. MAXIMUM DA		b. MAXIMUM 30 (if availe		c. LONG TERM AVR (if available		d, NO. OF	a. CONCEN-		a. LONG T AVERAGE		b. NO. OF
1. POLLUTANT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
a. Biochemical Oxygen Demand (BOD)	7.2	16			,		1	mg/l	lbs			
b. Chemical Oxygen Demand (COD)	< 10	< 23				-	1	mg/l	lbs			
c. Total Organic Carbon (TOC)	1.5	3.4					1	mg/l	lbs			
d. Total Suspended Solids (TSS)					4.3	9.8	13	mg/l	lbs			
e. Ammonia (as N)	2.5	5.7					1	mg/l	lbs			
f. Flow	VALUE	•	VALUE	·····	VALUE 273000		12	gpd		VALUE	<u> </u>	
g. Temperature (winter)	VALUE		VALUE		VALUE ambient			°C	<u> </u>	VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE			•C		VALUE	<u> </u>	
i. pH	MINIMUM	MAXIMUM	MINIMUM 7.5	MAXIMUM 8.6			12	STANDARI	D UNITS	1.2.2		
directly, or	indirectly but expre	ssly, in an eff	uent limitations gui	deline, you mu	present. Mark "X" in column ust provide the results of at I e one table for each outfall. S	east one analysis	s for that pollut	ant. For other p	ollutants for	blumn 2a for any pol which you mark co	lutant which is lumn 2a, you	limited either must provide

	2. MAI	RK "X"			3.	EFFLUENT				4. UNI	rs –	5. INT	AKE (option	al)
1. POLLUTANT AND	а.	b,	a. MAXIMUM DA		b. MAXIMUM 30 (if availa		c. LONG TERM A (if availat		-	00110511		a. LONG TERM VALUE		
CAS NO, (if available)	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		\times												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		\times								 			í	

EPA Form 3510-2C (8-90)

ITEM V-B CONT	2. MAI				3.	EFFLUENT	·····			4. UNI	rs	5. INT	AKE (optiond	zl)
1. POLLUTANT AND	a,	b,	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM A (if availa					a. LONG T. AVERAGE V	ERM	b. NO. OF
CAS NO. (if available)	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
g. Nitrogen, Total Organic (<i>as</i> //)		\times												
h. Oil and Grease	\times				5.6	13	5.0		13	mg/l	lbs			
i. Phosphorus (as P), Total (7723-14-0)		\times												
j. Radioactivity													L	l
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium; Total		X											 	
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)		X							-					
I. Sulfide (as S)		X												
m. Sulfite (as SO ₃) (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)		ľΧ												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)	T	X												Í
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										-		

CONTINUE ON PAGE V-3

				E	PA I.D. NUM	BER (copy from Iten	n I of Form 1)	OUTFALL NUM	BER				÷		
ONTINUED FRO	M PAGE 3 O	F FORM 2-	С	ME	0002399			MP102							
fraction fraction provide discha polluta briefly	is that apply ps), mark "X" the results ged in conce nts which you	to your ind in column of at least o entrations of u know or h reasons th	ustry and f 2-b for eac ne analysis 10 ppb or ave reasor e pollutant	or ALL toxic metal h pollutant you kno s for that pollutant. greater. If you man h to believe that you	s, cyanides, ow or have r If you mark (rk column 2b u discharge	r, refer to Table 2c and total phenols. eason to believe is column 2b for any i for acrolein, acrylo in concentrations c Note that there as	If you are no present. Ma pollutant, you politrile, 2,4 di of 100 ppb or	ot required to mark rk "X" in column 2- must provide the in nitrophenol, or 2-m greater. Otherwise	column 2- c for each results of at ethyl-4, 6 d for polluta	a (secondary pollutant you least one and linitrophenol, y ants for which	industries, non believe is abse alysis for that p you must provid you mark colur	process was ent. If you m ollutant if yo le the results nn 2b, you r	stewater outfalls, a ark column 2a for u know or have rea s of at least one an nust either submit	nd nonrequ any pollutar ason to belic alysis for er at least one	ired GC/MS nt, you mus eve it will be ach of these analysis or
	2	MARK "X					FFLUENT				4. UN	ITS		AKE (option	al)
1. POLLUTANT AND	a.	b.	C.	a, MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa		c. LONG TERN VALUE (if av					a. LONG T AVERAGE		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OI ANALYSE
METALS, CYANIC	E, AND TOT	AL PHENO	LS		· · · · · · · · · · · · · · · · · · ·			·····	·		·				
1M. Antimony, Tota (7440-36-0)	' X			< 0.0050	<0.011					1	mg/L	lbs			
2M. Arsenic, Total (7440-38-2)	$ \times$			< 0.50	<1.1					1	mg/L	lbs			
3M. Beryllium, Tota (7440-41-7)	X			< 0.0025	<0.006					1	mg/L	lbs			
4M. Cadmium, Tota (7440-43-9)	' ×			< 0.00050	<0.001					1	mg/L	lbs		. e	
5M. Chromium, Total (7440-47-3)	X			0.0054	0.012					1	mg/Ŀ	lbs			
6M. Copper, Total (7440-50-8)	X			0.63	1.4					1	mg/L	lbs			
7M. Lead, Total (7439-92-1)	X			0.0066	0.015					1	mg/L	lbs			
8M. Mercury, Total (7439-97-6)	X	-		< 0.00020	<4E-4					1	.mg/L	lbs			
9M, Nickel, Total (7440-02-0)	X			0.032	0.073					1	mg/L	lbs			
10M. Selenium, Total (7782-49-2)	X			0.061	0.14					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	<0.004					1	mg/L	lbs			
13M. Zinc, Total (7440-66-6)	X			0.032	0.073					1	mg/L	lbs	•		
14M. Cyanide, Total (57-12-5)	X			0.014	0.032	1				1	mg/L	lbs			
15M. Phenols, Total	X			0.046	0.10					1	mg/L	lbs			
DIOXIN															
2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6)				DESCRIBE RES	ULTS							;			

