3M CWA - Ø9

File: Cordova Permit Notebook – NPDES Wastewater Permit IL0003140

D.M. Schnobrich – 223-6S-04
K. Schmuck – Cordova 01/034
K. Ramm – Cordova 01/034 (cover letter only)
P. Thornton – Cordova 01/034 (cover letter only)
L. Zabel – 223-6S-04(cover letter only)
C. Wacker/M. Kemen – 42-2E-27
M.A. Nash – 220-11W-02

ST. Paul EMS File: CORD - A

3M Materials Resource Division

3M Center, Building 0223-06-S-07
St. Paul, MN 55144-1000

3M

August 24, 2007

Mr. Al Keller
Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Re: 3M Cordova Facility: Renewal of NPDES Permit No. IL0003140

Dear Mr. Keller:

Attached is an original and one copy of the NPDES permit renewal application for the 3M Cordova facility.

There are a number of items which 3M wishes to as a part of permit reissuance. In correspondence dated November 2, 2004, 3M notified IEPA of its intention to terminate manufacturing operations of its magnetic oxide manufacturing operations at the site. While this change resulted in a decrease in the amount of wastewater that was being discharged from site it did create concerns with meeting certain concentration limits at Outfall A01. The reasons for this were delineated in the November 2 correspondence. 3M believes that this issue can be adequately addressed through the elimination of concentration based standards for certain constituents at Outfall A01.

In addition to this issue, 3M would like to discuss several of the Special Conditions that are contained in the permit. We would request a meeting with you and/or the permit writer after you have had an opportunity to review the application.

Due to weather conditions and the specific criteria for storm water testing, 3M was unable to collect all information for storm water outfall 002. This data will be submitted to IEPA when weather conditions permit collection of these samples.

If you have any questions regarding this submittal, please contact me at (651) 737-1690.

Sincerely,

Dana Schnobrich
Senior Environmental Specialist

Attachments

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F ILD054236443 D

LABEL ITEMS

I. EPA I.D. NUMBER	ILD054236443
III. FACILITY NAME	3M Cordova
V. FACILITY MAILING ADDRESS	22614 Route 84 North
VI. FACILITY LOCATION	Cordova, Illinois 61254

GENERAL INSTRUCTIONS

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.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge to waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge to waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges to waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		X
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge to waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP 3M Cordova

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 Schmuck, Keith Environmental Engineer	(309) 654-2291

V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX

3 22614 Route 84 North

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 Cordova	IL	61242

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 22614 Route 84 North

B. COUNTY NAME

Rock Island

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 Cordova	IL	61242	NA

EPA Form 3510-1 (8-90)

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

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

A. FIRST	B. SECOND
7 *(specify)*	7 *(specify)*
C. THIRD	**D. FOURTH**
7 *(specify)*	7 *(specify)* See Attachment 1-VII for additional information.

VIII. OPERATOR INFORMATION

A. NAME: 3M Cordova

B. Is the name listed in item VIII-A also the owner? ☑ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other," specify.)*

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P *(specify)*

D. PHONE *(area code & no.)*: A (309) 654-2291

E. STREET OR P.O. BOX: 22614 Route 84 North

F. CITY OR TOWN: Cordova

G. STATE: IL

H. ZIP CODE: 61242

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☑ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*: 9 N IL0003140	D. PSD *(Air Emissions from Proposed Sources)*: 9 P See Attachment 1-X
B. UIC *(Underground Injection of Fluids)*: 9 U	E. OTHER *(specify)*: 9 B0605015 *(specify)* Open Burning Permit, Fire Training
C. RCRA *(Hazardous Wastes)*: 9 R ILD054236443	E. OTHER *(specify)*: 9 *(specify)*

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

This facility manufactures speciality adhesives, coating solutions and performance fluids serving primarily as an internal supplier for other 3M locations.

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
Betty Hawk, Vice President MRD Division	Betty Hawk	8/24/07

COMMENTS FOR OFFICIAL USE ONLY

EPA Form 3510-1 (8-90)

Attachment 1–VII

3M Cordova Supplemental SIC Code Information

North American Standard Industrial Classification Codes

Standard Industrial Classification (SIC) Codes are no longer used to report manufacturing information to the U.S. Census Bureau. This information is currently being reported using the North American Industrial Classification System (NAICS). Data for these reports is developed by 3M's accounting organizations and these determinations may be based on a variety of factors. Provided below is a summary of major NAICS listings for the plant site for the year 2006. These listings account for more than 98% of the sites manufacturing capability when measured in dollars of sales or transfers. The first NAICS code, 325998 accounts for approximately 84% of the sites manufacturing capacity.

325998	All Other Misc. Chemical Product and Preparation Manufacturing
325120	Industrial Gas Manufacturing
325510	Paint and Coating Manufacturing
325199	All Other Basic Organic Chemical Manufacturing

Attachment 1–X

3M Cordova Air Permits

Permit Number	Permit Name	Classification
96030133	Operating Permit [Part 70 Synth. Minor]	Operating
5080038	Wastewater Treatment Plant Cover Installations	Construction
6120030	Replacement of Two Reactors and One Receiver (2041 and 305 System)	Construction/Operating
7020016	Hydrated Lime Storage Silo with Baghouse	Construction
7030007	Salt Waste Tank (BC 30-08)	Construction
7040052	Electrochemical Cellbody Replacements	Construction
7040053	Modification of Reactor System BC-53	Construction

Attachment 1–XI

3M Cordova Site and Topographical Maps

(Includes reference maps for Form 2F, section III)

Reference Maps Attached with Permit Application:

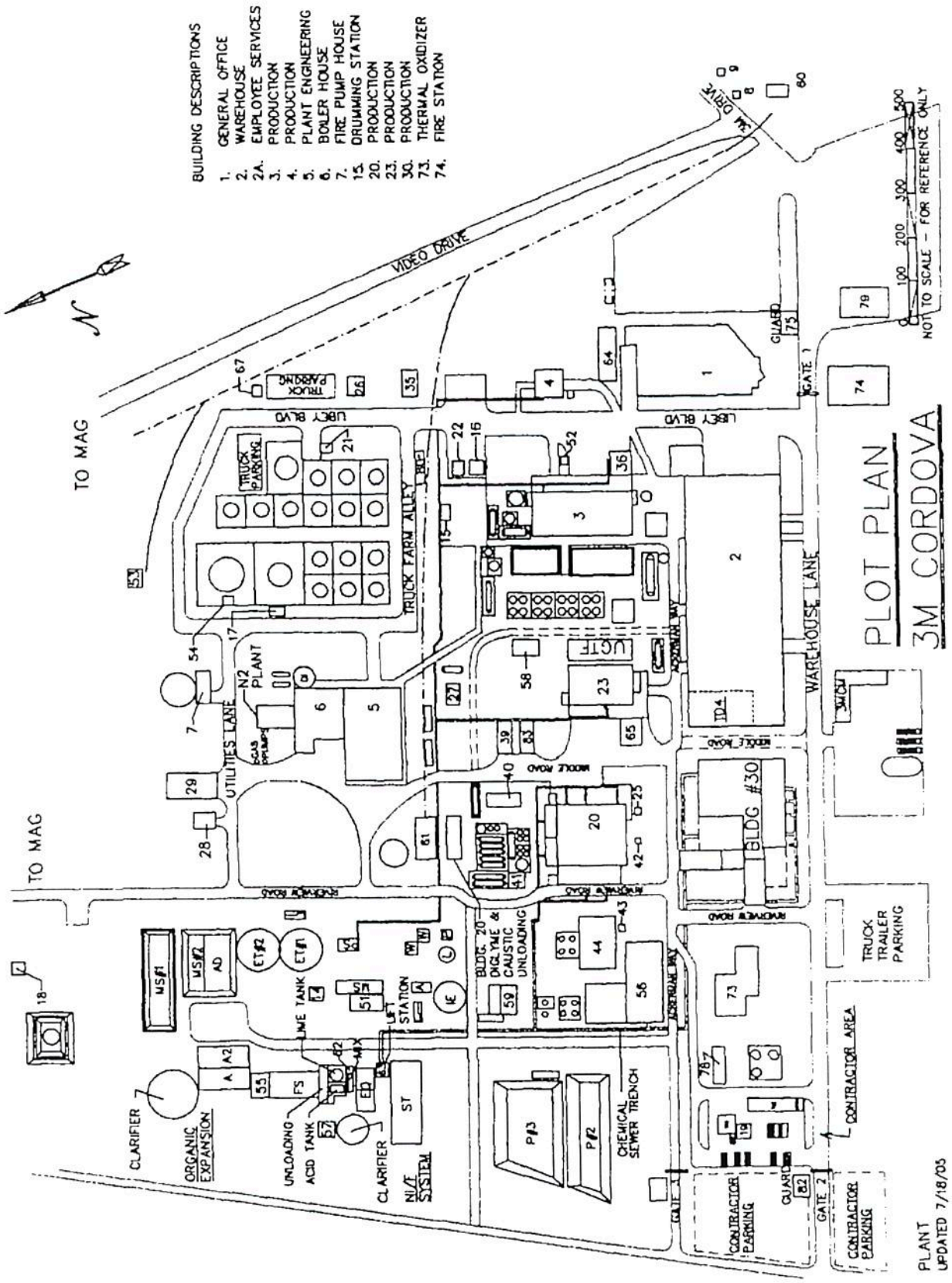
Cordova Plot Plan (7-18-05)
Most recent site layout detailing general facility layout.
Size: 8.5 x 11 (with attachment 1-X1)

CORD-888-C-001, Property Plot Plan
Property layout showing facility, property line and easement information.
Size: 21.5 x 32 (attachment at the end of the application)

CORD-888-C-911, Main Plant Area – Site Drainage Area Map A
Watershed information for the main plant site.
Size: 21.5 x 32 (attachment at the end of the application)

CORD-888-C-915, Main Plant Area – Site Drainage Area Map B
Watershed information for the main plant site.
Size: 21.5 x 32 (attachment at the end of the application)

CORD-888-C-916, Well Field Area – Site Drainage Map
Watershed information for the well field area.
Size: 21.5 x 32 (attachment at the end of the application)


PLOT PLAN
3M CORDOVA
BUILDING DESCRIPTIONS
1. GENERAL OFFICE
2. WAREHOUSE
2A. EMPLOYEE SERVICES
3. PRODUCTION
4. PRODUCTION
5. PLANT ENGINEERING
6. BOILER HOUSE
7. FIRE PUMP HOUSE
15. DRUMMING STATION
20. PRODUCTION
23. PRODUCTION
30. PRODUCTION
73. THERMAL OXIDIZER
74. FIRE STATION
TO MAG
TO MAG
VIDEO DRIVE
VIDEO DRIVE
LIBERTY BLVD
LIBERTY BLVD
TRUCK FARM ALLEY
WAREHOUSE LANE
UTILITIES LANE
TRUCK PARKING
TRUCK PARKING
N2 PLANT
UGTF
BLDG #30
BLDG. 20 DIGLYME & CAUSTIC UNLOADING
TRUCK TRAILER PARKING
CONTRACTOR AREA
CONTRACTOR PARKING
CONTRACTOR PARKING
GATE 1
GATE 2
GUARD
CLARIFIER
ORGANIC EXPANSION
UNLOADING
ACID TANK
CLARIFIER
N/A SYSTEM
LIME TANK
LIFT STATION
CHEMICAL SEWER TRENCH
NOT TO SCALE - FOR REFERENCE ONLY
PLANT UPDATED 7/18/03

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
ILD054236443

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

FORM **2C** NPDES

EPA

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

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG	2. MIN.	3. SEC.	1. DEG	2. MIN	3. SEC.	
001	41.00	45.00	17.00	90.00	17.00	34.00	Mississippi River
A01	41.00	45.00	17.00	90.00	17.00	33.00	Internal discharge point - final
							polishing pond mixes with NCCW.

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

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

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

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Noncontact process water	7.31 MGD + Stormwater	No treatment	NA	NA
A01	Boiler Blowdown	Flows to Organic treatment (2)	Organic treatment system or Inorganic treatment	(2)	(1)
	Sanitary	Flows to Organic treatment (2)	Organic treatment system	(2)	NA
	Organic Manufacturing	Flows to Organic treatment (2)	Organic treatment system	(2)	NA
	FC Manufacturing	Flows to Nickel Fluoride (1)	Nickel Fluoride pretreatment system and	(1)	NA
			Organic treatment system	(2)	NA
	(1) Nickel Fluoride treatment system	0.36 MGD + Stormwater	Equalization	NA	NA
	Operation described in attachment		Neutralization	2-K	NA
	2C-IIB-1		Chemical Precipitation	2-C	NA
			Coagulation/ Flocculation	2-D	1-G
			Sedimentation (then through organic treatment)	1-U	NA
	(2) Organic treatment system	0.82 MGD + Stormwater	Primary sedimentation	1-U	NA
	Operation described in attachment		Equalization	NA	NA
	2C-IIB-2		Activated sludge	3-A	NA
			Secondary sedimentation	1-U	NA
	Attachment: 2C-IIB-4		Polishing ponds/ Stabilization ponds	1-U	3-G
			Aerobic digester	5-A	NA
	(3) Inorganic treatment system	stormwater only at this time	Equalization	NA	NA
	Operation described in attachments		Neutralization	2-K	NA
	2C-IIB-3		Aeration (formerly for iron oxidation)	NA	NA
	(Not in service at this time)		Coagulation/ Flocculation	2-D	1-G
			Sedimentation	1-U	NA
	(4) Sludge Dewatering		Belt Filtration	6-C	NA

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ YES (*complete the following table*) ☑ NO (*go to Section III*)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY a. DAYS PER WEEK (specify average)	3. FREQUENCY b. MONTHS PER YEAR (specify average)	4. FLOW A. FLOW RATE (in mgd) 1. LONG TERM AVERAGE	4. FLOW A. FLOW RATE 2. MAXIMUM DAILY	4. FLOW B. TOTAL VOLUME (specify with units) 1. LONG TERM AVERAGE	4. FLOW B. TOTAL VOLUME 2. MAXIMUM DAILY	4. FLOW C. DURATION (in days)
NA	NA	NA	NA	NA	NA	NA	NA	NA

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES (*complete Item III-B*) ☑ NO (*go to Section IV*)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (*or other measure of operation*)?

☐ YES (*complete Item III-C*) ☑ NO (*go to Section IV*)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	2. AFFECTED OUTFALLS (list outfall numbers)
		See attachment 2C-IIIC - Applicability of Federal Effluent Guidelines and Standards to the 3M Cordova NPDES Discharge	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations 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 a. NO.	2. AFFECTED OUTFALLS b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	4. FINAL COMPLIANCE DATE b. PROJECTED
NA	NA	NA	NA	NA	NA

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may affect your discharges*) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

 CONTINUE ON PAGE 3

EPA I.D. NUMBER (copy from Item 1 of Form 1)
ILD054236443

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
See Attachment 2C-VD	Table 2C-3 Pollutants with Potential to Discharge from 3M Cordova Outfalls		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☑ YES (list all such pollutants below) ☐ NO (go to Item VI-B)

See Attachment 2C-VI-1, Summary of Tentatively Identified Compounds

Also refer to section V Data

CONTINUED FROM THE FRONT

VII BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☑ YES (*identify the test(s) and describe their purposes below*) ☐ NO (*go to Section VIII*)

Special condition 8 of the existing NPDES permit requires the permittee to perform acute toxicity testing on effluent from Outfall 001 semi-annually during the months of March and September. Data is submitted in an annual report due by December 31 of each year.

VIII. CONTRACT ANALYSIS INFORMATION

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

☑ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
Earth Tech, Inc	3033 campus Drive North, Suite 290 Minneapolis, MN 55441	(763) 551-1001	Sample collection for sulfate, fecal coliform, formaldehyde, priority pollutants and metals (except Fe and Ni).
Pace Analytical	1700 Elm Street, Suite 200 Minneapolis, MN 55414	(612) 607-1700	July 2005 to present*
Braun Intec Corporation	11001 Hampshire Avenue South Minneapolis, MN 55438	(952) 995-2000	Jan - Jun 2005*
Test America	2960 Foster Creighton Road Nashville, TN 37204	(800) 765-0980	Formaldehyde
Test America	704 Enterprise Drive Cedar Falls, IA 50613	(800) 750-2401	BOD analysis when in house resources unavailable - Jul & Dec 2005 *sulfate, fecal coliform, priority pollutants and metals(except Fe and Ni).

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (*type or print*)	B. PHONE NO. (*area code & no.*)
Betty Hawk, Vice President MRD Division	(651) 733-2008
C. SIGNATURE Betty M Hawk	D. DATE SIGNED 8/24/07

EPA Form 3510-2C (8-90) PAGE 4 of 4

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 I of Form 1*): ILD054236443

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

OUTFALL NO.: 001

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS (*specify if blank*) a. CONCEN-TRATION	b. MASS	4. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (*BOD*)	29	2054	11	826	7	461	257	mg/l	lb/day			
b. Chemical Oxygen Demand (*COD*)	149	9700	42	2916	32	2163	909	mg/l	lb/day			
c. Total Organic Carbon (*TOC*)	18	1487					1	mg/l	lb/day			
d. Total Suspended Solids (*TSS*)	34	2982	2.1	180	1.1	77	908	mg/l	lb/day			
e. Ammonia (*as N*)	<1	<111	<1	<103	<1	<68	259	mg/l	lb/day			
f. Flow	VALUE 13.3301		VALUE 12.3540		VALUE 8.1258		908	MGD		VALUE		
g. Temperature (*winter*)	VALUE 45.6		VALUE 31.7		VALUE 28.3		452	°C		VALUE		
h. Temperature (*summer*)	VALUE 38.3		VALUE 32.2		VALUE 30		455	°C		VALUE		
i. pH	MINIMUM 3.79	MAXIMUM 7.90	MINIMUM 7.18	MAXIMUM 7.72			907	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" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCEN-TRATION	b. MASS	5. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color	X		6	NA					1	units	NA			
d. Fecal Coliform		X	<10	NA	<10	NA	<4	NA	30	CFU	NA			
e. Fluoride (16984-48-8)	X		5.9	410	2.06	144	1.3	88	908	mg/l	lb/day			
f. Nitrate-Nitrite (as N)	X		5.9	487					1	mg/l	lb/day			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X" a. BELIEVED PRESENT	2. MARK "X" b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)	X		<1.0	NA					1	mg/l	NA			
h. Oil and Grease		X	<5.2	NA					1	mg/l	NA			
i. Phosphorus (as P), Total (7723-14-0)	X		0.17	14					1	mg/l	NA			
j. Radioactivity														
(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		1800*	107,861	274	19584	228	15453	29	mg/l	lb/day	*Suspect an A01 sample was mislabeled and analyzed as an 001 sample.		
l. Sulfide (as S)		X												
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants	X		<0.20	NA					1	mg/l	NA			
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)	X		45.5	NA					1	ug/l	NA			
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)	X		<10	NA					1	ug/l	NA			
s. Iron, Total (7439-89-6)	X		0.94	44.16	0.23	12.44	0.06	4.11	264	mg/l	lb/day			
t. Magnesium, Total (7439-95-4)	X		18	1439					1	mg/l	lb/day			
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)	X		<0.005	<0.3533	<0.005	<0.4207	<0.005	<0.3389	2	mg/l	lb/day			
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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CONTINUE ON PAGE V-3

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
ILD054236443	001

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM 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	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X	X		<10	NA					1	ug/l	NA			
2M. Arsenic, Total (7440-38-2)	X	X		<10	NA					1	ug/l	NA			
3M. Beryllium, Total (7440-41-7)	X		X	<5	NA					1	ug/l	NA			
4M. Cadmium, Total (7440-43-9)	X	X		<1	NA					1	ug/l	NA			
5M. Chromium, Total (7440-47-3)	X	X		<10	NA					1	ug/l	NA			
6M. Copper, Total (7440-50-8)	X	X		<10	NA					1	ug/l	NA			
7M. Lead, Total (7439-92-1)	X	X		<3	NA					1	ug/l	NA			
8M. Mercury, Total (7439-97-6)	X	X		<0.02	NA					2	mg/l	NA			
9M. Nickel, Total (7440-02-0)	X	X		0.59	52.75	0.00744	7.23	0.0138	0.93	267	mg/l	lb/day			
10M. Selenium, Total (7782-49-2)	X	X		21.5	1.72					1	ug/l	lb/day			
11M. Silver, Total (7440-22-4)	X		X	<10	NA					1	ug/l	lb/day			
12M. Thallium, Total (7440-28-0)	X	X		15.9	1.27					1	ug/l	lb/day			
13M. Zinc, Total (7440-66-6)	X	X		<20	NA					1	ug/l	NA			
14M. Cyanide, Total (57-12-5)	X		X	<0.01	NA					2	mg/l	NA			
15M. Phenols, Total	X		X	<0.0102	NA					1	mg/l	NA			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS 3M Cordova does not manufacture any of the compounds identified in Part V-C of the Form 2c Instructions.											

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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 – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<5	NA					1	ug/l	NA			
2V. Acrylonitrile (107-13-1)	X		X	<5	NA					1	ug/l	NA			
3V. Benzene (71-43-2)	X		X	<1	NA					1	ug/l	NA			
4V. Bis (Chloro-methyl) Ether (542-88-1)	X		X							1	A Volatile TIC analysis was analyzed and compound 4V was not detected.				
5V. Bromoform (75-25-2)	X		X	<4	NA					1	ug/l	NA			
6V. Carbon Tetrachloride (56-23-5)	X		X	<1	NA					1	ug/l	NA			
7V. Chlorobenzene (108-90-7)	X		X	<1	NA					1	ug/l	NA			
8V. Chlorodi-bromomethane (124-48-1)	X		X	<1	NA					1	ug/l	NA			
9V. Chloroethane (75-00-3)	X		X	<1	NA					1	ug/l	NA			
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	X		X	<5	NA					1	ug/l	NA			
11V. Chloroform (67-66-3)	X	X		<1	NA					1	ug/l	NA			
12V. Dichloro-bromomethane (75-27-4)	X		X	<1	NA					1	ug/l	NA			
13V. Dichloro-difluoromethane (75-71-8)	X	X		<1	NA					1	ug/l	NA			
14V. 1,1-Dichloro-ethane (75-34-3)	X		X	<1	NA					1	ug/l	NA			
15V. 1,2-Dichloro-ethane (107-06-2)	X		X	<1	NA					1	ug/l	NA			
16V. 1,1-Dichloro-ethylene (75-35-4)	X		X	<1	NA					1	ug/l	NA			
17V. 1,2-Dichloro-propane (78-87-5)	X		X	<1	NA					1	ug/l	NA			
18V. 1,3-Dichloro-propylene (542-75-6)	X		X	<1	NA					1	ug/l	NA			
19V. Ethylbenzene (100-41-4)	X		X	<1	NA					1	ug/l	NA			
20V. Methyl Bromide (74-83-9)	X		X	<1	NA					1	ug/l	NA			
21V. Methyl Chloride (74-87-3)	X		X	<1	NA					1	ug/l	NA			

CONTINUE ON PAGE V-5

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	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 – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X	X		<4	NA					1	ug/l	NA			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<1	NA					1	ug/l	NA			
24V. Tetrachloro-ethylene (127-18-4)	X		X	<1	NA					1	ug/l	NA			
25V. Toluene (108-88-3)	X		X	<1	NA					1	ug/l	NA			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<1	NA					1	ug/l	NA			
27V. 1,1,1-Trichloro-ethane (71-55-6)	X		X	<1	NA					1	ug/l	NA			
28V. 1,1,2-Trichloro-ethane (79-00-5)	X		X	<1	NA					1	ug/l	NA			
29V Trichloro-ethylene (79-01-6)	X		X	<1	NA					1	ug/l	NA			
30V. Trichloro-fluoromethane (75-69-4)	X		X	<1	NA					1	ug/l	NA			
31V. Vinyl Chloride (75-01-4)	X		X	<1	NA					1	ug/l	NA			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.0102	NA					1	mg/l	NA			
2A. 2,4-Dichloro-phenol (120-83-2)	X		X	<0.0102	NA					1	mg/l	NA			
3A. 2,4-Dimethyl-phenol (105-67-9)	X		X	<0.0102	NA					1	mg/l	NA			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.0508	NA					1	mg/l	NA			
5A. 2,4-Dinitro-phenol (51-28-5)	X		X	<0.0508	NA					1	mg/l	NA			
6A. 2-Nitrophenol (88-75-5)	X		X	<0.0102	NA					1	mg/l	NA			
7A. 4-Nitrophenol (100-02-7)	X		X	<0.0508	NA					1	mg/l	NA			
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.0102	NA					1	mg/l	NA			
9A. Pentachloro-phenol (87-86-5)	X		X	<0.0234	NA					1	mg/l	NA			
10A. Phenol (108-95-2)	X		X	<0.0102	NA					1	mg/l	NA			
11A. 2,4,6-Trichloro-phenol (88-05-2)	X		X	<0.0102	NA					1	mg/l	NA			

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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		X	<0.0102	NA					1	mg/l	NA			
2B. Acenaphtylene (208-96-8)	X		X	<0.0102	NA					1	mg/l	NA			
3B. Anthracene (120-12-7)	X		X	<0.0102	NA					1	mg/l	NA			
4B. Benzidine (92-87-5)	X		X	<0.0508	NA					1	mg/l	NA			
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.0102	NA					1	mg/l	NA			
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.0102	NA					1	mg/l	NA			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X		X	<0.0102	NA					1	mg/l	NA			
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.0102	NA					1	mg/l	NA			
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.0102	NA					1	mg/l	NA			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.0102	NA					1	mg/l	NA			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X		X	<0.0102	NA					1	mg/l	NA			
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X		X	<0.0102	NA					1	mg/l	NA			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X		X	<0.0102	NA					1	mg/l	NA			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.0102	NA					1	mg/l	NA			
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.0102	NA					1	mg/l	NA			
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.0102	NA					1	mg/l	NA			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.0102	NA					1	mg/l	NA			
18B. Chrysene (218-01-9)	X		X	<0.0102	NA					1	mg/l	NA			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.0102	NA					1	mg/l	NA			
20B. 1,2-Dichloro-benzene (95-50-1)	X		X	<0.0102	NA					1	mg/l	NA			
21B. 1,3-Di-chloro-benzene (541-73-1)	X		X	<0.0102	NA					1	mg/l	NA			

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CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.0102	NA					1	mg/l	NA			
23B. 3,3-Dichlorobenzidine (91-94-1)	X		X	<0.0203	NA					1	mg/l	NA			
24B. Diethyl Phthalate (84-66-2)	X		X	<0.0102	NA					1	mg/l	NA			
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.0102	NA					1	mg/l	NA			
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.0102	NA					1	mg/l	NA			
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.0102	NA					1	mg/l	NA			
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.0102	NA					1	mg/l	NA			
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.0102	NA					1	mg/l	NA			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X	<0.0102	NA					1	mg/l	NA			
31B. Fluoranthene (206-44-0)	X		X	<0.0102	NA					1	mg/l	NA			
32B. Fluorene (86-73-7)	X		X	<0.0102	NA					1	mg/l	NA			
33B. Hexachlorobenzene (118-74-1)	X		X	<0.0102	NA					1	mg/l	NA			
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.0102	NA					1	mg/l	NA			
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.0508	NA					1	mg/l	NA			
36B Hexachloroethane (67-72-1)	X		X	<0.0102	NA					1	mg/l	NA			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.0102	NA					1	mg/l	NA			
38B. Isophorone (78-59-1)	X	X		<0.0102	NA					1	mg/l	NA			
39B. Naphthalene (91-20-3)	X		X	<0.0102	NA					1	mg/l	NA			
40B. Nitrobenzene (98-95-3)	X		X	<0.0102	NA					1	mg/l	NA			
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.0102	NA					1	mg/l	NA			
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	<0.0102	NA					1	mg/l	NA			

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X		X	<0.0102	NA					1	mg/l	NA			
44B. Phenanthrene (85-01-8)	X		X	<0.0102	NA					1	mg/l	NA			
45B. Pyrene (129-00-0)	X		X	<0.0102	NA					1	mg/l	NA			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.0102	NA					1	mg/l	NA			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X		X	<0.05	NA					1	ug/l	NA			
2P. α-BHC (319-84-6)	X		X	<0.05	NA					1	ug/l	NA			
3P. β-BHC (319-85-7)	X	X		<0.05	NA					1	ug/l	NA			
4P. γ-BHC (58-89-9)	X		X	<0.05	NA					1	ug/l	NA			
5P. δ-BHC (319-86-8)	X		X	<0.05	NA					1	ug/l	NA			
6P. Chlordane (57-74-9)	X		X	<0.05	NA					1	ug/l	NA			
7P. 4,4'-DDT (50-29-3)	X		X	<0.099	NA					1	ug/l	NA			
8P. 4,4'-DDE (72-55-9)	X		X	<0.099	NA					1	ug/l	NA			
9P. 4,4'-DDD (72-54-8)	X		X	<0.099	NA					1	ug/l	NA			
10P. Dieldrin (60-57-1)	X		X	<0.099	NA					1	ug/l	NA			
11P. α-Endosulfan (115-29-7)	X		X	<0.05	NA					1	ug/l	NA			
12P. β-Endosulfan (115-29-7)	X		X	<0.099	NA					1	ug/l	NA			
13P. Endosulfan Sulfate (1031-07-8)	X		X	<0.099	NA					1	ug/l	NA			
14P. Endrin (72-20-8)	X		X	<0.099	NA					1	ug/l	NA			
15P. Endrin Aldehyde (7421-93-4)	X		X	<0.099	NA					1	ug/l	NA			
16P. Heptachlor (76-44-8)	X		X	<0.05	NA					1	ug/l	NA			

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EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
ILD054236443	001

