BAE SYSTEMS

Radford Army Ammunition Plant
4050 Pepper's Ferry Road, P.O. Box 1
Radford, VA 24143
Telephone: 540-639-8766

10 November 2014

Kevin Harlow
Department of Environmental Quality
Blue Ridge Regional Office
3019 Peters Creek Road
Roanoke, VA 24019

Subject: VPDES Permit no. VA 0000248 Renewal Application

Dear Mr. Harlow:

Enclosed is Radford Army Ammunition Plant's (RFAAP's) VPDES Permit No. VA 0000248 and Sewage Sludge renewal applications.

Forms 1, 2C (Process), and 2F (Storm water) are provided. Process discharge analytical data (attachment A) is provided for 6 process outfalls and 5 storm water ditches with dry weather flow. This dry weather flow is due to water breaks. One of the storm water ditches (3E) is also permitted for intermittent once through cooling water flow. Data was estimated for 2 outfalls that did not have flow during the sampling period. Storm Water analytical data (attachment B) is provided for 6 storm water outfalls. Data was estimated for 2 storm water outfalls that did not have flow during the sampling period. Also as requested on previous applications 5 process outfalls were sampled during storm events and analyzed for 2F parameters.

Additional and supporting information is provided in attachments C-L. As required by our permit a mixing zone review and OCPSF monthly flows are provided. A review of our significantly similar storm water designations resulted in one revision – see attachment J.

As requested one paper copy and one electronic copy on disk is provided.

If you have any questions or comments, please contact Nikki Herschler at (540) 639-8766 or Nichole.Herschler@baesystems.com.

Respectfully,

Jay Stewart
Environmental Manager

Coordination with RFAAP Staff: _____
Brad Jennings

cc: RFAAP ACO Staff/ Jennings
File

FedEx tracking # 7718 2012 1029

14-0900-147
N-Herschler

BAE SYSTEMS

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Radford, VA 24143
Telephone: 540-639-8766

8 December 2014

Kevin Harlow
Department of Environmental Quality
Blue Ridge Regional Office
3019 Peters Creek Road
Roanoke, VA 24019

RECEIVED
DEC 11 2014
DEQ - BRRO

Subject: VPDES Permit no. VA 0000248 Renewal Application – revised pages

Dear Mr. Harlow:

Enclosed are revised pages to be included in the Radford Army Ammunition Plant's (RFAAP's) VPDES Permit No. VA0000248 renewal application.

1. **Form1** was revised to include the operator name
2. **2C page 3** section V.D. was revised to include Strontium based on new information provided by a tenant
3. Attachment F - the cooling water and boiler additive list was revised to include additional chemicals

Please discard the present copies and insert the revised copies.

An electronic copy has been provided by e-mail.

If you have any questions or comments, please contact Nikki Herschler at (540) 639-8766 or Nichole.Herschler@baesystems.com.

Respectfully,

Jay Stewart
Environmental Manager

Coordination with RFAAP Staff: _____
Brad Jennings

cc: RFAAP ACO Staff/ Jennings
File

FedEx tracking # 7721 0567 8110

14-0900-158
N-Herschler

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

S		T/A	C
F	VA1210020730		D
1	2 13	14	15

LABEL ITEMS	
I. EPA I.D. NUMBER	PLEASE PLACE LABEL IN THIS SPACE
III. FACILITY NAME	
V. FACILITY MAILING ADDRESS	
VI. FACILITY LOCATION	

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	Mark "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
	16	17	18		19	20	21
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	
	22	23	24		25	26	27
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	
	28	29	30		31	32	33
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	
	34	35	36		37	38	39
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	
	40	41	42		43	44	45

III. NAME OF FACILITY

C	SKIP	
1		Radford Army Ammunition Plant
15	16 – 29	30 69

IV. FACILITY CONTACT

C	A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2	Stewart, Jay Env Manager	(540) 639-7631
15	16 45	46 48 49 51 52- 55

V. FACILTY MAILING ADDRESS

C	A. STREET OR P.O. BOX
3	4050 Pepper's Ferry Road, P.O. Box 1 Radford AAP
15	16 45

C	B. CITY OR TOWN	C. STATE	D. ZIP CODE
4	Radford	VA	24143
15	16 40	41 42	47 51

VI. FACILITY LOCATION

C	A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER
5	Route 114
15	16 45

B. COUNTY NAME
Montgomery & Pulaski
46 70

C	C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6	Radford	VA	24143	
15	16 40	41 42	47 51	52 -54

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CONTINUED FROM THE FRONT

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

A. FIRST	B. SECOND
7 2892 *(specify)* propellant	7 *(specify)*
C. THIRD	**D. FOURTH**
7 *(specify)*	7 *(specify)*

VIII. OPERATOR INFORMATION

A. NAME: 8 BAE Systems, Ordnance Systems Inc

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)*

F *(specify)*

D. PHONE *(area code & no.)*: A (540) 639-7631

E. STREET OR P.O. BOX: 4050 Pepper's Ferry Road P.O. Box 1

F. CITY OR TOWN: B Radford

G. STATE: VA

H. ZIP CODE: 24143

IX. INDIAN LAND

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

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*	9 N	VA0000248	
D. PSD *(Air Emissions from Proposed Sources)*	9 P	None	
B. UIC *(Underground Injection of Fluids)*	9 U	None	
E. OTHER *(specify)*	9	20656 & 21258	*(specify)* Title V and various new source review permits
C. RCRA *(Hazardous Wastes)*	9 R	VA1210020730	
E. OTHER *(specify)*	9	353 & 433	*(specify)* nonhazardous landfill

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)*

Radford Army Ammunition Plant is an installation responsible to the U.S. Army Operations Support command whose mission is to manufacture propellants, explosives, and chemical materials as assigned.

Commercial industries operate on site as tenants. These include propellant manufacutre and loading, fireworks, loading, machining, and storage.

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
Luis a. Ortiz, LTC, US Army W.M. Barnett, General Manager		12-10-2014

COMMENTS FOR OFFICIAL USE ONLY

C

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
VA1210020730

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

FORM 2C NPDES

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.	
004 (402)	37	11	0	80	33	30	New River
005	37	11	15	80	33	30	New River
006	37	11	30	80	32	15	New River
007	37	11	30	80	31	45	New River
014	37	11	15	80	31	45	New River

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	
004	Storm Water	0.0 MGD	discharge to surface water	4-A	
005	Storm Water	0.01 MGD	discharge to surface water	4-A	
	noncontact cooling water	0.31 MGD			
	Nitrocellulose purif.(pit overflow)	0.001 MGD (0.144 MGD if flow)			
	water line breaks	0.1 MGD			
006	Storm water	0.4 MGD	discharge to surface water	4-A	
	noncontact cooling water	4.9 MGD			
	raw water overflow	4.1 MGD			
	Power house	0.001 MGD			
007	Nitrocellulose manufacturing	1.8 MGD	neutralization	2-K	
	Acid manuf. and concentration	0.04 MGD	sedimentation	1-U	
	Power house	0.08 MGD	discharge to surface water	4-A	
	noncontact cooling water	0.7 MGD			
014	Storm Water	0.1 MGD (total)	discharge to surface water	4-A	
	Spring Water				
	Water Line Breaks				

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

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
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Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

FORM 2C NPDES

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.	
004 (402)	37	11	0	80	33	30	New River
026	37	11	30	80	31	45	New River
028	37	11	30	80	34	30	New River
029	37	11	30	80	32	0	New River
3E	37	11	15	80	33	15	New River