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CONTINUED FROM		2. MARK "X"	,			3. E	FFLUENT		 	4. UN	ITS		KE (optiond	ıl) -
1. POLLUTANT AND	a.	b,	C,	a. MAXIMUM DA	LY VALUE	b. MAXIMUM 30 [(if availab		c. LONG TERN VALUE (if ava				a. LONG T AVERAGE V		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	d. NO. OF	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	I - VOLATIL	E COMPOL	JNDS											
1V. Accrolein (107-02-8)	\mathbf{X}			< 100	230				1	ug/L	lbs			
2V. Acrylonitrile (107-13-1)	X		-	< 100	230				1	ug/L	lbs			
3V. Benzene (71-43-2)	X			< 5	<0.011				1	ug/L	lbs	-		
4V. Bis (Chloro- methyl) Ether (542-88-1)				N/R										
5V. Bromoform (75-25-2)	X			< 5	<0.011				1	ug/L	lbs			
6V. Carbon Tetrachloride (56-23-5)	\times			< 5	<0.011				1	ug/L	lbs			
7V. Chlorobenzene (108-90-7)	X			< 5	<0.011				1	ug/L	lbs			
8V. Chlorodi- bromomethane (124-48-1)	X			< 5	<0.011				1	ug/L	lbs			
9V. Chloroethane (75-00-3)	X			< 10	<0.023				1	ug/L	lbs			
10V. 2-Chloro- ethylvinÿl Ether (110-75-8)	X			< 5	<0.011				1	ug/L ·	lbs			
11V. Chloroform (67-66-3)	X			< 5	<0.011				1	ug/L	lbs			
12V. Dichloro- bromomethane (75-27-4)	X			< 5	<0.011				1	ug/L	lbs			
13V. Dichloro- difluoromethane (75-71-8)	\times			< 10	<0.023				 1	ug/L	'lbs			
14V, 1,1-Dichloro- ethàne (75-34-3)	X			< 5	<0.011				 1	ug/L	lbs			
15V. 1,2-Dichloro- ethane (107-06-2)	X			. < 5	<0.011				1	ug/L	lbs			
16V. 1,1-Dichloro- ethylene (75-35-4)	\times			< 5	<0.011				1	ug/L	lbs			
17V. 1,2-Dichloro- propane (78-87-5)	X			< 5	<0.011			·	1	ug/L	lbs			
18V. 1,3-Dichloro- propylene (542-75-6)	X			< 5	<0.011				1	. ug/L	lbs			
19V. Ethylbenzene (100-41-4)	X			< 5	<0.011				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			