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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)	X		X	<0.05	NA					1	ug/l	NA			
18P. PCB-1242 (53469-21-9)	X		X	<0.1	NA					1	ug/l	NA			
19P. PCB-1254 (11097-69-1)	X		X	<0.1	NA					1	ug/l	NA			
20P. PCB-1221 (11104-28-2)	X		X	<0.1	NA					1	ug/l	NA			
21P. PCB-1232 (11141-16-5)	X		X	<0.1	NA					1	ug/l	NA			
22P. PCB-1248 (12672-29-6)	X		X	<0.1	NA					1	ug/l	NA			
23P. PCB-1260 (11096-82-5)	X		X	<0.1	NA					1	ug/l	NA			
24P. PCB-1016 (12674-11-2)	X		X	<0.1	NA					1	ug/l	NA			
25P. Toxaphene (8001-35-2)	X		X	<3	NA					1	ug/l	NA			

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*): ILD054236443

OUTFALL NO.: A01

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 a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS (*specify if blank*) a. CONCENTRATION	b. MASS	4. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (*BOD*)	195	1131	104	652	32	209	650	mg/l	lb/day			
b. Chemical Oxygen Demand (*COD*)	1048	9443	795	5384	613	4173	909	mg/l	lb/day			
c. Total Organic Carbon (*TOC*)	420	4281					1	mg/l	lb/day			
d. Total Suspended Solids (*TSS*)	170	1097	30	213	20	135	909	mg/l	lb/day			
e. Ammonia (*as N*)	23.52	165	13.58	106	2.88	20	258	mg/l	lb/day			
f. Flow	VALUE 1.4773		VALUE 1.0570		VALUE 0.8233		908	MGD		VALUE		
g. Temperature (*winter*)	VALUE 27.8		VALUE 24.4		VALUE 22.8		450	°C		VALUE		
h. Temperature (*summer*)	VALUE 31.7		VALUE 29.4		VALUE 26.7		454	°C		VALUE		
i. pH	MINIMUM 6.09	MAXIMUM 8.40	MINIMUM 7.24	MAXIMUM 7.81			906	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" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color	X		140	NA					1	units	NA			
d. Fecal Coliform		X	See	Outfall	001	Results								
e. Fluoride (16984-48-8)	X		46.5	349	32	203	18.58	128	909	mg/l	lb/day			
f. Nitrate-Nitrite (*as N*)	X		<0.10	NA					1	mg/l	NA			

CONTINUE ON REVERSE

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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	
g. Nitrogen, Total Organic (as N)	X		10	102					1	mg/l	lb/day			
h. Oil and Grease		X	<5.2	NA					1	mg/l	NA			
i. Phosphorus (as P), Total (7723-14-0)	X		1.7	17					1	mg/l	lb/day			
j. Radioactivity														
(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		3470	23065			2383	16364	30	mg/l	lb/day			
l. Sulfide (as S)		X												
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants	X		6.1	62					1	mg/l	lb/day			
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)	X		0.0835	0.7361			0.0327	0.224	10	mg/l	lb/day			
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)	X		0.118	1.04			0.0212	0.145	10	mg/l	lb/day			
s. Iron, Total (7439-89-6)	X		7.61	52.34	0.69	4.75	0.15	1.004	654	mg/l	lb/day			
t. Magnesium, Total (7439-95-4)	X		30.6	270					2	mg/l	lb/day	Note: Magnesium data came from sampling of the aeration basins upstream from outfall A01.		
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)	X		0.126	1.1107			0.0311	0.314	10	mg/l	lb/day			
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

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EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
ILD054236443	A01

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part, please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X	X		0.0740	0.6523			0.0219	0.15	10	mg/l	lb/day			
2M. Arsenic, Total (7440-38-2)	X	X		0.0076	0.0688			0.0035	0.024	10	mg/l	lb/day			
3M. Beryllium, Total (7440-41-7)	X		X	<0.005	NA			**		10	mg/l	lb			
4M. Cadmium, Total (7440-43-9)	X	X		0.0029	0.0256			0.0014	0.01	10	mg/l	lb/day			
5M. Chromium, Total (7440-47-3)	X	X		0.0366	0.3226			0.012	0.082	10	mg/l	lb/day			
6M. Copper, Total (7440-50-8)	X	X		0.2890	2.5476			0.0801	0.55	10	mg/l	lb/day			
7M. Lead, Total (7439-92-1)	X	X		0.0017	0.015			0.0006	0.004	10	mg/l	lb/day			
8M. Mercury, Total (7439-97-6)	X	X		0.001	0.0088			0.0003	0.002	10	mg/l	lb/day			
9M. Nickel, Total (7440-02-0)	X	X		1.44	10.54	0.472	3.41	0.0457	0.299	654	mg/l	lb/day			
10M. Selenium, Total (7782-49-2)	X	X		<0.015	NA			**		10	mg/l	NA			
11M. Silver, Total (7440-22-4)	X		X	<0.01	NA			**		10	mg/l	NA			
12M. Thallium, Total (7440-28-0)	X	X		<0.0008	NA			**		10	mg/l	NA			
13M. Zinc, Total (7440-66-6)	X	X		0.7620	6.7172			0.1409	0.968	10	mg/l	lb/day			
14M. Cyanide, Total (57-12-5)	X	X		6*	52.89			0.6132	4.211	10	mg/l	lb/day			
15M. Phenols, Total	X		X	<0.104	NA			**		10	mg/l	NA			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS 3M Cordova does not manufacture any of the compounds identified in Part V-C of the Form 2c Instructions											

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**Long term average not calculated if all sample results were below minimum detection level.

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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 – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X		X	<0.15	NA			**		20	mg/l	NA			
2V. Acrylonitrile (107-13-1)	X		X	<0.1	NA			**		20	mg/l	NA			
3V. Benzene (71-43-2)	X		X	<0.02	NA			**		20	mg/l	NA			
4V. Bis (Chloromethyl) Ether (542-88-1)	X		X							1	A Volatile TIC analysis was analyzed and compound 4V was not detected.				
5V. Bromoform (75-25-2)	X		X	<0.05	NA			**		20	mg/l	NA			
6V. Carbon Tetrachloride (56-23-5)	X		X	<0.02	NA			**		20	mg/l	NA			
7V. Chlorobenzene (108-90-7)	X		X	<0.02	NA			**		20	mg/l	NA			
8V. Chlorodibromomethane (124-48-1)	X		X	<0.02	NA			**		20	mg/l	NA			
9V. Chloroethane (75-00-3)	X		X	<0.02	NA			**		20	mg/l	NA			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X	<0.1	NA			**		20	mg/l	NA			
11V. Chloroform (67-66-3)	X	X		0.0514*	0.3312			0.0104	0.072	21	mg/l	lb/day	*VOA TIC analysis, 20 of 21 samples below minimum detection level.		
12V. Dichlorobromomethane (75-27-4)	X		X	<0.02	NA			**		20	mg/l	NA			
13V. Dichlorodifluoromethane (75-71-8)	X	X		0.012*	0.0853			0.0173	0.119	3	mg/l	lb/day	*VOA TIC analysis, 2 of 3 samples below minimum detection level.		
14V. 1,1-Dichloroethane (75-34-3)	X		X	<0.02	NA			**		20	mg/l	NA			
15V. 1,2-Dichloroethane (107-06-2)	X		X	<0.02	NA			**		20	mg/l	NA			
16V. 1,1-Dichloroethylene (75-35-4)	X		X	<0.02	NA			**		20	mg/l	NA			
17V. 1,2-Dichloropropane (78-87-5)	X		X	<0.02	NA			**		20	mg/l	NA			
18V. 1,3-Dichloropropylene (542-75-6)	X		X	<0.02	NA			**		20	mg/l	NA			
19V. Ethylbenzene (100-41-4)	X		X	<0.02	NA			**		20	mg/l	NA			
20V. Methyl Bromide (74-83-9)	X		X	<0.02	NA			**		20	mg/l	NA			
21V. Methyl Chloride (74-87-3)	X		X	<0.02	NA			**		20	mg/l	NA			

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**long term average not calculated if all sample results were below minimum detection level.

CONTINUE ON PAGE V-5

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCEN-TRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X	X		0.0236	0.1678			0.0166	0.114	20	mg/l	lb/day	* 19 of 20 results were below the minimum detection level.		
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X	<0.02	NA			**		20	mg/l	lb/day			
24V. Tetrachloro-ethylene (127-18-4)	X		X	<0.02	NA			**		20	mg/l	lb/day			
25V. Toluene (108-88-3)	X		X	<0.02	NA			**		20	mg/l	lb/day			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X	<0.02	NA			**		20	mg/l	NA			
27V. 1,1,1-Trichloro-ethane (71-55-6)	X		X	<0.02	NA			**		20	mg/l	NA			
28V. 1,1,2-Trichloro-ethane (79-00-5)	X		X	<0.02	NA			**		20	mg/l	NA			
29V Trichloro-ethylene (79-01-6)	X		X	<0.02	NA			**		20	mg/l	NA			
30V. Trichloro-fluoromethane (75-69-4)	X		X	<0.02	NA			**		20	mg/l	NA			
31V. Vinyl Chloride (75-01-4)	X		X	<0.02	NA			**		20	mg/l	NA			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X	<0.104	NA			**		10	mg/l	NA			
2A. 2,4-Dichloro-phenol (120-83-2)	X		X	<0.104	NA			**		10	mg/l	NA			
3A. 2,4-Dimethyl-phenol (105-67-9)	X		X	<0.104	NA			**		10	mg/l	NA			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X	<0.518	NA			**		10	mg/l	NA			
5A 2,4-Dinitro-phenol (51-28-5)	X		X	<0.518	NA			**		10	mg/l	NA			
6A. 2-Nitrophenol (88-75-5)	X		X	<0.104	NA			**		10	mg/l	NA			
7A. 4-Nitrophenol (100-02-7)	X		X	<0.518	NA			**		10	mg/l	NA			
8A. P-Chloro-M-Cresol (59-50-7)	X		X	<0.104	NA			**		10	mg/l	NA			
9A. Pentachloro-phenol (87-86-5)	X		X	<0.238	NA			**		10	mg/l	NA			
10A. Phenol (108-95-2)	X		X	<0.104	NA			**		10	mg/l	NA			
11A. 2,4,6-Trichloro-phenol (88-05-2)	X		X	<0.104	NA			**		10	mg/l	NA			

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PAGE V-5

**Long term average not calculated if all sample results were below minimum detection level.

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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		X	<0.104	NA			**		10	mg/l	NA			
2B. Acenaphtylene (208-96-8)	X		X	<0.104	NA			**		10	mg/l	NA			
3B. Anthracene (120-12-7)	X		X	<0.104	NA			**		10	mg/l	NA			
4B. Benzidine (92-87-5)	X		X	<0.518	NA			**		10	mg/l	NA			
5B. Benzo (a) Anthracene (56-55-3)	X		X	<0.104	NA			**		10	mg/l	NA			
6B. Benzo (a) Pyrene (50-32-8)	X		X	<0.104	NA			**		10	mg/l	NA			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X		X	<0.104	NA			**		10	mg/l	NA			
8B. Benzo (ghi) Perylene (191-24-2)	X		X	<0.104	NA			**		10	mg/l	NA			
9B. Benzo (k) Fluoranthene (207-08-9)	X		X	<0.104	NA			**		10	mg/l	NA			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X		X	<0.104	NA			**		10	mg/l	NA			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X		X	<0.104	NA			**		10	mg/l	NA			
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X		X	<0.104	NA			**		10	mg/l	NA			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X		X	<0.104	NA			**		10	mg/l	NA			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X		X	<0.104	NA			**		10	mg/l	NA			
15B. Butyl Benzyl Phthalate (85-68-7)	X		X	<0.104	NA			**		10	mg/l	NA			
16B. 2-Chloro-naphthalene (91-58-7)	X		X	<0.104	NA			**		10	mg/l	NA			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X		X	<0.104	NA			**		10	mg/l	NA			
18B. Chrysene (218-01-9)	X		X	<0.104	NA			**		10	mg/l	NA			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X		X	<0.104	NA			**		10	mg/l	NA			
20B. 1,2-Dichloro-benzene (95-50-1)	X		X	<0.104	NA			**		12	mg/l	NA			
21B. 1,3-Di-chloro-benzene (541-73-1)	X		X	<0.104	NA			**		24	mg/l	NA			

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**Long term average not calculated if all sample results were below minimum detection level.

CONTINUE ON PAGE V-7

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X		X	<0.104	NA			**		12	mg/l	NA			
23B. 3,3-Dichlorobenzidine (91-94-1)	X		X	<0.207	NA			**		10	mg/l	NA			
24B. Diethyl Phthalate (84-66-2)	X		X	<0.104	NA			**		10	mg/l	NA			
25B. Dimethyl Phthalate (131-11-3)	X		X	<0.104	NA			**		10	mg/l	NA			
26B. Di-N-Butyl Phthalate (84-74-2)	X		X	<0.104	NA			**		10	mg/l	NA			
27B. 2,4-Dinitrotoluene (121-14-2)	X		X	<0.104	NA			**		10	mg/l	NA			
28B. 2,6-Dinitrotoluene (606-20-2)	X		X	<0.104	NA			**		10	mg/l	NA			
29B. Di-N-Octyl Phthalate (117-84-0)	X		X	<0.104	NA			**		10	mg/l	NA			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X	<0.104	NA			**		10	mg/l	NA			
31B. Fluoranthene (206-44-0)	X		X	<0.104	NA			**		10	mg/l	NA			
32B. Fluorene (86-73-7)	X		X	<0.104	NA			**		10	mg/l	NA			
33B. Hexachlorobenzene (118-74-1)	X		X	<0.104	NA			**		10	mg/l	NA			
34B. Hexachlorobutadiene (87-68-3)	X		X	<0.104	NA			**		12	mg/l	NA			
35B. Hexachlorocyclopentadiene (77-47-4)	X		X	<0.518	NA			**		10	mg/l	NA			
36B Hexachloroethane (67-72-1)	X		X	<0.104	NA			**		10	mg/l	NA			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X	<0.02	NA					2	mg/l	NA			
38B. Isophorone (78-59-1)	X	X		0.0076	.00519			**		10	mg/l	lb/day	* 9 of 10 results were below the minimum detection level.		
39B. Naphthalene (91-20-3)	X		X	<0.104	NA			**		12	mg/l	NA			
40B. Nitrobenzene (98-95-3)	X		X	<0.104	NA			**		10	mg/l	NA			
41B. N-Nitrosodimethylamine (62-75-9)	X		X	<0.104	NA			**		10	mg/l	NA			
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X		X	<0.104	NA			**		10	mg/l	NA			

EPA Form 3510-2C (8-90)

**Long term average not calculated if all sample results were below minimum detection level.

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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 (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X		X	<0.104	NA			**		10	mg/l	NA			
44B. Phenanthrene (85-01-8)	X		X	<0.104	NA			**		10	mg/l	NA			
45B. Pyrene (129-00-0)	X		X	<0.104	NA			**		10	mg/l	NA			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	X		X	<0.104	NA			**		12	mg/l	NA			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X		X	<0.00053	NA			**		10	mg/l	NA			
2P. α-BHC (319-84-6)	X		X	<0.00053	NA			**		10	mg/l	NA			
3P. β-BHC (319-85-7)	X	X		0.00014	0.001			**		10	mg/l	lb/day	* 9 of 10 results were below the minimum detection level.		
4P. γ-BHC (58-89-9)	X		X	<0.00053	NA			**		10	mg/l	NA			
5P. δ-BHC (319-86-8)	X		X	<0.00053	NA			**		10	mg/l	NA			
6P. Chlordane (57-74-9)	X		X	<0.002	NA			**		5	mg/l	NA			
7P. 4,4'-DDT (50-29-3)	X		X	<0.0011	NA			**		10	mg/l	NA			
8P. 4,4'-DDE (72-55-9)	X		X	<0.0011	NA			**		10	mg/l	NA			
9P. 4,4'-DDD (72-54-8)	X		X	<0.0011	NA			**		10	mg/l	NA			
10P. Dieldrin (60-57-1)	X		X	<0.0011	NA			**		10	mg/l	NA			
11P. α-Endosulfan (115-29-7)	X		X	0.00053	NA			**		10	mg/l	NA			
12P. β-Endosulfan (115-29-7)	X		X	<0.0011	NA			**		10	mg/l	NA			
13P. Endosulfan Sulfate (1031-07-8)	X		X	0.00053	NA			**		10	mg/l	NA			
14P. Endrin (72-20-8)	X		X	<0.0011	NA			**		10	mg/l	NA			
15P. Endrin Aldehyde (7421-93-4)	X		X	<0.0011	NA			**		10	mg/l	NA			
16P. Heptachlor (76-44-8)	X		X	0.00053	NA			**		10	mg/l	NA			

EPA Form 3510-2C (8-90)

**Long term average not calculated if all sample results were below minimum detection level.

CONTINUE ON PAGE V-9

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
TLD054236443	A01

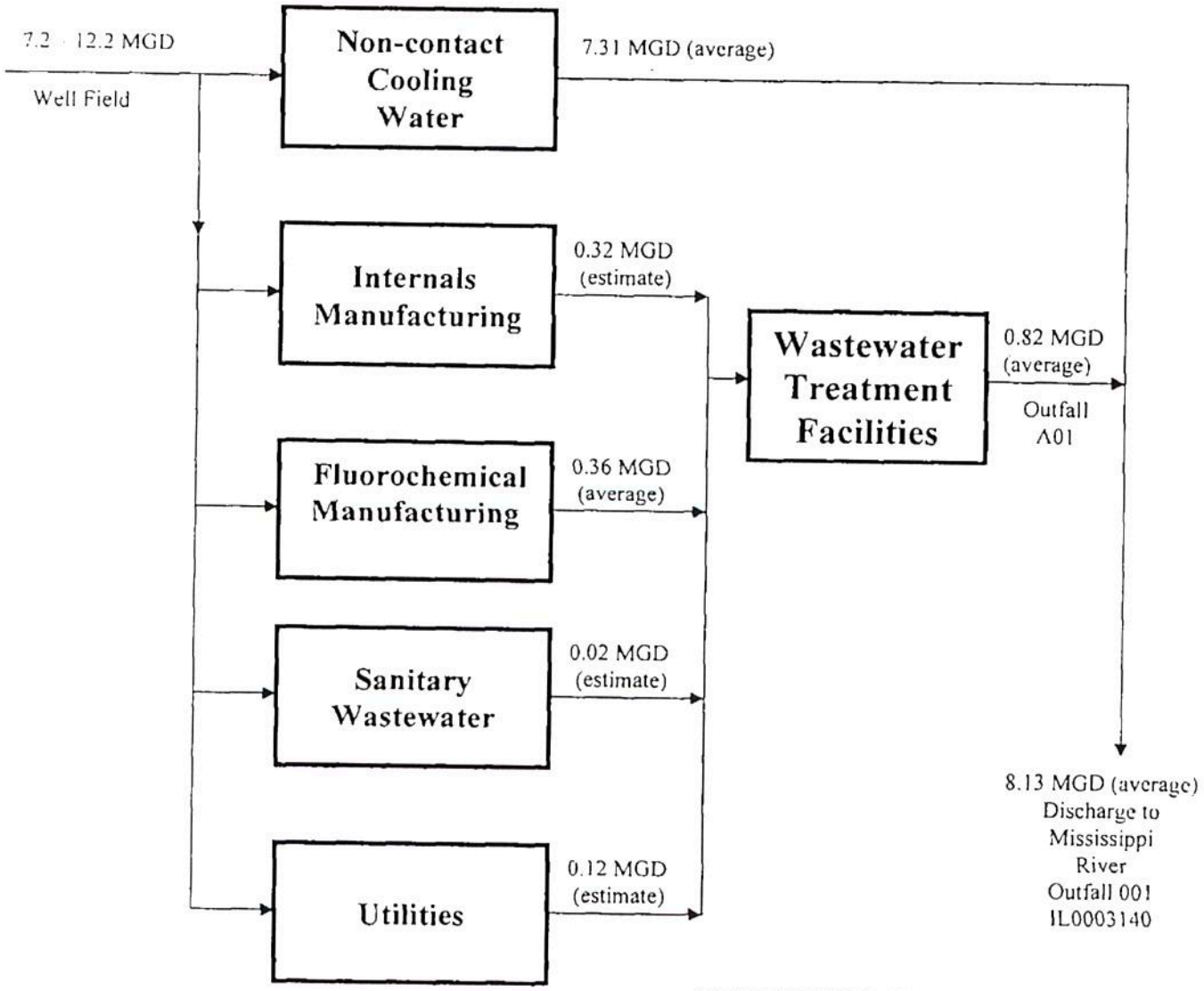
CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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)	X		X	<0.00053	NA			**		10	mg/l	NA			
18P. PCB-1242 (53469-21-9)	X		X	<0.00095	NA			**		10	mg/l	NA			
19P. PCB-1254 (11097-69-1)	X		X	<0.00095	NA			**		10	mg/l	NA			
20P. PCB-1221 (11104-28-2)	X		X	<0.00095	NA			**		10	mg/l	NA			
21P. PCB-1232 (11141-16-5)	X		X	<0.00095	NA			**		10	mg/l	NA			
22P. PCB-1248 (12672-29-6)	X		X	<0.00095	NA			**		10	mg/l	NA			
23P. PCB-1260 (11096-82-5)	X		X	<0.00095	NA			**		10	mg/l	NA			
24P. PCB-1016 (12674-11-2)	X		X	<0.00095	NA			**		10	mg/l	NA			
25P. Toxaphene (8001-35-2)	X		X	<0.0263	NA			**		10	mg/l	NA			

EPA Form 3510-2C (8-90)

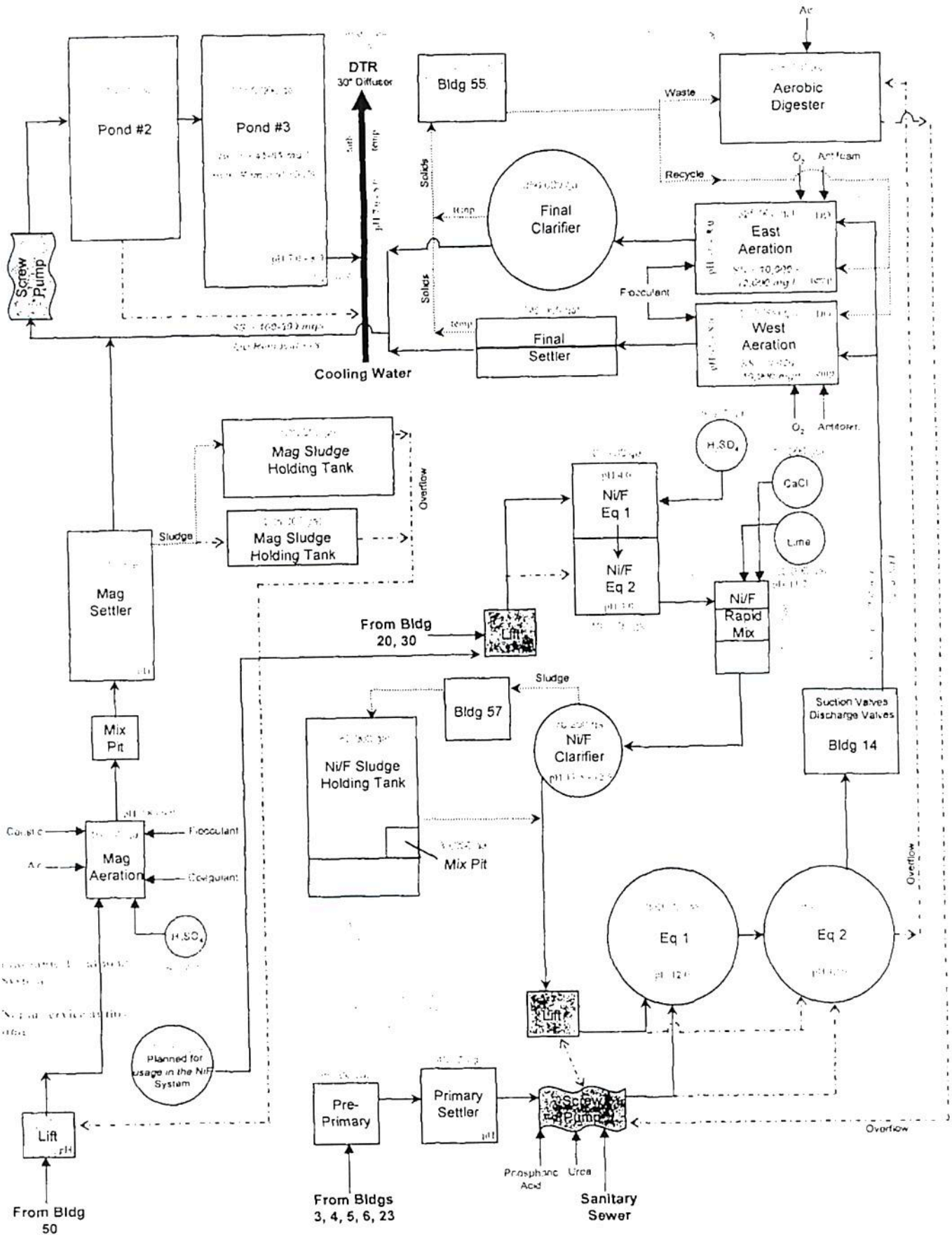
**Long term average not calculated if all sample results were below minimum detection level.

Attachment 2C-IIA
3M Cordova Manufacturing Facilities
Schematic of Water and Wastewater Flows



Note: Precipitation, evaporation, and losses into products will all contribute or decrease wastewater volumes. The volumetric quantities will not significantly change the listed volumes.

Revision Date
08/16/2007


Pond #2
Pond #3
DTR
30" Diffuser
Bldg 55
Waste
Aerobic Digester
Recycle
Final Clarifier
East Aeration
West Aeration
Flocculant
Final Settler
Cooling Water
Screw Pump
Solids
Mag Sludge Holding Tank
Mag Sludge Holding Tank
Overflow
Sludge
Mag Settler
Mix Pit
Ni/F Eq 1
Ni/F Eq 2
Ni/F Rapid Mix
CaCl
Lime
From Bldg 20, 30
Lift
Bldg 57
Ni/F Clarifier
Suction Valves Discharge Valves
Bldg 14
Ni/F Sludge Holding Tank
Mix Pit
Mag Aeration
Eq 1
Eq 2
Planned for usage in the Ni/F System
Pre-Primary
Primary Settler
Phosphoric Acid
Urea
Sanitary Sewer
From Bldg 50
From Bldgs 3, 4, 5, 6, 23

Attachment 2C-IIB

3M Cordova
Wastewater Treatment System Description

The Cordova wastewater treatment system consists of two systems which have both separate and shared wastewater treatment units. A general description of the manufacturing processes and the wastewater treatment plant is provided below.

Internals Factory

In the internals factory, Cordova manufacturers a variety of products that are used largely at other 3M locations. Many of the intermediates that are used to formulate these final products are also manufactured at Cordova. Wastewaters in these areas will be generated from a variety of operations including product synthesis (where aqueous processes are employed), during cleaning of process vessels, and from vacuum steam jet ejector systems. Wastewaters will generally consist of suspended materials that are the result of adhesive and polymerization reactions and synthesis, aqueous cleaning solutions with inorganic and organic materials, and various organics solvents that are entrained and removed in process vacuum jet ejector systems.

Wastewaters from the internal factories are conveyed in a closed system to primary settlers, where suspended solids and scum will be removed. These solids are removed periodically and disposed at off-site locations. Wastewater from these units is then pumped to two equalization tanks. Equalization Tank #1 is used primarily for concentration equalization and pH control as needed. Wastewater then flows into Equalization Tank #2 which provides flow equalization. Wastewater from this tank is metered at constant rate into the biological treatment system. This is a traditional activated sludge system which utilizes pure oxygen. Sludge is further treated in an aerobic digester and after treatment is dewatered and sent off-site for disposal. Treated wastewater from the aeration tanks flows through three final clarifiers which are operated in parallel. Following biological treatment, wastewater will flow to the two polishing ponds before it is combined with non-contact cooling water before being discharged to the Mississippi River.

Fluorochemical Factory

In the fluororchemical factory, various perfluorinated chemicals are produced using HF and organic feedstocks in an electrochemical fluorination process. These intermediates may be purified through distillation operations or further synthesized through the addition of both inorganic and organic materials. Wastewaters are generated from chemical

synthesis operations, process scrubbers, and process clean-up. Wastewaters from these processes will generally contain inorganic fluoride, small amounts of nickel, various organic materials and inorganic salts, as well as derivatives of the fluorochemical intermediates and products.

The Cordova plant site utilizes a high temperature thermal oxidations process to treat off-gases from many of the process operations. The process produces an aqueous HF solution which is sold off-site into other manufacturing markets. A portion of this material is treated in the wastewater treatment system along with the discharge from a scrubber that provides off-gas treatment for the thermal oxidizer.

Wastewaters from the fluorochemical factory are treated in the Nickel/Fluoride treatment system. Wastewaters are conveyed and pumped into two equalization tanks. The first tank is intended to provide concentration equalization as well as pH adjustment. The 2nd equalization tank is intended to provide flow metering for the physical-chemical treatment system. In the process lime and calcium chloride are added to precipitate fluoride ion as calcium fluoride. Nickel compounds will also be precipitated at the pH range present in this system. Sludges from the process are pumped to a holding tank where they are dewatered in a filter press on a periodic basis.

The effluent from this system is conveyed to the biological treatment system which was described above.