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	
004	storm water	0.0 MGD	discharge to surface water	4-A	
026	sanitary wastewater	0.153 MGD	screening, trickling filtration	1-T	3-H
	laboratory	0.001 MGD	disinfection, dechlorination	2-F	2-E
	laundry	0.02 MGD	anaerobic digestion, drying beds	5-B	5-H
	storm water	0.001 MGD	landfill, discharge to surface water	5-Q	4-A
028	sanitary wastewater	0.0 MGD	screening	1-T	
	noncontact cooling water	4.9 MGD	disinfection	2-F	
	raw water overflow	4.1 MGD	dechlorination	2-E	
	Power house	0.001 MGD	discharge to surface water	4-A	
029	propellant manufacturing	0.61 MGD	screening, pre-aeration	1-T	3-E
	explosives manufacturing	0.06 MGD	RBCs, coagulation	3-A	2-D
	solvent stills	0.12 MGD	flocculation, aerobic digestion	1-G	5-A
	munitions manufacturing	0.001 MGD	thickening, chemical conditioning	5-L	5-E
029 cont.	fire works manufacturing	0.001 MGD	pressure filtration, landfill	5-R	5-Q
	storm water	0.002 MGD	discharge to surface water	4-A	
	research activities	0.001 MGD			
3E	storm water	0.1 MGD (total)	discharge to surface water	4-A	
	noncontact cooing water (intermit)	0.296			
	water breaks	1.256			

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

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EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
VA1210020730

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

FORM 2C NPDES

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.	
044 (15C)	37	11	30	80	31	30	New River
041 (3M)	37	11	15	80	31	45	Stroubles Creek
041 (3W)	37	11	15	80	31	45	Stroubles Creek
007	37	11	30	80	31	45	New River
014	37	11	15	80	31	45	New River

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	
Storm water OF 044 (15C)	water line breaks	0.014	discharge to surface water	4-A	
	spring water				
	storm water				
Storm water OF 041 (3M)	water line breaks	1.001	discharge to surface water	4-A	
	spring water	0.31 MGD			
	storm water	0.001 MGD (0.144 MGD if flow)			
	water line breaks	0.1 MGD			
Storm water OF 041 (3W)	water line breaks	0.257	discharge to surface water	4-A	
	spring water	4.9 MGD			
	storm water	4.1 MGD			
	Power house	0.001 MGD			
007	Nitrocellulose manufacturing	1.8 MGD	neutralization	2-K	
	Acid manuf. and concentration	0.04 MGD	sedimentation	1-U	
	Power house	0.08 MGD	discharge to surface water	4-A	
	noncontact cooling water	0.7 MGD			
014	Storm Water	0.1 MGD (total)	discharge to surface water	4-A	
	Spring Water				
	Water Line Breaks				

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

CONTINUED FROM THE FRONT

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

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

1. OUTFALL NUMBER (*list*)	2. OPERATION(*s*) CONTRIBUTING FLOW (*list*)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (*specify average*)	b. MONTHS PER YEAR (*specify average*)	a. FLOW RATE (*in mgd*)		B. TOTAL VOLUME (*specify with units*)		C. DURATION (*in days*)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
3E	Once through cooling water for solvent recovery buildings during chiller malfunction	7	3	1.2	1.5			90 d/yr

III. PRODUCTION

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

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

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

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

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (*list outfall numbers*)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (*specify*)	
9,760* *Average quantity calculated using operating days only	lb/d	Nitroglycerine	029

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		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may 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*)
VA1210020730

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
Nitrotoluene	propellant ingredient - analyzed at outfall 029 weekly and outfall 007 monthly as per current permit (Data submitted with DMRs)	Pyrethrins	pest control- contractor uses Pyrethrin products for bee and spider control in confined spaces
Resorcinol*	ingredient in certain propellants - not currently made, but possibly will be made in the future	Triethylamine	Triethylamine is present as Triethylamine Salt in Garlon 3A herbicide. It is a minor ingredient. Garlon 3A is used for broadleaved weed and brush control. Also reagent which is drummed for disposal after use in laboratory.
Butyl Acetate*	used in grain inhibiting		
Xylene*	paint solvent - waste is disposed of off-plant	Monomethyl amine*, Ethylene diamine*, Formaldehyde*	reagents which are drummed for disposal after use in laboratories
Zirconium*	Loaded into munitions in pellet form	Cyclohexane	Laboratory reagent
*these chemicals are used on plant but we have no reason to believe they are discharged in wastewater		Strontium*	Loaded into munitions

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*)

Antimony
Arsenic
Copper
Lead
Zinc
Chlorodibromomethane
Chloroform (lab)
1,2-Dichloroethane (lab)
1,1,2,2-Tetrachloroethane
Methylene Chloride (lab)
Toluene
2,4-Dinitrophenol (lab)
Butyl Benzyl Phthalate
Diethyl Phthalate
Di-n-Butyl Phthalate
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-Octyl Phthalate
Nitrobenzene (lab)
N-Nitrosodimethylamine (lab)
Phenanthrene

 CONTINUE ON REVERSE

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*)

Quarterly and annual acute and chronic toxicity testing is conducted on some process discharges as required by the existing VPDES permit. All information has been provided to the DEQ as per permit requirements.

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*)
REI Consultants, Inc.	PO Box 286 Beaver, WV 25813	TEL: 304.255.2500 Website: www.reiclabs.com	All 2C parameters
Pace Analytical Services, Inc.	205 East Meadow Road - Suite A Eden, NC 27288	(336)623-8921	All 2C parameters except VOA, M.B.A.S, color
Eurofins Lancaster Laboratories Environmental	2425 New Holland Pike Lancaster, PA 17601	717-656-2681	All 2C parameters
DRAPER ADEN	2206 S MAIN ST BLACKSBURG, VA 24060	540-552-0444	field testing - pH, temperature, TRC

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.*)
Luis A. Ortiz (LTC, US Army) & William Barnett (GM)	(540) 639-7631
C. SIGNATURE	D. DATE SIGNED
	18 November 2004

Intake
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. Intake

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. 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	**3. Units** a. CONCENTRATION	b. MASS	**4. Intake** *(optional)* a. LONG TERM AVERGE VALUE (1) CONCENTRATION	a. LONG TERM AVERGE VALUE (2) MASS	b. NO. OF ANALYSES
a. BOD	< 4.9						1	mg/l	kg/d			
b. COD	< 50						1	mg/l	kg/d			
c. TOC	1.7						1	mg/l	kg/d			
d. TSS	< 6.00						1	mg/l	kg/d			
e. Ammonia (as N)	< 0.20						1	mg/l	kg/d			
f. Flow	Value		Value		Value			MGD				
g. Temperature *(winter)*	Value 11.5 (4/17/2014)		Value		Value		1	°C				
h. Temperature *(summer)*	Value		Value		Value			°C		Value		
I. pH	Minimum 6.61	Maximum 6.61	Minimum	Maximum			1	Standard Units				

Intake
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. Intake

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 2.5						1	mg/l				
b. Chlorine, TR		x	0.02							mg/l				
c. Color	x		10.0						1	CU				
d. Fecal Coliform	x		157							col/100ml				
e. Flouride (16984-48-8)	x	x	< 0.50						1	mg/l				
f. Nitrate-Nitrite	x		0.74						1	mg/l				
g. Nitrogen, Total Organic		x	< 1.0						1	mg/l				
h. Oil and Grease		x	< 5.0						1	mg/l				
I. Phosphorus (7723-14-0)		x	< 0.10						1	mg/l				
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		5.3						1	mg/l				
l. Sulfide (S)		x	< 0.16						1	mg/l				
m. Sulfite (SO3) (14265-45-3)		x	< 5.0						1	mg/l				
n. Surfactants		x	< 0.12						1	mg/l				
o. Aluminum, total (7429-90-5)	x		87.4						1	ug/l				
p. Barium (7440-39-3)	x		24.1						1	ug/l				
q. Boron (7440-42-8)	x		< 8.4						1	ug/l				
r. Cobalt (7440-48-4)	x		0.12						1	ug/l				