CONTINUED FROM THE FRONT

CONTINUE ON PAGE V-5

	2	MARK "X	•				FFLUENT				4. UN	ITS	5. INTA	KE (optiona	Ŋ
1. POLLUTANT AND	а,	Ь.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 I (if availa		c. LONG TERM VALUE (if ava					a. LONG T AVERAGE V		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	I – VOLATIL	E COMPO	UNDS (con	tinued)				-							
22V. Methylene Chloride (75-09-2)	\times			< 5	<0.011					1	ug/L	lbs			
23V. 1,1,2,2- Tetrachloroethane (79-34-5)	\times			, < 5	<0.011					1	ug/L	lbs		-	
24V. Tetrachloro- ethylene (127-18-4)	\mathbf{X}			< 5	<0.011					1	ug/L	lbs			
25V. Toluene (108-88-3)	X			< 5	<0.011					1	ug/L	lbs			
26V. 1,2-Trans- Dichloroethylene (156-60-5)	\times			< 5	<0.011					1	ug/L	lbs			
27V. 1,1,1-Trichloro- ethane (71-55-6)	\times			< 5	<0.011	-				1	ug/L	lbs			
28V. 1,1,2-Trichloro- ethane (79-00-5)	X			· < 5	<0.011					1	ug/L	lbs			
29V Trichloro- ethylene (79-01-6)	X			< 5	<0.011					1	ug/L	lbs			
30V. Trichloro- fluoromethane (75-69-4)	\times			< 10	<0.023					1	ug/L	lbs.			
31V. Vinyl Chloride (75-01-4)	Х			< 10	<0.023					1	ug/L	lbs			
GC/MS FRACTION	ACID CC	MPOUNDS	3			••••••							د <u>میں محمد م</u> لا		La
1A. 2-Chlorophenol (95-57-8)	\times			< 10	<0.023					1	ug/L	lbs			
2A. 2,4-Dichloro- phenol (120-83-2)	X			< 10	<0.023				_	1	ug/L	lbs			
3A. 2,4-Dimethyl- phenol (105-67-9)	ľΧ	-		< 10	<0.023			А.		1	ug/L	lbs			
4A. 4,6-Dinitro-O- Cresol (534-52-1)	X			< 53	<0.12					1	ug/L	lbs			
5A. 2,4-Dinitro- phenol (51-28-5)	X			< 53	<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			< 53	<0.12					1	ug/L	lbs			
8A. P-Chloro-M- Cresol (59-50-7)	X			< 10	<0.023				<u>.</u>	1	ug/L	lbs			
9A. Pentachloro- phenol (87-86-5)	X		1	< 53	<0.12					1	ug/L	lbs			
10A. Phenol (108-95-2)	X			< 10	<0.023	1			· · · · · ·	1	ug/L	lbs			
11A. 2,4,6-Trichloro- phenol (88-05-2)	X			< 10	<0.023		[1	ug/L	lbs			

	1	2. MARK "X"	•				FFLUENT				4. UN	ITS	5. INTA	AKE (optiona	0
1. POLLUTANT AND	a.	b,	L C	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 [(if availab		c. LONG TERN VALUE (if ava					a. LONG T AVERAGE V		
CAS NUMBER (if available)	TESTING	BELIEVED PRESENT	BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		d, NO, OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	- BASE/N	EUTRAL CO	OMPOUND	· · · · · · · · · · · · · · · · · · ·		Concentration	(1) 10100	Contectment	(2) 11/00	1			CONCENTION	(2) 10/233	
1B. Acenaphthene (83-32-9)	X			< 10	<0.023					1	mg/L	lbs			
2B. Acenaphtylene (208-96-8)	X			< í0	<0.023					1	mg/L	lbs		· · · · · · · · · · · · · · · · · · ·	
3B. Anthracene (120-12-7)	\times			< 10	<0.023					1	mg/L	lbs			
4B. Benzidine (92-87-5)	\times		l	< 53	<0.12					1	mg/L	lbs			
5B. Benzo (a) Anthracene (56-55-3)	\times			< 10	<0.023					1	mg/L	lbs	-		
6B. Benzo (a) Pyrene (50-32-8)	\times			< 10	<0.023					1	mg/L	lbs			
7B. 3,4-Benzo- fluoranthene (205-99-2)	\times		_	< 10	<0.023					1	mg/L	lbs			
8B. Benzo (<i>ghi</i>) Perylene (191-24-2)	\times	-		< 10	<0,023					1	mg/L	lbs			
9B. Benzo (k) Fluoranthene (207-08-9)	X			< 10	<0.023					1	mg/L	lbs			
10B. Bis (2-Chloro- cthoxy) Methane (111-91-1)	\times			< 10	<0.023					1	mg/L	lbs			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			< 10	<0.023		·		_	1	mg/L	lbs			
12B. Bis (2- Chloroisopropyf) Ether (102-80-1)	\times			< 10	<0.023	1				1	mg/L	lbs			
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)	\times			16	0.036					1	mg/L	lbs			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X			< 10	<0.023					1	mg/L	lbs			
15B. Butyl Benzyl Phthalate (85-68-7)	\times			< 10	<0.023					1	mg/L	lbs			
16B. 2-Chloro- naphthalene (91-58-7)	\times			< 10	<0.023					- 1	mg/L	lbs			-
178. 4-Chloro- phenyl Phenyl Ether (7005-72-3)	X			< 10	<0.023					1	mg/L	lbs			
18B. Chrysene (218-01-9)	X			< 10	<0.023	1				1	mg/L	lbs			
19B. Dibenzo (a.h) Anthracene (53-70-3)	X			< 10	<0.023					1	mg/L	lbs			
20B. 1,2-Dichloro- benzene (95-50-1)	X			< 10	<0.023					1	mg/L	lbs			
21B. 1,3-Di-chloro- benzene (541-73-1)	X			< 10	<0.023					1	mg/L	lbs			

