



Interoffice Communication

To R. D. Gamblin
From J. A. DeBernardi
Date June 30, 1981
Subject Capital AFE for Secondary Flood Prevention Revisions

The following criteria have been met for the subject AFE.

- 1) The project cost of \$383,000 is based on a CED definitive estimate and includes an escalation allowance.
- 2) Funds will be committed for this project immediately after approval.
- 3) The only expense associated with this project is \$3,600 in sales tax.
- 4) Project completion is estimated to be six months after AFE approval.
- 5) No additional operating costs will be incurred because of this project.

This project was approved as Item V-4 in the 1981 Capital Budget. The new levee and pumpout system will remove the Secondary System from the 100-year flood plain.

Compliance with the Federal Resource Conservation and Recovery Act (RCRA) regulations and the State of Louisiana Department of Natural Resources (DNA) regulations which require the system to be maintained outside the 100-year flood plain will then be achieved.

A handwritten signature in dark ink, appearing to read "J. A. DeBernardi", with a stylized, cursive script.

J. A. DeBernardi

kf
CC: JWW-JRH-GLF-JHB

CCR 000067084

CONFIDENTIAL

RF

Lake Charles VCM Plant

CERTIFIED MAIL #8094929
RETURN RECEIPT REQUESTED

Conoco Chemicals Company
A Division of Conoco Inc.
P O. Box 605
Westlake, Louisiana 70669
(318) 491-5211

June 22, 1981

Mr. Oscar Cabra
Permit Contact
U.S. Environmental Protection Agency
Permit and Support Branch
1201 Elm Street
Dallas, TX 75270

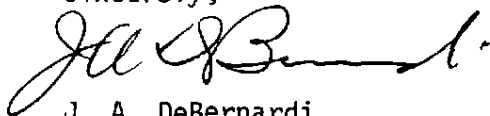
Dear Mr. Cabra:

By submittal of the attached analytical data for Item V, Parts A, B and C of the Environmental Protection Agency Consolidated Permit, Application Form 2C, the Conoco Chemicals Company VCM Plant is applying for permit authorization to continue discharging wastewater under the National Pollutant Discharge Elimination System (NPDES) as required by the Clean Water Act. The attached information supplements the previously submitted Environmental Protection Agency Application Form 1 and Form 2C, Items I-IV, which were submitted for the VCM Plant on March 25, 1981.

The VCM Plant's NPDES Permit (LA 0003476) expired March 31, 1981. However, permission to delay submission of the Consolidated Permit Application Form 2C, Item V, Parts A, B and C until June 30, 1981 was granted by your office in a letter dated January 8, 1981.

Should any additional information be required, please contact Gary L. Foshee, Chief Process Engineer, at (318) 491-5062.

Sincerely,



J. A. DeBernardi
Plant Manager

br
CC:
J. Dale Givens - DNR
BCC:
RDG-CRH-BIR-RLH-GLF-PLF-DLD-JWW-JCL-GSH

CCR 000067085

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	B. BE- LOW- EST	D. BE- LOW- EST	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL- YSES	A. CONCENTRATION	B. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
g. Nitrogen, Total Organic (as N)	X		0.08	0.29	N/A	N/A	N/A	N/A	1	PPM	Lbs.				
h. Oil and Grease	X		0.8	2.9	N/A	N/A	N/A	N/A	1	PPM	Lbs.				
i. Phosphorus (as P), Total (723 14 0)	X		1.17	4.2	N/A	N/A	N/A	N/A	1	PPM	Lbs.				
j. Radioactivity															
(1) Alpha, Total		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
(2) Beta, Total		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
(3) Radium, Total	X		.0010 + .00075	0.000006	N/A	N/A	N/A	N/A	1	PPB	Lbs.				
(4) Radium 226, Total	X		.0007 + .00056	0.000004	N/A	N/A	N/A	N/A	1	PPB	Lbs.				
k. Sulfate (as SO ₄) (14808 79-8)	X		167	597	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
l. Sulfide (as S)	X		0.09	0.32	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
m. Sulfite (as SO ₃) (14265 45-3)	X		2	7.18	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
n. Surfactants	X		60	0.35	N/A	N/A	N/A	N/A	2	PPB	Lbs.				
o. Aluminum, Total (7429 90-5)		X	ND	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A				
p. Barium, Total (7440 39-3)	X		0.21	1.25	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
q. Boron, Total (7440 42-8)		X	ND	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A				
r. Cobalt, Total (7440 48-4)		X	ND	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A				
s. Iron, Total (7439 89-6)	X		0.51	3.04	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
t. Magnesium, Total (7439 95-4)	X		54.9	327	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
u. Molybdenum, Total (7439 98-7)		X	ND	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A				
v. Manganese, Total (7439 96-5)	X		0.3	1.77	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
w. Tin, Total (7440 31-5)	X		0.02	0.12	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
x. Titanium, Total (7440 32-6)		X	ND	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A				