Intake
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. Intake

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		168						1	ug/l				
t. Magnesium, total (7439-96-4)	x		5,070						1	ug/l				
u. Molybdenum, total (7439-98-7)	x		0.32						1	ug/l				
v. Manganese, total (7439-96-5)	x		31.6						1	ug/l				
w.Tin, total (7440-31-5)		x	6.8						1	ug/l				
x. Titanium, total (7440-32-6)		x	< 6.0						1	ug/l				

Intake
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**Intake**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(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	< 0.34						1	ug/L				
2M, Arsenic, total (7440-38-2)	x		x	< 0.78						1	ug/L				
3M, Berylium, total (7440-41-7)	x		x	< 0.045						1	ug/L				
4M, Cadmium, total (7440-43-9)	x		x	< 0.23						1	ug/L				
5M, Chromium, total (7440-47-3)	x		x	< 0.50						1	ug/L				
6M, Copper, total (7440-50-8)	x	x		0.57						1	ug/L				
7M, Lead, total (7439-92-1)	x		x	0.32						1	ug/L				
8M, Mercury, total (7439-97-6)	x		x	< 0.060						1	ug/L				
9M, Nickel, total (7440-02-0)	x		x	< 0.65						1	ug/L				
10M, Selenium, total (7782-49-2)	x		x	< 0.50						1	ug/L				
11M, Silver, total (7440-22-4)	x		x	< 0.11						1	ug/L				
12M, Thallium, total (7440-28-0)	x		x	< 0.15						1	ug/L				
13M, Zinc, total (7440-66-6)	x		x	1.9						1	ug/L				
14M, Cyanide, total (57-12-5)	x		x	< 0.010						1	mg/L				
15M, Phenol, total	x		x	< 0.040						1	mg/L				
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 100						1	ug/L				
2V. Acrylonitrile (107-13-1)	x		x	< 20						1	ug/L				
3V. Benzene (71-43-2)	x		x	< 1						1	ug/L				
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 4						1	ug/L				
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1						1	ug/L				
7V. Chlorobenzene (108-90-7)	x		x	< 1						1	ug/L				
8V. Chlorobromomethane (124-48-1)	x		x	< 5						1	ug/L				

Intake
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**Intake**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1						1	ug/L				
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10						1	ug/L				
11V. Chloroform (67-66-3)	x		x	< 1						1	ug/L				
12V. Dichlorobromomethane (75-27-4)	x		x	< 1						1	ug/L				
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1						1	ug/L				
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1						1	ug/L				
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1						1	ug/L				
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1						1	ug/L				
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1						1	ug/L				
19V. Ethylbenzene (100-41-4)	x		x	< 1						1	ug/L				
20V. Methyl Bromide (74-83-9)	x		x	< 1						1	ug/L				
21V. Methyl Chloride (74-87-3)	x		x	< 1						1	ug/L				
22V. Methylene Chloride (75-09-2)	x		x	< 3						1	ug/L				
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1						1	ug/L				
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1						1	ug/L				
25V. Toluene (108-88-3)	x		x	< 1						1	ug/L				
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1						1	ug/L				
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1						1	ug/L				
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1						1	ug/L				
29V. Tri-chloroethylene (79-01-6)	x		x	< 1						1	ug/L				
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1						1	ug/L				
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 5						1	ug/l				
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 5						1	ug/l				
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 5						1	ug/l				
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 15						1	ug/l				

Intake
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**Intake**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 30						1	ug/l				
6A. 2-Nitrophenol (88-75-5)	x		x	< 5						1	ug/l				
7A. 4-Nitrophenol (100-02-7)	x		x	< 10						1	ug/l				
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 5						1	ug/l				
9A. Penta-chlorophenol (87-86-5)	x		x	< 15						1	ug/l				
10A. Phenol (108-95-2)	x		x	< 5						1	ug/l				
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 5						1	ug/l				
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 5						1	ug/l				
2B. Acenaphtylene (208-96-8)	x		x	< 5						1	ug/l				
3B. Anthracene (120-12-7)	x		x	< 5						1	ug/l				
4B. Benzidine (92-87-5)	x		x	< 61						1	ug/l				
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 5						1	ug/l				
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 5						1	ug/l				
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 5						1	ug/l				
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 5						1	ug/l				
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 5						1	ug/l				
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 5						1	ug/l				
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 5						1	ug/l				
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 5						1	ug/l				
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 5						1	ug/l				
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 5						1	ug/l				
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 5						1	ug/l				
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 5						1	ug/l				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 5						1	ug/l				
18B. Chrysene (218-01-9)	x		x	< 5						1	ug/l				
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 5						1	ug/l				
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 5						1	ug/l				
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 5						1	ug/l				
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 5						1	ug/l				

Intake
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**Intake**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 5						1	ug/l				
24B. Diethyl Phthalate (84-66-2)	x		x	< 5						1	ug/l				
25B. Dimethyl Phthalate (131-11-3)	x		x	< 5						1	ug/l				
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 5						1	ug/l				
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 5						1	ug/l				
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 5						1	ug/l				
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 5						1	ug/l				
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 5						1	ug/l				
31B. Fluoranthene (206-44-0)	x		x	< 5						1	ug/l				
32B. Fluorene (86-73-7)	x		x	< 5						1	ug/l				
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 5						1	ug/l				
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 5						1	ug/l				
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 15						1	ug/l				
36B. Hexa-chloroethane (67-72-1)	x		x	< 5						1	ug/l				
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 5						1	ug/l				
38B. Isophorone (78-59-1)	x		x	< 5						1	ug/l				
39B. Naphthalene (91-20-3)	x		x	< 5						1	ug/l				
40B. Nitrobenzene (98-95-3)	x		x	< 5						1	ug/l				
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 5						1	ug/l				
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 5						1	ug/l				
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 5						1	ug/l				
44B. Phenanthrene (85-01-8)	x		x	< 5						1	ug/l				
45B. Pyrene (129-00-0)	x		x	< 5						1	ug/l				
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 5						1	ug/l				
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.010						1	ug/l				
2P. a-BHC (319-84-6)	x		x	< 0.010						1	ug/l				
3P. b-BHC (319-85-7)	x		x	< 0.010						1	ug/l				
4P. g-BHC (58-59-9)	x		x	< 0.010						1	ug/l				

Intake
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**Intake**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.010						1	ug/l				
6P. Chlordane (57-74-9)	x		x	< 0.52						1	ug/l				
7P. 4-4'-DDT (50-29-3)	x		x	< 0.021						1	ug/l				
8P. 4,4'-DDE (72-55-9)	x		x	< 0.021						1	ug/l				
9P. 4,4'-DDD (72-54-8)	x		x	< 0.021						1	ug/l				
10P Dieldrin (60-57-1)	x		x	< 0.021						1	ug/l				
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.010						1	ug/l				
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.021						1	ug/l				
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.021						1	ug/l				
14P. Endrin (72-20-8)	x		x	< 0.021						1	ug/l				
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.10						1	ug/l				
16P. Heptachlor (76-44-8)	x		x	< 0.010						1	ug/l				
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.010						1	ug/l				
18P. PCB-1242 (53469-21-9)	x		x	< 0.52						1	ug/l				
19P. PCB-1254 (11087-69-1)	x		x	< 0.52						1	ug/l				
20P. PCB-1221 (11104-28-2)	x		x	< 0.52						1	ug/l				
21P. PCB-1232 (11141-16-5)	x		x	< 0.52						1	ug/l				
22P. PCB-1248 (12672-29-6)	x		x	< 0.52						1	ug/l				
23P. PCB-1260 (11098-82-5)	x		x	< 0.52						1	ug/l				
24P. PCB-1016 (12674-11-2)	x		x	< 0.52						1	ug/l				
25P. Toxaphene (8001-35-2)	x		x	< 1.0						1	ug/l				