ATTACHMENT 2C-IIB-1
3M CORDOVA
NICKEL-FLUORIDE TREATMENT SYSTEM DETAILS

The following is a summary of the sizes, volumes, capabilities, etc., of the treatment units that are provided in the nickel fluoride inorganic treatment system:

1. Electronic Data Logging and Trend Analysis System

    a. Type: ProVox

    b. Parameters:

        (1) pH in both equalization tanks

        (2) Flow from equalization tanks

        (3) Water level in equalization tanks

        (4) pH in rapid mix tanks

        (5) Lime tank level

        (6) Lime usage rate

        (7) Calcium chloride tank level

        (8) Calcium chloride usage rate

2. Lift Pumps to Equalization Tanks

    a. Number of pumps: 2

    b. Capacity: 400 gpm (each)

3. Equalization Tanks

    a. Number of tanks: 2

    b. Dimensions: 30 ft X 30 ft X 19 Ft

    c. Water Depth: 16 ft

    d. Capacity: 107,000 gallons

ATTACHMENT 2C-IIB-1
3M CORDOVA
NICKEL-FLUORIDE TREATMENT SYSTEM DETAILS

4. Fluoride Chemical Precipitation Equipment

    a. One 8000 sulfuric acid storage tank

    b. One 50,000-gallon lime slurry storage tank

    c. One 10,000-gallon calcium chloride tank

    d. One lime slurry feed control valve

    e. One sulfuric acid feed control valve

    f. One rapid mix tank

        (1) Dimensions: 8 ft X 8 ft X 14 ft deep

        (2) Water depth: 11 ft

        (3) Liquid working volume: 3900 gallons

        (4) Mixer: one vertical shaft agitator

    g. One flocculation tank

        (1) Dimensions: 8 ft X 14 ft X 14 ft deep

        (2) Water depth: 11 ft

        (3) Liquid working volume: 6700 gallons

        (4) Mixer: Two vertical shaft agitators

5. Nickel Fluoride Settling Tank

    a. Number of tanks: 1 circular

    b. Dimensions: 35 feet diameter

    c. Water depth: 13 ft

    d. Volume: 70,200 gallons

    e. Surface area: 961 SF

6. Sludge Holding Tank

    a. Number of tanks: 1

    a. Dimensions: 58 ft X 130 ft 16

    b. Working depth: 12.8 ft

    c. Volume: 680,000 gallons

7. Sludge Mix Tank

    a. Number of tanks: 1

    b. Dimensions: 20 X 20 X 16

    c. Working depth: 13 ft

    d. Volume: 39,000 gallons

    e. Vertical shaft mixer

8. Lift Pumps to Organic Equalization Tanks (primary)

    a. Number of pumps: 2

    b. Capacity: 400 gpm (each)

9. Screw Lift Pumps to Organic Equalization Tanks (back up)

    a. Number of pumps: 2

    b. Capacity: 750 gpm each

ATTACHMENT 2C-IIB-2
3M CORDOVA
ORGANIC (BIOLOGICAL) TREATMENT SYSTEM DETAILS

The following is a summary of the sizes, volumes, capabilities, etc., of the treatment units that are provided in the organic (biological) treatment system:

1. Electronic Data Logging and Trend Analysis System

    a. Type: ProVox

    b. Parameters:

        (1) influent flow (from Parshall flume)

        (2) influent pH (in primary settling tank)

        (3) pH in equalization tanks

        (4) water level in equalization tanks

        (5) flow rate from equalization tanks into aeration tank

        (6) dissolved oxygen in aeration tank

        (7) pH in aeration tank

        (8) water temperature in aeration tank

        (9) oxygen supply flow rate to liquid oxygen units in the aeration tanks

        (10) activated sludge recycle flow rate

2. Primary Settling: 2 tanks (operated in series)

	Tank 1	Tank 2
Dimensions (ft)	30 X 16 X 10	40.5 X 16 X 12
Water Depth (ft)	7	9
Liquid Volume (gallon)	18850	46,623
Surface Area (SF)	480	648

3. Screw Lift. Pumps to Equalization Tanks

    a. Number of pumps: 2

    b. Capacity: 500 gpm (each)

ATTACHMENT 2C-IIB-2
3M CORDOVA
ORGANIC (BIOLOGICAL) TREATMENT SYSTEM DETAILS

4. Equalization

a. Design: above ground with leak collection system

b. Number of tanks: 2

c. Dimensions: 84 ft diameter and 14 ft deep

d. Water depth: 9 ft

e. Liquid working volume: 374,000 gallons (439,000 gallons before overflow)

f. Mixing: two side mixers in each tank, 7.5 HP each mixer

5. Neutralization

a. Sulfuric acid feed available from nickel fluoride or inorganic treatment tanks

b. Caustic and sulfuric acid feed on demand from manufacturing process area fed into chemical sewer

6. Aeration: 2 tanks

	Tank 1	Tank 2
Dimensions (ft)	100.6 X 24 X 18	100 X 29 X 16
Water Depth (ft)	15	13.8
Liquid Volume (gallon)	270000	300000

7. Final Clarification: 3 tanks

	Tank 1	Tank 2	Tank 3
Type	Rectangular	Rectangular	Circular
Dimensions (ft)	88 X 20 X 12	88 X 20 X 12	Diameter: 75
Water Depth (ft)	9	9	13.5
Liquid Volume (gallon)	119,000	119,000	445,000
Surface Area (SF)	1760	1760	4415

8. Aerobic Digester Basin for Waste Activated Sludge (biosolids)

a. Number of basins: 1

b. Dimensions: 108 ft X 74 ft bottom: 55 ft X 55 ft depth: 14 ft

c. Water depth: 11 ft 6 in

d. Volume: 437,500 gal

e. Lining: concrete

9. Air Blowers for Aerobic Digester

No. of blowers	2
Capacity	4000 CFM @ 7.5 psi
HP	150 each

10. Pure Oxygen Supply for Aeration Tanks (4 units, 2 per aeration tank)

a. Oxygen injection I-SO units (4): 35 HP

b. Liquid Oxygen storage tank
Capacity – 1,226,444 cf

11. Nutrient Feed System

.a. Phosphorous: 4,000-gallon phosphoric acid storage tank with chemical feed pump

b. Nitrogen: Dry urea when nitrogen content of wastewater is insufficient

12. Defoaming System for Aeration Tank

a. Storage: 3,200 gallon feed tank located in Bldg. 55

b. Feed system: Variable speed, variable stroke, 60 gpd chemical feed pumps

13. Coagulant Feed for Final Clarifiers

a. Coagulant: organic wastewater treatment polymer

b. Storage: 3,200-gallon tank located in Bldg. 51

c. Feed System: variable speed, variable stroke, 60 gpd chemical feed pump

14. Discharge into two polishing ponds

ATTACHMENT 2C-IIB-3
3M CORDOVA
INORGANIC TREATMENT SYSTEM DETAILS

The following is a summary of the sizes, volumes, capabilities, etc., of the treatment units that are provided in the inorganic treatment system:

Note: treatment system is currently out of service except as noted below and primarily processes stormwater flow from building roof drains and secondary containment systems at this time.

1. Electronic Data Logging and Trend Analysis System

   a. Type: ProVox

   b. Parameters:

      (1). pH of influent from iron oxide plant

      (2). Flow of influent from iron oxide plant (Parshall flume)

      (3). pH in equalization tank

      (4). Water level in equalization tank

      (5). Flow from equalization tank into the aeration tank

      (6) pH in aeration tank

2. Fluoride Chemical Precipitation (Old Fluoride Chemical Precipitation for Building 20 Wastewater)

   System description: This is the treatment system that was utilized for fluoride control prior to the construction of the Nickel-Fluoride Treatment System (See Attachment D2). It may be used intermittently for back-up treatment or to treat spills from the hydrofluoric acid unloading station.

   a. One 20,000-gallon lime slurry storage tank
      Note: This tank is still utilized for storage of lime slurry.

   b. One lime slurry feed control valve and timer

   c. One chemical precipitation tank

      (1) Dimensions: 12 ft X 12 ft X 15 ft 6 in deep

      (2) Water depth: 6 ft

      (3) Liquid working volume: 1,300 ft3 (9,720 gallons)

      (4) Mixer: one vertical shaft, 25 HP agitator

ATTACHMENT 2C-IIB-3
3M CORDOVA
INORGANIC TREATMENT SYSTEM DETAILS

3. Wet Wells

a. Wet Well #1

(1) Dimensions: 7 ft X 10ft X 16 ft

(2) Water depth: 8 ft 5 in

(3) Working-volume: 589 ft3 (4,400 gallons)

b. Wet Well #2

(a) Dimensions: 14 ft X 14 ft X 17 ft

(b) Water depth: 9 ft 6 in

(c) Working volume: 1862 ft3 (13,965 gallons)

4. pH adjustment ($8.0 \leq pH \leq 8.4$ for iron removal)

a. Reagents: sodium hydroxide and sulfuric acid as needed

5. Equalization

a. above ground

b. Number of tanks: 1

c. Dimensions: 40 ft diameter and 16 ft high

d. Water depth: 14 ft 11 in

e. Liquid volume: 18,667 ft3 (140, 000 gal)

f. Mixing: 25 HP vertical shaft mixer

6. Iron Oxidation Aeration Tank

a. Number of tanks: 1

b. Dimensions: 20 ft long. X 8 ft. wide X 11 ft 6. in deep

c. Water depth-: 8 ft 5 in

d. Liquid volume: 1,347 ft3 (10,000 gallons)

e. Number of diffusers: 140

f. Air blower: one 75-HP centrifugal blower

7. Flocculation Tank

a. Number of tanks: 1

b. Dimensions: 6 ft X 6 ft X 10 ft 6 in deep

c. Water depth: 7 ft 11 in

d. Volume: 285 ft3 (2, 100 gallons)

e. Mixer: 1 HP

8. Inorganic Settling Tank

a. Number of tanks: 1

b. Dimensions: 82 ft 8 in long X 20 ft wide X 13 ft 6 in deep

c. Water depth: 10 ft 6 in

d. Volume: 17,360 ft3 (130,000 gallons)

e. Surface area: 1,653 ft2

.9. Sludge Holding Basins

a. Main holding basin

(1) Dimensions: 165 ft X 75 ft. at top
135 ft X 45 ft at bottom
160 ft X 70 ft at water line

(2) Working depth: 11 ft 6 in

(3) Volume: 101,400 ft3 (760,000 gallons)

(4) Lining: concrete

b. Second holding basin (Northern portion of inorganic sludge holding basin)

10. Discharge into polishing ponds

ATTACHMENT 2C-IIB-4
3M CORDOVA
POLISHING POND DETAIL

The following is a summary of the sizes, volumes, capabilities, etc., of the treatment units that are provided in the polishing ponds portion of the site's wastewater treatment system:

1. Electronic Data Logging and Trend Analysis System

   a. Type: ProVox

   b. Parameters

      (1). pH of discharge from final polishing pond

      (2). Flow from final polishing pond (Discharge A01)

      (3). pH when combined with non-contact process water (Discharge 001)

      (4). Flow of combined discharge (Discharge 001)

      (5) Temperature of combined discharge (Discharge 001)

2. Polishing Pond #2

   a. Dimensions: 320 ft X 100 ft X 360 ft X 105 ft at top
   264 ft X 32 ft X 277 ft X 34 ft at bottom
   17 ft deep

   b. Working depth: 12 ft

   c. Volume: 86,925 ft3 (650,000 gallons)

   d. Liner: 66 mil geotextile polyurea

3. Polishing Pond #3

   a. Dimensions: 245 ft X 186 ft X 316 ft X 199 ft. at top
   187 ft X 118 ft X 232 ft X 126 ft at bottom
   17 ft deep

   b. Working depth: 12 ft

   c. Volume: 445,512 CF (3,332,400 gallons)

   d. Liner: 30 mil polyvinyl chloride (PVC)

Note: Polishing Pond 1 was removed from service with the construction of the Nickel Fluoride Treatment System. The existing polishing ponds (#2 and #3) maintained their previous descriptions even though only two polishing ponds are currently in service.

Attachment 2C-IIIC

Applicability of Federal Effluent Guidelines and Standards to the 3M Cordova NPDES Discharge

Provided below is discussion on a number of federal effluent guidelines. For the reasons that are discussed below, 3M does not believe that any of these standards should be applied at the Cordova plant site.

Part 414 - Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF)

Organic Chemicals, Synthetic Fibers, and Plastics (OCPSF) treatment standards were issued in 1987. In promulgating these standards, EPA recognized that the standards were applicable to certain industries which had reported previously reported production activities under specific Standard Industrial Classification (SIC) codes in the MA-1000 (L) forms which are annually submitted to the Department of Commerce. The specific designations covered under these rules included 2821, 2823, 2824, 2865, and 2869 (See paragraph 414.11 (a)). In paragraph 414.11 (c) EPA specifically exempted those operations which were reported under a number of other SIC codes, including 2843085, 28914, 2899568, 2899597, 2911058, and 2911632.

In accordance with EPA policies, applicability of these standards was first conducted as a part of the next reissuance of the site's NPDES permit which occurred in 1988. During the review and issuance of this permit, 3M provided documentation that almost all manufacturing had been previously reported under SIC 2899597 and on this basis IEPA made a determination that these standards were not applicable to this discharge.

Parts 136 and 439: Pharmaceutical Manufacturing

The Cordova plant manufactures several products that may be subject to the above referenced standards. The manufacturing processes utilize some intermediates that are manufactured at the plant site. However the major portion of these intermediate materials are used in the manufacture of non-pharmaceutical materials.

Processes that produce or utilize a pharmaceutical active ingredient are manufactured in organic solvent based systems. These systems do not employ aqueous-based processing that would generate process wastewaters. Small amounts of wastewater are produced from vacuum jet ejector systems that are utilized on these processes and during infrequent cleaning operations.

Pharmaceutical operations represent a very small amount of the Cordova manufacturing capacity. The total estimated quantity of wastewater generated from pharmaceutical processes is less than 0.5 gpm. This is less than 0.1% of the total process wastewater discharge from the 3M Cordova plant site. The BOD content of this wastewater is approximately 0.5% of the total BOD loading to the plant's biological treatment system.

Attachment 2C-IIIC

Applicability of Federal Effluent Guidelines and Standards to the 3M Cordova NPDES Discharge

Part 455: Pesticide Chemicals

3M Cordova manufactures one chemical that is listed on Part 455, Table 1 – List of Pesticide Active Ingredients: EPA Census Code 153, Mefluidide salts and Esters. Process wastewaters that are generated in the manufacture of intermediates are exempt from this rule in accordance with Part 455.20 (c). Any wastewaters that are generated in conjunction with the manufacture of the pesticide active ingredient are captured and disposed at 3M's Corporate Incinerator in Cottage Grove, Minnesota.

Part 415: Inorganic Chemicals Manufacturing, Subpart H: Hydrofluoric Acid Subcategory

3M Cordova uses a Thermal Oxidation Process to treat process air vent emissions from its fluorochemical operations. In this process fluorine containing materials will be destroyed and converted to hydrofluoric acid. Hydrofluoric acid is removed from the oxidizer off-gas in process scrubbers which have been specially designed to generate an aqueous 30% HF stream (referred to as HF30). HF30 is stored onsite and most of this material is then sold as a product to various outside parties. A portion of the HF30 is treated in the sites wastewater treatment system.

40CFR415, Subpart H is an effluent guideline that was developed for the manufacture of anhydrous HF and aqueous HF solutions that use a specific manufacturing and wastewater treatment process. All of these processes employ fluorspar (CaF2) and sulfuric acid as raw materials. In addition the effluent guideline was developed assuming that 43% of the treated wastewater could be reused in the "kiln residue reslurrying", a process that is specific to the fluorspar/sulfuric acid manufacturing process.

3M does not believe that it's HF30 manufacturing operations fall subject to this effluent guideline.

Attachment 2C-VD

Table 2C-3 Pollutants with Potential to Discharge from 3M Cordova Outfalls

The following compounds listed in Table 2C-3 are used at the 3M Cordova site and could possibly enter the plant's wastewater discharge.

Acetaldehyde	Propylene oxide
Aniline	Quinoline
Butyl acetate	Strontium
Cyclohexane	Styrene
Diethyl amine	Triethanolamine
Epichlorohydrin	Triethylamine
Formaldehyde	Uranium
Furfural	Vanadium
Methyl mercaptan	Vinyl acetate
Methyl methacrylate	Xylene
Monethyl amine	Zirconium

Of the compounds listed above, formaldehyde and xylene are routinely tested either as a priority pollutant or as an additional compound. The results of testing conducted at A01 were as follows:

Compound	Total Number of Samples	Number of Samples Above Detection Limit	Maximum Concentration	Average concentration
Formaldehyde	20	11	0.559 mg/l	0.065 mg/l
Xylene (Total)	14	0	<0.06 mg/l	<0.026 mg/l
Xylene (m,p)	20	0	<0.04 mg/l	<0.015 mg/l
Xylene (o)	20	0	<0.02 mg/l	<0.008 mg/l

Attachment 2C-VI-1

Summary of Tentatively Identified Compounds

Outfall 001 - Tentatively Identified Compounds (TICs)				
Sample Date	June 6, 2007		August 13, 2007	
Pollutant	Sample Type	Conc. (mg/l)	Sample Type	Conc. (mg/l)
Acetaldehyde, tetramer	Grab	2.64		
Amylene Hydrate	Grab	0.071		
Ethane, 1,2,2-trichloro-1,1	Grab	0.023		
Ethanol, 2-methoxy-	Grab	0.035		
Phenol, 2,4-bis(1,1-dimethyl	Grab	0.026		
Phenol, 2-fluoro-	Grab	0.054		
Carbon dioxide			Grab	0.037
Difluorochloromethane			Grab	0.002
Dimethyl ether			Grab	0.002
1-Propene, 2-methyl-			Grab	0.001

Outfall A01 - Tentatively Identified Compounds (TICs) Summary Detail from 20 Sample Events, Mar 2005 - Jun 2007					
Pollutant	Sample Type	Number of Times Compound was Tentatively Identified	Number of Samples	Max Conc. (mg/l)	Average Con. (mg/l)
(S)-(+)-5-Methyl-1-heptanol	Grab	1	20	0.056	NA
1,1"-Biphenyl, 2-fluoro-	Composite	2	20	0.060	0.042
1,1"-Biphenyl, 4-(chloromet	Composite	1	20	0.027	NA
1,2-Ethanediamine, N,N"-dim	Composite	1	20	0.027	NA
13H-Dibenzo [a,l] carbazole	Composite	1	20	0.035	NA
1-Heptanol, 4-methyl-	Grab	1	20	0.060	NA
2-Butanone, 3-Methyl-	Composite	1	20	0.061	NA
2-Hexen-1-ol, (E) -	Composite	1	20	0.025	NA
2-Propanamine, N-nitro-	Composite	1	20	5.32	NA
2-Propenenitrile, 3,3-diphenyl	Composite	3	20	0.079	0.054
2-Pyrrolidinone, 1-methyl-	Composite	1	20	0.030	NA
3-Hydroxy-2-pentanone	Composite	1	20	0.240	NA
3-Penten-2-ol	Composite	1	20	0.055	NA
3-Tetradecene, (E)-	Grab	1	20	0.054	NA
4,4"-(Hexafluoroisopropylidene)diphenol	Composite	2	20	0.036	0.026
5,9-Methanobenzocycloocten-4 (1H)-or	Composite	1	20	0.020	NA
5-Methyl-1-heptanol	Grab	1	20	0.037	NA
Acetaldehyde, tetramer	Composite	1	20	5.64	NA
Acetamide, N,N-dipropyl-	Composite	1	20	0.046	NA
Acetamide, N,N-diethyl-	Composite	1	20	0.021	NA
Acetonitrile	Grab	1	20	0.003	NA
Aminomethanesulfonic acid	Grab	1	20	0.008	NA
Amylene, Hydrate	Composite	1	20	0.046	NA
Benzeneacetic acid	Composite	1	20	0.040	NA
Butane, 2-ethoxy-	Composite	1	20	0.081	NA
Butanoic acid, 3-methyl-	Composite	1	20	0.059	NA
Carbon dioxide	Grab	9	20	0.300	0.177
Chloroform	Composite	1	20	0.051	NA

Attachment 2C-VI-1
Summary of Tentatively Identified Compounds

Outfall A01 - Tentatively Identified Compounds (TICs) Summary Detail from 20 Sample Events, Mar 2005 - Jun 2007					
Pollutant	Sample Type	Number of Times Compound was Tentatively Identified	Number of Samples	Max Conc. (mg/l)	Average Con. (mg/l)
Cyclobutanone, 2,3,3,4-tetr	Composite	1	20	0.025	NA
Cyclohexanone, 3,3,5-trimethyl-	Composite	2	20	0.021	0.021
Cyclopentanone, 2,4,4-trime	Composite	1	20	0.019	NA
Cysteic acid	Grab	1	20	0.018	NA
Dimethyl ether	Grab	5	20	0.013	0.008
Dimethyl sulfide	Grab	6	20	0.019	0.014
Diphenyl sulfide	Composite	1	20	0.014	NA
Diphenyl sulfoxide	Composite	2	20	0.032	0.026
Diphenylmethoxy acetic acid	Composite	1	20	0.044	NA
Dodecane	Grab	3	20	0.006	0.003
Ethane, 1,1"-oxybis[2-methoxy-	Composite	6	20	8.86	4.57
Ethane, 1-ethoxy-1-methoxy-	Composite	1	20	0.124	NA
Ethanol, 2-(2-methoxyethoxy	Composite	1	20	0.084	NA
Ethene, (2-ethoxy-1-methoxy	Composite	1	20	0.033	NA
Ether	Composite	1	20	0.077	NA
Ethyl citrate	Composite	5	20	0.348	0.164
Glycocyanidine	Composite	2	20	0.104	0.077
Heptadecane	Composite	3	20	0.059	0.031
Hexadecanoic acid	Composite	1	20	0.040	NA
Methane, dichlorofluoro-	Grab	1	20	0.012	NA
Methanethioamide, N,N-dimet	Composite	1	20	12.60	NA
Octadecanoic acid	Composite	1	20	0.040	NA
Phenol, 2,4,6-tribromo-	Composite	2	20	0.042	0.036
Phenol, 2-fluoro-	Composite	1	20	0.064	NA
Phosphine imide, P,P,P-triphenyl	Composite	1	20	0.021	NA
Phosphine oxide, triphenyl-	Composite	1	20	0.013	NA
Piperonal	Composite	1	20	0.040	NA
Pyrrole	Grab	1	20	0.015	NA
Sulfur Dioxide	Grab	2	20	0.020	0.017
Sulfur, mol. (S8)	Composite	1	20	0.014	NA
Tridecane	Grab	1	20	0.002	NA
Triethylamine	Composite	1	20	0.076	NA
Trimethylsilyl fluoride	Grab	1	20	0.004	NA

Site Well Water Analysis

Process water and non-contact cooling water are obtained from a well field (five individual wells) that is located on 3M property east of the manufacturing area. During 2006 3M conducted analysis for two perfluorinated chemicals in both the individual wells and in the combined water from all wells. These samples were analyzed using special analytical methods developed by 3M. The results of this testing are summarized below. This information has been communicated to Mr. Russell Irwin in IEPA's Site Remediation Program within the Bureau of Land. In addition, a work plan to further assess the site for the presence of these constituents has been submitted to the same group.

Constituent	Well Average	Distribution System
Perfluorooctane sulfonate (PFOS)	3.40 ug/l	3.11 ug/l
Perfluorooctanoic acid (PFOA)	1.32 ug/l	1.30 ug/l

Please print or type in the unshaded areas only.

EPA ID Number (copy from Item 1 of Form 1)
ILD054236443

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

FORM 2F NPDES

EPA

U.S. Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number (list)	B. Latitude			C. Longitude			D. Receiving Water (name)
A (002)	41.00	44.00	29.00	90.00	17.00	10.00	Mississippi River
C (003)	41.00	44.00	29.00	90.00	17.00	34.00	Mississippi River
D (004)	41.00	44.00	29.00	90.00	17.00	41.00	Mississippi River

II. Improvements

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

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
NA	NA	NA	NA		

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility

Continue on Page 2

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
A (002)	7.6 acres	109.5 acres			
C (003)	13.5 acres	28.0 acres			
D (004)	35.0 acres	145.7 acres			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

See Attachment 2F-IVB 1, Onsite Storage, Handling and Disposal of Significant Materials at 3M Cordova

Attachment 2F-IVB-2, Summary of Bulk Storage at 3M Cordova

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
	See Attachment 2F-IVC, Description of 3M Cordova Stormwater Control Systems	

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all *nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.*

Name and Official Title (*type or print*)	Signature	Date Signed
Betty Hawk, Vice President MRD Division	Betty Hawk	8/24/07

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test

Field verification - Review of schematic diagrams

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

04/13/04 Approximately 100 gals of 30% lime slurry (CaOH2) was released from the top of the storage tank in the wastewater treatment area with some of the material leaking through the outfall 003 sluice gate reaching the river bank. A courtesy report was placed with the agency.

10/01/06 Approximately 600-800 gallons of Nickel Fluoride wastewater was released from the equalization tank due to failure of one of the discharge pipes. A courtesy report was placed with the agency. Spilled material was contained onsite.

02/12/07 Approximately 322 lbs of fluoride ion were lost to the cooling water system and dicharged through outfall 001 due to a failure in an electrolyte cooler allowing acid to reach the cooling water dischaarge. This incident resulted in a pH exceedance on outfall 001.

These are the spills that resulted in notification to the agency, therefore, deemed significant. A more detailed spill analysis can be referenced in the annual stormwater inspection report submitted to the agency by January 31 of each year, providing information for the previous year.

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EPA ID Number (copy from Item 1 of Form 1)
ILD054236443

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☑ Yes (*list all such pollutants below*) ☐ No (*go to Section IX*)

See highlighted compounds on table 2F-2, 2F-3 and 2F-4

see Attachment 2F-VII-002, Outfall 002 Analytical Results for 2004-2006
Attachment 2F-VII-003, Outfall 003 Analytical Results for 2004-2007
Attachment 2F-VII-004, Outfall 004 Analytical Results for 2004-2007

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (*list all such pollutants below*) ☑ No (*go to Section IX*)

IX. Contract Analysis Information

Were any of the analyses reported in Item VII 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 X*)

A. Name	B. Address	C. Area Code & Phone No	D. Pollutants Analyzed
Pace Analytical	1700 Elm Street, Suite 200 Minneapolis, MN 55414	(612) 607-1700	Stormwater analysis for 2006 and 2007.*
Braun Intec Corporation	11001 Hampshire Avenue South Minneapolis, MN 55438	(952) 995-2000	Stormwater analysis prior to 2006.*
Test America	2960 Foster Creighton Road Nashville, TN 37204	(800) 765-0980	Formaldehyde
			*except formaldehyde

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (*Type Or Print*)	B. Area Code and Phone No.
Betty Hawk, Vice President MRD Division	(651) 733-2008
C. Signature: Betty M Hawk	D. Date Signed: 8/24/07

EPA Form 3510-2F (1-92)

EPA ID Number (*copy from Item 1 of Form 1*)
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VII. Discharge information *(Continued from page 3 of Form 2F)*

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.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease	<5.1 mg/l	N/A			3.00	Outfall 002
Biological Oxygen Demand (BOD5)	*			*3M Cordova was unable to collect and analyze these parameters prior to the submittal of the application due to lack of flow and/or unsafe sampling conditions during a qualifying rain event. The samples will be analyzed when the 2007 stormwater samples are collected for outfall 002 and submitted to the agency at that time. At the same time, we feel outfall 003 and 004 present similar data as outfall 002.		
Chemical Oxygen Demand (COD)	*					
Total Suspended Solids (TSS)	*					
Total Nitrogen	*					
Total Phosphorus	*					
pH	Minimum 6.70	Maximum 7.20	Minimum	Maximum	3.00	

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Ammonia as (N)	*					Outfall 002
Antimony		4.5 ug/l		1.9 ug/l	3.00	2004
Barium		33 ug/l		17.7 ug/l	3.00	2004
Chromium		<10 ug/l		<6.7 ug/l	3.00	
Cobalt		11 ug/l		6.7 ug/l	3.00	2005
Copper	*					
Cyanide		<0.014 mg/l		<0.010 mg/l	3.00	
Fecal Coliform	*					
Fluoride		0.75 mg/l		0.44 mg/l	3.00	2004
Iron, Dissolved	0.52 mg/l	0.081 mg/l	0.16 mg/l	0.061 mg/l	12.00	2004
Iron, Total	18.60 mg/l	3.0 mg/l	5.80 mg/l	1.64 mg/l	12.00	2005
Lead		4.3 ug/l		2.2 ug/l	3.00	2004
Manganese		95 ug/l		41.7 ug/l	3.00	2004
Mercury		<0.20 ug/l		<0.20 ug/l	3.00	
Nickel		<20.0 ug/l		<10 ug/l	3.00	
Sulfate		24 mg/l		14.3 mg/l	3.00	2004
Zinc		119 ug/l		78 ug/l	3.00	2006

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Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Bromide	*					Outfall 002
Color	*					
NO2 NO3	*					
Surfactant	*					
Aluminum	*					
Magnesium	*					
Molybdenum	*					
Tin	*					
Titanium	*					

*3M Cordova was unable to collect and analyze these parameters prior to the submittal of the application due to lack of flow and/or unsafe sampling conditions during a qualifying rain event. The samples will be analyzed when the 2007 stormwater samples are collected for outfall 002 and submitted to the agency at that time. At the same time, we feel outfall 003 and 004 present similar data as outfall 002.

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1 Date of Storm Event	2 Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6 Total flow from rain event (gallons or specify units)
10/08/2004	885	0.75	140	1334	533,063
09/28/2005	180	0.50	98	1102	368,627
07/11/2006	480	0.25	174	551	173,471

7. Provide a description of the method of flow measurement or estimate.

Calculation: Q = CIA, where C=(%impervious*0.85 factor)+(%pervious*0.2 factor), I= rainfall in feet/hour, A= area in square feet and then converted to corresponding flow rates.