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CONTINUED FROM THE FRONT															
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED (if available)	B. RECEIVED PRESENT	C. RECEIVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
2V. Acrylonitrile (107-13-1)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
3V. Benzene (71-43-2)	X			9	29.1	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
4V. Bis (Chloromethyl) Ether (542-88-1)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
5V. Bromoform (75-25-2)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
6V. Carbon Tetrachloride (56-23-5)	X			1	3.23	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
7V. Chlorobenzene (108-90-7)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
8V. Chlorodibromomethane (124-48-1)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
9V. Chloroethane (75-00-3)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
11V. Chloroform (67-66-3)	X			120	388	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
12V. Dichlorobromomethane (75-27-4)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
13V. Dichlorodifluoromethane (75-71-8)	X			1	3.23	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
14V. 1,1-Dichloroethane (75-34-3)	X			11	35.6	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
15V. 1,2-Dichloroethane (107-06-2)	X			235	760	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
16V. 1,1-Dichloroethylene (75-35-4)	X			3	9.7	N/A	N/A	N/A	N/A	4	PPM	Lbs.			
17V. 1,2-Dichloropropane (78-87-5)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
18V. 1,2-Dichloropropylene (542-75-6)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
19V. Ethylbenzene (111-21-4)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
20V. Methyl Bromide (74-83-9)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
21V. Methyl Chloride (74-87-3)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST IND. BE-QUIP. LN.	B. BE-LIQUIDED PULV. SENT	C. BE-LIQUIDED AS SENT	D. MAXIMUM DAILY VALUE		E. MAXIMUM 30 DAY VALUE (if available)		F. LONG TERM AVRG. VALUE (if available)		G. NO. OF ANAL-YSES	H. CONCENTRATION	I. MASS	J. LONG TERM AVERAGE VALUE		K. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
2B. Acenaphthylene (208-96-8)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
3B. Anthracene (120-12-7)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
4B. Benzidine (92-87-5)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
5B. Benzo (a) Anthracene (56-55-3)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
6B. Benzo (a) Pyrene (50-32-8)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
8B. Benzo (ghi) Perylene (191-24-2)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
9B. Benzo (h) Fluoranthene (207-08-9)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X			550	3.24	N/A	N/A	N/A	N/A	4	PPB	Lbs.			
12B. Bis (2-Chloro-isopropyl) Ether (39638-32-9)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X			6	19.4	N/A	N/A	N/A	N/A	4	PPM	Lbs.	(See Note 3)		
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
15B. Butyl Benzyl Phthalate (85-68-7)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
16B. 2-Chloro-naphthalene (91-58-7)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
18B. Chrysene (218-01-9)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
19B. Dibenzo (a,h) Anthracene (52-70-3)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
20B. 1,2-Dichloro-benzene (95-50-1)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
21B. 1,3-Dichloro-benzene (541-73-1)				ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			