Outfall 402	information estimated due to no dry weather flow	EPA I.D. NUMBER *(copy from item 1 of Form 1)*	
2C	Outfall 005 used for basis	VA1210020730	

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

OUTFALL NO. 402 estimate - no flow

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. 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	**3. Units** a. CONCENTRATION	b. MASS	**4. Intake** *(optional)* a. LONG TERM AVERGE VALUE (1) CONCENTRATION	a. LONG TERM AVERGE VALUE (2) MASS	b. NO. OF ANALYSES
a. BOD	42	38.74	8.4	13.01	2.4	2.96	est	mg/l	kg/d			
b. COD	59	71.31	17.8	25.48	5.0	7.61	est	mg/l	kg/d			
c. TOC	1.04	0.99					est	mg/l	kg/d			
d. TSS	15	31.77	12.00	31.77	5.0	7.13	est	mg/l	kg/d			
e. Ammonia (as N)	< 0.10	< 0.10					est	mg/l	kg/d			
f. Flow	Value 1.98653		Value 0.65328		Value 0.42144		est	MGD		Value		
g. Temperature *(winter)*	Value 18.0		Value 15.0		Value 10.1		est	C		Value		
h. Temperature *(summer)*	Value 26.0		Value 23.4		Value 20.6		est	C		Value		
I. pH	Minimum 6.4	Maximum 8.8	Minimum 7.4	Maximum 8.3			est	Standard Units				

Outfall 402
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 402 est. - no flow

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 expressely, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 9.546E-02					est	mg/l	kg/d			
b. Chlorine, TR		x	n/a						est	mg/l	kg/d			
c. Color		x	10						est	CU				
d. Fecal Coliform		x	43						est	col/100 mL				
e. Flouride (16984-48-8)		x	< 0.20	< 1.909E-01					est	mg/l	kg/d			
f. Nitrate-Nitrite	x		49.0	1.083E+02	12.8	2.824E+01	2.0	3.693E+00	est	mg/l	kg/d			
g. Nitrogen, Total Organic	x		0.20	1.909E-01					est	mg/l	kg/d			
h. Oil and Grease		x	< 5	< 5.889E+00					est	mg/l	kg/d			
I. Phosphorus (7723-14-0)	x		< 0.05	< 4.773E-02					est	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		78.0	1.724E+02	49.3	6.269E+01	22.9	3.135E+01	est	mg/l	kg/d			
l. Sulfide (S)		x	< 1.00	< 9.546E-01					est	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 2.00	< 1.909E+00					est	mg/l	kg/d			
n. Surfactants		x	< 0.250	< 2.386E-01					est	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		0.762	7.274E-01					est	mg/l	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			

Outfall 402
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 402 est. - no flow

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 expressely, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		< 0.100	< 9.546E-02					est	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		10.2	9.737E+00					est	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
w.Tin, total (7440-31-5)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			

Outfall 402
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**402 - estimate - no flow**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.200	< 1.909E-01					est	mg/l	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 1.909E-01					est	mg/l	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.010	< 9.546E-03					est	mg/l	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.020	< 1.909E-02					est	mg/l	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
6M, Copper, total (7440-50-8)	x		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 0.200	< 1.909E-01					est	mg/l	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.0010	< 9.546E-04					est	mg/l	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.100	< 9.546E-02					est	mg/l	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 1.909E-01					est	mg/l	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 4.773E-02					est	mg/l	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 1.909E-01					est	mg/l	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 0.050	< 4.773E-02					est	mg/l	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.020	< 2.827E-02					est	mg/l	kg/d			
15M, Phenol, total	x		x	< 0.010	< 1.178E-02					est	mg/l	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 4.792E-03					est	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 10	< 9.546E-03					est	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS						est					
5V. Bromoform (75-25-2)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			

Outfall 402
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**402 - estimate - no flow**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10	< 9.546E-03					est	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 5.0	< 4.773E-03					est	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			

Outfall 402
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**402 - estimate - no flow**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			

Outfall 402
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**402 - estimate - no flow**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 0.0100	< 9.546E-03					est	mg/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			

Outfall 402
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**402 - estimate - no flow**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.00503	< 4.802E-03					est	mg/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.00050	< 4.773E-04					est	mg/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.00503	< 4.802E-03					est	mg/l	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 005

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	2. EFFLUENT							3. Units		4. Intake *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	42	38.74	8.4	13.01	2.4	2.96	53	mg/l	kg/d			
b. COD	59	71.31	17.8	25.48	5.0	7.61	53	mg/l	kg/d			
c. TOC	1.04	0.99					1	mg/l	kg/d			
d. TSS	15	31.77	12.00	31.77	5.0	7.13	13	mg/l	kg/d			
e. Ammonia (as N)	< 0.10	< 0.10					1	mg/l	kg/d			
f. Flow	Value 1.98653		Value 0.65328		Value 0.42144		cont.	MGD		Value		
g. Temperature *(winter)*	Value 18.0		Value 15.0		Value 10.1		cont.	C		Value		
h. Temperature *(summer)*	Value 26.0		Value 23.4		Value 20.6		cont.	C		Value		
I. pH	Minimum 6.4	Maximum 8.8	Minimum 7.4	Maximum 8.3			cont.	Standard Units				

Outfall 005
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 005

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 expressely, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 9.546E-02					1	mg/l	kg/d			
b. Chlorine, TR		x	n/a						1	mg/l	kg/d			
c. Color		x	10						1	CU				
d. Fecal Coliform		x	43						1	col/100 mL				
e. Flouride (16984-48-8)		x	< 0.20	< 1.909E-01					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		49.0	1.083E+02	12.8	2.824E+01	2.0	3.693E+00	53	mg/l	kg/d			
g. Nitrogen, Total Organic	x		0.20	1.909E-01					1	mg/l	kg/d			
h. Oil and Grease		x	< 5	< 5.889E+00					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)	x		< 0.05	< 4.773E-02					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		78.0	1.724E+02	49.3	6.269E+01	22.9	3.135E+01	53	mg/l	kg/d			
l. Sulfide (S)		x	< 1.00	< 9.546E-01					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 2.00	< 1.909E+00					1	mg/l	kg/d			
n. Surfactants		x	< 0.250	< 2.386E-01					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		0.762	7.274E-01					1	mg/l	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 005

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 expressely, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		< 0.100	< 9.546E-02					1	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		10.2	9.737E+00					1	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
w.Tin, total (7440-31-5)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**005**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.200	< 1.909E-01					1	mg/l	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 1.909E-01					1	mg/l	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.010	< 9.546E-03					1	mg/l	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.020	< 1.909E-02					1	mg/l	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
6M, Copper, total (7440-50-8)	x		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 0.200	< 1.909E-01					1	mg/l	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.0010	< 9.546E-04					1	mg/l	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.100	< 9.546E-02					1	mg/l	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 1.909E-01					1	mg/l	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 4.773E-02					1	mg/l	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 1.909E-01					1	mg/l	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 0.050	< 4.773E-02					1	mg/l	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.020	< 2.827E-02					1	mg/l	kg/d			
15M, Phenol, total	x		x	< 0.010	< 1.178E-02					1	mg/l	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 4.792E-03					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 10	< 9.546E-03					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**005**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10	< 9.546E-03					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 5.0	< 4.773E-03					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**005**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**005**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 0.0100	< 9.546E-03					1	mg/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			