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VII. Discharge Information *(Continued from page 3 of Form 2F)*

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.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease	<5.1 mg/l	N/A	<4.5 mg/l		4.00	Outfall 003
Biological Oxygen Demand (BOD5)		85 mg/l			1.00	
Chemical Oxygen Demand (COD)		16 mg/l			1.00	
Total Suspended Solids (TSS)						
Total Nitrogen		1.3 mg/l			1.00	
Total Phosphorus		0.082 mg/l			1.00	
pH	Minimum 6.40	Maximum 7.90	Minimum	Maximum	4.00	

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Ammonia as N		<1 mg/l			1.00	Outfall 003
Antimony		26.4 ug/l		11.6 ug/l	4.00	2007
Barium		45 ug/l		36 ug/l	4.00	2005
Chromium		9 ug/l		8.5 ug/l	4.00	2005
Cobalt		6.6 ug/l		8.4 ug/l	4.00	2005
Copper		13.8 ug/l			1.00	2007
Cyanide		0.041 mg/l		0.014 mg/l	4.00	2006
Fecal Coliform	>600 CFU/100ml				1.00	2007, sample run outside rec. hold
Fluoride		8.7 mg/l		3.9 mg/l	4.00	2006
Iron, Dissolved	0.6 mg/l	0.03 mg/l	0.6 mg/l	0.04 mg/l	12.00	2004
Iron, Total	38.80 mg/l	7 mg/l	10.3 mg/l	3.9 mg/l	12.00	2005
Lead		4.7 ug/l		2.6 ug/l	4.00	2005
Manganese		260 ug/l		137.7 ug/l	4.00	2005
Mercury		<0.20 ug/l		<0.20 ug/l	4.00	
Nickel		40 ug/l		29.3 ug/l	4.00	2004
Sulfate		53.5 mg/l		29.6 mg/l	4.00	2006
Zinc		46.1 ug/l		34.3 ug/l	4.00	2006

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Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Bromide		<0.25 ug/l			1.00	Outfall 003
Color	81 units				1.00	2007
NO2-NO3		3.3 ug/l			1.00	2007
Tin		<75 ug/l			1.00	
Titanium		3.3 ug/l			1.00	2007
Surfactant		0.56 mg/l			1.00	2007
Aluminum		<200 ug/l			1.00	
Magnesium		11.8 mg/l			1.00	2007
Molybdenum		2.1 ug/l			1.00	2007

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1 Date of Storm Event	2 Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6 Total flow from rain event (gallons or specify units)
10/08/2004	885	0.75	140	6142	1,030,570
09/28/2005	180	0.50	98	5074	712,669
07/11/2006	480	0.25	174	2537	335,374
07/26/2007	210	0.50	187	4540	684,722

7. Provide a description of the method of flow measurement or estimate.

Calculation: Q = CIA, where C=(%impervious*0.85 factor)+(%pervious*0.2 factor), I= rainfall in feet/hour, A= area in square feet and then converted to corresponding flow rates.

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EPA ID Number (*copy from Item 1 of Form 1*)
ILD054236443

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

VII. Discharge information *(Continued from page 3 of Form 2F)*

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.

Pollutant and CAS Number (*if available*)	Maximum Values (*include units*)		Average Values (*include units*)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease	<5.1 mg/l	N/A	<4.4 mg/l		4.00	Outfall 004
Biological Oxygen Demand (BOD5)		<2.0 mg/l			1.00	2007
Chemical Oxygen Demand (COD)		9 mg/l			1.00	2007
Total Suspended Solids (TSS)						
Total Nitrogen		<1.0 mg/l			1.00	
Total Phosphorus		0.093 mg/l			1.00	2007
pH	Minimum 6.10	Maximum 7.60	Minimum	Maximum	4.00	

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (*if available*)	Maximum Values (*include units*)		Average Values (*include units*)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Ammonia as (N)		<1.0 mg/l			1.00	Outfall 004
Antimony		1.9 ug/l		1.5 ug/l	4.00	2005,2006
Barium		33 ug/l		24.1 ug/l	4.00	2005
Chromium		<10 ug/l		<.5 ug/l	4.00	
Cobalt		<10 ug/l		<7.5 ug/l	4.00	
Copper		<10 ug/l			1.00	
Cyanide		<0.014 mg/l		<0.001 mg/l	4.00	
Fecal Coliform	12				1.00	2007, sample run outside rec. hold
Fluoride		2.3 mg/l		1.8 mg/l	3.00	2005
Iron, Dissolved	0.6 mg/l	0.11 mg/l	0.1 mg/l	0.07 mg/l	12.00	2004
Iron, Total	10.3 mg/l	0.88 mg/l	2.7 mg/l	0.64 mg/l	12.00	2004
Lead		2.3 ug/l		1.4 ug/l	3.00	2004
Manganese		68.6 ug/l		65.9 ug/l	3.00	2006
Mercury		<0.20 ug/l		<0.20 ug/l	3.00	
Nickel		18 ug/l		15.9 ug/l	3.00	2004
Sulfate		13.9 ug/l		10.9 ug/l	3.00	2006
Zinc		96 ug/l		54 ug/l	3.00	2004

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Continue on Reverse

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Aluminum		<200 ug/l			1.00	Outfall 004
Bromide		<0.25 mg/l			1.00	
Color	16 units				1.00	2007
Magnesium		17.5 mg/l			1.00	2007
Molybdenum		0.38 ug/l			1.00	2007
NO2 - NO3		5.4 mg/l			1.00	2007
Surfactant		<0.20 mg/l			1.00	
Tin		<75 ug/l			1.00	
Titanium		0.99 ug/l			1.00	2007

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)
10/08/2004	865	0.75	140	2369	285,499
09/28/2005	180	0.50	98	1957	197,430
07/11/2006	480	0.25	174	979	92,908
07/26/2007	210	0.50	187	1751	189,687

7. Provide a description of the method of flow measurement or estimate.

Calculation: Q = CIA, where C=(%impervious*0.85 factor)+(%pervious*0.2 factor), I= rainfall in feet/hour, A= area in square feet and then converted to corresponding flow rates.

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Table 2F-2

Conventional and Nonconventional Pollutants

Bromide
Chlorine, Total Residual
Color
Fecal Coliform
Fluoride
Nitrate-Nitrite
Nitrogen, Total Organic
Oil and Grease
Phosphorus, Total
Radioactivity
Sulfate
Sulfite
Surfactants
Aluminum, Total
Barium, Total
Boron, Total
Cobalt Total
Iron, Total
Magnesium, Total
Molybdenum, Total
Manganese, Total
Tin, Total
Titanium, Total

Note: The highlighted compounds above are used at the 3M Cordova site and could possibly enter the plant's discharge.

Table 2F-3

Toxic Pollutants

Toxic Pollutants and Total Phenol

Antimony, Total	Copper, Total	Silver, Total
Arsenic, Total	Lead, Total	Thallium, Total
Beryllium, Total	Mercury, Total	Zinc, Total
Cadmium, Total	Nickel, Total	Cyanide, Total
Chromium, Total	Selenium, Total	Phenols, Total

GC/MS Fraction Volatiles Compounds

Acrolein	Dichlorobromomethane	1,1,2,2,-Tetrachloroethane
Acrylonitrile	1,1-Dichloroethane	Tetrachloroethylene
Benzene	1,2-Dichloroethane	Toluene
Bromoform	1,1-Dichloroethylene	1,2-Trans-Dichloroethylene
Carbon Tetrachloride	1,2-Dichloropropane	1,1,1-Trichloroethane
Chlorobenzene	1,3-Dichloropropylene	1,1,2-Trichloroethane
Chlorodibromomethane	Ethylbenzene	Trichloroethylene
Chloroethane	Methyl Bromide	Vinyl Chloride
2-Chloroethylvinyl Ether	Methyl Chloride	
Chloroform	Methylene Chloride	

Acid Compounds

2-Chlorophenol	2,4-Dinitrophenol	Pentachlorophenol
2,4-Dichlorophenol	2-Nitrophenol	Phenol
2,4-Dimethylphenol	4-Nitrophenol	2,4,6-Trichlorophenol
4,6-Dinitro-O-Cresol	p-Chloro-M-Cresol	2-methyl-4,6 dinitrophenol

Base/Neutral

Acenaphthene	2-Chloronaphthalene	Fluroranthene
Acenaphthylene	4-Chlorophenyl Phenyl Ether	Fluorene
Anthracene	Chrysene	Hexachlorobenzene
Benzidine	Dibenzo(a,h)anthracene	Hexachlorobutadiene
Benzo(a)anthracene	1,2-Dichlorobenzene	Hexachloroethane
Benzo(a)pyrene	1,3-Dichlorobenzene	Indeno(1,2,3-cd)pyrene
3,4-Benzofluoranthene	1,4-Dichlorobenzene	Isophorone
Benzo(ghi)perylene	3,3'-Dichlorobenzidine	Napthalene
Benzo(k)fluoranthene	Diethyl Phthalate	Nitrobenzene
Bis(2-chloroethoxy)methane	Dimethyl Phthalate	N-Nitrosodimethylamine
Bis(2-chloroethyl)ether	Di-N-Butyl Phthalate	N-Nitrosodi-N-Propylamine
Bis(2-chloroisopropyl)ether	2,4-Dinitrotoluene	N-Nitrosodiphenylamine
Bis(2-ethylyhexyl)phthalate	2,6-Dinitrotoluene	Phenanthrene
4-Bromophenyl Phenyl Ether	Di-N-Octyphthalate	Pyrene
Butylbenzyl Phthalate	1,2-Diphenylhydrazine (as Azobenzene)	1,2,4-Trichlorobenzene

Pesticides

Aldrin	Dieldrin	PCB-1254
Alpha-BHC	Alpha-Endosulfan	PCB-1221
Beta-BHC	Beta-Endosulfan	PCB-1232
Gamma-BHC	Endosulfan Sulfate	PCB-1248
Delta-BHC	Endrin	PGB-1260
Chlordane	Endrin Aldehyde	PCB-1016
4,4'-DDT	Heptachlor	Toxaphene
4,4'-DDE	Heptachlor Epoxide	
4,4'-DDD	PCB-1242	

Note: The highlighted compounds above are used at the 3M Cordova site and could possibly enter the plant's discharge.

Table 2F-4

Hazardous Substances

Toxic Pollutant

Asbestos

Hazardous Substances

Acetaldehyde
Allyl alcohol
Allyl chloride
Amyl acetate
Aniline .
Benzonitrile
Benzyl chloride
Butyl acetate
Butylamine
Carbaryl
Carbofuran
Carbon disulfide
Chlorpyrifos
Coumaphos

Cresol
Crotonaldehyde

Cyclohexane
2,4-D (2,4-Dichlorophenoxyacetic acid)
Diazinon
Dicamba
Dichlobenil
Dichlone
2,2-Dichloropropionic acid
Dichlorvos
Diethyl amine
Dimethyl amine

Dinitrobenzene
Diquat
Disulfoton
Diuron
Epichlorohydrin
Ethion
Ethylene diamine
Ethylene dibromide
Formaldehyde
Furfural
Guthion
Isoprene
Isopropanolamine
Kelthane

Kepone
Malathion

Mercaptodimethur
Methoxychlor

Methyl mercaptan
Methyl methacrylate
Methyl parathion
Mevinphos
Mexacarbate
Monoethyl amine
Monomethyl amine
Naled

Napthenic acid
Nitrotoluene
Parathion
Phenolsulfonate
Phosgene
Propargite
Propylene oxide
Pyrethrins
Quinoline
Resorcinol
Stronthium
Strychnine
Styrene
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
TDE (Tetrachlorodiphenyl ethane)
2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]
Trichlorofan
Triethylamine

Trimethylamine
Uranium
Vanadium
Vinyl acetate
Xylene
Xylenol
Zirconium

Note: The highlighted compounds above are used at the 3M Cordova site and could possibly enter the plant's discharge.

Attachment 2F-IVB-1

Onsite Storage, Handling and Disposal of Significant Materials

3M Cordova

Lawn Maintenance Chemicals

Pesticides and herbicides are predominantly applied on the lawn areas of the manufacturing sections of the facility property. Herbicides are used on some farm sections of the facility property.

Hazardous Wastes

Hazardous wastes generated during the manufacturing process are stored in 55-gallon drums and Intermediate Bulk Containers (IBC's) within facility buildings. The 55-gallon drums are stored outside on a concrete pad with diked containment and a control system. Stormwater collected in the diked areas is inspected prior to discharge. Hazardous waste is stored at these sites until removed from the facility for incineration, recycling, reclamation, or disposal. An above ground hazardous waste tank is in service but is not currently being used. The tank has diked containment and control systems to prevent discharges of leaks.

Railcar Loading/Unloading Areas

All rail cars are off-loaded from the top to reduce the potential for spills. Several rail car loading/unloading areas are located throughout the plant site.

Truck Trailer Loading/Unloading Areas

Any materials received by truck trailer are unloaded at a loading/unloading area; most of these areas have confined concrete protection to prevent spills and pollution on the plant site. Several truck trailer loading/unloading areas are located throughout the plant site.

Product and Raw Material Drum Storage Areas

Drums and IBCs are located in holding areas throughout the plant. Raw materials are packaged in these containers and are placed adjacent to process areas until removed or disposed of properly. Full drums and IBCs are stored on concrete pads.

Attachment 2F-IVB-1

Onsite Storage, Handling and Disposal of Significant Materials

3M Cordova

Sludge Incorporation Areas

Sludge incorporation areas (SIAs) are located in non-process areas of the plant property. These areas were used up until 1999 for disposal of non-toxic sludge with bases of iron oxide and aerobic sludge. The affected areas were Sub-watershed E and Sub-watershed D at the junction of the roadway encompassing the SIAs and Highway 84. All storm water from the SIAs is absorbed into the ground.

All sludge produced by the wastewater treatment process (organic, inorganic, and nickel/fluoride) is dewatered on-site then shipped to an off-site landfill.

Attachment 2F-IVB-2
Summary of Bulk Storage
3M Cordova

Material	Cas #
4,4'-Diphenylmethane-Diisocyanate	101-68-8
2-EHA	103-11-7
Acetic Anhydride	108-24-7
Toluene	108-88-3
Hexane	110-54-3
Propionic anhydride	123-62-6
Xylene	1330-20-7
M-B-Alcohol	137-32-6
Ethyl Acetate	141-78-6
Heptane	142-82-5
Di-n-propylamine	142-84-7
313M Epoxy Resin	25085-99-8
Isooctyl Acrylate	29590-42-9
Unwashed IOA	29590-42-9
Perfluoromethane Sulfonyl Fluoride	355-42-0
NIAX Polyol	36890-68-3
Diethyl Sulfate (DES)	64-67-5
Methanol	67-56-1
Isopropanol	67-63-0
Acetone	67-64-1
Isooctyl Alcohol	68526-83-0
N-Butanol	71-36-3
Perfluoropropane	76-19-7
Hydrofluoric Acid	7664-39-3
Ammonia	7664-41-7
97% Sulfuric Acid	7664-93-9
Firewater	7732-18-5
Dimethyl sulphate (DMS)	77-78-1
*	

Material	Cas #
MEK	78-93-3
Acrylic Acid Modified Glacial	79-10-7
Glacial acrylic acid	79-10-7
Methacrylic Acid	79-41-4
BPA	80-05-7
Isobutyric anhydride	97-72-3
50% KOH	Mixture
Acrylate Polymer Solution	Mixture
Alkabize	Mixture
Caustic Solution	Mixture
Diethylene Glycol Dimethyl Ether	Mixture
Dipropylamine	Mixture
Ethyl nonafluoro (l-/n-) butyl ether	Mixture
Ethyl perfluorobutyl ether	Mixture
Formaldehyde	Mixture
Fuel Oil	Mixture
IOA Solution Polymer	Mixture
M-B-Acrylic	Mixture
Octafluorotetrahydrofuran	Mixture
Solution Polymer	Mixture
Unrecovered Diglyme	Mixture
32% Calcium Chloride Solution	
Phosphoric Acid	
Propane	
*	

*There are also intermediate and finished products stored in bulk tanks in addition to the listed materials above.

Attachment 2F-IVC

Description of 3M Cordova Stormwater Control Systems

Structural Control Measures

The structural controls found in the drainage area of **Outfall 002 (A)** include indoor storage of chemicals, containment for loading/unloading areas, indoor unloading, and containment for a drum storage area. The structural controls found in the drainage area of Outfall B include indoor storage of hazardous waste and raw materials and a gated structure that is closed to contain spills or contaminated storm water to allow transfer to the wastewater treatment plant, if necessary. Also, 55 gallon drums containing hazardous waste, which are stored outdoors, are kept on a concrete pad with diked containment and a control system. Stormwater that collects in the diked area is retained and inspected prior to discharge. The gate to Outfall B is never opened.

The structural controls found in the drainage area of **Outfall 003 (C)** include indoor storage of hazardous waste and raw materials and a gated structure that is closed to contain spills or contaminated stormwater to allow transfer to the wastewater treatment plant, if necessary. The wastewater treatment facility's 4 Equalization tanks have leak detection sumps and the sludge holding basins have concrete containment. An area for 55 gallon drums and 250 gallon totes containing hazardous waste, which are stored outdoors, are kept on a concrete pad with diked containment and a control system. Stormwater that collects in the diked area is pumped to the waste treatment plant.

The structural controls found in the drainage area of **Outfall 004 (D)** include indoor storage of hazardous waste and raw materials and a gated structure that is closed to contain spills or contaminated stormwater to allow transfer to the wastewater treatment plant, if necessary. Additionally, Stabilization Pond 2 and Stabilization Pond 3 are surrounded by diked structural controls with a control valve system that contains spills and retains stormwater for inspection prior to discharge. Concrete and concrete/steel containment is provided for above and under ground storage tanks. The roof drains of the manufacturing buildings are connected to the wastewater treatment plant. Paved parking and curbed roadways provide containment and drainage for most bulk loading and unloading areas.

Non-Structural Control Measures

Employee training, preventive maintenance, good housekeeping, pollution prevention, and inspections serve as non-structural control measures for all Outfalls at the 3M Cordova site.
There are several procedures documented in Standard Operating Manuals (SOP's) and Operating Manuals for loading and unloading tank trailers, railcars and the handling of water in secondary containment.

Attachment 2F-IVC

Description of 3M Cordova Stormwater Control Systems

Minimization of Stormwater Contact with Contaminants

The 3M Cordova Plant has taken several steps to minimize the discharge of contaminants in stormwater. Most of the above ground storage tanks are surrounded by diked containment and control systems. The drains from the diked storage areas have valves that can be opened and closed manually. The valves are closed in order to retain the stormwater for inspection prior to discharge. The Building 20 tank farm dikes, waste tank dikes, and loading/unloading areas feed to either the chemical sewer or Outfall 004 according to test results. The West (new) above ground tank farm dikes Building 3 drains to the waste treatment plant. The drainage from the North above ground farm dikes can be diverted to either the wastewater treatment plant or the storm sewer (after inspection and testing). Stormwater runoff from the manufacturing buildings flows into the wastewater treatment plant. Stormwater sent to the wastewater treatment plant passes through a secondary treatment (biological) system to remove contaminates. Stormwater sent to the storm ditches flows through concrete piping to the stormwater ditches. The stormwater ditches terminate in concrete structures with valves and piping opening to the Mississippi River. The valves are kept closed at all times except to release stormwater to the river after inspection and testing. The plant supervisors record the opening and closing of these valves and the log sheets are kept for reference. The water in the ditches can be pumped and trucked to the wastewater treatment plant, if contaminated. This provides a second checkpoint for stormwater prior to discharge into the Mississippi River.

All storage tanks are constructed of materials compatible with the tank contents, and most above ground storage tanks have secondary containment with containment volume greater than the volume of the largest tank contained plus the 10-year, 24-hour storm. All underground storage tanks in use are coated and equipped with cathodic protection. Tanks are tested and inspected periodically.

Many storm drains along the roadways are protected by curbs and gates designed to prevent spills from getting into the storm sewer ditches. Additionally, all storm drains onsite are fed into outlet pipes that have closed valves to prevent spills from getting into the waterway. Containment in excess of the roadway containment is provided in sub-watersheds C & D that contains the plant site.

All pipe supports have been properly designed to minimize abrasion and corrosion and to allow for expansion and contraction. Above ground pipelines and valves are inspected on a scheduled basis. Containing and cleaning up spills is our highest priority to minimize contaminants discharged to the storm drains. The spill containment, cleanup, notification, and reporting procedures for the 3M Cordova Plant can be found in the 3M Emergency Response "Red Book" SOP's. The location and usage of cleanup equipment can be found in the SPCC Plan.

Attachment 2F-IVC

Description of 3M Cordova Stormwater Control Systems

STORMWATER MONITORING

IEPA NPDES Permit No. IL0003140, Special Condition 11 requires storm water monitoring for Outfalls 002, 003, and 004 (outfalls A, C, and D). The storm water monitoring must be conducted once per quarter for both dissolved and total iron. All other parameters must be conducted on a yearly basis, and the results submitted to the IEPA with the December Discharge Monitoring Report.

Attachment 2F-VII-002
Outfall 002 Analytical Results
2004 - 2006

Outfall 002 Sample Date	ANALYSIS	Analyte	Results	Units
10/08/04	EPA_8081	4,4'-DDD	<0.053	UG/L
09/28/05	EPA_8081	4,4'-DDD	<0.14	UG/L
07/11/06	EPA_8081	4,4'-DDD	<0.10	UG/L
10/08/04	EPA_8081	4,4'-DDE	<0.053	UG/L
09/28/05	EPA_8081	4,4'-DDE	<0.14	UG/L
07/11/06	EPA_8081	4,4'-DDE	<0.10	UG/L
10/08/04	EPA_8081	4,4'-DDT	<0.053	UG/L
09/28/05	EPA_8081	4,4'-DDT	<0.14	UG/L
07/11/06	EPA_8081	4,4'-DDT	<0.10	UG/L
10/08/04	EPA_8081	Aldrin	<0.026	UG/L
09/28/05	EPA_8081	Aldrin	<0.14	UG/L
07/11/06	EPA_8081	Aldrin	<0.051	UG/L
10/08/04	EPA_8081	alpha-BHC	0.049	UG/L
09/28/05	EPA_8081	alpha-BHC	<0.14	UG/L
07/11/06	EPA_8081	alpha-BHC	<0.051	UG/L
10/08/04	EPA_8081	alpha-Chlordane	<0.026	UG/L
09/28/05	EPA_8081	alpha-Chlordane	<0.14	UG/L
07/11/06	EPA_8081	alpha-Chlordane	<0.051	UG/L
10/08/04	EPA_8081	beta-BHC	<0.026	UG/L
09/28/05	EPA_8081	beta-BHC	<0.14	UG/L
07/11/06	EPA_8081	beta-BHC	<0.051	UG/L
07/11/06	EPA_8081	Chlordane	<1.0	UG/L
10/08/04	EPA_8081	delta-BHC	<0.026	UG/L
09/28/05	EPA_8081	delta-BHC	<0.14	UG/L
07/11/06	EPA_8081	delta-BHC	<0.051	UG/L
10/08/04	EPA_8081	Dieldrin	<0.053	UG/L
09/28/05	EPA_8081	Dieldrin	<0.14	UG/L
07/11/06	EPA_8081	Dieldrin	<0.10	UG/L
10/08/04	EPA_8081	Endosulfan I	<0.053	UG/L
09/28/05	EPA_8081	Endosulfan I	<0.14	UG/L
07/11/06	EPA_8081	Endosulfan I	<0.051	UG/L
10/08/04	EPA_8081	Endosulfan II	<0.053	UG/L
09/28/05	EPA_8081	Endosulfan II	<0.14	UG/L
07/11/06	EPA_8081	Endosulfan II	<0.10	UG/L
10/08/04	EPA_8081	Endosulfan Sulfate	<0.053	UG/L
09/28/05	EPA_8081	Endosulfan Sulfate	<0.14	UG/L
07/11/06	EPA_8081	Endosulfan Sulfate	<0.10	UG/L
10/08/04	EPA_8081	Endrin	<0.053	UG/L
09/28/05	EPA_8081	Endrin	<0.14	UG/L
07/11/06	EPA_8081	Endrin	<0.10	UG/L
10/08/04	EPA_8081	Endrin Aldehyde	<0.053	UG/L
09/28/05	EPA_8081	Endrin Aldehyde	<0.14	UG/L
07/11/06	EPA_8081	Endrin Aldehyde	<0.10	UG/L
10/08/04	EPA_8081	Endrin Ketone	0.053	UG/L
09/28/05	EPA_8081	Endrin Ketone	<0.14	UG/L
07/11/06	EPA_8081	Endrin Ketone	<0.10	UG/L
10/08/04	EPA_8081	gamma-BHC	<0.026	UG/L
09/28/05	EPA_8081	gamma-BHC	<0.14	UG/L
07/11/06	EPA_8081	gamma-BHC	<0.051	UG/L
10/08/04	EPA_8081	gamma-Chlordane	<0.026	UG/L
09/28/05	EPA_8081	gamma-Chlordane	<0.14	UG/L
07/11/06	EPA_8081	gamma-Chlordane	<0.051	UG/L
10/08/04	EPA_8081	Heptachlor	<0.026	UG/L
09/28/05	EPA_8081	Heptachlor	<0.14	UG/L
07/11/06	EPA_8081	Heptachlor	<0.051	UG/L
10/08/04	EPA_8081	Heptachlor Epoxide	<0.026	UG/L
09/28/05	EPA_8081	Heptachlor Epoxide	<0.14	UG/L
07/11/06	EPA_8081	Heptachlor Epoxide	<0.051	UG/L
10/08/04	EPA_8081	Methoxychlor	<0.26	UG/L
09/28/05	EPA_8081	Methoxychlor	<0.14	UG/L
07/11/06	EPA_8081	Methoxychlor	<0.51	UG/L
10/08/04	EPA_8081	Toxaphene	<2.6	UG/L
09/28/05	EPA_8081	Toxaphene	<2.6	UG/L
07/11/06	EPA_8081	Toxaphene	<5.1	UG/L
10/08/04	EPA_8082	Arochlor 1016	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1016	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1016	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1221	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1221	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1221	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1232	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1232	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1232	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1242	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1242	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1242	<0.10	UG/L

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Outfall 002 Sample Date	ANALYSIS	Analyte	Results	Units
10/08/04	EPA_8082	Arochlor 1248	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1248	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1248	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1254	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1254	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1254	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1260	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1260	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1260	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1268	<1.0	UG/L
09/28/05	EPA_8082	Arochlor 1268	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1268	<0.10	UG/L
10/08/04	FORM	Formaldehyde	<0.050	MG/L
09/28/05	FORM	Formaldehyde	0.086	MG/L
07/11/06	FORM	Formaldehyde	<0.05	MG/L
10/08/04	GCMS_SV	1,2,4-Trichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	1,2,4-Trichlorobenzene	<5.5	UG/L
07/11/06	GCMS_SV	1,2,4-Trichlorobenzene	<10.3	UG/L
10/08/04	GCMS_SV	1,2-Dichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	1,2-Dichlorobenzene	<5.5	UG/L
07/11/06	GCMS_SV	1,2-Dichlorobenzene	<10.3	UG/L
10/08/04	GCMS_SV	1,2-Diphenylhydrazine	<5.3	UG/L
09/28/05	GCMS_SV	1,2-Diphenylhydrazine	<5.5	UG/L
07/11/06	GCMS_SV	1,2-Diphenylhydrazine	<10.3	UG/L
10/08/04	GCMS_SV	1,3-Dichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	1,3-Dichlorobenzene	<5.5	UG/L
07/11/06	GCMS_SV	1,3-Dichlorobenzene	<10.3	UG/L
10/08/04	GCMS_SV	1,4-Dichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	1,4-Dichlorobenzene	<5.5	UG/L
07/11/06	GCMS_SV	1,4-Dichlorobenzene	<10.3	UG/L
10/08/04	GCMS_SV	2,4,6-Trichlorophenol	<5.3	UG/L
09/28/05	GCMS_SV	2,4,6-Trichlorophenol	<5.5	UG/L
07/11/06	GCMS_SV	2,4,6-Trichlorophenol	<10.3	UG/L
10/08/04	GCMS_SV	2,4-Dichlorophenol	<11	UG/L
09/28/05	GCMS_SV	2,4-Dichlorophenol	<11	UG/L
07/11/06	GCMS_SV	2,4-Dichlorophenol	<10.3	UG/L
10/08/04	GCMS_SV	2,4-Dimethylphenol	<5.3	UG/L
09/28/05	GCMS_SV	2,4-Dimethylphenol	<5.5	UG/L
07/11/06	GCMS_SV	2,4-Dimethylphenol	<10.3	UG/L
10/08/04	GCMS_SV	2,4-Dinitrophenol	5.5	UG/L
09/28/05	GCMS_SV	2,4-Dinitrophenol	<5.5	UG/L
07/11/06	GCMS_SV	2,4-Dinitrophenol	<51.3	UG/L
10/08/04	GCMS_SV	2,4-Dinitrotoluene	<5.3	UG/L
09/28/05	GCMS_SV	2,4-Dinitrotoluene	<5.5	UG/L
07/11/06	GCMS_SV	2,4-Dinitrotoluene	<10.3	UG/L
10/08/04	GCMS_SV	2,6-Dinitrotoluene	<5.3	UG/L
09/28/05	GCMS_SV	2,6-Dinitrotoluene	<5.5	UG/L
07/11/06	GCMS_SV	2,6-Dinitrotoluene	<10.3	UG/L
10/08/04	GCMS_SV	2-Chloronaphthalene	<5.3	UG/L
09/28/05	GCMS_SV	2-Chloronaphthalene	<5.5	UG/L
07/11/06	GCMS_SV	2-Chloronaphthalene	<10.3	UG/L
10/08/04	GCMS_SV	2-Chlorophenol	<11	UG/L
09/28/05	GCMS_SV	2-Chlorophenol	<11	UG/L
07/11/06	GCMS_SV	2-Chlorophenol	<10.3	UG/L
10/08/04	GCMS_SV	2-Nitrophenol	<11	UG/L
09/28/05	GCMS_SV	2-Nitrophenol	<11	UG/L
07/11/06	GCMS_SV	2-Nitrophenol	<10.3	UG/L
10/08/04	GCMS_SV	3,3'-Dichlorobenzidine	<5.3	UG/L
09/28/05	GCMS_SV	3,3'-Dichlorobenzidine	<5.5	UG/L
07/11/06	GCMS_SV	3,3'-Dichlorobenzidine	<20.5	UG/L
10/08/04	GCMS_SV	4,6-Dinitro-2-methylphenol	<5.3	UG/L
09/28/05	GCMS_SV	4,6-Dinitro-2-methylphenol	<5.5	UG/L
07/11/06	GCMS_SV	4,6-Dinitro-2-methylphenol	<51.3	UG/L
10/08/04	GCMS_SV	4-Bromophenyl-phenylether	<5.3	UG/L
09/28/05	GCMS_SV	4-Bromophenyl-phenylether	<5.5	UG/L
07/11/06	GCMS_SV	4-Bromophenyl-phenylether	<10.3	UG/L
10/08/04	GCMS_SV	4-Chloro-3-methylphenol	<5.3	UG/L
09/28/05	GCMS_SV	4-Chloro-3-methylphenol	<5.5	UG/L
07/11/06	GCMS_SV	4-Chloro-3-methylphenol	<10.3	UG/L
10/08/04	GCMS_SV	4-Chlorophenyl-phenylether	<2.1	UG/L
09/28/05	GCMS_SV	4-Chlorophenyl-phenylether	<2.2	UG/L
07/11/06	GCMS_SV	4-Chlorophenyl-phenylether	<10.3	UG/L
10/08/04	GCMS_SV	4-Nitrophenol	<5.3	UG/L
09/28/05	GCMS_SV	4-Nitrophenol	<5.5	UG/L
07/11/06	GCMS_SV	4-Nitrophenol	<51.3	UG/L
10/08/04	GCMS_SV	Acenaphthene	<2.1	UG/L