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CONTINUED FROM THE FRONT															
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST- ING. REQ. QUR. LAB.	B. DE- LIVER- PHAL- SENT	C. DE- LIVER- VAC. AB- SENT	8. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		E. LONG TERM AVG. VALUE (if available)		G. NO. OF ANAL- YSES	A. CONCENTRATION	B. MASS	8. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
44B. Phenanthrene (85-01-8)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
45B. Pyrene (129-00-0)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
46B. 1,2,4 - Tri-chlorobenzene (120-82-1)	X			ND	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
2P. α-BHC (319-84-6)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
3P. β-BHC (319-85-7)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
4P. γ-BHC (58-89-9)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
5P. δ-BHC (319-86-8)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
6P. Chlordane (57-74-9)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
7P. 4,4'-DDT (50-29-3)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
8P. 4,4'-DDE (72-55-9)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
9P. 4,4'-DDD (72-54-8)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
10P. Dieldrin (60-57-1)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
11P. α-Endosulfan (115-29-7)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
12P. β-Endosulfan (115-29-7)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
13P. Endosulfan Sulfate (1031-07-8)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
14P. Endrin (72-20-8)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
15P. Endrin Aldehyde (7421-93-4)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
16P. Heptachlor (76-44-8)				ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			

CCR 000067093

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
LA 0003476	201

CONTINUED FROM PAGE V-8

Form Approved OMB No. 158-R0173

CONTINUED FROM PAGE 48															
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. PRESENT OR GUAR- ANTEED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	8. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	8. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
18P. PCB-1242 (53469-21-9)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
19P. PCB-1254 (11097-69-1)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
20P. PCB-1221 (11104-28-2)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
21P. PCB-1232 (11141-16-5)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
22P. PCB-1248 (12672-29-6)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
23P. PCB-1260 (11036-82-5)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
24P. PCB-1016 (12674-11-2)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
25P. Toxaphene (8001-36-2)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			

EPA Form 3510-2C (6-80)

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CCR 000067094

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. RECEIVED PRE-SENT	b. RECEIVED AS-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL-YES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL-YES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
g. Nitrogen, Total Organic (as N)	X		43	10.4	N/A	N/A	N/A	N/A	1	PPM	Lbs.				
h. Oil and Grease	X		0.2	0.048	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
i. Phosphorus (as P), Total (7723-14-0)	X		2.3	0.56	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
j. Radioactivity															
(1) Alpha, Total		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
(2) Beta, Total		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
(3) Radium, Total	X		.0075 ± .0017	0.000044	N/A	N/A	N/A	N/A	1	PPB	Lbs.				
(4) Radium 226, Total	X		.0079 ± .0008	0.000046	N/A	N/A	N/A	N/A	1	PPB	Lbs.				
k. Sulfate (as SO ₄) (14808-79-8)	X		55	13.3	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
l. Sulfide (as S)		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
m. Sulfite (as SO ₃) (14265-45-3)		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
n. Surfactants	X		0.15	0.036	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
o. Aluminum, Total (7429-90-5)	X		2.6	0.63	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
p. Barium, Total (7440-39-3)	X		8.5	2.05	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
q. Boron, Total (7440-42-8)		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
r. Cobalt, Total (7440-48-4)	X		1.6	0.39	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
s. Iron, Total (7439-89-6)	X		8.8	2.13	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
t. Magnesium, Total (7439-95-4)	X		117	28.3	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
u. Molybdenum, Total (7439-98-7)	X		0.39	0.094	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
v. Manganese, Total (7439-6-5)	X		7.2	1.74	N/A	N/A	N/A	N/A	2	PPM	Lbs.				
w. Tin, Total (7440-31-5)		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				
x. Titanium, Total (7440-32-6)		X	ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A				

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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, non-process wastewater outfalls, and non-required 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 to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (*all seven pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	A. CONCENTRATION	B. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			1.87	0.45	N/A	N/A	N/A	N/A	2	PPM	Lbs.			
2M. Arsenic, Total (7440-38-2)	X			0.005	0.0001	N/A	N/A	N/A	N/A	1	PPM	Lbs.			
3M. Beryllium, Total, 7440-41-7)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
4M. Cadmium, Total (7440-43-9)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
5M. Chromium, Total (7440-47-3)	X			0.29	0.07	N/A	N/A	N/A	N/A	2	PPM	Lbs.			
6M. Copper, Total (7550-50-8)	X			1.9	0.46	N/A	N/A	N/A	N/A	2	PPM	Lbs.			
7M. Lead, Total (7439-97-6)	X			0.8	0.19	N/A	N/A	N/A	N/A	2	PPM	Lbs.			
8M. Mercury, Total (7439-97-6)	X			0.0023	0.0005	N/A	N/A	N/A	N/A	2	PPM	Lbs.			
9M. Nickel, Total (7440-02-0)	X			1.05	0.25	N/A	N/A	N/A	N/A	2	PPM	Lbs.			
10M. Selenium, Total (7782-49-2)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
11M. Silver, Total (7440-22-4)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
12M. Thallium, Total (7440-28-0)	X			ND	N/A	N/A	N/A	N/A	N/A	1	N/A	N/A			
13M. Zinc, Total (7440-66-6)	X			3.4	0.82	N/A	N/A	N/A	N/A	1	PPM	Lbs.			
14M. Cyanide, Total (57-12-6)	X			3	0.0007	N/A	N/A	N/A	N/A	1	PPB	Lbs.			
15M. Phenols, Total	X			4	0.001	N/A	N/A	N/A	N/A	1	PPB	Lbs.			