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CONTINUE ON PAGE V-7

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CONTINUED FRO		2. MARK "X				3. E	FFLUENT				4. UN	ITS	5. INTA	KE (optiona	lí)
1. POLLUTANT AND	a	b.	С.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 [(if availal		c. LONG TERN VALUE (if ava					a, LONG T AVERAGE V		
CAS NUMBER (if available)	TESTING REQUIRED	PRESENT	BELIEVÉD ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSE
GC/MS FRACTIO	V - BASE/N	EUTRAL CO	OMPOUND	S (continued)							····-				
22B. 1,4-Dichloro- benzene (106-46-7)	X			< 10	<0.023					1	mg/L	lbs	· .	-	
23B. 3,3-Dichloro- benzidine (91-94-1)	$ \times $			< 21	<0.047					1	mg/L	lbs			
24B. Diethyl Phthalate (84-66-2)	\times			< 10	<0.023					1	mg/L	lbs			
25B. Dimethyl Phthalate (131 -11-3)	\times			< 10	<0.023	-				1	mg/L	lbs		-	
26B. Di-N-Butyl Phthalate (84-74-2)	Х			< 10	<0.023					. 1	mg/L	lbs			
27B. 2,4-Dinitro- toluene (121-14-2)	X			< 10	<0.023					1	mg/L	lbs			
28B. 2,6-Dinitro- toluene (606-20-2)	X			< 10	<0.023					1	mg/L	lbs		•	
29B. Di-N-Octyl Phthalate (117-84-0				< 10	<0.023					1	mĝ/L	lbs			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7) X			< 10	<0.023			-		1	mg/L	lbs			
31B. Fluoranthene (206-44-0)	X			< 10	<0.023					1	mg/L	lbs		•	
32B. Fluorene (86-73-7)	\times			< 10	<0.023					. 1	mg/L	lbs			
33B. Hexachloro- benzene (118-74-1)	X	1		< 10	<0.023					1	mg/L	lbs			
34B. Hexachloro- butadiene (87-68-3)	X	-		< 10	<0.023					1	mg/L	lbs			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			< 10	<0.023					1	mg/L	lbs		· ·	
36B Hexachloro- elhane (67-72-1)	X			< 10	<0.023	2				1	mg/L	lbs			
37B. Indeno (1,2,3-co) Pyrene (193-39-5)	X		. ,	< 10	<0.023					1	mg/L	lbs			
38B. Isophorone (78-59-1)	X			< 10	<0.023					1	mg/L	lbs			
39B. Naphthalene (91-20-3)	X			< 10	<0.023					1	mg/L	lbs			
40B. Nitrobenzene (98-95-3)	$ \times $			< 10	<0.023					1	mg/L	lbs			
41B. N-Nitro- sodimethylamine (62-75-9)	X			< 10	<0.023					1	mg/L	lbs			
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			· < 10	<0.023					1	mg/L	lbs			

PAGE V-7

	2	. MARK "X					FFLUENT				4. UN	ITS	5. INTA	AKE (optiona	1)
1. POLLUTANT AND CAS NUMBER	a.	b. ·	C.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 (if availai		c. LONG TERN VALUE (if ava	ulahle)		0.0110.511		a. LONG T AVERAGE V	ERM	
(if available)	TESTING REQUIRED		ABSENT	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	- BASE/NE	UTRAL CO	MPOUND	S (continued)											
43B. N-Nitro- sodiphenylamine (86-30-6)	\times			< 10	<0.023					1	mg/L	lbs			ŕ
44B. Phenanthrene (85-01-8)	Х			< 10	<0.023					1	mg/L	lbs			
45B. Pyrene (129-00-0)	\times			< 10	<0.023					1	mg/L	lbs			
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	\times			< 10	<0.023					1	mg/L	lbs			
GC/MS FRACTION	I - PESTICI	DES					·	· · · · · · · · · · · · · · · · · · ·		·	·				<u> </u>
1P. Aldrin (309-00-2)				N/R	-										
2P. α-BHC (319-84-6)														<u> </u>	
3Ρ. β-BHC (319-85-7)					-			.]							
4P. γ-BHC (58-89-9)										-					
5P. δ-BHC (319-86-8)											•	· .			
6P. Chlordane (57-74-9)															
7P. 4,4'-DDT (50-29-3)	-												•		
8P. 4,4'-DDE (72-55-9)															
9P. 4,4'-DDD (72-54-8)															
10P. Dieldrin (60-57-1)			 												
.11Ρ. α-Enosulfan (115-29-7)	ļ			 			 								
12P. β-Endosulfan (115-29-7)	L			ļ					·						
13P. Endosulfan Sulfate (1031-07-8)															
14P. Endrin (72-20-8)															
15P. Endrin Aldehyde (7421-93-4)			[
16P. Heptachlor (76-44-8)															

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				EPA	I.D. NUMBE	R (copy from Item 1	of Form 1)	OUTFALL NUM	BER						
CONTINUED FRO	M PAGE V-8	3		}	MI	0002399		MP	102					÷	
	2	2. MARK "X"		· ·		3. E	FFLUENT				4. UN	ITS	5. INTA	KE (optiona	ı)
1. POLLUTANT AND	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 ((if availa		c. LONG TERN VALUE (if ava		4 NO. 05			a. LONG T AVERAGE V		
		BELIEVED PRESENT		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	NO. OF a. CONCEN- IALYSES TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	I – PESTICI	DES (contin	ued)												
17P. Heptachlor Epoxide (1024-57-3)															
18P. PCB-1242 (53469-21-9)			Х												
19P. PCB-1254 (11097-69-1)							·			,			-		
20P. PCB-1221 (11104-28-2)						~					-				
21P. PCB-1232 (11141-16-5)															
22P. PCB-1248 (12672-29-6)															
23P. PCB-1260 (11096-82-5))				,
24P. PCB-1016 (12674-11-2)															
25P. Toxaphene (8001-35-2)					-									1	