Outfall 005
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**005**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.00503	< 4.802E-03					1	mg/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.00050	< 4.773E-04					1	mg/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.00503	< 4.802E-03					1	mg/l	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 006

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	2. EFFLUENT							3. Units		4. Intake *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	8	163	8	163	1	13	13	mg/l	kg/d			
b. COD	15	463	15	463	5	133	13	mg/l	kg/d			
c. TOC	1.38	35.69					1	mg/l	kg/d			
d. TSS	< 1	< 26					1	mg/l	kg/d			
e. Ammonia (as N)	0.12	3.10					1	mg/l	kg/d			
f. Flow	Value 16.8935		Value 11.3476		Value 9.4147		cont.	MGD		Value		
g. Temperature *(winter)*	Value 28		Value 19		Value 15		cont.	C		Value		
h. Temperature *(summer)*	Value 31		Value 28		Value 25		cont.	C		Value		
I. pH	Minimum 6.6	Maximum 8.6	Minimum 7.2	Maximum 8.1			cont.	Standard Units				

Outfall 006
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 006

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 2.586E+00					1	mg/l	kg/d			
b. Chlorine, TR		x	0.05	1.893E+00					1	mg/l	kg/d			
c. Color		x	15.0						1	CU				
d. Fecal Coliform		x	5						1					
e. Flouride (16984-48-8)		x	< 0.20	< 5.173E+00					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		0.80	3.029E+01	0.80	3.029E+01	0.59	2.047E+01	13	mg/l	kg/d			
g. Nitrogen, Total Organic	x		0.27	6.983E+00					1	mg/l	kg/d			
h. Oil and Grease	x		< 5.0	< 1.078E+02					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)	x		< 0.05	< 1.293E+00					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		6.2	2.319E+02	6.2	231.9	4.5	147.5	13	mg/l	kg/d			
l. Sulfide (S)		x	< 1.00	< 2.586E+01					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 2.00	< 5.173E+01					1	mg/l	kg/d			
n. Surfactants		x	< 0.0625	< 1.616E+00					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 006

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		< 0.100	< 2.586E+00					1	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		5.420	1.402E+02					1	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
w.Tin, total (7440-31-5)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**006**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.200	< 5.173E+00					1	mg/l	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 5.173E+00					1	mg/l	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.010	< 2.586E-01					1	mg/l	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.020	< 5.173E-01					1	mg/l	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
6M, Copper, total (7440-50-8)	x		x	< 0.100	2.586E+00					1	mg/l	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 0.200	5.173E+00					1	mg/l	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.0010	< 2.586E-02					1	mg/l	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.100	< 2.586E+00					1	mg/l	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 5.173E+00					1	mg/l	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 1.293E+00					1	mg/l	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 5.173E+00					1	mg/l	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 0.050	1.293E+00					1	mg/l	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.020	< 1.210E+00					1	mg/l	kg/d			
15M, Phenol, total	x		x	< 0.010	< 2.157E-01					1	mg/l	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 3.494E-01					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 10	< 3.494E-01					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**006**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 5.0	< 1.747E-01					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1.0	< 3.494E-02					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**006**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**006**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 0.0100	< 2.586E-01					1	mg/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			

Outfall 006
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**006**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.00499	< 1.291E-01					1	mg/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.00049	< 1.267E-02					1	mg/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.00499	< 1.291E-01					1	mg/l	kg/d			

Outfall 007
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 007

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	2. EFFLUENT							3. Units		4. Intake *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	39	562	19	244	10	119	53	mg/l	kg/d			
b. COD	81	1,246	51	633	33	368	53	mg/l	kg/d			
c. TOC	4.8	47.1					1	mg/l	kg/d			
d. TSS	62.0	953.6	26.3	354.5	15.6	174.5	53	mg/l	kg/d			
e. Ammonia (as N)	1.32	13.64	1.32	13.64	0.13	1.27	13	mg/l	kg/d			
f. Flow	Value 4.4950		Value 2.9440		Value 2.4137		cont.	MGD		Value		
g. Temperature *(winter)*	Value 26.0		Value 21.4		Value 17.5		cont.	°C		Value		
h. Temperature *(summer)*	Value 33.0		Value 29.6		Value 27.3		cont.	°C		Value		
I. pH	Minimum 6.2	Maximum 7.9	Minimum 6.9	Maximum 7.1			cont.	Standard Units				

Outfall 007
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 007

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.50	< 4.901E+00					1	mg/l	kg/d			
b. Chlorine, TR		x	0.05	6.170E-01						mg/l	kg/d			
c. Color	x		15.0						1	CU				
d. Fecal Coliform		x	1							col/100ml				
e. Flouride (16984-48-8)	x		0.20	1.960E+00					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		385.0	4.380E+03	278.0	3.238E+03	200.0	2.338E+03	53	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 0.10	< 9.802E-01					1	mg/l	kg/d			
h. Oil and Grease		x	< 5.0	< 3.843E+01					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)		x	< 0.05	< 4.901E-01					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		712.0	7.727E+03	420.4	4.945E+03	278.6	3.203E+03	53	mg/l	kg/d			
l. Sulfide (S)		x	< 1.00	< 9.802E+00					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 2.00	< 1.960E+01					1	mg/l	kg/d			
n. Surfactants		x	< 0.0625	< 6.126E-01					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		0.422	4.137E+00					1	mg/l	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 007

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		0.211	2.068E+00					1	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		16.8	1.647E+02					1	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			
w.Tin, total (7440-31-5)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 9.802E-01					1	mg/l	kg/d			

Outfall 007
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**007**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.200	< 1.960E+00					1	mg/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 1.960E+00					1	mg/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.010	< 9.802E-02					1	mg/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.020	< 1.960E-01					1	mg/L	kg/d			
5M, Chromium, total (7440-47-3)	x	x		9.4	1.139E+02	5.3	1.139E+02	5.3	4.922E+01	4	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x	x		8.2	7.930E+01	8.2	7.930E+01	7.2	6.502E+01	4	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x	x		2.3	2.224E+01	2.3	2.224E+01	1.2	1.048E+01	4	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.001	< 9.802E-03					1	mg/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	15.60	1.636E+02	15.6	1.292E+02	11	1.172E+02	4	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 1.960E+00					1	mg/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 4.901E-01					1	mg/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 1.960E+00					1	mg/L	kg/d			
13M, Zinc, total (7440-66-6)	x	x		34.5	4.181E+02	34.5	4.181E+02	20.2	2.002E+02	4	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x	x		182.0	2.371E+03	182.0	2.371E+03	105.5	1.255E+03	2	ug/L	kg/d			
15M, Phenol, total	x		x	0.011	8.455E-02					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 9.304E-02					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 10	< 9.304E-02					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			

Outfall 007
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**007**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1.0	< 9.304E-03					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			

Outfall 007
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**007**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
10A. Phenol (108-95-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
3B. Anthracene (120-12-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
4B. Benzidine (92-87-5)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
18B. Chrysene (218-01-9)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			