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Outfall 002 Sample Date	ANALYSIS	Analyte	Results	Units
09/28/05	GCMS_SV	Acenaphthene	<2.2	UG/L
07/11/06	GCMS_SV	Acenaphthene	<10.3	UG/L
10/08/04	GCMS_SV	Acenaphthylene	<2.1	UG/L
09/28/05	GCMS_SV	Acenaphthylene	<2.2	UG/L
07/11/06	GCMS_SV	Acenaphthylene	<10.3	UG/L
10/08/04	GCMS_SV	Anthracene	<2.1	UG/L
09/28/05	GCMS_SV	Anthracene	<2.2	UG/L
07/11/06	GCMS_SV	Anthracene	<10.3	UG/L
10/08/04	GCMS_SV	Benzidine	<11	UG/L
09/28/05	GCMS_SV	Benzidine	<11	UG/L
07/11/06	GCMS_SV	Benzidine	<51.3	UG/L
10/08/04	GCMS_SV	Benzo(a)anthracene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(a)anthracene	<2.2	UG/L
07/11/06	GCMS_SV	Benzo(a)anthracene	<10.3	UG/L
10/08/04	GCMS_SV	Benzo(a)pyrene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(a)pyrene	<2.2	UG/L
07/11/06	GCMS_SV	Benzo(a)pyrene	<10.3	UG/L
10/08/04	GCMS_SV	Benzo(b)fluoranthene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(b)fluoranthene	<2.2	UG/L
07/11/06	GCMS_SV	Benzo(b)fluoranthene	<10.3	UG/L
10/08/04	GCMS_SV	Benzo(g,h,i)perylene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(g,h,i)perylene	<2.2	UG/L
07/11/06	GCMS_SV	Benzo(g,h,i)perylene	<10.3	UG/L
10/08/04	GCMS_SV	Benzo(k)fluoranthene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(k)fluoranthene	<2.2	UG/L
07/11/06	GCMS_SV	Benzo(k)fluoranthene	<10.3	UG/L
10/08/04	GCMS_SV	bis(2-Chloroethoxy)methane	<5.3	UG/L
09/28/05	GCMS_SV	bis(2-Chloroethoxy)methane	<5.5	UG/L
07/11/06	GCMS_SV	bis(2-Chloroethoxy)methane	<10.3	UG/L
10/08/04	GCMS_SV	bis(2-Chloroethyl)ether	<5.3	UG/L
09/28/05	GCMS_SV	bis(2-Chloroethyl)ether	<5.5	UG/L
07/11/06	GCMS_SV	bis(2-Chloroethyl)ether	<10.3	UG/L
10/08/04	GCMS_SV	bis(2-Chloroisopropyl)ether	<5.3	UG/L
09/28/05	GCMS_SV	bis(2-Chloroisopropyl)ether	<5.5	UG/L
07/11/06	GCMS_SV	bis(2-Chloroisopropyl)ether	<10.3	UG/L
10/08/04	GCMS_SV	bis(2-Ethylhexyl)phthalate	<5.3	UG/L
09/28/05	GCMS_SV	bis(2-Ethylhexyl)phthalate	<5.5	UG/L
07/11/06	GCMS_SV	bis(2-Ethylhexyl)phthalate	<10.3	UG/L
10/08/04	GCMS_SV	Butylbenzylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Butylbenzylphthalate	<5.5	UG/L
07/11/06	GCMS_SV	Butylbenzylphthalate	<10.3	UG/L
10/08/04	GCMS_SV	Chrysene	<2.1	UG/L
09/28/05	GCMS_SV	Chrysene	<2.2	UG/L
07/11/06	GCMS_SV	Chrysene	<10.3	UG/L
10/08/04	GCMS_SV	Dibenz(a,h)anthracene	<2.1	UG/L
09/28/05	GCMS_SV	Dibenz(a,h)anthracene	<2.2	UG/L
07/11/06	GCMS_SV	Dibenz(a,h)anthracene	<10.3	UG/L
10/08/04	GCMS_SV	Diethylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Diethylphthalate	<5.5	UG/L
07/11/06	GCMS_SV	Diethylphthalate	<10.3	UG/L
10/08/04	GCMS_SV	Dimethylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Dimethylphthalate	<5.5	UG/L
07/11/06	GCMS_SV	Dimethylphthalate	<10.3	UG/L
10/08/04	GCMS_SV	Di-n-butylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Di-n-butylphthalate	<5.5	UG/L
07/11/06	GCMS_SV	Di-n-butylphthalate	<10.3	UG/L
10/08/04	GCMS_SV	Di-n-octylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Di-n-octylphthalate	<5.5	UG/L
07/11/06	GCMS_SV	Di-n-octylphthalate	<10.3	UG/L
10/08/04	GCMS_SV	Fluoranthene	<2.1	UG/L
09/28/05	GCMS_SV	Fluoranthene	<2.2	UG/L
07/11/06	GCMS_SV	Fluoranthene	<10.3	UG/L
10/08/04	GCMS_SV	Fluorene	<5.3	UG/L
09/28/05	GCMS_SV	Fluorene	<5.5	UG/L
07/11/06	GCMS_SV	Fluorene	<10.3	UG/L
10/08/04	GCMS_SV	Hexachlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	Hexachlorobenzene	<5.5	UG/L
07/11/06	GCMS_SV	Hexachlorobenzene	<10.3	UG/L
10/08/04	GCMS_SV	Hexachlorobutadiene	<5.3	UG/L
09/28/05	GCMS_SV	Hexachlorobutadiene	<5.5	UG/L
07/11/06	GCMS_SV	Hexachlorobutadiene	<10.3	UG/L
10/08/04	GCMS_SV	Hexachlorocyclopentadiene	<5.3	UG/L
09/28/05	GCMS_SV	Hexachlorocyclopentadiene	<5.5	UG/L
07/11/06	GCMS_SV	Hexachlorocyclopentadiene	<51.3	UG/L
10/08/04	GCMS_SV	Hexachloroethane	<5.3	UG/L
09/28/05	GCMS_SV	Hexachloroethane	<5.5	UG/L

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Outfall 002 Sample Date	ANALYSIS	Analyte	Results	Units
07/11/06	GCMS_SV	Hexachloroethane	<10.3	UG/L
10/08/04	GCMS_SV	Indeno(1,2,3-cd)pyrene	<2.1	UG/L
09/28/05	GCMS_SV	Indeno(1,2,3-cd)pyrene	<2.2	UG/L
07/11/06	GCMS_SV	Indeno(1,2,3-cd)pyrene	<10.3	UG/L
10/08/04	GCMS_SV	Isophorone	<5.3	UG/L
09/28/05	GCMS_SV	Isophorone	<5.5	UG/L
07/11/06	GCMS_SV	Isophorone	<10.3	UG/L
10/08/04	GCMS_SV	Naphthalene	<5.3	UG/L
09/28/05	GCMS_SV	Naphthalene	<5.5	UG/L
07/11/06	GCMS_SV	Naphthalene	<10.3	UG/L
10/08/04	GCMS_SV	Nitrobenzene	<5.3	UG/L
09/28/05	GCMS_SV	Nitrobenzene	<5.5	UG/L
07/11/06	GCMS_SV	Nitrobenzene	<10.3	UG/L
10/08/04	GCMS_SV	n-Nitrosodimethylamine	<5.3	UG/L
09/28/05	GCMS_SV	n-Nitrosodimethylamine	<5.5	UG/L
07/11/06	GCMS_SV	n-Nitrosodimethylamine	<10.3	UG/L
10/08/04	GCMS_SV	N-Nitroso-di-n-propylamine	<5.3	UG/L
09/28/05	GCMS_SV	N-Nitroso-di-n-propylamine	<5.5	UG/L
07/11/06	GCMS_SV	N-Nitroso-di-n-propylamine	<10.3	UG/L
10/08/04	GCMS_SV	N-Nitrosodiphenylamine	<5.3	UG/L
09/28/05	GCMS_SV	N-Nitrosodiphenylamine	<5.5	UG/L
07/11/06	GCMS_SV	N-Nitrosodiphenylamine	<10.3	UG/L
10/08/04	GCMS_SV	Pentachlorophenol	<5.3	UG/L
09/28/05	GCMS_SV	Pentachlorophenol	<5.5	UG/L
07/11/06	GCMS_SV	Pentachlorophenol	<23.6	UG/L
10/08/04	GCMS_SV	Phenanthrene	<2.1	UG/L
09/28/05	GCMS_SV	Phenanthrene	<2.2	UG/L
07/11/06	GCMS_SV	Phenanthrene	<10.3	UG/L
10/08/04	GCMS_SV	Phenol	<11	UG/L
09/28/05	GCMS_SV	Phenol	<11	UG/L
07/11/06	GCMS_SV	Phenol	<10.3	UG/L
10/08/04	GCMS_SV	Pyrene	<2.1	UG/L
09/28/05	GCMS_SV	Pyrene	<2.2	UG/L
07/11/06	GCMS_SV	Pyrene	<10.3	UG/L
10/08/04	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,1,2-Trichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,2-Trichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,2-Trichloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,1-Dichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1-Dichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1-Dichloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,1-Dichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	1,1-Dichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	1,1-Dichloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	1,2-Dichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,2-Dichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,2-Dichloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,2-Dichloropropane	<1.0	UG/L
09/28/05	GCMS_VOA	1,2-Dichloropropane	<1.0	UG/L
07/11/06	GCMS_VOA	1,2-Dichloropropane	<1.0	UG/L
10/08/04	GCMS_VOA	2-Chloroethyl Vinyl Ether	<1.0	UG/L
09/28/05	GCMS_VOA	2-Chloroethyl Vinyl Ether	<1.0	UG/L
07/11/06	GCMS_VOA	2-Chloroethyl Vinyl Ether	<5.0	UG/L
10/08/04	GCMS_VOA	Acetone	29	UG/L
09/28/05	GCMS_VOA	Acetone	<20	UG/L
07/11/06	GCMS_VOA	Acetone	<5.0	UG/L
10/08/04	GCMS_VOA	Acrolein	<15	UG/L
09/28/05	GCMS_VOA	Acrolein	<15	UG/L
07/11/06	GCMS_VOA	Acrolein	<5.0	UG/L
10/08/04	GCMS_VOA	Acrylonitrile	<1.0	UG/L
09/28/05	GCMS_VOA	Acrylonitrile	<1.0	UG/L
07/11/06	GCMS_VOA	Acrylonitrile	<5.0	UG/L
10/08/04	GCMS_VOA	Benzene	<1.0	UG/L
09/28/05	GCMS_VOA	Benzene	<1.0	UG/L
07/11/06	GCMS_VOA	Benzene	<1.0	UG/L
10/08/04	GCMS_VOA	Bromodichloromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Bromodichloromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Bromodichloromethane	<1.0	UG/L
10/08/04	GCMS_VOA	Bromoform	<5.0	UG/L
09/28/05	GCMS_VOA	Bromoform	<5.0	UG/L
07/11/06	GCMS_VOA	Bromoform	<1.0	UG/L

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Outfall 002 Sample Date	ANALYSIS	Analyte	Results	Units
10/08/04	GCMS_VOA	Bromomethane	<1.0	UG/L
09/28/05	GCMS_VOA	Bromomethane	<1.0	UG/L
07/11/06	GCMS_VOA	Bromomethane	<1.0	UG/L
10/08/04	GCMS_VOA	Carbon tetrachloride	<1.0	UG/L
09/28/05	GCMS_VOA	Carbon tetrachloride	<1.0	UG/L
07/11/06	GCMS_VOA	Carbon tetrachloride	<1.0	UG/L
10/08/04	GCMS_VOA	Chlorobenzene	<1.0	UG/L
09/28/05	GCMS_VOA	Chlorobenzene	<1.0	UG/L
07/11/06	GCMS_VOA	Chlorobenzene	<1.0	UG/L
10/08/04	GCMS_VOA	Chloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	Chloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	Chloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	Chloroform	<1.0	UG/L
09/28/05	GCMS_VOA	Chloroform	<1.0	UG/L
07/11/06	GCMS_VOA	Chloroform	<1.0	UG/L
10/08/04	GCMS_VOA	Chloromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Chloromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Chloromethane	<1.0	UG/L
10/08/04	GCMS_VOA	cis-1,3-Dichloropropene	<1.0	UG/L
09/28/05	GCMS_VOA	cis-1,3-Dichloropropene	<1.0	UG/L
07/11/06	GCMS_VOA	cis-1,3-Dichloropropene	<1.0	UG/L
10/08/04	GCMS_VOA	Dibromochloromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Dibromochloromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Dibromochloromethane	<1.0	UG/L
10/08/04	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<1.0	UG/L
09/28/05	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<1.0	UG/L
07/11/06	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<10.0	UG/L
10/08/04	GCMS_VOA	Ethylbenzene	<1.0	UG/L
09/28/05	GCMS_VOA	Ethylbenzene	<1.0	UG/L
07/11/06	GCMS_VOA	Ethylbenzene	<1.0	UG/L
10/08/04	GCMS_VOA	m,p-Xylene	<1.0	UG/L
09/28/05	GCMS_VOA	m,p-Xylene	<1.0	UG/L
07/11/06	GCMS_VOA	m,p-Xylene	<2.0	UG/L
10/08/04	GCMS_VOA	Methylene chloride	<5.0	UG/L
09/28/05	GCMS_VOA	Methylene chloride	<5.0	UG/L
07/11/06	GCMS_VOA	Methylene chloride	<1.0	UG/L
10/08/04	GCMS_VOA	o-Xylene	<1.0	UG/L
09/28/05	GCMS_VOA	o-Xylene	<1.0	UG/L
07/11/06	GCMS_VOA	o-Xylene	<1.0	UG/L
10/08/04	GCMS_VOA	Tetrachloroethene	<2.0	UG/L
09/28/05	GCMS_VOA	Tetrachloroethene	<2.0	UG/L
07/11/06	GCMS_VOA	Tetrachloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	Tetrahydrofuran	<5.0	UG/L
09/28/05	GCMS_VOA	Tetrahydrofuran	<5.0	UG/L
07/11/06	GCMS_VOA	Tetrahydrofuran	<10.0	UG/L
10/08/04	GCMS_VOA	Toluene	<1.0	UG/L
09/28/05	GCMS_VOA	Toluene	<1.0	UG/L
07/11/06	GCMS_VOA	Toluene	<1.0	UG/L
10/08/04	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
09/28/05	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
07/11/06	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
10/08/04	GCMS_VOA	Trichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	Trichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	Trichloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
10/08/04	GCMS_VOA	Vinyl chloride	<1.0	UG/L
09/28/05	GCMS_VOA	Vinyl chloride	<1.0	UG/L
07/11/06	GCMS_VOA	Vinyl chloride	<1.0	UG/L
10/08/04	HG	Mercury	<0.20	UG/L
09/28/05	HG	Mercury	<0.20	UG/L
07/11/06	HG	Mercury	<0.20	UG/L
10/08/04	ICP_D	Iron (Dissolved)	81	UG/L
09/28/05	ICP_D	Iron (Dissolved)	52	UG/L
07/11/06	ICP_D	Iron (Dissolved)	<50.0	UG/L
10/08/04	ICP_L	Barium	33	UG/L
09/28/05	ICP_L	Barium	<10	UG/L
07/11/06	ICP_L	Barium	<10.0	UG/L
10/08/04	ICP_L	Beryllium	<2.0	UG/L
09/28/05	ICP_L	Beryllium	<2.0	UG/L
07/11/06	ICP_L	Beryllium	<5.0	UG/L
10/08/04	ICP_L	Boron	<50	UG/L

Attachment 2F-VII-002
Outfall 002 Analytical Results
2004 - 2006

Outfall 002 Sample Date	ANALYSIS	Analyte	Results	Units
09/28/05	ICP_L	Boron	<50	UG/L
07/11/06	ICP_L	Boron	<150	UG/L
10/08/04	ICP_L	Cadmium	<2.0	UG/L
09/28/05	ICP_L	Cadmium	<2.0	UG/L
07/11/06	ICP_L	Cadmium	<1.0	UG/L
10/08/04	ICP_L	Chromium	<5.0	UG/L
09/28/05	ICP_L	Chromium	<5.0	UG/L
07/11/06	ICP_L	Chromium	<10.0	UG/L
10/08/04	ICP_L	Cobalt	<5.0	UG/L
09/28/05	ICP_L	Cobalt	11	UG/L
07/11/06	ICP_L	Cobalt	<10.0	UG/L
10/08/04	ICP_L	Iron	1200	UG/L
09/28/05	ICP_L	Iron	3000	UG/L
07/11/06	ICP_L	Iron	723	UG/L
10/08/04	ICP_L	Manganese	95	UG/L
09/28/05	ICP_L	Manganese	21	UG/L
07/11/06	ICP_L	Manganese	9	UG/L
10/08/04	ICP_L	Nickel	<5.0	UG/L
09/28/05	ICP_L	Nickel	<5.0	UG/L
07/11/06	ICP_L	Nickel	<20.0	UG/L
10/08/04	ICP_L	Selenium	<10	UG/L
09/28/05	ICP_L	Selenium	<10	UG/L
07/11/06	ICP_L	Selenium	<15.0	UG/L
10/08/04	ICP_L	Silver	<5.0	UG/L
09/28/05	ICP_L	Silver	<5.0	UG/L
07/11/06	ICP_L	Silver	<10.0	UG/L
10/08/04	ICP_L	Zinc	25	UG/L
09/28/05	ICP_L	Zinc	90	UG/L
07/11/06	ICP_L	Zinc	119	UG/L
10/08/04	ICPMS_L	Antimony	4.5	UG/L
09/28/05	ICPMS_L	Antimony	<0.50	UG/L
07/11/06	ICPMS_L	Antimony	0.83	UG/L
10/08/04	ICPMS_L	Arsenic	1.1	UG/L
09/28/05	ICPMS_L	Arsenic	<2.0	UG/L
07/11/06	ICPMS_L	Arsenic	0.22	UG/L
10/08/04	ICPMS_L	Lead	4.3	UG/L
09/28/05	ICPMS_L	Lead	1.5	UG/L
07/11/06	ICPMS_L	Lead	0.72	UG/L
10/08/04	ICPMS_L	Thallium	<0.40	UG/L
09/28/05	ICPMS_L	Thallium	<0.40	UG/L
07/11/06	ICPMS_L	Thallium	<0.10	UG/L
07/11/06	O_G_1664	Oil & Grease	<5.1	MG/L
10/08/04	OIL_GREASE	Oil & Grease	<4.3	MG/L
09/28/05	OIL_GREASE	Oil & Grease	<3.0	MG/L
10/08/04	PHENOL_AAP	Phenol (AAP)	<0.010	MG/L
09/28/05	PHENOL_AAP	Phenol (AAP)	<0.010	MG/L
07/11/06	PHENOL_AAP	Phenol (AAP)	<100	UG/L
10/08/04	SO4	Sulfate (as SO4)	24	MG/L
09/28/05	SO4	Sulfate (as SO4)	7.4	MG/L
07/11/06	SO4	Sulfate (as SO4)	11.5	MG/L
10/08/04	TOT_CN	Total Cyanide	<0.0050	MG/L
09/28/05	TOT_CN	Total Cyanide	<0.014	MG/L
07/11/06	TOT_CN	Total Cyanide	<0.010	MG/L
10/08/04	TOT_F	Total Fluoride	0.75	MG/L
09/28/05	TOT_F	Total Fluoride	0.36	MG/L
07/11/06	SOL_F	Soluble Fluoride (Electrode)	0.2	MG/L
Volatile TIC Results				
10/08/04	VOA_TICS	Naphthalene, 1-methyl-	2.9	UG/L
Semi-Volatile TIC Results				
07/11/06	SV_TICS	2-Hexene, 2,5,5-trimethyl-	25	UG/L
07/11/06	SV_TICS	2-Pentanone	25	UG/L
09/28/05	SV_TICS	2-Propanol, 1-(2-methoxy-1-methethoxy	3.6	UG/L
09/28/05	SV_TICS	2-Propanol, 1-(2-methoxypropoxy)	6	UG/L
07/11/06	SV_TICS	Acetone	100	UG/L
07/11/06	SV_TICS	Butane, 2-chloro-2-methyl-	39.6	UG/L
10/08/04	SV_TICS	Carbamic chloride, diethyl-	2.1	UG/L
09/28/05	SV_TICS	Cyclohexane, 1,1-dimethyl-	2.2	UG/L
10/08/04	SV_TICS	Cyclohexane, 1-methyl-2-propyl-	35	UG/L
09/28/05	SV_TICS	Cyclopentene, 1,2,3,4,5-pentamethyl-	1.9	UG/L
09/28/05	SV_TICS	Ethane, 1,1'-oxybis(2-methoxy-	16	UG/L
09/28/05	SV_TICS	Octacosane	2.14	UG/L

Attachment 2F-VII-003
Outfall 003 Analytical Results
2004 - 2007

Outfall 003 Sample Date	ANALYSIS	Analyte	Results		Units
07/27/07	COLOR	Color		81	UNITS
07/27/07	EPA_8081	4,4'-DDD	<0.10		UG/L
09/28/05	EPA_8081	4,4'-DDD	<0.14		UG/L
07/11/06	EPA_8081	4,4'-DDD	<0.11		UG/L
10/08/04	EPA_8081	4,4'-DDD	<0.053		UG/L
07/27/07	EPA_8081	4,4'-DDE	<0.10		UG/L
09/28/05	EPA_8081	4,4'-DDE	<0.14		UG/L
07/11/06	EPA_8081	4,4'-DDE	<0.11		UG/L
10/08/04	EPA_8081	4,4'-DDE	<0.053		UG/L
07/27/07	EPA_8081	4,4'-DDT	<0.10		UG/L
09/28/05	EPA_8081	4,4'-DDT	<0.14		UG/L
07/11/06	EPA_8081	4,4'-DDT	<0.11		UG/L
10/08/04	EPA_8081	4,4'-DDT	<0.053		UG/L
07/27/07	EPA_8081	Aldrin	<0.050		UG/L
09/28/05	EPA_8081	Aldrin	<0.14		UG/L
07/11/06	EPA_8081	Aldrin	<0.053		UG/L
10/08/04	EPA_8081	Aldrin	<0.027		UG/L
07/27/07	EPA_8081	alpha-BHC	<0.050		UG/L
09/28/05	EPA_8081	alpha-BHC	<0.14		UG/L
07/11/06	EPA_8081	alpha-BHC	<0.053		UG/L
10/08/04	EPA_8081	alpha-BHC	<0.027		UG/L
07/27/07	EPA_8081	alpha-Chlordane	<0.050		UG/L
09/28/05	EPA_8081	alpha-Chlordane	<0.14		UG/L
07/11/06	EPA_8081	alpha-Chlordane	<0.053		UG/L
10/08/04	EPA_8081	alpha-Chlordane	<0.027		UG/L
07/27/07	EPA_8081	beta-BHC	<0.050		UG/L
09/28/05	EPA_8081	beta-BHC	<0.14		UG/L
07/11/06	EPA_8081	beta-BHC	<0.053		UG/L
10/08/04	EPA_8081	beta-BHC	<0.027		UG/L
07/27/07	EPA_8081	Chlordane	<0.20		UG/L
07/11/06	EPA_8081	Chlordane	<1.1		UG/L
07/27/07	EPA_8081	delta-BHC	<0.050		UG/L
09/28/05	EPA_8081	delta-BHC	<0.14		UG/L
07/11/06	EPA_8081	delta-BHC	<0.053		UG/L
10/08/04	EPA_8081	delta-BHC	<0.027		UG/L
07/27/07	EPA_8081	Dieldrin	<0.10		UG/L
09/28/05	EPA_8081	Dieldrin	<0.14		UG/L
07/11/06	EPA_8081	Dieldrin	<0.11		UG/L
10/08/04	EPA_8081	Dieldrin	<0.053		UG/L
07/27/07	EPA_8081	Endosulfan I	<0.050		UG/L
09/28/05	EPA_8081	Endosulfan I	<0.14		UG/L
07/11/06	EPA_8081	Endosulfan I	<0.053		UG/L
10/08/04	EPA_8081	Endosulfan I	<0.053		UG/L
07/27/07	EPA_8081	Endosulfan II	<0.10		UG/L
09/28/05	EPA_8081	Endosulfan II	<0.14		UG/L
07/11/06	EPA_8081	Endosulfan II	<0.11		UG/L
10/08/04	EPA_8081	Endosulfan II	<0.053		UG/L
07/27/07	EPA_8081	Endosulfan Sulfate	<0.50		UG/L
09/28/05	EPA_8081	Endosulfan Sulfate	<0.14		UG/L
07/11/06	EPA_8081	Endosulfan Sulfate	<0.11		UG/L
10/08/04	EPA_8081	Endosulfan Sulfate	<0.053		UG/L
07/27/07	EPA_8081	Endrin	<0.10		UG/L
09/28/05	EPA_8081	Endrin	<0.14		UG/L
07/11/06	EPA_8081	Endrin	<0.11		UG/L
10/08/04	EPA_8081	Endrin	<0.053		UG/L
07/27/07	EPA_8081	Endrin Aldehyde	<0.10		UG/L
09/28/05	EPA_8081	Endrin Aldehyde	<0.14		UG/L
07/11/06	EPA_8081	Endrin Aldehyde	<0.11		UG/L
10/08/04	EPA_8081	Endrin Aldehyde	<0.053		UG/L
07/27/07	EPA_8081	Endrin Ketone	<0.10		UG/L
09/28/05	EPA_8081	Endrin Ketone	<0.14		UG/L
07/11/06	EPA_8081	Endrin Ketone	<0.11		UG/L
10/08/04	EPA_8081	Endrin Ketone	<0.053		UG/L
07/27/07	EPA_8081	gamma-BHC	<0.050		UG/L
09/28/05	EPA_8081	gamma-BHC	<0.14		UG/L
07/11/06	EPA_8081	gamma-BHC	<0.053		UG/L
10/08/04	EPA_8081	gamma-BHC		0.072	UG/L
07/27/07	EPA_8081	gamma-Chlordane	<0.050		UG/L
09/28/05	EPA_8081	gamma-Chlordane	<0.14		UG/L
07/11/06	EPA_8081	gamma-Chlordane	<0.053		UG/L
10/08/04	EPA_8081	gamma-Chlordane	<0.027		UG/L
07/27/07	EPA_8081	Heptachlor	<0.050		UG/L
09/28/05	EPA_8081	Heptachlor	<0.14		UG/L
07/11/06	EPA_8081	Heptachlor	<0.053		UG/L
10/08/04	EPA_8081	Heptachlor	<0.027		UG/L
07/27/07	EPA_8081	Heptachlor Epoxide	<0.060		UG/L
09/28/05	EPA_8081	Heptachlor Epoxide	<0.14		UG/L
07/11/06	EPA_8081	Heptachlor Epoxide	<0.053		UG/L
10/08/04	EPA_8081	Heptachlor Epoxide	<0.027		UG/L
07/27/07	EPA_8081	Methoxychlor	<0.50		UG/L
09/28/05	EPA_8081	Methoxychlor	<0.14		UG/L
07/11/06	EPA_8081	Methoxychlor	<0.53		UG/L
10/08/04	EPA_8081	Methoxychlor	<0.27		UG/L
07/27/07	EPA_8081	Toxaphene	<2.5		UG/L
09/28/05	EPA_8081	Toxaphene	<2.7		UG/L
07/11/06	EPA_8081	Toxaphene	<5.3		UG/L
10/08/04	EPA_8081	Toxaphene	<2.7		UG/L
07/27/07	EPA_8082	Arochlor 1016	<0.11		UG/L
09/28/05	EPA_8082	Arochlor 1016	<0.96		UG/L
07/11/06	EPA_8082	Arochlor 1016	<0.10		UG/L