PAGE V-9

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

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

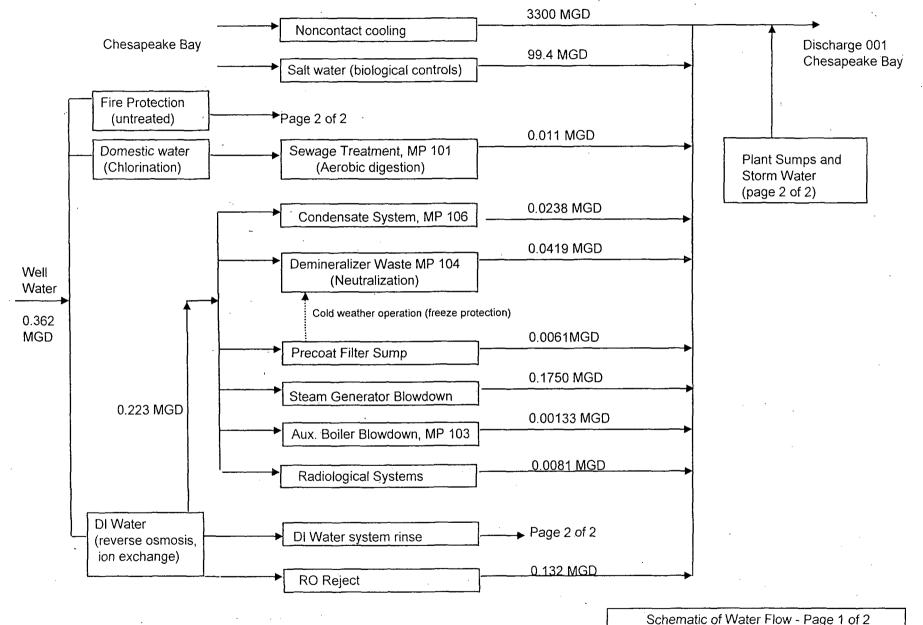
SEE INSTRUCTIONS.							_						
V. INTAKE AND EFF	UENT CHARAC	TERISTICS (co	nlinued from page	e 3 of Form 2-C)								OUTFALL NO	
PART AYou must p	rovide the results	of at least one	analysis for every	pollutant in this table	e. Complete on	e table for each ou	fall. See inst	ructions for add	litional details.				
				2. EFFLU				·		3. UNITS 4. INTAKE (specify if blank) (optional)			
		M DAILY VALU	E (if	M 30 DAY VALUE available)	c. LON	G TERM AVRG. V (if available)	ALUE	d. NO, OF	a. CONCEN-		a. LONG , AVERAGE	VALUE	b. NO. OF
1. POLLUTANT	(1) CONCENTRA	TION (2) MAS	(1) SCONCENTRA	TION (2) MASS	(1) CONCE	NTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
a. Biochemical Oxyge Demand (BOD)	ⁿ < 2.0	< 0.7	0					1	mg/l	lbs			
b. Chemical Oxygen Demand (COD)	< 10	< 3.	5					1	mg/l	lbs			
c. Total Organic Cart (TOC)	on 3.5	1.2						ı	mg/l	lbs			
d. Total Suspended Solids (TSS)					2.	8	1.0	12 ,	mg/l	lbs	_		
e. Ammonia (as N)	2.7	0.94	Ł					1	mg/l	lbs			
f. Flow	VALUE		VALUE		VALUE	41865	-	80	gpd		VALUE		,
g. Temperature (winter)	VALUE		VALUE		VALUE	ambient			°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE	ambient			• • C		VALÜE		
i. pH	MINIMUM	MAXIMU	M MINIMUM 6.0	MAXIMUM 8.9				90	STANDARI	D UNITS			
PART 8 – Mark "X" directly, quantitat	or indirectly but	expressly, in an	effluent limitation	reason to believe is is guideline, you mu discharge. Complet	ist provide the	results of at least	one analysis	for that pollut	ant. For other p	ollutants for	lumn 2a for any pol which you mark co	lutant which is lumn 2a, you	limited either must provide
	2. MARK *X"	1			3. EFFLUENT					JNITS	5. IN	ITAKE (option	al)
1. POLLUTANT	a, b,	a. MAXIMU	M DAILY VALUE	b. MAXIMUM 30 (if avail		c, LONG TERM (if avai		1			a. LONG TERM VAL		
	EVED BELIEVED	(1) CONCENTRAT	ION (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. O ANALYSE			(1) S CONCENTRATIO	N (2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)													
b. Chlorine, Total Residual													
c. Color													
d. Fecal Coliform													
e. Fluoride (16984-48-8)											,		
f. Nitrate-Nitrite (as N)													