Outfall 007
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**007**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 9.9	< 9.704E-02					1	mg/L	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
32B. Fluorene (86-73-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
38B. Isophorone (78-59-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
45B. Pyrene (129-00-0)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 9.9	< 9.704E-02					1	ug/L	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			

Outfall 007
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**007**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
6P. Chlordane (57-74-9)	x		x	< 4.95	< 4.852E-02					1	ug/L	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.49	< 4.803E-03					1	ug/L	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 4.95	< 4.852E-02					1	ug/L	kg/d			

Outfall 014
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EPA I.D. NUMBER *(copy from item 1 of Form 1)*
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V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 014

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 AND CAS NO. *(if available)*	2. EFFLUENT							3. Units		4. Intake *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	8.0	2.6	8.0	2.6	1.2	0.3	13	mg/l	kg/d			
b. COD	13.0	5.2	13.0	5.2	1.8	0.8	13	mg/l	kg/d			
c. TOC	< 1.00	< 0.2					1	mg/l	kg/d			
d. TSS	4.0	0.9					1	mg/l	kg/d			
e. Ammonia (as N)	< 0.10	< 0.02					1	mg/l	kg/d			
f. Flow	Value 0.1489		Value 0.1489		Value 0.09308		14	MGD		Value		
g. Temperature *(winter)*	Value 16.3		Value 16.3		Value 13.5		5	C		Value		
h. Temperature *(summer)*	Value 21.1		Value 21.1		Value 18.0		5	C		Value		
I. pH	Minimum 6.7	Maximum 8.3	Minimum 6.7	Maximum 8.3			13	Standard Units				

Outfall 014
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EPA I.D. NUMBER *(copy from item 1 of Form 1)*
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V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 014

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 2.162E-02					1	mg/l	kg/d			
b. Chlorine, TR		x	0.01											
c. Color		x	< 5						1	CU				
d. Fecal Coliform		x	2											
e. Flouride (16984-48-8)	x		0.42	9.079E-02					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		1.7	7.300E-01	1.7	7.300E-01	1.1	3.800E-01	13	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 0.27	< 5.837E-02					1	mg/l	kg/d			
h. Oil and Grease		x	< 5.0	< 1.081E+00					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)	x		< 0.05	< 1.081E-02					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		19.6	8.450E+00	19.6	8.450E+00	14.34	4.830E+00	13	mg/l	kg/d			
l. Sulfide (S)		x	< 1.00	< 2.162E-01					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	n/a											
n. Surfactants		x	< 0.0625	< 1.351E-02					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 014

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		12.8	2.767E+00					1	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			
w.Tin, total (7440-31-5)		x	< 0.500	< 1.081E-01					1	mg/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 2.162E-02					1	mg/l	kg/d			

Outfall 014
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EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**014**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.200	< 4.323E-02					1	mg/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 4.323E-02					1	mg/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.010	< 2.162E-03					1	mg/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.020	< 4.323E-03					1	mg/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 0.100	< 2.162E-02					1	mg/L	kg/d			
6M, Copper, total (7440-50-8)	x		x	< 0.100	< 2.162E-02					1	mg/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 0.200	< 4.323E-02					1	mg/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.0010	< 2.162E-04					1	mg/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.100	< 2.162E-02					1	mg/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 4.323E-02					1	mg/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 1.081E-02					1	mg/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 4.323E-02					1	mg/L	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 0.050	< 1.081E-02					1	mg/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.020	< 7.085E-03					1	mg/L	kg/d			
15M, Phenol, total	x		x	< 0.010	< 2.162E-03					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 2.582E-03					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			

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2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**014**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 1.0	< 2.582E-04					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1.0	2.332E-04					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1.0	< 2.332E-04					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			

Outfall 014
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**014**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
10A. Phenol (108-95-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
3B. Anthracene (120-12-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
4B. Benzidine (92-87-5)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
18B. Chrysene (218-01-9)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			

Outfall 014
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**014**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
32B. Fluorene (86-73-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
38B. Isophorone (78-59-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
45B. Pyrene (129-00-0)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 0.0100	< 2.162E-03					1	mg/L	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			

Outfall 014
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**014**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.00502	< 1.085E-03					1	mg/L	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.00050	< 1.081E-04					1	mg/L	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.00502	< 1.085E-03					1	mg/L	kg/d			

Outfall 026
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 026

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. EFFLUENT**							**3. Units**		**4. Intake** *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	25.0	23.5	2.6	1.6	0.5	0.5	157	mg/l	kg/d			
b. COD	15.0	14.6	13.0	14.6	5.7	3.7	14	mg/l	kg/d			
c. TOC	1.42	0.77					1	mg/l	kg/d			
d. TSS	10.0	16.8	2.9	2.7	1.6	1.4	157	mg/l	kg/d			
e. Ammonia (as N)	0.00	0.00	0.00	0.00	0.00	0.00	54	mg/l	kg/d			
f. Flow	Value 0.8114		Value 0.1753		Value 0.2581		cont.	MGD		Value		
g. Temperature *(winter)*	Value 21.0		Value 17.0		Value 12.3		est	C		Value		
h. Temperature *(summer)*	Value 31.0		Value 16.0		Value 21.8		est	C		Value		
I. pH	Minimum 6.3	Maximum 7.8	Minimum 6.8	Maximum 7.1			cont.	Standard Units				

Outfall 026
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 026

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 5.310E-02					1	mg/l	kg/d			
b. Chlorine, TR		x	< 0.10						365	mg/l				
c. Color		x	15						1	CU				
d. Fecal Coliform	x		< 1						1	Col/100ml				
e. Flouride (16984-48-8)		x	< 0.2	< 1.062E-01					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		5.0	4.535E+00	3.8	2.918E+00	3.0	1.853E+00	54	mg/l	kg/d			
g. Nitrogen, Total Organic	x		0.52	2.761E-01					1	mg/l	kg/d			
h. Oil and Grease	x		< 5.0	< 2.585E+00					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)	x		0.34	1.806E-01					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		25.8	2.903E+01	25.8	2.903E+01	16.3	1.072E+01	13	mg/l	kg/d			
l. Sulfide (S)		x	n/a											
m. Sulfite (SO3) (14265-45-3)		x	< 2.00	< 1.062E+00					1	mg/l	kg/d			
n. Surfactants		x	< 0.025	< 1.328E-02					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 026

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		< 0.100	< 5.310E-02					1	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		6.16	3.271E+00					1	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			
w.Tin, total (7440-31-5)		x	< 0.500	< 2.655E-01					1	mg/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 5.310E-02					1	mg/l	kg/d			

Outfall 026
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**026**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.200	< 1.062E-01					1	mg/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 1.062E-01					1	mg/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.010	< 5.310E-03					1	mg/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.020	< 1.062E-02					1	mg/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 0.100	< 5.310E-02					1	mg/L	kg/d			
6M, Copper, total (7440-50-8)	x		x	< 0.100	< 5.310E-02					1	mg/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 0.200	< 1.062E-01					1	mg/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.0010	< 5.310E-04					1	mg/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.100	< 5.310E-02					1	mg/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 1.062E-01					1	mg/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 2.655E-02					1	mg/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 1.062E-01					1	mg/L	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 0.050	< 2.655E-02					1	mg/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.020	< 1.034E-02					1	mg/L	kg/d			
15M, Phenol, total	x		x	< 0.010	< 5.170E-03					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 4.292E-03					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			

Outfall 026
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**026**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1.0	< 4.292E-04					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			

Outfall 026
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**026**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
10A. Phenol (108-95-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
3B. Anthracene (120-12-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
4B. Benzidine (92-87-5)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
18B. Chrysene (218-01-9)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			

Outfall 026
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**026**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
32B. Fluorene (86-73-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
38B. Isophorone (78-59-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
45B. Pyrene (129-00-0)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 0.0100	< 5.310E-03					1	mg/L	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			

Outfall 026
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**026**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.00500	< 2.655E-03					1	mg/L	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.00050	< 2.655E-04					1	mg/L	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.00500	< 2.655E-03					1	mg/L	kg/d			

Outfall 028
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

This outfall is not currently active so historical data was used to estimate values.