Attachment 2F-VII-003
Outfall 003 Analytical Results
2004 - 2007

Outfall 003 Sample Date	ANALYSIS	Analyte	Results	Units
10/08/04	EPA_8082	Arochlor 1016	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1221	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1221	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1221	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1221	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1232	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1232	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1232	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1232	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1242	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1242	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1242	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1242	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1248	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1248	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1248	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1248	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1254	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1254	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1254	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1254	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1260	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1260	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1260	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1260	<0.95	UG/L
07/27/07	EPA_8082	Arochlor 1268	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1268	<0.96	UG/L
07/11/06	EPA_8082	Arochlor 1268	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1268	<0.95	UG/L
07/27/07	FEC_COLIF	Fecal Coliform Bacteria	>600	CFU/100ML
09/28/05	FORM	Formaldehyde	0.069	MG/L
07/27/07	FORM	Formaldehyde	<50	UG/L
07/11/06	FORM	Formaldehyde	<0.05	MG/L
10/08/04	FORM	Formaldehyde	<0.050	MG/L
07/27/07	GCMS_SV	1,2,4-Trichlorobenzene	<11.1	UG/L
09/28/05	GCMS_SV	1,2,4-Trichlorobenzene	<5.3	UG/L
07/11/06	GCMS_SV	1,2,4-Trichlorobenzene	<10.1	UG/L
10/08/04	GCMS_SV	1,2,4-Trichlorobenzene	<5.3	UG/L
07/27/07	GCMS_SV	1,2-Dichlorobenzene	<11.1	UG/L
09/28/05	GCMS_SV	1,2-Dichlorobenzene	<5.3	UG/L
07/11/06	GCMS_SV	1,2-Dichlorobenzene	<10.1	UG/L
10/08/04	GCMS_SV	1,2-Dichlorobenzene	<5.3	UG/L
07/27/07	GCMS_SV	1,2-Diphenylhydrazine	<11.1	UG/L
09/28/05	GCMS_SV	1,2-Diphenylhydrazine	<5.3	UG/L
07/11/06	GCMS_SV	1,2-Diphenylhydrazine	<10.1	UG/L
10/08/04	GCMS_SV	1,2-Diphenylhydrazine	<5.3	UG/L
07/27/07	GCMS_SV	1,3-Dichlorobenzene	<11.1	UG/L
09/28/05	GCMS_SV	1,3-Dichlorobenzene	<5.3	UG/L
07/11/06	GCMS_SV	1,3-Dichlorobenzene	<10.1	UG/L
10/08/04	GCMS_SV	1,3-Dichlorobenzene	<5.3	UG/L
07/27/07	GCMS_SV	1,4-Dichlorobenzene	<11.1	UG/L
09/28/05	GCMS_SV	1,4-Dichlorobenzene	<5.3	UG/L
07/11/06	GCMS_SV	1,4-Dichlorobenzene	<10.1	UG/L
10/08/04	GCMS_SV	1,4-Dichlorobenzene	<5.3	UG/L
07/27/07	GCMS_SV	2,4,6-Trichlorophenol	<11.1	UG/L
09/28/05	GCMS_SV	2,4,6-Trichlorophenol	<5.3	UG/L
07/11/06	GCMS_SV	2,4,6-Trichlorophenol	<10.1	UG/L
10/08/04	GCMS_SV	2,4,6-Trichlorophenol	<5.3	UG/L
07/27/07	GCMS_SV	2,4-Dichlorophenol	<11.1	UG/L
09/28/05	GCMS_SV	2,4-Dichlorophenol	<11	UG/L
07/11/06	GCMS_SV	2,4-Dichlorophenol	<10.1	UG/L
10/08/04	GCMS_SV	2,4-Dichlorophenol	<11	UG/L
07/27/07	GCMS_SV	2,4-Dimethylphenol	<11.1	UG/L
09/28/05	GCMS_SV	2,4-Dimethylphenol	<5.3	UG/L
07/11/06	GCMS_SV	2,4-Dimethylphenol	<10.1	UG/L
10/08/04	GCMS_SV	2,4-Dimethylphenol	<5.3	UG/L
07/27/07	GCMS_SV	2,4-Dinitrophenol	<55.6	UG/L
09/28/05	GCMS_SV	2,4-Dinitrophenol	<5.3	UG/L
07/11/06	GCMS_SV	2,4-Dinitrophenol	<50.3	UG/L
10/08/04	GCMS_SV	2,4-Dinitrophenol	<5.3	UG/L
07/27/07	GCMS_SV	2,4-Dinitrotoluene	<11.1	UG/L
09/28/05	GCMS_SV	2,4-Dinitrotoluene	<5.3	UG/L
07/11/06	GCMS_SV	2,4-Dinitrotoluene	<10.1	UG/L
10/08/04	GCMS_SV	2,4-Dinitrotoluene	<5.3	UG/L
07/27/07	GCMS_SV	2,6-Dinitrotoluene	<11.1	UG/L
09/28/05	GCMS_SV	2,6-Dinitrotoluene	<5.3	UG/L
07/11/06	GCMS_SV	2,6-Dinitrotoluene	<10.1	UG/L
10/08/04	GCMS_SV	2,6-Dinitrotoluene	<5.3	UG/L
07/27/07	GCMS_SV	2-Chloronaphthalene	<11.1	UG/L
09/28/05	GCMS_SV	2-Chloronaphthalene	<5.3	UG/L
07/11/06	GCMS_SV	2-Chloronaphthalene	<10.1	UG/L
10/08/04	GCMS_SV	2-Chloronaphthalene	<5.3	UG/L
07/27/07	GCMS_SV	2-Chlorophenol	<11.1	UG/L
09/28/05	GCMS_SV	2-Chlorophenol	<11	UG/L
07/11/06	GCMS_SV	2-Chlorophenol	<10.1	UG/L
10/08/04	GCMS_SV	2-Chlorophenol	<11	UG/L
07/27/07	GCMS_SV	2-Nitrophenol	<11.1	UG/L
09/28/05	GCMS_SV	2-Nitrophenol	<11	UG/L
07/11/06	GCMS_SV	2-Nitrophenol	<10.1	UG/L
10/08/04	GCMS_SV	2-Nitrophenol	<11	UG/L

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Outfall 003 Sample Date	ANALYSIS	Analyte	Results	Units
07/27/07	GCMS_SV	3,3'-Dichlorobenzidine	<22.2	UG/L
09/28/05	GCMS_SV	3,3'-Dichlorobenzidine	<5.3	UG/L
07/11/06	GCMS_SV	3,3'-Dichlorobenzidine	<20.1	UG/L
10/08/04	GCMS_SV	3,3'-Dichlorobenzidine	<5.3	UG/L
07/27/07	GCMS_SV	4,6-Dinitro-2-methylphenol	<55.6	UG/L
09/28/05	GCMS_SV	4,6-Dinitro-2-methylphenol	<5.3	UG/L
07/11/06	GCMS_SV	4,6-Dinitro-2-methylphenol	<50.3	UG/L
10/08/04	GCMS_SV	4,6-Dinitro-2-methylphenol	<5.3	UG/L
07/27/07	GCMS_SV	4-Bromophenyl-phenylether	<11.1	UG/L
09/28/05	GCMS_SV	4-Bromophenyl-phenylether	<5.3	UG/L
07/11/06	GCMS_SV	4-Bromophenyl-phenylether	<10.1	UG/L
10/08/04	GCMS_SV	4-Bromophenyl-phenylether	<5.3	UG/L
07/27/07	GCMS_SV	4-Chloro-3-methylphenol	<11.1	UG/L
09/28/05	GCMS_SV	4-Chloro-3-methylphenol	<5.3	UG/L
07/11/06	GCMS_SV	4-Chloro-3-methylphenol	<10.1	UG/L
10/08/04	GCMS_SV	4-Chloro-3-methylphenol	<5.3	UG/L
07/27/07	GCMS_SV	4-Chlorophenyl-phenylether	<11.1	UG/L
09/28/05	GCMS_SV	4-Chlorophenyl-phenylether	<2.1	UG/L
07/11/06	GCMS_SV	4-Chlorophenyl-phenylether	<10.1	UG/L
10/08/04	GCMS_SV	4-Chlorophenyl-phenylether	<2.1	UG/L
07/27/07	GCMS_SV	4-Nitrophenol	<55.6	UG/L
09/28/05	GCMS_SV	4-Nitrophenol	<5.3	UG/L
07/11/06	GCMS_SV	4-Nitrophenol	<50.3	UG/L
10/08/04	GCMS_SV	4-Nitrophenol	<5.3	UG/L
07/27/07	GCMS_SV	Acenaphthene	<11.1	UG/L
09/28/05	GCMS_SV	Acenaphthene	<2.1	UG/L
07/11/06	GCMS_SV	Acenaphthene	<10.1	UG/L
10/08/04	GCMS_SV	Acenaphthene	<2.1	UG/L
07/27/07	GCMS_SV	Acenaphthylene	<11.1	UG/L
09/28/05	GCMS_SV	Acenaphthylene	<2.1	UG/L
07/11/06	GCMS_SV	Acenaphthylene	<10.1	UG/L
10/08/04	GCMS_SV	Acenaphthylene	<2.1	UG/L
07/27/07	GCMS_SV	Anthracene	<11.1	UG/L
09/28/05	GCMS_SV	Anthracene	<2.1	UG/L
07/11/06	GCMS_SV	Anthracene	<10.1	UG/L
10/08/04	GCMS_SV	Anthracene	<2.1	UG/L
07/27/07	GCMS_SV	Benzidine	<55.6	UG/L
09/28/05	GCMS_SV	Benzidine	<11	UG/L
07/11/06	GCMS_SV	Benzidine	<50.3	UG/L
10/08/04	GCMS_SV	Benzidine	<11	UG/L
07/27/07	GCMS_SV	Benzo(a)anthracene	<11.1	UG/L
09/28/05	GCMS_SV	Benzo(a)anthracene	<2.1	UG/L
07/11/06	GCMS_SV	Benzo(a)anthracene	<10.1	UG/L
10/08/04	GCMS_SV	Benzo(a)anthracene	<2.1	UG/L
07/27/07	GCMS_SV	Benzo(a)pyrene	<11.1	UG/L
09/28/05	GCMS_SV	Benzo(a)pyrene	<2.1	UG/L
07/11/06	GCMS_SV	Benzo(a)pyrene	<10.1	UG/L
10/08/04	GCMS_SV	Benzo(a)pyrene	<2.1	UG/L
07/27/07	GCMS_SV	Benzo(b)fluoranthene	<11.1	UG/L
09/28/05	GCMS_SV	Benzo(b)fluoranthene	<2.1	UG/L
07/11/06	GCMS_SV	Benzo(b)fluoranthene	<10.1	UG/L
10/08/04	GCMS_SV	Benzo(b)fluoranthene	<2.1	UG/L
07/27/07	GCMS_SV	Benzo(g,h,i)perylene	<11.1	UG/L
09/28/05	GCMS_SV	Benzo(g,h,i)perylene	<2.1	UG/L
07/11/06	GCMS_SV	Benzo(g,h,i)perylene	<10.1	UG/L
10/08/04	GCMS_SV	Benzo(g,h,i)perylene	<2.1	UG/L
07/27/07	GCMS_SV	Benzo(k)fluoranthene	<11.1	UG/L
09/28/05	GCMS_SV	Benzo(k)fluoranthene	<2.1	UG/L
07/11/06	GCMS_SV	Benzo(k)fluoranthene	<10.1	UG/L
10/08/04	GCMS_SV	Benzo(k)fluoranthene	<2.1	UG/L
07/27/07	GCMS_SV	bis(2-Chloroethoxy)methane	<11.1	UG/L
09/28/05	GCMS_SV	bis(2-Chloroethoxy)methane	<5.3	UG/L
07/11/06	GCMS_SV	bis(2-Chloroethoxy)methane	<10.1	UG/L
10/08/04	GCMS_SV	bis(2-Chloroethoxy)methane	<5.3	UG/L
07/27/07	GCMS_SV	bis(2-Chloroethyl)ether	<11.1	UG/L
09/28/05	GCMS_SV	bis(2-Chloroethyl)ether	<5.3	UG/L
07/11/06	GCMS_SV	bis(2-Chloroethyl)ether	<10.1	UG/L
10/08/04	GCMS_SV	bis(2-Chloroethyl)ether	<5.3	UG/L
07/27/07	GCMS_SV	bis(2-Chloroisopropyl)ether	<11.1	UG/L
09/28/05	GCMS_SV	bis(2-Chloroisopropyl)ether	<5.3	UG/L
07/11/06	GCMS_SV	bis(2-Chloroisopropyl)ether	<10.1	UG/L
10/08/04	GCMS_SV	bis(2-Chloroisopropyl)ether	<5.3	UG/L
07/27/07	GCMS_SV	bis(2-Ethylhexyl)phthalate	<11.1	UG/L
09/28/05	GCMS_SV	bis(2-Ethylhexyl)phthalate	<5.3	UG/L
07/11/06	GCMS_SV	bis(2-Ethylhexyl)phthalate	<10.1	UG/L
10/08/04	GCMS_SV	bis(2-Ethylhexyl)phthalate	<5.3	UG/L
07/27/07	GCMS_SV	Butylbenzylphthalate	<11.1	UG/L
09/28/05	GCMS_SV	Butylbenzylphthalate	<5.3	UG/L
07/11/06	GCMS_SV	Butylbenzylphthalate	<10.1	UG/L
10/08/04	GCMS_SV	Butylbenzylphthalate	<5.3	UG/L
07/27/07	GCMS_SV	Chrysene	<11.1	UG/L
09/28/05	GCMS_SV	Chrysene	<2.1	UG/L
07/11/06	GCMS_SV	Chrysene	<10.1	UG/L
10/08/04	GCMS_SV	Chrysene	<2.1	UG/L
07/27/07	GCMS_SV	Dibenz(a,h)anthracene	<11.1	UG/L
09/28/05	GCMS_SV	Dibenz(a,h)anthracene	<2.1	UG/L
07/11/06	GCMS_SV	Dibenz(a,h)anthracene	<10.1	UG/L
10/08/04	GCMS_SV	Dibenz(a,h)anthracene	<2.1	UG/L
07/27/07	GCMS_SV	Diethylphthalate	<11.1	UG/L
09/28/05	GCMS_SV	Diethylphthalate	<5.3	UG/L

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Outfall 003 Sample Date	ANALYSIS	Analyte	Results	Units
07/11/06	GCMS_SV	Diethylphthalate	<10.1	UG/L
10/08/04	GCMS_SV	Diethylphthalate	<5.3	UG/L
07/27/07	GCMS_SV	Dimethylphthalate	<11.1	UG/L
09/28/05	GCMS_SV	Dimethylphthalate	<5.3	UG/L
07/11/06	GCMS_SV	Dimethylphthalate	<10.1	UG/L
10/08/04	GCMS_SV	Dimethylphthalate	<5.3	UG/L
07/27/07	GCMS_SV	Di-n-butylphthalate	<11.1	UG/L
09/28/05	GCMS_SV	Di-n-butylphthalate	<5.3	UG/L
07/11/06	GCMS_SV	Di-n-butylphthalate	<10.1	UG/L
10/08/04	GCMS_SV	Di-n-butylphthalate	<5.3	UG/L
07/27/07	GCMS_SV	Di-n-octylphthalate	<11.1	UG/L
09/28/05	GCMS_SV	Di-n-octylphthalate	<5.3	UG/L
07/11/06	GCMS_SV	Di-n-octylphthalate	<10.1	UG/L
10/08/04	GCMS_SV	Di-n-octylphthalate	<5.3	UG/L
07/27/07	GCMS_SV	Fluoranthene	<11.1	UG/L
09/28/05	GCMS_SV	Fluoranthene	<2.1	UG/L
07/11/06	GCMS_SV	Fluoranthene	<10.1	UG/L
10/08/04	GCMS_SV	Fluoranthene	<2.1	UG/L
07/27/07	GCMS_SV	Fluorene	<11.1	UG/L
09/28/05	GCMS_SV	Fluorene	<5.3	UG/L
07/11/06	GCMS_SV	Fluorene	<10.1	UG/L
10/08/04	GCMS_SV	Fluorene	<5.3	UG/L
07/27/07	GCMS_SV	Hexachlorobenzene	<11.1	UG/L
09/28/05	GCMS_SV	Hexachlorobenzene	<5.3	UG/L
07/11/06	GCMS_SV	Hexachlorobenzene	<10.1	UG/L
10/08/04	GCMS_SV	Hexachlorobenzene	<5.3	UG/L
07/27/07	GCMS_SV	Hexachlorobutadiene	<11.1	UG/L
09/28/05	GCMS_SV	Hexachlorobutadiene	<5.3	UG/L
07/11/06	GCMS_SV	Hexachlorobutadiene	<10.1	UG/L
10/08/04	GCMS_SV	Hexachlorobutadiene	<5.3	UG/L
07/27/07	GCMS_SV	Hexachlorocyclopentadiene	<55.6	UG/L
09/28/05	GCMS_SV	Hexachlorocyclopentadiene	<5.3	UG/L
07/11/06	GCMS_SV	Hexachlorocyclopentadiene	<50.3	UG/L
10/08/04	GCMS_SV	Hexachlorocyclopentadiene	<5.3	UG/L
07/27/07	GCMS_SV	Hexachloroethane	<11.1	UG/L
09/28/05	GCMS_SV	Hexachloroethane	<5.3	UG/L
07/11/06	GCMS_SV	Hexachloroethane	<10.1	UG/L
10/08/04	GCMS_SV	Hexachloroethane	<5.3	UG/L
07/27/07	GCMS_SV	Indeno(1,2,3-cd)pyrene	<11.1	UG/L
09/28/05	GCMS_SV	Indeno(1,2,3-cd)pyrene	<2.1	UG/L
07/11/06	GCMS_SV	Indeno(1,2,3-cd)pyrene	<10.1	UG/L
10/08/04	GCMS_SV	Indeno(1,2,3-cd)pyrene	<2.1	UG/L
07/27/07	GCMS_SV	Isophorone	<11.1	UG/L
09/28/05	GCMS_SV	Isophorone	<5.3	UG/L
07/11/06	GCMS_SV	Isophorone	<10.1	UG/L
10/08/04	GCMS_SV	Isophorone	<5.3	UG/L
07/27/07	GCMS_SV	Naphthalene	<11.1	UG/L
09/28/05	GCMS_SV	Naphthalene	<5.3	UG/L
07/11/06	GCMS_SV	Naphthalene	<10.1	UG/L
10/08/04	GCMS_SV	Naphthalene	<5.3	UG/L
07/27/07	GCMS_SV	Nitrobenzene	<11.1	UG/L
09/28/05	GCMS_SV	Nitrobenzene	<5.3	UG/L
07/11/06	GCMS_SV	Nitrobenzene	<10.1	UG/L
10/08/04	GCMS_SV	Nitrobenzene	<5.3	UG/L
07/27/07	GCMS_SV	n-Nitrosodimethylamine	<11.1	UG/L
09/28/05	GCMS_SV	n-Nitrosodimethylamine	<5.3	UG/L
07/11/06	GCMS_SV	n-Nitrosodimethylamine	<10.1	UG/L
10/08/04	GCMS_SV	n-Nitrosodimethylamine	<5.3	UG/L
07/27/07	GCMS_SV	N-Nitroso-di-n-propylamine	<11.1	UG/L
09/28/05	GCMS_SV	N-Nitroso-di-n-propylamine	<5.3	UG/L
07/11/06	GCMS_SV	N-Nitroso-di-n-propylamine	<10.1	UG/L
10/08/04	GCMS_SV	N-Nitroso-di-n-propylamine	<5.3	UG/L
07/27/07	GCMS_SV	N-Nitrosodiphenylamine	<11.1	UG/L
09/28/05	GCMS_SV	N-Nitrosodiphenylamine	<5.3	UG/L
07/11/06	GCMS_SV	N-Nitrosodiphenylamine	<10.1	UG/L
10/08/04	GCMS_SV	N-Nitrosodiphenylamine	<5.3	UG/L
07/27/07	GCMS_SV	Pentachlorophenol	<25.6	UG/L
09/28/05	GCMS_SV	Pentachlorophenol	<5.3	UG/L
07/11/06	GCMS_SV	Pentachlorophenol	<23.1	UG/L
10/08/04	GCMS_SV	Pentachlorophenol	<5.3	UG/L
07/27/07	GCMS_SV	Phenanthrene	<11.1	UG/L
09/28/05	GCMS_SV	Phenanthrene	<2.1	UG/L
07/11/06	GCMS_SV	Phenanthrene	<10.1	UG/L
10/08/04	GCMS_SV	Phenanthrene	<2.1	UG/L
07/27/07	GCMS_SV	Phenol	<11.1	UG/L
09/28/05	GCMS_SV	Phenol	<11	UG/L
07/11/06	GCMS_SV	Phenol	<10.1	UG/L
10/08/04	GCMS_SV	Phenol	<11	UG/L
07/27/07	GCMS_SV	Pyrene	<11.1	UG/L
09/28/05	GCMS_SV	Pyrene	<2.1	UG/L
07/11/06	GCMS_SV	Pyrene	<10.1	UG/L
10/08/04	GCMS_SV	Pyrene	<2.1	UG/L
07/27/07	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
10/08/04	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L

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Outfall 003 Sample Date	ANALYSIS	Analyte	Results		Units
07/27/07	GCMS_VOA	1,1,2-Trichloroethane	<1.0		UG/L
09/28/05	GCMS_VOA	1,1,2-Trichloroethane	<1.0		UG/L
07/11/06	GCMS_VOA	1,1,2-Trichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	1,1,2-Trichloroethane	<1.0		UG/L
07/27/07	GCMS_VOA	1,1-Dichloroethane	<1.0		UG/L
09/28/05	GCMS_VOA	1,1-Dichloroethane	<1.0		UG/L
07/11/06	GCMS_VOA	1,1-Dichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	1,1-Dichloroethane	<1.0		UG/L
07/27/07	GCMS_VOA	1,1-Dichloroethene	<1.0		UG/L
09/28/05	GCMS_VOA	1,1-Dichloroethene	<1.0		UG/L
07/11/06	GCMS_VOA	1,1-Dichloroethene	<1.0		UG/L
10/08/04	GCMS_VOA	1,1-Dichloroethene	<1.0		UG/L
07/27/07	GCMS_VOA	1,2-Dichloroethane	<1.0		UG/L
09/28/05	GCMS_VOA	1,2-Dichloroethane	<1.0		UG/L
07/11/06	GCMS_VOA	1,2-Dichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	1,2-Dichloroethane	<1.0		UG/L
07/27/07	GCMS_VOA	1,2-Dichloropropane	<1.0		UG/L
09/28/05	GCMS_VOA	1,2-Dichloropropane	<1.0		UG/L
07/11/06	GCMS_VOA	1,2-Dichloropropane	<1.0		UG/L
10/08/04	GCMS_VOA	1,2-Dichloropropane	<1.0		UG/L
07/27/07	GCMS_VOA	1,3-Dichlorobenzene	<1.0		UG/L
07/27/07	GCMS_VOA	2-Chloroethyl Vinyl Ether	<5.0		UG/L
09/28/05	GCMS_VOA	2-Chloroethyl Vinyl Ether	<1.0		UG/L
07/11/06	GCMS_VOA	2-Chloroethyl Vinyl Ether	<5.0		UG/L
10/08/04	GCMS_VOA	2-Chloroethyl Vinyl Ether	<1.0		UG/L
07/27/07	GCMS_VOA	Acetone		12.1	UG/L
09/28/05	GCMS_VOA	Acetone	<20		UG/L
07/11/06	GCMS_VOA	Acetone		94.8	UG/L
10/08/04	GCMS_VOA	Acetone	<20		UG/L
07/27/07	GCMS_VOA	Acrolein	<5.0		UG/L
09/28/05	GCMS_VOA	Acrolein	<15		UG/L
07/11/06	GCMS_VOA	Acrolein	<5.0		UG/L
10/08/04	GCMS_VOA	Acrolein	<15		UG/L
07/27/07	GCMS_VOA	Acrylonitrile	<5.0		UG/L
09/28/05	GCMS_VOA	Acrylonitrile	<1.0		UG/L
07/11/06	GCMS_VOA	Acrylonitrile	<5.0		UG/L
10/08/04	GCMS_VOA	Acrylonitrile	<1.0		UG/L
07/27/07	GCMS_VOA	Benzene	<1.0		UG/L
09/28/05	GCMS_VOA	Benzene	<1.0		UG/L
07/11/06	GCMS_VOA	Benzene	<1.0		UG/L
10/08/04	GCMS_VOA	Benzene	<1.0		UG/L
07/27/07	GCMS_VOA	Bromodichloromethane	<1.0		UG/L
09/28/05	GCMS_VOA	Bromodichloromethane	<1.0		UG/L
07/11/06	GCMS_VOA	Bromodichloromethane	<1.0		UG/L
10/08/04	GCMS_VOA	Bromodichloromethane	<1.0		UG/L
07/27/07	GCMS_VOA	Bromoform	<1.0		UG/L
09/28/05	GCMS_VOA	Bromoform	<5.0		UG/L
07/11/06	GCMS_VOA	Bromoform	<1.0		UG/L
10/08/04	GCMS_VOA	Bromoform	<5.0		UG/L
07/27/07	GCMS_VOA	Bromomethane	<1.0		UG/L
09/28/05	GCMS_VOA	Bromomethane	<1.0		UG/L
07/11/06	GCMS_VOA	Bromomethane	<1.0		UG/L
10/08/04	GCMS_VOA	Bromomethane	<1.0		UG/L
07/27/07	GCMS_VOA	Carbon tetrachloride	<1.0		UG/L
09/28/05	GCMS_VOA	Carbon tetrachloride	<1.0		UG/L
07/11/06	GCMS_VOA	Carbon tetrachloride	<1.0		UG/L
10/08/04	GCMS_VOA	Carbon tetrachloride	<1.0		UG/L
07/27/07	GCMS_VOA	Chlorobenzene	<1.0		UG/L
09/28/05	GCMS_VOA	Chlorobenzene	<1.0		UG/L
07/11/06	GCMS_VOA	Chlorobenzene	<1.0		UG/L
10/08/04	GCMS_VOA	Chlorobenzene	<1.0		UG/L
07/27/07	GCMS_VOA	Chloroethane	<1.0		UG/L
09/28/05	GCMS_VOA	Chloroethane	<1.0		UG/L
07/11/06	GCMS_VOA	Chloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	Chloroethane	<1.0		UG/L
07/27/07	GCMS_VOA	Chloroform	<1.0		UG/L
09/28/05	GCMS_VOA	Chloroform	<1.0		UG/L
07/11/06	GCMS_VOA	Chloroform	<1.0		UG/L
10/08/04	GCMS_VOA	Chloroform	<1.0		UG/L
07/27/07	GCMS_VOA	Chloromethane	<1.0		UG/L
09/28/05	GCMS_VOA	Chloromethane	<1.0		UG/L
07/11/06	GCMS_VOA	Chloromethane	<1.0		UG/L
10/08/04	GCMS_VOA	Chloromethane	<1.0		UG/L
07/27/07	GCMS_VOA	cis-1,3-Dichloropropene	<1.0		UG/L
09/28/05	GCMS_VOA	cis-1,3-Dichloropropene	<1.0		UG/L
07/11/06	GCMS_VOA	cis-1,3-Dichloropropene	<1.0		UG/L
10/08/04	GCMS_VOA	cis-1,3-Dichloropropene	<1.0		UG/L
07/27/07	GCMS_VOA	Cyclohexane	<1.0		UG/L
07/27/07	GCMS_VOA	Dibromochloromethane	<1.0		UG/L
09/28/05	GCMS_VOA	Dibromochloromethane	<1.0		UG/L
07/11/06	GCMS_VOA	Dibromochloromethane	<1.0		UG/L
10/08/04	GCMS_VOA	Dibromochloromethane	<1.0		UG/L
07/27/07	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<10.0		UG/L
09/28/05	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<1.0		UG/L
07/11/06	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<10.0		UG/L
10/08/04	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<1.0		UG/L
07/27/07	GCMS_VOA	Ethylbenzene	<1.0		UG/L
09/28/05	GCMS_VOA	Ethylbenzene	<1.0		UG/L
07/11/06	GCMS_VOA	Ethylbenzene	<1.0		UG/L
10/08/04	GCMS_VOA	Ethylbenzene	<1.0		UG/L