EPA Form 3510-2C (8-90)

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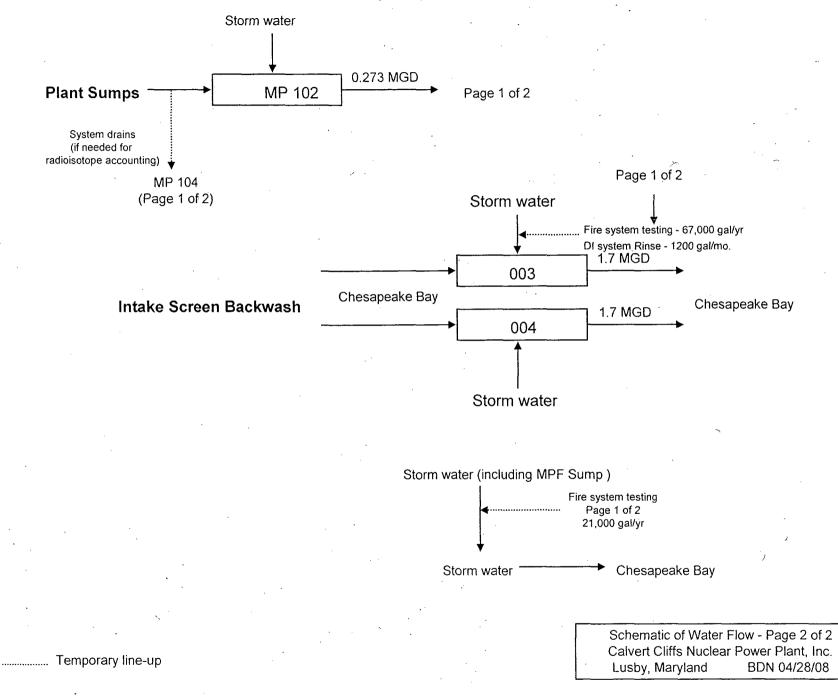
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...... Temporary line-up

Schematic of Water Flow - Page 1 of 2 Calvert Cliffs Nuclear Power Plant, Inc. Lusby, Maryland BDN 04/28/08



ENCLOSURE (3)

CERTIFICATE OF WORKER'S COMPENSATION INSURANCE

COVERAGE (1 PAGE)