OUTFALL NO. 028 estimated

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	2. EFFLUENT							3. Units		4. Intake *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	10.7	1.17	6.8	0.78	3.93	0.36	est.	mg/l	kg/d			
b. COD	5.0	0.43					est.	mg/l	kg/d			
c. TOC	4.2	0.36					est.	mg/l	kg/d			
d. TSS	13.2	3.96	5.1	1.03	2.11	0.23	est.	mg/l	kg/d			
e. Ammonia (as N)	1.3	0.11					est.	mg/l	kg/d			
f. Flow	Value 0.079		Value 0.038		Value 0.025		est.	MGD		Value		
g. Temperature *(winter)*	Value 11.0		Value 8.0		Value 8.0		est.	C		Value		
h. Temperature *(summer)*	Value 23.9		Value		Value		est.	C		Value		
I. pH	Minimum 6.2	Maximum 7.7	Minimum 6.5	Maximum 7.4			est.	Standard Units				

Outfall 028
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 028 estimated

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x								mg/l	kg/d			
b. Chlorine, TR		x								mg/l				
c. Color		x	< 25						est.	CU				
d. Fecal Coliform		x	0						est.	Col/100ml				
e. Flouride (16984-48-8)		x								mg/l	kg/d			
f. Nitrate-Nitrite	x		0.96	1.000E-01	0.71	6.000E-02	0.357	4.000E-02	est.	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 0.2	< 1.734E-02					est.	mg/l	kg/d			
h. Oil and Grease		x	< 1	< 8.668E-02					est.	mg/l	kg/d			
I. Phosphorus (7723-14-0)		x								mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x												
(2) Beta T		x												
(3) Radium T		x												
(4) Radium 226 T		x												
k. Sulfate (SO4) (14808-79-8)	x		35	9.290E+00	35	9.290E+00	24.58	2.780E+00	est.	mg/l	kg/d			
l. Sulfide (S)	x		24	2.080E+00					est.	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)	x		1	8.668E-02					est.	mg/l	kg/d			
n. Surfactants		x	< 0.025	< 2.167E-03					est.	mg/l	kg/d			
o. Aluminum, total (7429-90-5)		x								mg/l	kg/d			
p. Barium (7440-39-3)		x								mg/l	kg/d			
q. Boron (7440-42-8)		x								mg/l	kg/d			
r. Cobalt (7440-48-4)		x								mg/l	kg/d			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 028 estimated

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		289	2.505E-02					est.	mg/l	kg/d			
t. Magnesium, total (7439-96-4)	x		4720	4.091E-01					est.	mg/l	kg/d			
u. Molybdenum, total (7439-98-7)		x								mg/l	kg/d			
v. Manganese, total (7439-96-5)		x								mg/l	kg/d			
w.Tin, total (7440-31-5)		x								mg/l	kg/d			
x. Titanium, total (7440-32-6)		x								mg/l	kg/d			

Outfall 028
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**028 estimated**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 1	< 8.668E-05					est.	ug/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 1	< 8.668E-05					est.	ug/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.2	< 1.734E-05					est.	ug/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 2	< 1.734E-04					est.	ug/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 2	< 1.734E-04					est.	ug/L	kg/d			
13M, Zinc, total (7440-66-6)	x	x		10.2	8.841E-04					est.	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	5	4.334E-04					est.	ug/L	kg/d			
15M, Phenol, total	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 50	< 4.334E-03					est.	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 10	< 8.668E-04					est.	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			

Outfall 028
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**028 estimated**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	20.9	1.812E-03					est.	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 10	< 8.668E-04					est.	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 5	< 4.334E-04					est.	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			

Outfall 028
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**028 estimated**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
10A. Phenol (108-95-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
3B. Anthracene (120-12-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
4B. Benzidine (92-87-5)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	7	6.067E-04					est.	ug/L	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
18B. Chrysene (218-01-9)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	5.4	4.681E-04					est.	ug/L	kg/d			

Outfall 028
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**028 estimated**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
32B. Fluorene (86-73-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 20.6	< 1.786E-03					est.	ug/L	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
38B. Isophorone (78-59-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
45B. Pyrene (129-00-0)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 10.3	< 8.928E-04					est.	ug/L	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			

Outfall 028
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**028 estimated**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.05	< 4.334E-06					est.	ug/L	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.1	< 8.668E-06					est.	ug/L	kg/d			

Outfall 029
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 029

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. EFFLUENT**							**3. Units**		**4. Intake** *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	59	173.97	17	55	4	12	53	mg/l	kg/d			
b. COD	84	281.03	46	139.37	28	85.90	53	mg/l	kg/d			
c. TOC	4.53	13.46					1	mg/l	kg/d			
d. TSS	60	153.36	35	94.94	15	44.75	53	mg/l	kg/d			
e. Ammonia (as N)	< 0.10	< 0.30					1	mg/l	kg/d			
f. Flow	Value 2.644		Value 0.9242		Value 0.7875		cont.	MGD		Value		
g. Temperature *(winter)*	Value 20.0		Value 17.0		Value 14.2		cont.	C		Value		
h. Temperature *(summer)*	Value 26.0		Value 24.0		Value 22.7		cont.	C		Value		
I. pH	Minimum 7.6	Maximum 8.5	Minimum 8.0	Maximum 8.3			cont.	Standard Units				

Outfall 029
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 029

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 2.972E-01					1	mg/l	kg/d			
b. Chlorine, TR		x	< 0.05	< 1.145E-01					1	mg/l	kg/d			
c. Color		x	25						1	CU				
d. Fecal Coliform		x	5											
e. Flouride (16984-48-8)		x	< 0.20	< 5.943E-01					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		36.0	1.155E+02	22.0	6.734E+01	8.9	2.672E+01	53	mg/l	kg/d			
g. Nitrogen, Total Organic	x		0.66	1.961E+00					1	mg/l	kg/d			
h. Oil and Grease		x	< 5	< 1.584E+01					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)	x		< 0.05	< 1.486E-01					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		55.9	1.709E+02	55.9	6.734E+01	38.7	2.672E+01	14	mg/L	kg/d			
l. Sulfide (S)		x	n/a											
m. Sulfite (SO3) (14265-45-3)		x	< 2	< 5.943E+00					1	mg/L	kg/d			
n. Surfactants		x	< 0.025	< 7.429E-02					1	mg/L	kg/d			
o. Aluminum, total (7429-90-5)	x		0.336	9.985E-01					1	mg/L	kg/d			
p. Barium (7440-39-3)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			
q. Boron (7440-42-8)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			
r. Cobalt (7440-48-4)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 029

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			
t. Magnesium, total (7439-96-4)	x		8.32	2.472E+01					1	mg/L	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			
v. Manganese, total (7439-96-5)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			
w.Tin, total (7440-31-5)		x	< 0.500	< 1.486E+00					1	mg/L	kg/d			
x. Titanium, total (7440-32-6)		x	< 0.100	< 2.972E-01					1	mg/L	kg/d			