Attachment 2F-VII-003
Outfall 003 Analytical Results
2004 - 2007

Outfall 003 Sample Date	ANALYSIS	Analyte	Results	Units
07/27/07	GCMS_VOA	m,p-Xylene	<2.0	UG/L
09/28/05	GCMS_VOA	m,p-Xylene	<1.0	UG/L
07/11/06	GCMS_VOA	m,p-Xylene	<2.0	UG/L
10/08/04	GCMS_VOA	m,p-Xylene	<1.0	UG/L
07/27/07	GCMS_VOA	Methyl Methacrylate	<1.0	UG/L
07/27/07	GCMS_VOA	Methylene chloride	<4.0	UG/L
09/28/05	GCMS_VOA	Methylene chloride	<5.0	UG/L
07/11/06	GCMS_VOA	Methylene chloride	<1.0	UG/L
10/08/04	GCMS_VOA	Methylene chloride	<5.0	UG/L
07/27/07	GCMS_VOA	o-Xylene	<1.0	UG/L
09/28/05	GCMS_VOA	o-Xylene	<1.0	UG/L
07/11/06	GCMS_VOA	o-Xylene	<1.0	UG/L
10/08/04	GCMS_VOA	o-Xylene	<1.0	UG/L
07/27/07	GCMS_VOA	Styrene	<1.0	UG/L
07/27/07	GCMS_VOA	Tetrachloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	Tetrachloroethene	<2.0	UG/L
07/11/06	GCMS_VOA	Tetrachloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	Tetrachloroethene	<2.0	UG/L
07/27/07	GCMS_VOA	Tetrahydrofuran	<10.0	UG/L
09/28/05	GCMS_VOA	Tetrahydrofuran	<5.0	UG/L
07/11/06	GCMS_VOA	Tetrahydrofuran	<10.0	UG/L
10/08/04	GCMS_VOA	Tetrahydrofuran	<5.0	UG/L
07/27/07	GCMS_VOA	Toluene	<1.0	UG/L
09/28/05	GCMS_VOA	Toluene	1.8	UG/L
07/11/06	GCMS_VOA	Toluene	<1.0	UG/L
10/08/04	GCMS_VOA	Toluene	<1.0	UG/L
07/27/07	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
07/27/07	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
09/28/05	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
07/11/06	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
10/08/04	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
07/27/07	GCMS_VOA	Trichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	Trichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	Trichloroethene	<1.0	UG/L
10/08/04	GCMS_VOA	Trichloroethene	<1.0	UG/L
07/27/07	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
10/08/04	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
07/27/07	GCMS_VOA	Vinyl acetate	<10.0	UG/L
07/27/07	GCMS_VOA	Vinyl chloride	<1.0	UG/L
09/28/05	GCMS_VOA	Vinyl chloride	<1.0	UG/L
07/11/06	GCMS_VOA	Vinyl chloride	<1.0	UG/L
10/08/04	GCMS_VOA	Vinyl chloride	<1.0	UG/L
07/27/07	GCMS_VOA	Xylene (Total)	<3.0	UG/L
07/27/07	HG	Mercury	<0.20	UG/L
09/28/05	HG	Mercury	<0.20	UG/L
07/11/06	HG	Mercury	<0.20	UG/L
10/08/04	HG	Mercury	<0.20	UG/L
07/27/07	IC_ANIONS	Bromide	<0.25	MG/L
07/27/07	ICP_D	Iron (Dissolved)	<50.0	UG/L
09/28/05	ICP_D	Iron (Dissolved)	<20	UG/L
07/11/06	ICP_D	Iron (Dissolved)	<50.0	UG/L
10/08/04	ICP_D	Iron (Dissolved)	33	UG/L
07/27/07	ICP_L	Aluminum	<200	UG/L
07/27/07	ICP_L	Barium	37.7	UG/L
09/28/05	ICP_L	Barium	45	UG/L
07/11/06	ICP_L	Barium	39.4	UG/L
10/08/04	ICP_L	Barium	22	UG/L
07/27/07	ICP_L	Beryllium	<5.0	UG/L
09/28/05	ICP_L	Beryllium	<2.0	UG/L
07/11/06	ICP_L	Beryllium	<5.0	UG/L
10/08/04	ICP_L	Beryllium	<2.0	UG/L
07/27/07	ICP_L	Boron	<150	UG/L
09/28/05	ICP_L	Boron	56	UG/L
07/11/06	ICP_L	Boron	<150	UG/L
10/08/04	ICP_L	Boron	<50	UG/L
07/27/07	ICP_L	Cadmium	<1.0	UG/L
09/28/05	ICP_L	Cadmium	<2.0	UG/L
07/11/06	ICP_L	Cadmium	<1.0	UG/L
10/08/04	ICP_L	Cadmium	<2.0	UG/L
07/27/07	ICP_L	Chromium	<10.0	UG/L
09/28/05	ICP_L	Chromium	9	UG/L
07/11/06	ICP_L	Chromium	<10.0	UG/L
10/08/04	ICP_L	Chromium	<5.0	UG/L
07/27/07	ICP_L	Cobalt	<10.0	UG/L
09/28/05	ICP_L	Cobalt	8.6	UG/L
07/11/06	ICP_L	Cobalt	<10.0	UG/L
10/08/04	ICP_L	Cobalt	<5.0	UG/L
07/27/07	ICP_L	Copper	13.8	UG/L
07/27/07	ICP_L	Iron	196	UG/L
09/28/05	ICP_L	Iron	7000	UG/L
07/11/06	ICP_L	Iron	6250	UG/L
10/08/04	ICP_L	Iron	2100	UG/L
07/27/07	ICP_L	Magnesium	11800	UG/L
07/27/07	ICP_L	Manganese	26.7	UG/L
09/28/05	ICP_L	Manganese	260	UG/L

Attachment 2F-VII-003
Outfall 003 Analytical Results
2004 - 2007

Outfall 003 Sample Date	ANALYSIS	Analyte	Results		Units
07/11/06	ICP_L	Manganese		154	UG/L
10/08/04	ICP_L	Manganese		110	UG/L
07/27/07	ICP_L	Nickel	<20.0		UG/L
09/28/05	ICP_L	Nickel		37	UG/L
07/11/06	ICP_L	Nickel	<20.0		UG/L
10/08/04	ICP_L	Nickel		40	UG/L
07/27/07	ICP_L	Selenium	<15.0		UG/L
09/28/05	ICP_L	Selenium	<10		UG/L
07/11/06	ICP_L	Selenium	<15.0		UG/L
10/08/04	ICP_L	Selenium	<10		UG/L
07/27/07	ICP_L	Silver	<10.0		UG/L
09/28/05	ICP_L	Silver	<5.0		UG/L
07/11/06	ICP_L	Silver	<10.0		UG/L
10/08/04	ICP_L	Silver	<5.0		UG/L
07/27/07	ICP_L	Tin	<75.0		UG/L
07/27/07	ICP_L	Zinc	<20.0		UG/L
09/28/05	ICP_L	Zinc		43	UG/L
07/11/06	ICP_L	Zinc		46.1	UG/L
10/08/04	ICP_L	Zinc		28	UG/L
07/27/07	ICPMS_L	Antimony		26.4	UG/L
09/28/05	ICPMS_L	Antimony		8	UG/L
07/11/06	ICPMS_L	Antimony		1.8	UG/L
10/08/04	ICPMS_L	Antimony		10	UG/L
07/27/07	ICPMS_L	Arsenic		1.1	UG/L
09/28/05	ICPMS_L	Arsenic		2.4	UG/L
07/11/06	ICPMS_L	Arsenic		1	UG/L
10/08/04	ICPMS_L	Arsenic		1	UG/L
07/27/07	ICPMS_L	Lead		0.5	UG/L
09/28/05	ICPMS_L	Lead		4.7	UG/L
07/11/06	ICPMS_L	Lead		2.8	UG/L
10/08/04	ICPMS_L	Lead		2.5	UG/L
07/27/07	ICPMS_L	Molybdenum		2.1	UG/L
07/27/07	ICPMS_L	Thallium	<0.10		UG/L
09/28/05	ICPMS_L	Thallium	<0.40		UG/L
07/11/06	ICPMS_L	Thallium	<0.10		UG/L
10/08/04	ICPMS_L	Thallium	<0.40		UG/L
07/27/07	ICPMS_L	Titanium		3.3	UG/L
07/27/07	NH3_N	Ammonia Nitrogen (as N)	<1.0		MG/L
07/27/07	NO2_NO3_N	Nitrite plus Nitrate Nitrogen (as N)		3.3	MG/L
07/27/07	O_G_1664	Oil & Grease	<5.4		MG/L
07/11/06	O_G_1664	Oil & Grease	<5.1		MG/L
09/28/05	OIL_GREASE	Oil & Grease	<3.1		MG/L
10/08/04	OIL_GREASE	Oil & Grease	<4.2		MG/L
09/28/05	PHENOL_AAP	Phenol (AAP)	<0.010		MG/L
07/27/07	PHENOL_AAP	Phenol (AAP)		881	UG/L
10/08/04	PHENOL_AAP	Phenol (AAP)	<0.010		MG/L
07/11/06	PHENOL_AAP	Phenol (AAP)	<100		UG/L
07/27/07	SO4	Sulfate (as SO4)		46.6	MG/L
09/28/05	SO4	Sulfate (as SO4)		9.8	MG/L
07/11/06	SO4	Sulfate (as SO4)		53.5	MG/L
10/08/04	SO4	Sulfate (as SO4)		8.3	MG/L
07/27/07	SOL_F	Soluble Fluoride (Electrode)		2	MG/L
07/11/06	SOL_F	Soluble Fluoride (Electrode)		8.7	MG/L
09/28/05	TOT_F	Total Fluoride		1.6	MG/L
10/08/04	TOT_F	Total Fluoride		3.2	MG/L
07/27/07	SURFACT	Surfactants (MBAS)		0.56	MG/L
07/27/07	TON	Total Organic Nitrogen		1.3	MG/L
07/27/07	TOT_CN	Total Cyanide	<0.010		MG/L
09/28/05	TOT_CN	Total Cyanide	<0.0014		MG/L
07/11/06	TOT_CN	Total Cyanide		0.041	MG/L
10/08/04	TOT_CN	Total Cyanide	<0.0050		MG/L
07/27/07	TOT_P	Total Phosphorus (as P)		0.082	MG/L
Volatile TIC Results					
07/27/07	VOA_TICS	Trimethylsilyl fluoride		0.4	UG/L
Semi-Volatile TIC Results					
07/11/06	SV_TICS	2-Hexene, 2,5,5-trimethyl-		20.6	UG/L
07/11/06	SV_TICS	2-Pentanone		23.7	UG/L
09/28/05	SV_TICS	2-Propanol, 1-(2-methoxypropoxy)		5.1	UG/L
07/27/07	SV_TICS	2-Propanol, 1-chloro-		19.4	UG/L
09/28/05	SV_TICS	2-Propenenitrile, 3,3-diphenyl		3.9	UG/L
07/11/06	SV_TICS	3-Ethyl-2-methyl-1-heptene		23.1	UG/L
07/27/07	SV_TICS	3-Penten-2-ol		23.1	UG/L
07/11/06	SV_TICS	Acetone		135	UG/L
07/11/06	SV_TICS	Butane, 2-chloro-2-methyl-		34.8	UG/L
10/08/04	SV_TICS	Carbamic chloride, diethyl-		2.8	UG/L
10/08/04	SV_TICS	Cyclohexane, 1-methyl-2-propyl-		24	UG/L
09/28/05	SV_TICS	Cyclopentene, 1,2,3,4,5-pentamethyl-		2.1	UG/L
07/11/06	SV_TICS	Decane, 3,3,4-trimethyl-		18	UG/L
09/28/05	SV_TICS	Dipropylene glycol monomethyl ether		2.7	UG/L
07/27/07	SV_TICS	Ethane, 1,1'-oxybis[2-metho		25.4	UG/L
09/28/05	SV_TICS	Ethane, 1,1'-oxybis[2-methoxy-		14	UG/L
10/08/04	SV_TICS	Ethane, 1,1'-oxybis[2-methoxy]		30	UG/L
07/11/06	SV_TICS	Ethane, 1,1-oxybis [2-metho		189	UG/L
09/28/05	SV_TICS	Methane, dichloronitro-		2.7	UG/L
07/27/07	SV_TICS	Propylene Glycol		26	UG/L
07/11/06	SV_TICS	tr butylamine		408	UG/L

Attachment 2F-VII-004
Outfall 004 Analytical Results
2004 - 2007

Outfall 004 Sample Date	ANALYSIS	Analyte	Results	Units
07/27/07	COLOR	Color	18	UNITS
07/27/07	EPA_8081	Heptachlor Epoxide	<0.050	UG/L
07/27/07	EPA_8081	Toxaphene	<2.5	UG/L
07/27/07	EPA_8081	Chlordane	<0.20	UG/L
07/27/07	EPA_8081	Endrin Ketone	<0.10	UG/L
07/27/07	EPA_8081	Methoxychlor	<0.50	UG/L
07/27/07	EPA_8081	Aldrin	<0.050	UG/L
07/27/07	EPA_8081	alpha-BHC	<0.050	UG/L
07/27/07	EPA_8081	beta-BHC	<0.050	UG/L
07/27/07	EPA_8081	delta-BHC	<0.050	UG/L
07/27/07	EPA_8081	gamma-BHC	<0.050	UG/L
07/27/07	EPA_8081	alpha-Chlordane	<0.050	UG/L
07/27/07	EPA_8081	gamma-Chlordane	<0.050	UG/L
07/27/07	EPA_8081	4,4'-DDD	<0.10	UG/L
07/27/07	EPA_8081	4,4'-DDE	<0.10	UG/L
07/27/07	EPA_8081	4,4'-DDT	<0.10	UG/L
07/27/07	EPA_8081	Dieldrin	<0.10	UG/L
07/27/07	EPA_8081	Endosulfan I	<0.050	UG/L
07/27/07	EPA_8081	Endosulfan II	<0.10	UG/L
07/27/07	EPA_8081	Endosulfan Sulfate	<0.50	UG/L
07/27/07	EPA_8081	Endrin	<0.10	UG/L
07/27/07	EPA_8081	Endrin Aldehyde	<0.10	UG/L
07/27/07	EPA_8081	Heptachlor	<0.050	UG/L
09/28/05	EPA_8081	Aldrin	<0.14	UG/L
09/28/05	EPA_8081	alpha-BHC	<0.14	UG/L
09/28/05	EPA_8081	beta-BHC	<0.14	UG/L
09/28/05	EPA_8081	delta-BHC	<0.14	UG/L
09/28/05	EPA_8081	gamma-BHC	<0.14	UG/L
09/28/05	EPA_8081	alpha-Chlordane	<0.14	UG/L
09/28/05	EPA_8081	gamma-Chlordane	<0.14	UG/L
09/28/05	EPA_8081	4,4'-DDD	<0.14	UG/L
09/28/05	EPA_8081	4,4'-DDE	<0.14	UG/L
09/28/05	EPA_8081	4,4'-DDT	<0.14	UG/L
09/28/05	EPA_8081	Dieldrin	<0.14	UG/L
09/28/05	EPA_8081	Endosulfan I	<0.14	UG/L
09/28/05	EPA_8081	Endosulfan II	<0.14	UG/L
09/28/05	EPA_8081	Endosulfan Sulfate	<0.14	UG/L
09/28/05	EPA_8081	Endrin	<0.14	UG/L
09/28/05	EPA_8081	Endrin Aldehyde	<0.14	UG/L
09/28/05	EPA_8081	Endrin Ketone	<0.14	UG/L
09/28/05	EPA_8081	Heptachlor	<0.14	UG/L
09/28/05	EPA_8081	Heptachlor Epoxide	<0.14	UG/L
09/28/05	EPA_8081	Methoxychlor	<0.14	UG/L
09/28/05	EPA_8081	Toxaphene	<2.6	UG/L
07/11/06	EPA_8081	Chlordane	<1.0	UG/L
07/11/06	EPA_8081	Aldrin	<0.051	UG/L
07/11/06	EPA_8081	alpha-BHC	<0.051	UG/L
07/11/06	EPA_8081	beta-BHC	<0.051	UG/L
07/11/06	EPA_8081	delta-BHC	<0.051	UG/L
07/11/06	EPA_8081	gamma-BHC	<0.051	UG/L
07/11/06	EPA_8081	alpha-Chlordane	<0.051	UG/L
07/11/06	EPA_8081	gamma-Chlordane	<0.051	UG/L
07/11/06	EPA_8081	4,4'-DDD	<0.10	UG/L
07/11/06	EPA_8081	4,4'-DDE	<0.10	UG/L
07/11/06	EPA_8081	4,4'-DDT	<0.10	UG/L
07/11/06	EPA_8081	Dieldrin	<0.10	UG/L
07/11/06	EPA_8081	Endosulfan I	<0.051	UG/L
07/11/06	EPA_8081	Endosulfan II	<0.10	UG/L
07/11/06	EPA_8081	Endosulfan Sulfate	<0.10	UG/L
07/11/06	EPA_8081	Endrin	<0.10	UG/L
07/11/06	EPA_8081	Endrin Aldehyde	<0.10	UG/L
07/11/06	EPA_8081	Endrin Ketone	<0.10	UG/L
07/11/06	EPA_8081	Heptachlor	<0.051	UG/L
07/11/06	EPA_8081	Heptachlor Epoxide	<0.051	UG/L
07/11/06	EPA_8081	Methoxychlor	<0.51	UG/L
07/11/06	EPA_8081	Toxaphene	<5.1	UG/L
10/08/04	EPA_8081	Aldrin	<0.026	UG/L
10/08/04	EPA_8081	alpha-BHC	<0.026	UG/L
10/08/04	EPA_8081	beta-BHC	<0.026	UG/L
10/08/04	EPA_8081	delta-BHC	<0.026	UG/L
10/08/04	EPA_8081	gamma-BHC	<0.026	UG/L
10/08/04	EPA_8081	alpha-Chlordane	<0.026	UG/L
10/08/04	EPA_8081	gamma-Chlordane	<0.026	UG/L
10/08/04	EPA_8081	4,4'-DDD	<0.053	UG/L
10/08/04	EPA_8081	4,4'-DDE	<0.053	UG/L
10/08/04	EPA_8081	4,4'-DDT	<0.053	UG/L
10/08/04	EPA_8081	Dieldrin	<0.053	UG/L
10/08/04	EPA_8081	Endosulfan I	<0.053	UG/L
10/08/04	EPA_8081	Endosulfan II	<0.053	UG/L
10/08/04	EPA_8081	Endosulfan Sulfate	<0.053	UG/L
10/08/04	EPA_8081	Endrin	<0.053	UG/L
10/08/04	EPA_8081	Endrin Aldehyde	<0.053	UG/L
10/08/04	EPA_8081	Endrin Ketone	<0.053	UG/L
10/08/04	EPA_8081	Heptachlor	<0.026	UG/L
10/08/04	EPA_8081	Heptachlor Epoxide	<0.026	UG/L
10/08/04	EPA_8081	Methoxychlor	<0.26	UG/L
10/08/04	EPA_8081	Toxaphene	<2.6	UG/L
07/27/07	EPA_8082	Aroclor 1268	<0.11	UG/L
07/27/07	EPA_8082	Aroclor 1016	<0.11	UG/L
07/27/07	EPA_8082	Aroclor 1221	<0.11	UG/L
07/27/07	EPA_8082	Aroclor 1242	<0.11	UG/L

Attachment 2F-VII-004
Outfall 004 Analytical Results
2004 - 2007

Outfall 004 Sample Date	ANALYSIS	Analyte	Results	Units
07/27/07	EPA_8082	Arochlor 1232	<0.11	UG/L
07/27/07	EPA_8082	Arochlor 1260	<0.11	UG/L
07/27/07	EPA_8082	Arochlor 1254	<0.11	UG/L
07/27/07	EPA_8082	Arochlor 1248	<0.11	UG/L
09/28/05	EPA_8082	Arochlor 1016	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1221	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1242	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1232	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1268	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1260	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1254	<0.94	UG/L
09/28/05	EPA_8082	Arochlor 1248	<0.94	UG/L
07/11/06	EPA_8082	Arochlor 1016	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1221	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1242	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1232	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1268	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1260	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1254	<0.10	UG/L
07/11/06	EPA_8082	Arochlor 1248	<0.10	UG/L
10/08/04	EPA_8082	Arochlor 1016	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1221	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1242	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1232	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1268	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1260	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1254	<0.95	UG/L
10/08/04	EPA_8082	Arochlor 1248	<0.95	UG/L
07/27/07	FEC_COLIF	Fecal Coliform Bacteria	12	CFU/100ML
09/28/05	FORM	Formaldehyde	0.14	MG/L
07/27/07	FORM	Formaldehyde	<50	UG/L
07/11/06	FORM	Formaldehyde	<0.05	MG/L
10/08/04	FORM	Formaldehyde	<0.050	MG/L
07/27/07	GCMS_SV	Phenol	<10.2	UG/L
07/27/07	GCMS_SV	bis(2-Chloroethyl)ether	<10.2	UG/L
07/27/07	GCMS_SV	2-Chlorophenol	<10.2	UG/L
07/27/07	GCMS_SV	1,3-Dichlorobenzene	<10.2	UG/L
07/27/07	GCMS_SV	1,4-Dichlorobenzene	<10.2	UG/L
07/27/07	GCMS_SV	1,2-Dichlorobenzene	<10.2	UG/L
07/27/07	GCMS_SV	N-Nitroso-di-n-propylamine	<10.2	UG/L
07/27/07	GCMS_SV	bis(2-Chloroisopropyl)ether	<10.2	UG/L
07/27/07	GCMS_SV	2-Nitrophenol	<10.2	UG/L
07/27/07	GCMS_SV	Isophorone	<10.2	UG/L
07/27/07	GCMS_SV	Nitrobenzene	<10.2	UG/L
07/27/07	GCMS_SV	2,4-Dichlorophenol	<10.2	UG/L
07/27/07	GCMS_SV	bis(2-Chloroethoxy)methane	<10.2	UG/L
07/27/07	GCMS_SV	2,4-Dimethylphenol	<10.2	UG/L
07/27/07	GCMS_SV	4-Chloro-3-methylphenol	<10.2	UG/L
07/27/07	GCMS_SV	Hexachlorobutadiene	<10.2	UG/L
07/27/07	GCMS_SV	Naphthalene	<10.2	UG/L
07/27/07	GCMS_SV	1,2,4-Trichlorobenzene	<10.2	UG/L
07/27/07	GCMS_SV	2,6-Dinitrotoluene	<10.2	UG/L
07/27/07	GCMS_SV	Acenaphthylene	<10.2	UG/L
07/27/07	GCMS_SV	Dimethylphthalate	<10.2	UG/L
07/27/07	GCMS_SV	2-Chloronaphthalene	<10.2	UG/L
07/27/07	GCMS_SV	2,4,6-Trichlorophenol	<10.2	UG/L
07/27/07	GCMS_SV	Hexachlorocyclopentadiene	<51.0	UG/L
07/27/07	GCMS_SV	N-Nitrosodiphenylamine	<10.2	UG/L
07/27/07	GCMS_SV	4,6-Dinitro-2-methylphenol	<51.0	UG/L
07/27/07	GCMS_SV	Fluorene	<10.2	UG/L
07/27/07	GCMS_SV	4-Chlorophenyl-phenylether	<10.2	UG/L
07/27/07	GCMS_SV	Diethylphthalate	<10.2	UG/L
07/27/07	GCMS_SV	2,4-Dinitrotoluene	<10.2	UG/L
07/27/07	GCMS_SV	4-Nitrophenol	<51.0	UG/L
07/27/07	GCMS_SV	2,4-Dinitrophenol	<51.0	UG/L
07/27/07	GCMS_SV	Acenaphthene	<10.2	UG/L
07/27/07	GCMS_SV	Benzo(a)anthracene	<10.2	UG/L
07/27/07	GCMS_SV	3,3'-Dichlorobenzidine	<20.4	UG/L
07/27/07	GCMS_SV	Butylbenzylphthalate	<10.2	UG/L
07/27/07	GCMS_SV	Pyrene	<10.2	UG/L
07/27/07	GCMS_SV	Fluoranthene	<10.2	UG/L
07/27/07	GCMS_SV	Di-n-butylphthalate	<10.2	UG/L
07/27/07	GCMS_SV	Anthracene	<10.2	UG/L
07/27/07	GCMS_SV	Phenanthrene	<10.2	UG/L
07/27/07	GCMS_SV	Pentachlorophenol	<23.5	UG/L
07/27/07	GCMS_SV	Hexachlorobenzene	<10.2	UG/L
07/27/07	GCMS_SV	4-Bromophenyl-phenylether	<10.2	UG/L
07/27/07	GCMS_SV	1,2-Diphenylhydrazine	<10.2	UG/L
07/27/07	GCMS_SV	Benzidine	<51.0	UG/L
07/27/07	GCMS_SV	Benzo(g,h,i)perylene	<10.2	UG/L
07/27/07	GCMS_SV	Dibenz(a,h)anthracene	<10.2	UG/L
07/27/07	GCMS_SV	Indeno(1,2,3-cd)pyrene	<10.2	UG/L
07/27/07	GCMS_SV	Benzo(a)pyrene	<10.2	UG/L
07/27/07	GCMS_SV	Benzo(k)fluoranthene	<10.2	UG/L
07/27/07	GCMS_SV	Benzo(b)fluoranthene	<10.2	UG/L
07/27/07	GCMS_SV	Di-n-octylphthalate	<10.2	UG/L
07/27/07	GCMS_SV	bis(2-Ethylhexyl)phthalate	<10.2	UG/L
07/27/07	GCMS_SV	Chrysene	<10.2	UG/L
07/27/07	GCMS_SV	Hexachloroethane	<10.2	UG/L
07/27/07	GCMS_SV	n-Nitrosodimethylamine	<10.2	UG/L
09/28/05	GCMS_SV	Phenol	<11	UG/L

Attachment 2F-VII-004
Outfall 004 Analytical Results
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Outfall 004 Sample Date	ANALYSIS	Analyte	Results	Units
09/28/05	GCMS_SV	bis(2-Chloroethyl)ether	<5.3	UG/L
09/28/05	GCMS_SV	2-Chlorophenol	<11	UG/L
09/28/05	GCMS_SV	1,3-Dichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	1,4-Dichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	1,2-Dichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	N-Nitroso-di-n-propylamine	<5.3	UG/L
09/28/05	GCMS_SV	bis(2-Chloroisopropyl)ether	<5.3	UG/L
09/28/05	GCMS_SV	2-Nitrophenol	<11	UG/L
09/28/05	GCMS_SV	Isophorone	<5.3	UG/L
09/28/05	GCMS_SV	Nitrobenzene	<5.3	UG/L
09/28/05	GCMS_SV	2,4-Dichlorophenol	<11	UG/L
09/28/05	GCMS_SV	bis(2-Chloroethoxy)methane	<5.3	UG/L
09/28/05	GCMS_SV	2,4-Dimethylphenol	<5.3	UG/L
09/28/05	GCMS_SV	4-Chloro-3-methylphenol	<5.3	UG/L
09/28/05	GCMS_SV	Hexachlorobutadiene	<5.3	UG/L
09/28/05	GCMS_SV	Naphthalene	<5.3	UG/L
09/28/05	GCMS_SV	1,2,4-Trichlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	2,6-Dinitrotoluene	<5.3	UG/L
09/28/05	GCMS_SV	Acenaphthylene	<2.1	UG/L
09/28/05	GCMS_SV	Dimethylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	2-Chloronaphthalene	<5.3	UG/L
09/28/05	GCMS_SV	2,4,6-Trichlorophenol	<5.3	UG/L
09/28/05	GCMS_SV	Hexachlorocyclopentadiene	<5.3	UG/L
09/28/05	GCMS_SV	N-Nitrosodiphenylamine	<5.3	UG/L
09/28/05	GCMS_SV	4,6-Dinitro-2-methylphenol	<5.3	UG/L
09/28/05	GCMS_SV	Fluorene	<5.3	UG/L
09/28/05	GCMS_SV	4-Chlorophenyl-phenylether	<2.1	UG/L
09/28/05	GCMS_SV	Diethylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	2,4-Dinitrotoluene	<5.3	UG/L
09/28/05	GCMS_SV	4-Nitrophenol	<5.3	UG/L
09/28/05	GCMS_SV	2,4-Dinitrophenol	<5.3	UG/L
09/28/05	GCMS_SV	Acenaphthene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(a)anthracene	<2.1	UG/L
09/28/05	GCMS_SV	3,3'-Dichlorobenzidine	<5.3	UG/L
09/28/05	GCMS_SV	Butylbenzylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Pyrene	<2.1	UG/L
09/28/05	GCMS_SV	Fluoranthene	<2.1	UG/L
09/28/05	GCMS_SV	Di-n-butylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	Anthracene	<2.1	UG/L
09/28/05	GCMS_SV	Phenanthrene	<2.1	UG/L
09/28/05	GCMS_SV	Pentachlorophenol	<5.3	UG/L
09/28/05	GCMS_SV	Hexachlorobenzene	<5.3	UG/L
09/28/05	GCMS_SV	4-Bromophenyl-phenylether	<5.3	UG/L
09/28/05	GCMS_SV	1,2-Diphenylhydrazine	<5.3	UG/L
09/28/05	GCMS_SV	Benzidine	<11	UG/L
09/28/05	GCMS_SV	Benzo(g,h,i)perylene	<2.1	UG/L
09/28/05	GCMS_SV	Dibenz(a,h)anthracene	<2.1	UG/L
09/28/05	GCMS_SV	Indeno(1,2,3-cd)pyrene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(a)pyrene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(k)fluoranthene	<2.1	UG/L
09/28/05	GCMS_SV	Benzo(b)fluoranthene	<2.1	UG/L
09/28/05	GCMS_SV	Di-n-octylphthalate	<5.3	UG/L
09/28/05	GCMS_SV	bis(2-Ethylhexyl)phthalate	<5.3	UG/L
09/28/05	GCMS_SV	Chrysene	<2.1	UG/L
09/28/05	GCMS_SV	Hexachloroethane	<5.3	UG/L
09/28/05	GCMS_SV	n-Nitrosodimethylamine	<5.3	UG/L
07/11/06	GCMS_SV	Phenol	<10.1	UG/L
07/11/06	GCMS_SV	bis(2-Chloroethyl)ether	<10.1	UG/L
07/11/06	GCMS_SV	2-Chlorophenol	<10.1	UG/L
07/11/06	GCMS_SV	1,3-Dichlorobenzene	<10.1	UG/L
07/11/06	GCMS_SV	1,4-Dichlorobenzene	<10.1	UG/L
07/11/06	GCMS_SV	1,2-Dichlorobenzene	<10.1	UG/L
07/11/06	GCMS_SV	N-Nitroso-di-n-propylamine	<10.1	UG/L
07/11/06	GCMS_SV	bis(2-Chloroisopropyl)ether	<10.1	UG/L
07/11/06	GCMS_SV	2-Nitrophenol	<10.1	UG/L
07/11/06	GCMS_SV	Isophorone	<10.1	UG/L
07/11/06	GCMS_SV	Nitrobenzene	<10.1	UG/L
07/11/06	GCMS_SV	2,4-Dichlorophenol	<10.1	UG/L
07/11/06	GCMS_SV	bis(2-Chloroethoxy)methane	<10.1	UG/L
07/11/06	GCMS_SV	2,4-Dimethylphenol	<10.1	UG/L
07/11/06	GCMS_SV	4-Chloro-3-methylphenol	<10.1	UG/L
07/11/06	GCMS_SV	Hexachlorobutadiene	<10.1	UG/L
07/11/06	GCMS_SV	Naphthalene	<10.1	UG/L
07/11/06	GCMS_SV	1,2,4-Trichlorobenzene	<10.1	UG/L
07/11/06	GCMS_SV	2,6-Dinitrotoluene	<10.1	UG/L
07/11/06	GCMS_SV	Acenaphthylene	<10.1	UG/L
07/11/06	GCMS_SV	Dimethylphthalate	<10.1	UG/L
07/11/06	GCMS_SV	2-Chloronaphthalene	<10.1	UG/L
07/11/06	GCMS_SV	2,4,6-Trichlorophenol	<10.1	UG/L
07/11/06	GCMS_SV	Hexachlorocyclopentadiene	<50.3	UG/L
07/11/06	GCMS_SV	N-Nitrosodiphenylamine	<10.1	UG/L
07/11/06	GCMS_SV	4,6-Dinitro-2-methylphenol	<50.3	UG/L
07/11/06	GCMS_SV	Fluorene	<10.1	UG/L
07/11/06	GCMS_SV	4-Chlorophenyl-phenylether	<10.1	UG/L
07/11/06	GCMS_SV	Diethylphthalate	<10.1	UG/L
07/11/06	GCMS_SV	2,4-Dinitrotoluene	<10.1	UG/L
07/11/06	GCMS_SV	4-Nitrophenol	<50.3	UG/L
07/11/06	GCMS_SV	2,4-Dinitrophenol	<50.3	UG/L
07/11/06	GCMS_SV	Acenaphthene	<10.1	UG/L
07/11/06	GCMS_SV	Benzo(a)anthracene	<10.1	UG/L
07/11/06	GCMS_SV	3,3'-Dichlorobenzidine	<20.1	UG/L