Calvert Cliffs Nuclear Power Plant, Inc. May 29, 2008

Associated Electric & Gas Insurance Services Limited Invacionarias Plaza East Ruheford, NJ 07073 ubin the Certificate Index, This Certificate does not amond, astend or aller the coverage afforded by the policies below. SURED Company Company Associated Electric & Gas Ins Svcs Ltd SURED Concerts Company Associated Electric & Gas Ins Svcs Ltd Company Associated Electric & Gas Ins Svcs Ltd A Company Company Company Exerificate Internet name here in for the policy period indicate. Notwithstanding and exclusions of aum polices. Limits shown may have been reduced by paid daims. Company Exerificate Machine in the policy period indicate. Notwithstanding in the polices below.	Attocide Electric & Case Issurance Services Limited I Maccoling Plaza East Rulented, NJ 97/73 upon the Certificate Holder: The Certificate cores not amend, extend or aller the Company Associated Electric & Gas ins Svos Lid SURED Concentry Rollinons, MD 21622 Company B B Company B Company Company Company Company Company Company Company The Is to certify that the policies of insurance described herein have been issued to the insured named herein for the policy period indicated. Notwithsholing any requirement, term or condition and company Company	<u>ACORD</u> ,,,	CERTIFI	CATE OF	INSURANCE	ISSUE DATE 04/23/2008
East Ruhenford, NJ 07073 COMPANIES AFFORDING COVERACE Company	East Ruherkord, NJ 07073 COMPANIES AFFORDING COVERAGE Company Associated Electric & Gas. Ins Sives Ltd Cathert Cliffs Muckes Power Plant ob Constellation Energy Group. Company 20 Cometany freacontenerge attraction of the countener sequestof the co	Associated Electric & Gas Insurance	Services Limited	upon the Certificate	Holder. This Certificate does not amend.	onfers no rights extend or alter the
SURED Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Glifs Nuclear Plant Glifs Nuclear Plant Plan	NURLED A Canver CBMS Nuclear Power Plant clo Constellation Energy Group. Inc. Company 780 East Prof. Stored. Company Company <	East Rutherford, NJ 07073			COMPANIES AFFORDING COVERAG	GE
Calver Clifs huckes Power Plant do Constellation Energy Group. Inc. 780 East Part Stred. 15h Floor Ballmore, MD 21202 This is to cartify that the policies of insurance described herein have been issued to the insured named herein for the policy period indicated. Notwithstanding any requirement, term or conflion of contract or other document with respect to which this cartificate may be issued or may period indicated. Notwithstanding any requirement, term or conflion of contract or other document with respect to which this cartificate may be issued or may period indicated. Notwithstanding any requirement, term or conflion of contract or other document with respect to which this cartificate may be issued or may period indicated. Notwithstanding any requirement, term or conflion of outperiod indicated. Notwithstanding any requirement, term or conflion of a contract or other document with respect to which this cartificate may be issued or may period. Indicated. Notwithstanding any requirement, term or conflion of a document with respect to which this cartificate may be issued or may period. Indicated. Notwithstanding any requirement, term or conflion of a document with respect to which this cartificate may be issued or may period. Indicated Notwith and the set of the document of the document of the set of the docume	Calver Cliffs Nuclear Power Plant do Constellation Energy Group. Company Comp			Company _{Asso}	ciated Electric & Gas Ins Svcs Ltd	· · · · · ·
Inc. 20 East Prat Street, 16th Floor Baltimore, MD 21202 Company Comp	Inc. St. Balt Part Street, 19th Poor Baltimore, MD 21202 Company C		o Constellation Energy Group.			
D Company E Company E Company E This is to certify that the policies of insurance described herein have been issued to the insured named herein for the policy period indicated. Notwithstanding any requirement, the insurance afforded by paid claims. Precommend General Lability FOLICY NUMBER EFFECTIVE LIMITS OF LABILITY Command General Lability EXCH OCCURRENCE \$ Command General Lability FACH OCCURRENCE \$ Command General Lability FIRE DAMAGE \$ Command General Lability FIRE DAMAGE \$ Command General Lability FIRE DAMAGE \$ Command General Lability General Lability \$ Command General Lability Command General Lability \$ Contraction of Machine Sectore \$ \$ General Lability Command General Lability \$ General Lability Command General Lability \$ <tr< td=""><td>Company E Company E</td><td>750 East Pratt Street, 16th Floor</td><td></td><td></td><td></td><td></td></tr<>	Company E	750 East Pratt Street, 16th Floor				
E Control E It is to certify that the policities of insurance described herein have been issued to the insured name been induced by paid dams. Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE LIMITS OF LABILITY Image: the policy of insurance afforded by paid dams. EFFETIVE S Image: the policy of insurance afforded by paid dams. EFFETIVE S Image: the policy of insurance afforded by paid dams. <t< td=""><td>E This is to certify that the policies of insurance described herein have bene issued to the the insured named herein for the policy specied indicated. Notwithshanding any requirement, there insurance therein have been issued to the the insured name herein for the policy specied indicated. Notwithshanding any requirement, there insurance therein have been equal to the insure the</td><td></td><td></td><td></td><td></td><td></td></t<>	E This is to certify that the policies of insurance described herein have bene issued to the the insured named herein for the policy specied indicated. Notwithshanding any requirement, there insurance therein have been issued to the the insured name herein for the policy specied indicated. Notwithshanding any requirement, there insurance therein have been equal to the insure the					
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ENCLOSURE (4)

GENERAL PERMIT FOR STORM WATER DISCHARGES (4 PAGES)

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MARYLAND DEPARTMENT OF THE ENVIRONMENT 1800 Washington Blvd. ● Baltimore Maryland 21230 (410) 537-3000 ● 1-800-633-6101 ● http://www.mde.state.md.us

WASTEWATER PERMITS PROGRAM

GENERAL PERMIT FOR STORM WATER DISCHARGES

GENERAL PERMIT NO. 02-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) 537-3634. The NOI is not complete without fee payment (State and local government exempt), a map, and this form. An original signature is required on page 3.

SECTION I. FACILITY OPERATOR

Name (Legal name of entity): Calv	vert Cliffs Nuclear Power Plant,	Inc.
Mailing Address: 1650 Calvert Cliff	fs Parkway	
City: Lusby	State: MD	ZIP: <u>20657</u>
Contact Person: Douglas R. Baude	er Telephone	(410) 495-5205
Type of Operator: Private $_$	FederalState/I	ocal
Federal Tax Identification Number:	52-2217-429	
Worker's Compensation Insurance	Policy or binder number: <u>CO2</u>	08A1A07
Insurance Company Associated El	ectric & Gas Ins. Svcs. Ltd.	
If facility was registered under 97S	N, enter registration number _	¥
Is this facility currently covered und	er other NPDES permits? $_ $	Yes No
If yes, provide the permit number of	r registration number for other	permits.
02-DP-0187 MD00	002399	

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SECTION II. FACILITY LOCATION INFORMATION
Facility Name: Calvert Cliffs Nuclear Power Plant, Inc.
Mailing Address: <u>1650 Calvert Cliffs Parkway</u>
City: Lusby County: Calvert State: MD ZIP: 20657
The approximate center of the facility to the nearest 15 seconds:
Latitude: <u>38 25 50</u> Longitude: <u>76 26 40</u>
Name of Receiving Water(s): <u>Chesapeake Bay</u>
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): <u>N/A</u>
*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: <u>300</u>
Give one four-digit SIC code that best represents the principal products or activities provided by the facility: <u>4911</u>
Written description of industrial activity taking place <u>Nuclear Powered Steam – electric</u> power plant
Is storm water quality data available? YesNo_If yes, attach a summary of data.
SECTION III. REQUIRED NOI FEE
Required NOI fee - Check one:
A. Standard Fee: \$550 single fee payable in advance or annual \$120 payments beginning with the submission of the NOI application and every July 1 thereafter beginning 2003 (total fee of \$600).
Enclosed is the full payment of \$550.
Enclosed is the first payment of \$ 120.