DIOXIN

2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)

DESCRIBE RESULTS

X

CONTINUED FROM PAGE V-4

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

CCR 000067099

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT			4. UNITS			5. INTAKE (optional)		6. NO. OF ANAL YSES
	UNIT	PRELIMINARY	TEST	MAXIMUM DAILY VALUE (if available)	MAXIMUM 30 DAY VALUE (if available)	CONCENTRATION	CONCENTRATION	CONCENTRATION	CONCENTRATION	LONG TERM AVERAGE VALUE (if available)	LONG TERM AVERAGE VALUE (if available)	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS												
22B. 1,4-Dichlorobenzene (106-46-7)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
24B. Diethyl Phthalate (84-66-2)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
25B. Dimethyl Phthalate (131-11-3)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
26B. Di-N-Butyl Phthalate (84-74-2)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
27B. 2,4-Dinitrotoluene (121-14-2)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
28B. 2,6-Dinitrotoluene (606-20-2)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
29B. Di-N-Octyl Phthalate (117-84-0)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
31B. Fluoranthene (206-44-0)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
32B. Fluorene (86-73-7)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
33B. Hexachlorobenzene (118-71-1)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
34B. Hexachlorobutadiene (87-68-3)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
35B. Hexachlorocyclopentadiene (77-47-4)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
36B. Hexachloroethane (67-72-1)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
38B. Isophorone (78-59-1)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
39B. Naphthalene (91-20-3)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
40B. Nitrobenzene (98-95-3)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
41B. N-Nitrosodimethylamine (62-75-9)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X			ND	N/A	N/A	N/A	N/A	1	N/A	N/A	

CCR 000067101

1. POLLUTANT AND CAS NUMBER (if applicable)	2. MARK 'X'		3. EFFLUENT				4. UNITS		5. INTAKE (optional)		
	ANALYST NAME	DATE SENT	6. MAXIMUM DAILY VALUE		7. LONG TERM AVERAGE VALUE		A. CONCENTRATION	B. MASS	C. LONG TERM AVERAGE VALUE	D. NO. OF ANAL YSES	
			(a) CONCENTRATION	(b) MASS	(a) CONCENTRATION	(b) MASS					(a) CONCENTRATION
GC/MS FRACTION - PESTICIDES (continued)											
17P. Heptachlor Epoxide (102457-3)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
18P. PCB-1242 (53469-21-9)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
19P. PCB-1254 (11097-69-1)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
20P. PCB-1221 (11104-28-2)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
21P. PCB-1232 (11141-16-6)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
22P. PCB-1248 (12672-29-6)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
23P. PCB-1260 (11096-82-5)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
24P. PCB-1016 (12674-11-2)	X		ND	N/A	N/A	N/A	N/A	1	N/A		
25P. Toxaphene (8001-35-2)	X		ND	N/A	N/A	N/A	N/A	1	N/A		

CCR 000067103

NOTES

- 1) Flow value is an estimated maximum flow and is not a measured value.
- 2) Temperatures are not recorded and have thus been assumed to equal the wastewater temperatures discharged from Outfall No. 201.
- 3) It is suspected that this priority pollutant is not actually present in the effluent, but was introduced by the sampling equipment.
- 4) ND - Non-Detectable

CCR 000067104