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Outfall 004 Analytical Results
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Outfall 004 Sample Date	ANALYSIS	Analyte	Results	Units
07/11/06	GCMS_SV	Butylbenzylphthalate	<10.1	UG/L
07/11/06	GCMS_SV	Pyrene	<10.1	UG/L
07/11/06	GCMS_SV	Fluoranthene	<10.1	UG/L
07/11/06	GCMS_SV	Di-n-butylphthalate	<10.1	UG/L
07/11/06	GCMS_SV	Anthracene	<10.1	UG/L
07/11/06	GCMS_SV	Phenanthrene	<10.1	UG/L
07/11/06	GCMS_SV	Pentachlorophenol	<23.1	UG/L
07/11/06	GCMS_SV	Hexachlorobenzene	<10.1	UG/L
07/11/06	GCMS_SV	4-Bromophenyl-phenylether	<10.1	UG/L
07/11/06	GCMS_SV	1,2-Diphenylhydrazine	<10.1	UG/L
07/11/06	GCMS_SV	Benzidine	<50.3	UG/L
07/11/06	GCMS_SV	Benzo(g,h,i)perylene	<10.1	UG/L
07/11/06	GCMS_SV	Dibenz(a,h)anthracene	<10.1	UG/L
07/11/06	GCMS_SV	Indeno(1,2,3-cd)pyrene	<10.1	UG/L
07/11/06	GCMS_SV	Benzo(a)pyrene	<10.1	UG/L
07/11/06	GCMS_SV	Benzo(k)fluoranthene	<10.1	UG/L
07/11/06	GCMS_SV	Benzo(b)fluoranthene	<10.1	UG/L
07/11/06	GCMS_SV	Di-n-octylphthalate	<10.1	UG/L
07/11/06	GCMS_SV	bis(2-Ethylhexyl)phthalate	<10.1	UG/L
07/11/06	GCMS_SV	Chrysene	<10.1	UG/L
07/11/06	GCMS_SV	Hexachloroethane	<10.1	UG/L
07/11/06	GCMS_SV	n-Nitrosodimethylamine	<10.1	UG/L
10/08/04	GCMS_SV	Phenol	<10	UG/L
10/08/04	GCMS_SV	bis(2-Chloroethyl)ether	<5.2	UG/L
10/08/04	GCMS_SV	2-Chlorophenol	<10	UG/L
10/08/04	GCMS_SV	1,3-Dichlorobenzene	<5.2	UG/L
10/08/04	GCMS_SV	1,4-Dichlorobenzene	<5.2	UG/L
10/08/04	GCMS_SV	1,2-Dichlorobenzene	<5.2	UG/L
10/08/04	GCMS_SV	N-Nitroso-di-n-propylamine	<5.2	UG/L
10/08/04	GCMS_SV	bis(2-Chloroisopropyl)ether	<5.2	UG/L
10/08/04	GCMS_SV	2-Nitrophenol	<10	UG/L
10/08/04	GCMS_SV	Isophorone	<5.2	UG/L
10/08/04	GCMS_SV	Nitrobenzene	<5.2	UG/L
10/08/04	GCMS_SV	2,4-Dichlorophenol	<10	UG/L
10/08/04	GCMS_SV	bis(2-Chloroethoxy)methane	<5.2	UG/L
10/08/04	GCMS_SV	2,4-Dimethylphenol	<5.2	UG/L
10/08/04	GCMS_SV	4-Chloro-3-methylphenol	<5.2	UG/L
10/08/04	GCMS_SV	Hexachlorobutadiene	<5.2	UG/L
10/08/04	GCMS_SV	Naphthalene	<5.2	UG/L
10/08/04	GCMS_SV	1,2,4-Trichlorobenzene	<5.2	UG/L
10/08/04	GCMS_SV	2,6-Dinitrotoluene	<5.2	UG/L
10/08/04	GCMS_SV	Acenaphthylene	<2.1	UG/L
10/08/04	GCMS_SV	Dimethylphthalate	<5.2	UG/L
10/08/04	GCMS_SV	2-Chloronaphthalene	<5.2	UG/L
10/08/04	GCMS_SV	2,4,6-Trichlorophenol	<5.2	UG/L
10/08/04	GCMS_SV	Hexachlorocyclopentadiene	<5.2	UG/L
10/08/04	GCMS_SV	N-Nitrosodiphenylamine	<5.2	UG/L
10/08/04	GCMS_SV	4,6-Dinitro-2-methylphenol	<5.2	UG/L
10/08/04	GCMS_SV	Fluorene	<5.2	UG/L
10/08/04	GCMS_SV	4-Chlorophenyl-phenylether	<2.1	UG/L
10/08/04	GCMS_SV	Diethylphthalate	<5.2	UG/L
10/08/04	GCMS_SV	2,4-Dinitrotoluene	<5.2	UG/L
10/08/04	GCMS_SV	4-Nitrophenol	<5.2	UG/L
10/08/04	GCMS_SV	2,4-Dinitrophenol	12	UG/L
10/08/04	GCMS_SV	Acenaphthene	<2.1	UG/L
10/08/04	GCMS_SV	Benzo(a)anthracene	<2.1	UG/L
10/08/04	GCMS_SV	3,3'-Dichlorobenzidine	<5.2	UG/L
10/08/04	GCMS_SV	Butylbenzylphthalate	<5.2	UG/L
10/08/04	GCMS_SV	Pyrene	<2.1	UG/L
10/08/04	GCMS_SV	Fluoranthene	<2.1	UG/L
10/08/04	GCMS_SV	Di-n-butylphthalate	<5.2	UG/L
10/08/04	GCMS_SV	Anthracene	<2.1	UG/L
10/08/04	GCMS_SV	Phenanthrene	<2.1	UG/L
10/08/04	GCMS_SV	Pentachlorophenol	<5.2	UG/L
10/08/04	GCMS_SV	Hexachlorobenzene	<5.2	UG/L
10/08/04	GCMS_SV	4-Bromophenyl-phenylether	<5.2	UG/L
10/08/04	GCMS_SV	1,2-Diphenylhydrazine	<5.2	UG/L
10/08/04	GCMS_SV	Benzidine	<10	UG/L
10/08/04	GCMS_SV	Benzo(g,h,i)perylene	<2.1	UG/L
10/08/04	GCMS_SV	Dibenz(a,h)anthracene	<2.1	UG/L
10/08/04	GCMS_SV	Indeno(1,2,3-cd)pyrene	<2.1	UG/L
10/08/04	GCMS_SV	Benzo(a)pyrene	<2.1	UG/L
10/08/04	GCMS_SV	Benzo(k)fluoranthene	<2.1	UG/L
10/08/04	GCMS_SV	Benzo(b)fluoranthene	<2.1	UG/L
10/08/04	GCMS_SV	Di-n-octylphthalate	<5.2	UG/L
10/08/04	GCMS_SV	bis(2-Ethylhexyl)phthalate	<5.2	UG/L
10/08/04	GCMS_SV	Chrysene	<2.1	UG/L
10/08/04	GCMS_SV	Hexachloroethane	<5.2	UG/L
10/08/04	GCMS_SV	n-Nitrosodimethylamine	<5.2	UG/L
07/27/07	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	1,1,2-Trichloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	1,1-Dichloroethene	<1.0	UG/L
07/27/07	GCMS_VOA	1,1-Dichloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	Bromomethane	<1.0	UG/L
07/27/07	GCMS_VOA	Bromoform	<1.0	UG/L
07/27/07	GCMS_VOA	Bromodichloromethane	<1.0	UG/L
07/27/07	GCMS_VOA	Benzene	<1.0	UG/L
07/27/07	GCMS_VOA	Acrylonitrile	<5.0	UG/L
07/27/07	GCMS_VOA	Acrolein	<5.0	UG/L
07/27/07	GCMS_VOA	2-Chloroethyl Vinyl Ether	<5.0	UG/L

Attachment 2F-VII-004
Outfall 004 Analytical Results
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Outfall 004 Sample Date	ANALYSIS	Analyte	Results	Units
07/27/07	GCMS_VOA	1,2-Dichloropropane	<1.0	UG/L
07/27/07	GCMS_VOA	1,2-Dichloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	Vinyl chloride	<1.0	UG/L
07/27/07	GCMS_VOA	Trichloroethene	<1.0	UG/L
07/27/07	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
07/27/07	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
07/27/07	GCMS_VOA	Toluene	<1.0	UG/L
07/27/07	GCMS_VOA	Tetrachloroethene	<1.0	UG/L
07/27/07	GCMS_VOA	Methylene chloride	<4.0	UG/L
07/27/07	GCMS_VOA	Ethylbenzene	<1.0	UG/L
07/27/07	GCMS_VOA	Dibromochloromethane	<1.0	UG/L
07/27/07	GCMS_VOA	Chloromethane	<1.0	UG/L
07/27/07	GCMS_VOA	Chloroform	<1.0	UG/L
07/27/07	GCMS_VOA	Chloroethane	<1.0	UG/L
07/27/07	GCMS_VOA	Chlorobenzene	<1.0	UG/L
07/27/07	GCMS_VOA	Carbon tetrachloride	<1.0	UG/L
07/27/07	GCMS_VOA	Acetone	45.4	UG/L
07/27/07	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
07/27/07	GCMS_VOA	Tetrahydrofuran	<10.0	UG/L
07/27/07	GCMS_VOA	o-Xylene	<1.0	UG/L
07/27/07	GCMS_VOA	m,p-Xylene	<2.0	UG/L
07/27/07	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<10.0	UG/L
07/27/07	GCMS_VOA	cis-1,3-Dichloropropene	<1.0	UG/L
07/27/07	GCMS_VOA	Cyclohexane	<1.0	UG/L
07/27/07	GCMS_VOA	Methyl Methacrylate	<1.0	UG/L
07/27/07	GCMS_VOA	Styrene	<1.0	UG/L
07/27/07	GCMS_VOA	Vinyl acetate	<10.0	UG/L
07/27/07	GCMS_VOA	Xylene (Total)	<3.0	UG/L
07/27/07	GCMS_VOA	1,3-Dichlorobenzene	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1,2-Trichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	1,1-Dichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	1,1-Dichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	Bromomethane	<1.0	UG/L
09/28/05	GCMS_VOA	Bromoform	<5.0	UG/L
09/28/05	GCMS_VOA	Bromodichloromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Benzene	<1.0	UG/L
09/28/05	GCMS_VOA	Acrylonitrile	<1.0	UG/L
09/28/05	GCMS_VOA	Acrolein	<15	UG/L
09/28/05	GCMS_VOA	Acetone	<20	UG/L
09/28/05	GCMS_VOA	2-Chloroethyl Vinyl Ether	<1.0	UG/L
09/28/05	GCMS_VOA	1,2-Dichloropropane	<1.0	UG/L
09/28/05	GCMS_VOA	1,2-Dichloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	Vinyl chloride	<1.0	UG/L
09/28/05	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Trichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
09/28/05	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
09/28/05	GCMS_VOA	Toluene	<1.0	UG/L
09/28/05	GCMS_VOA	Tetrahydrofuran	<5.0	UG/L
09/28/05	GCMS_VOA	Tetrachloroethene	<2.0	UG/L
09/28/05	GCMS_VOA	o-Xylene	<1.0	UG/L
09/28/05	GCMS_VOA	Methylene chloride	<5.0	UG/L
09/28/05	GCMS_VOA	m,p-Xylene	<1.0	UG/L
09/28/05	GCMS_VOA	Ethylbenzene	<1.0	UG/L
09/28/05	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<1.0	UG/L
09/28/05	GCMS_VOA	Dibromochloromethane	<1.0	UG/L
09/28/05	GCMS_VOA	cis-1,3-Dichloropropene	<1.0	UG/L
09/28/05	GCMS_VOA	Chloromethane	<1.0	UG/L
09/28/05	GCMS_VOA	Chloroform	<1.0	UG/L
09/28/05	GCMS_VOA	Chloroethane	<1.0	UG/L
09/28/05	GCMS_VOA	Chlorobenzene	<1.0	UG/L
09/28/05	GCMS_VOA	Carbon tetrachloride	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,1-Trichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1,2-Trichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	1,1-Dichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	1,1-Dichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	Bromomethane	<1.0	UG/L
07/11/06	GCMS_VOA	Bromoform	<1.0	UG/L
07/11/06	GCMS_VOA	Bromodichloromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Benzene	<1.0	UG/L
07/11/06	GCMS_VOA	Acrylonitrile	<5.0	UG/L
07/11/06	GCMS_VOA	Acrolein	<5.0	UG/L
07/11/06	GCMS_VOA	Acetone	<5.0	UG/L
07/11/06	GCMS_VOA	2-Chloroethyl Vinyl Ether	<5.0	UG/L
07/11/06	GCMS_VOA	1,2-Dichloropropane	<1.0	UG/L
07/11/06	GCMS_VOA	1,2-Dichloroethane	<1.0	UG/L
07/11/06	GCMS_VOA	Vinyl chloride	<1.0	UG/L
07/11/06	GCMS_VOA	Trichlorofluoromethane	<1.0	UG/L
07/11/06	GCMS_VOA	Trichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	trans-1,3-Dichloropropene	<1.0	UG/L
07/11/06	GCMS_VOA	trans-1,2-Dichloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	Toluene	<1.0	UG/L
07/11/06	GCMS_VOA	Tetrahydrofuran	<10.0	UG/L
07/11/06	GCMS_VOA	Tetrachloroethene	<1.0	UG/L
07/11/06	GCMS_VOA	o-Xylene	<1.0	UG/L
07/11/06	GCMS_VOA	Methylene chloride	<1.0	UG/L
07/11/06	GCMS_VOA	m,p-Xylene	<2.0	UG/L
07/11/06	GCMS_VOA	Ethylbenzene	<1.0	UG/L

Attachment 2F-VII-004
Outfall 004 Analytical Results
2004 - 2007

Outfall 004 Sample Date	ANALYSIS	Analyte	Results		Units
07/11/06	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<10.0		UG/L
07/11/06	GCMS_VOA	Dibromochloromethane	<1.0		UG/L
07/11/06	GCMS_VOA	cis-1,3-Dichloropropene	<1.0		UG/L
07/11/06	GCMS_VOA	Chloromethane	<1.0		UG/L
07/11/06	GCMS_VOA	Chloroform	<1.0		UG/L
07/11/06	GCMS_VOA	Chloroethane	<1.0		UG/L
07/11/06	GCMS_VOA	Chlorobenzene	<1.0		UG/L
07/11/06	GCMS_VOA	Carbon tetrachloride	<1.0		UG/L
10/08/04	GCMS_VOA	1,1,1-Trichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	1,1,2,2-Tetrachloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	1,1,2-Trichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	1,1-Dichloroethene	<1.0		UG/L
10/08/04	GCMS_VOA	1,1-Dichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	Bromomethane	<1.0		UG/L
10/08/04	GCMS_VOA	Bromoform	<5.0		UG/L
10/08/04	GCMS_VOA	Bromodichloromethane	<1.0		UG/L
10/08/04	GCMS_VOA	Benzene	<1.0		UG/L
10/08/04	GCMS_VOA	Acrylonitrile	<1.0		UG/L
10/08/04	GCMS_VOA	Acrolein	<15		UG/L
10/08/04	GCMS_VOA	Acetone	<20		UG/L
10/08/04	GCMS_VOA	2-Chloroethyl Vinyl Ether	<1.0		UG/L
10/08/04	GCMS_VOA	1,2-Dichloropropane	<1.0		UG/L
10/08/04	GCMS_VOA	1,2-Dichloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	Vinyl chloride	<1.0		UG/L
10/08/04	GCMS_VOA	Trichlorofluoromethane	<1.0		UG/L
10/08/04	GCMS_VOA	Trichloroethene	<1.0		UG/L
10/08/04	GCMS_VOA	trans-1,3-Dichloropropene	<1.0		UG/L
10/08/04	GCMS_VOA	trans-1,2-Dichloroethene	<1.0		UG/L
10/08/04	GCMS_VOA	Toluene	<1.0		UG/L
10/08/04	GCMS_VOA	Tetrahydrofuran	<5.0		UG/L
10/08/04	GCMS_VOA	Tetrachloroethene	<2.0		UG/L
10/08/04	GCMS_VOA	o-Xylene	<1.0		UG/L
10/08/04	GCMS_VOA	Methylene chloride	<5.0		UG/L
10/08/04	GCMS_VOA	m,p-Xylene	<1.0		UG/L
10/08/04	GCMS_VOA	Ethylbenzene	<1.0		UG/L
10/08/04	GCMS_VOA	Diethyl Ether (Ethyl Ether)	<1.0		UG/L
10/08/04	GCMS_VOA	Dibromochloromethane	<1.0		UG/L
10/08/04	GCMS_VOA	cis-1,3-Dichloropropene	<1.0		UG/L
10/08/04	GCMS_VOA	Chloromethane	<1.0		UG/L
10/08/04	GCMS_VOA	Chloroform	<1.0		UG/L
10/08/04	GCMS_VOA	Chloroethane	<1.0		UG/L
10/08/04	GCMS_VOA	Chlorobenzene	<1.0		UG/L
10/08/04	GCMS_VOA	Carbon tetrachloride	<1.0		UG/L
07/27/07	HG	Mercury	<0.20		UG/L
09/28/05	HG	Mercury	<0.20		UG/L
07/11/06	HG	Mercury	<0.20		UG/L
10/08/04	HG	Mercury	<0.20		UG/L
07/27/07	IC_ANIONS	Bromide	<0.25		MG/L
07/27/07	ICP_D	Iron (Dissolved)	<50.0		UG/L
09/28/05	ICP_D	Iron (Dissolved)		25	UG/L
07/11/06	ICP_D	Iron (Dissolved)		71.9	UG/L
10/08/04	ICP_D	Iron (Dissolved)		110	UG/L
07/27/07	ICP_L	Aluminum	<200		UG/L
07/27/07	ICP_L	Copper	<10.0		UG/L
07/27/07	ICP_L	Magnesium		17500	UG/L
07/27/07	ICP_L	Tin	<75.0		UG/L
07/27/07	ICP_L	Boron	<150		UG/L
07/27/07	ICP_L	Beryllium	<5.0		UG/L
07/27/07	ICP_L	Barium		26.4	UG/L
07/27/07	ICP_L	Cobalt	<10.0		UG/L
07/27/07	ICP_L	Cadmium	<1.0		UG/L
07/27/07	ICP_L	Silver	<10.0		UG/L
07/27/07	ICP_L	Selenium	<15.0		UG/L
07/27/07	ICP_L	Nickel	<20.0		UG/L
07/27/07	ICP_L	Manganese	<5.0		UG/L
07/27/07	ICP_L	Chromium	<10.0		UG/L
07/27/07	ICP_L	Iron		56.9	UG/L
07/27/07	ICP_L	Zinc	<20.0		UG/L
09/28/05	ICP_L	Boron	<50		UG/L
09/28/05	ICP_L	Beryllium	<2.0		UG/L
09/28/05	ICP_L	Barium		33	UG/L
09/28/05	ICP_L	Cobalt	<5.0		UG/L
09/28/05	ICP_L	Chromium	<5.0		UG/L
09/28/05	ICP_L	Cadmium	<2.0		UG/L
09/28/05	ICP_L	Silver	<5.0		UG/L
09/28/05	ICP_L	Selenium	<10		UG/L
09/28/05	ICP_L	Nickel		9.6	UG/L
09/28/05	ICP_L	Manganese		68	UG/L
09/28/05	ICP_L	Iron		640	UG/L
09/28/05	ICP_L	Zinc		46	UG/L
07/11/06	ICP_L	Boron	<150		UG/L
07/11/06	ICP_L	Beryllium	<5.0		UG/L
07/11/06	ICP_L	Barium		20	UG/L
07/11/06	ICP_L	Cobalt	<10.0		UG/L
07/11/06	ICP_L	Chromium	<10.0		UG/L
07/11/06	ICP_L	Cadmium	<1.0		UG/L
07/11/06	ICP_L	Silver	<10.0		UG/L
07/11/06	ICP_L	Selenium	<15.0		UG/L
07/11/06	ICP_L	Nickel	<20.0		UG/L
07/11/06	ICP_L	Manganese		68.6	UG/L
07/11/06	ICP_L	Iron		386	UG/L

Attachment 2F-VII-004
Outfall 004 Analytical Results
2004 - 2007

Outfall 004 Sample Date	ANALYSIS	Analyte	Results	Units
07/11/06	ICP_L	Zinc	<20.0	UG/L
10/08/04	ICP_L	Boron	<50	UG/L
10/08/04	ICP_L	Beryllium	<2.0	UG/L
10/08/04	ICP_L	Barium	17	UG/L
10/08/04	ICP_L	Cobalt	<5.0	UG/L
10/08/04	ICP_L	Chromium	<5.0	UG/L
10/08/04	ICP_L	Cadmium	<2.0	UG/L
10/08/04	ICP_L	Silver	<5.0	UG/L
10/08/04	ICP_L	Selenium	<10	UG/L
10/08/04	ICP_L	Nickel	18	UG/L
10/08/04	ICP_L	Manganese	61	UG/L
10/08/04	ICP_L	Iron	880	UG/L
10/08/04	ICP_L	Zinc	96	UG/L
07/27/07	ICPMS_L	Titanium	0.99	UG/L
07/27/07	ICPMS_L	Molybdenum	0.38	UG/L
07/27/07	ICPMS_L	Arsenic	0.95	UG/L
07/27/07	ICPMS_L	Thallium	<0.10	UG/L
07/27/07	ICPMS_L	Lead	0.35	UG/L
07/27/07	ICPMS_L	Antimony	0.49	UG/L
09/28/05	ICPMS_L	Antimony	1.9	UG/L
09/28/05	ICPMS_L	Arsenic	<2.0	UG/L
09/28/05	ICPMS_L	Lead	1.4	UG/L
09/28/05	ICPMS_L	Thallium	<0.40	UG/L
07/11/06	ICPMS_L	Antimony	1.9	UG/L
07/11/06	ICPMS_L	Arsenic	1.2	UG/L
07/11/06	ICPMS_L	Lead	0.52	UG/L
07/11/06	ICPMS_L	Thallium	<0.10	UG/L
10/08/04	ICPMS_L	Antimony	1.7	UG/L
10/08/04	ICPMS_L	Arsenic	<1.0	UG/L
10/08/04	ICPMS_L	Lead	2.3	UG/L
10/08/04	ICPMS_L	Thallium	<0.40	UG/L
07/27/07	NH3_N	Ammonia Nitrogen (as N)	<1.0	MG/L
07/27/07	NO2_NO3_N	Nitrite plus Nitrate Nitrogen (as N)	5.4	MG/L
07/27/07	O_G_1664	Oil & Grease	<5.1	MG/L
07/11/06	O_G_1664	Oil & Grease	<5.1	MG/L
09/28/05	OIL_GREASE	Oil & Grease	<3.2	MG/L
10/08/04	OIL_GREASE	Oil & Grease	<4.2	MG/L
09/28/05	PHENOL_AAP	Phenol (AAP)	<0.010	MG/L
07/27/07	PHENOL_AAP	Phenol (AAP)	<100	UG/L
10/08/04	PHENOL_AAP	Phenol (AAP)	<0.010	MG/L
07/11/06	PHENOL_AAP	Phenol (AAP)	<100	UG/L
07/27/07	SO4	Sulfate (as SO4)	24.7	MG/L
09/28/05	SO4	Sulfate (as SO4)	11	MG/L
07/11/06	SO4	Sulfate (as SO4)	13.9	MG/L
10/08/04	SO4	Sulfate (as SO4)	7.9	MG/L
07/27/07	SOL_F	Soluble Fluoride (Electrode)	0.33	MG/L
07/11/06	SOL_F	Soluble Fluoride (Electrode)	0.96	MG/L
09/28/05	TOT_F	Total Fluoride	2.3	MG/L
10/08/04	TOT_F	Total Fluoride	2.2	MG/L
07/27/07	SURFACT	Surfactants (MBAS)	<0.20	MG/L
07/27/07	TON	Total Organic Nitrogen	<1.0	MG/L
07/27/07	TOT_CN	Total Cyanide	<0.010	MG/L
09/28/05	TOT_CN	Total Cyanide	<0.014	MG/L
07/11/06	TOT_CN	Total Cyanide	<0.010	MG/L
10/08/04	TOT_CN	Total Cyanide	<0.0050	MG/L
07/27/07	TOT_P	Total Phosphorus (as P)	0.093	MG/L
Volatile TIC Results				
07/27/07	VOA_TICS	Unknown (RT 0.805)	22	UG/L
07/27/07	VOA_TICS	Unknown (RT 1.134)	0.37	UG/L
07/27/07	VOA_TICS	Unknown (RT 1.434)	1.6	UG/L
07/11/06	VOA_TICS	Unknown (RT 0.946)	12	UG/L
07/11/06	VOA_TICS	Unknown (RT 1.275)	1.2	UG/L
07/11/06	VOA_TICS	Unknown (RT 1.551)	2.8	UG/L
07/11/06	VOA_TICS	1-Octanol	1.2	UG/L
07/11/06	VOA_TICS	Tetradecane	1	UG/L
07/11/06	VOA_TICS	Tetratriacontane	1.1	UG/L
07/11/06	VOA_TICS	Pentadecane	2.4	UG/L
Semi-Volatile TIC Results				
07/27/07	SV_TICS	Unknown (RT 2.416)	16.3	UG/L
07/27/07	SV_TICS	Ethane, 1,1''-oxybis[2-metho	17.1	UG/L
07/27/07	SV_TICS	Butane, 2-chloro-2-methyl-	16.3	UG/L
07/27/07	SV_TICS	3-Buten-2-ol, 2-methyl-	21.6	UG/L
07/27/07	SV_TICS	2-Propanol, 1-chloro-	19	UG/L
09/28/05	SV_TICS	2-Propenenitrile, 3,3-diphenyl	3.8	UG/L
09/28/05	SV_TICS	Ethane, (2-ethoxy-1-methoxyethoxy-)	860	UG/L
09/28/05	SV_TICS	Phenol, 2-fluoro	16	UG/L
07/11/06	SV_TICS	Amylene Hydrate	131	UG/L
07/11/06	SV_TICS	2-Butanone, 3-methyl-	24.4	UG/L
07/11/06	SV_TICS	Butane, 2-chloro-2-methyl-	36.8	UG/L
07/11/06	SV_TICS	2-Hexene, 2,5,5-trimethyl-	21.3	UG/L
07/11/06	SV_TICS	3-Ethyl-2-methyl-1-hepene	30.1	UG/L
07/11/06	SV_TICS	Ethane, 1,1-oxybis [2-metho	56.4	UG/L
07/11/06	SV_TICS	Cyclohexane, 1,1-dimethyl-	17.2	UG/L
10/08/04	SV_TICS	Cyclohexane, 1-methyl-2-propyl-	43	UG/L
10/08/04	SV_TICS	Ethane, 1,1''-oxybis[2-methoxy]	80	UG/L
10/08/04	SV_TICS	Phosphine oxide, triphenyl-	3.4	UG/L

The following drawings have been filed in the Cordova permit book along with the Renewal of NPDES Permit No. IL0003140:

- Well Field Area Site Drainage Map (CORD-888-C-916)
- Main Plant Area Site Drainage Map A (CORD-888-C-911)
- Main Plant Area Site Drainage Map B (CORD-888-C-915)
- Property Plot Plan (CORD-888-C-001)