B. Check if State or local government _____ (no fee). No fee required per e-mail from John McGillen, May 7, 2008.

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C. Fee for facilities beginning operation after December 2002:

1. Month and year facility began operating:

2. Number of months between 12-1-02 and above date:

3. Enclosed is

____ Full payment of the prorated fee of \$ _____, calculated as follows (to the nearest dollar):

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

First payment of \$120. (Your next annual payment will be prorated by MDE.)

SECTION IV. CERTIFICATION

TTY Users 1-800-735-2258

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: James A. S	pina		
Title: <u>Vice President</u> Signature:	6/4	Date: _/	127/25
	SIGNATURE, FEE	, and MAP REQUIRED	
For proper credit, do not re	eturn application fee	e without this form completed.	
Mail to Maryland Departm	ent of the Environm	ent, P.O. Box 2057, Baltimore, MD) 21203-2057
For MDE use:			
Facility #	_Receipt #	Date	N
PCA 13710 Object 5707	Suffix 406		
Form Number: MDE/WMA/PER	.004		Page 3 of 4
Revision Date: May 29, 2003			Recycled Paper

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.

<u>Anne Arundel County</u> – Richard Olson, Department of Public Works, Bureau of Highways, Infrastructure Management Division, MS#3223, 1 Harry S. Truman Parkway, Annapolis, MD 21401 (410-222-7973)

<u>Baltimore City</u> – William Stack, Water Quality Management, City of Baltimore, 3001 Druid Park Drive, Baltimore, MD 21215 (410-396-0732)

<u>Baltimore County</u> – Steve Stewart, NPDES Storm Water Program, Department of Environmental Protection and Resource Management, 401 Bosley Avenue, Suite 416, Towson, MD 21204 (410887-4488)

<u>Carroll County</u> – Jim Slater, Department of Public Works, 225 North Center Street, Westminster, MD 21157-5194 (410-386-2035)

<u>Charles County</u> – Karen Wiggen, Planning & Growth Management, Development Services, Post Office Box 2150, La Plata, MD 20646 (301-645-0683)

<u>Frederick County</u> – Shannon Moore, Department of Public Works, 118 N. Market Street, Frederick, MD 21701 (410-694-1413)

<u>Harford County</u> – Christine Buckley, Bureau of Water Resources Engineering, Department of Public Works, 220 South Main Street, Bel Air, MD 21014 (410-638-3545)

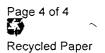
<u>Howard County</u> – Howard Saltzman, Department of Public Works, Stormwater Management Division, 6751 Columbia Gateway Drive #514, Columbia, MD 21046 (410-313-6416)

<u>Montgomery County</u> – Cameron Wiegand, Department of Environmental Protection, Watershed Management Division, 255 Rockville Pike, Suite 120, Rockville, MD 20850 (240-777-7736)

Prince George's County – Larry Coffman, Programs and Planning Division, Department of Environmental Resources, 9400 Peppercorn Place, Sixth Floor, Largo, MD 20774 (301-883-5836)

<u>State Highway Administration</u> – Sonal Sanghavi, Highway Hydraulics Division, Maryland State Highway Administration, 707 North Calvert Street, Baltimore, MD 21202 (410-545-8414)

Form Number: MDE/WMA/PER.004 Revision Date: May 29, 2003 TTY Users 1-800-735-2258



ENCLOSURE (5)

WASTEWATER DISCHARGE PERMIT APPLICATION SUPPLEMENT:

INDUSTRIAL WASTEWATER TREATMENT PLANT CLASSIFICATION

(2 PAGES)

1800 Washington Blvd. ● Baltimore Maryland 21230 (410) 537-3000 ● 1-800-633-6101 ● http://www.mde.state.md.us

WASTEWATER DISCHARGE PERMIT APPLICATION SUPPLEMENT: <u>INDUSTRIAL WASTEWATER TREATMENT PLANT CLASSIFICATION</u>

[1] Name of facility: <u>Calvert Cliffs Nuclear Power Plant</u>, Inc.

[2] Current State Discharge Permit Number (for renewals only): <u>02-DP-0187</u>

[3] What is the current classification of your industrial wastewater treatment system? *Please* refer to the attached table (<u>Table 1</u>, <u>Classification Of Industrial Wastewater Treatment</u> <u>Plants</u>) 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 Waste Water - Class 1

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

[] Certified Operator Not Needed

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INDUSTRIAL WASTE WATER 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 <u>not</u> 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

Form Number: MDE/WMA/PER.064

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