Outfall 029
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**029**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(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	< 0.200	< 5.943E-01					1	mg/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.200	< 5.943E-01					1	mg/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.01	< 2.972E-02					1	mg/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.02	< 5.943E-02					1	mg/L	kg/d			
5M, Chromium, total (7440-47-3)	x	x		< 10	< 0.000E+00	< 10	< 0.000E+00	< 10	< 0.000E+00	4	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x	x		20.9	7.705E+01	20.9	7.117E+01	16.2	5.655E+01	4	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x	x		61	2.146E+02	61	2.146E+02	36	1.257E+02	4	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.0010	< 2.972E-03					1	mg/L	kg/d			
9M, Nickel, total (7440-02-0)	x	x		< 10	< 0.000E+00	< 10	< 0.000E+00	< 10	< 0.000E+00	4	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.200	< 5.943E-01					1	mg/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.050	< 1.486E-01					1	mg/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.200	< 5.943E-01					1	mg/L	kg/d			
13M, Zinc, total (7440-66-6)	x	x		15	5.215E+01	15	5.215E+01	7	2.324E+01	4	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.02	< 6.654E-02					1	mg/L	kg/d			
15M, Phenol, total	x		x	< 0.010	< 3.169E-02					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 10	< 2.789E-02					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 10	< 2.789E-02					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			

Outfall 029
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**029**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 5.0	< 1.395E-02					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1.0	< 2.789E-03					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			

Outfall 029
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**029**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
10A. Phenol (108-95-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
3B. Anthracene (120-12-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
4B. Benzidine (92-87-5)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
18B. Chrysene (218-01-9)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			

Outfall 029
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EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**029**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 0.0099	< 2.942E-02					1	ug/L	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	13.5	4.331E+01	3.4	1.083E+01	0.4	1.237E+00	53	ug/L	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
32B. Fluorene (86-73-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
38B. Isophorone (78-59-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
45B. Pyrene (129-00-0)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 0.0099	< 2.942E-02					1	mg/L	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			

Outfall 029
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**029**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.0499	< 1.483E-01					1	mg/L	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.00499	< 1.483E-02					1	mg/L	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.0499	< 1.483E-01					1	mg/L	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 041-3E

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. EFFLUENT**							**3. Units**		**4. Intake** *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	< 4.7	< 22.7					1	mg/l	kg/d			
b. COD	< 50	< 241.5					1	mg/l	kg/d			
c. TOC	2.1	10.1					1	mg/l	kg/d			
d. TSS	< 6.00	< 29.0					1	mg/l	kg/d			
e. Ammonia (as N)	< 0.20	< 1.0					1	mg/l	kg/d			
f. Flow	Value 1.2759		Value		Value		1	MGD				
g. Temperature *(winter)*	Value 11.9 (4/16/2014)		Value		Value		1	°C				
h. Temperature *(summer)*	Value		Value		Value			°C		Value		
I. pH	Minimum 7.18	Maximum 7..18	Minimum	Maximum			1	Standard Units				

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 041-3E

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 2.5	< 1.207E+01					1	mg/l	kg/d			
b. Chlorine, TR		x	0.02	9.659E-02					1	mg/l	kg/d			
c. Color	x		10.0						1	CU				
d. Fecal Coliform	x		34						1	col/100ml				
e. Flouride (16984-48-8)	x		< 0.050	< 2.415E-01					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		0.95	4.588E+00					1	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 1.0	< 4.829E+00					1	mg/l	kg/d			
h. Oil and Grease		x	< 5.0	< 2.415E+01					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)		x	< 0.10	< 4.829E-01					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		15.3	7.389E+01					1	mg/l	kg/d			
l. Sulfide (S)		x	< 0.16	< 7.727E-01					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 5.0	< 2.415E+01					1	mg/l	kg/d			
n. Surfactants		x	< 0.12	< 5.795E-01					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		48.9	2.362E-01					1	ug/l	kg/d			
p. Barium (7440-39-3)	x		33.9	1.637E-01					1	ug/l	kg/d			
q. Boron (7440-42-8)	x		12.6	6.085E-02					1	ug/l	kg/d			
r. Cobalt (7440-48-4)		x	< 0.10	< 4.829E-04					1	ug/l	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 041-3E

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		60.4	2.917E-01					1	ug/l	kg/d			
t. Magnesium, total (7439-96-4)	x		12,200	5.892E+01					1	ug/l	kg/d			
u. Molybdenum, total (7439-98-7)	x		1.7	8.210E-03					1	ug/l	kg/d			
v. Manganese, total (7439-96-5)	x		1.7	8.210E-03					1	ug/l	kg/d			
w.Tin, total (7440-31-5)		x	< 2.9	< 1.401E-02					1	ug/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 6.0	< 2.898E-02					1	ug/l	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3E**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.34	< 1.642E-03					1	ug/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.78	< 3.767E-03					1	ug/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.045	< 2.173E-04					1	ug/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.23	< 1.111E-03					1	ug/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 0.50	< 2.415E-03					1	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x	x		0.66	3.187E-03					1	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 0.085	< 4.105E-04					1	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.060	< 2.898E-04					1	ug/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.65	< 3.139E-03					1	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.50	< 2.415E-03					1	ug/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.11	< 5.312E-04					1	ug/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.15	< 7.244E-04					1	ug/L	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 1.5	< 7.244E-03					1	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.010	< 4.829E-02					1	mg/L	kg/d			
15M, Phenol, total	x		x	< 0.040	< 1.932E-01					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 100	< 4.829E-01					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 20	< 9.659E-02					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 4	< 1.932E-02					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5	< 2.415E-02					1	ug/L	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3E**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10	< 4.829E-02					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 3	< 1.449E-02					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1	< 4.829E-03					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 15	< 7.244E-02					1	ug/l	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3E**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 30	< 1.449E-01					1	ug/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 10	< 4.829E-02					1	ug/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 15	< 7.244E-02					1	ug/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 61	< 2.946E-01					1	ug/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	23	< 1.111E-01					1	ug/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3E**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	12	5.795E-02					1	ug/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 15	< 7.244E-02					1	ug/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 5	< 2.415E-02					1	ug/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			

Outfall 041-3E
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3E**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENT RATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.021	< 1.014E-04					1	ug/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.10	< 4.829E-04					1	ug/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.010	< 4.829E-05					1	ug/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.52	< 2.511E-03					1	ug/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 1.0	< 4.829E-03					1	ug/l	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 041-3M

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. EFFLUENT**							**3. Units**		**4. Intake** *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	< 4.4	< 16.7					1	mg/l	kg/d			
b. COD	< 50	< 189.5					1	mg/l	kg/d			
c. TOC	2.3	8.7					1	mg/l	kg/d			
d. TSS	< 3.00	< 11.4					1	mg/l	kg/d			
e. Ammonia (as N)	< 0.20	< 0.8					1	mg/l	kg/d			
f. Flow	Value 1.0013		Value		Value		1	MGD				
g. Temperature *(winter)*	Value		Value		Value			°C				
h. Temperature *(summer)*	Value 20.1 (7/10/2014)		Value		Value		1	°C				
I. pH	Minimum 8.16	Maximum 8.16	Minimum	Maximum			1	Standard Units				

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 041-3M

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 2.5	< 9.475E+00					1	mg/l	kg/d			
b. Chlorine, TR		x	0.02	7.580E-02					1	mg/l	kg/d			
c. Color	x		10.0						1	CU				
d. Fecal Coliform	x		680						1	col/100ml				
e. Flouride (16984-48-8)	x		0.97	3.676E+00					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		0.90	3.411E+00					1	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 1.0	< 3.790E+00					1	mg/l	kg/d			
h. Oil and Grease		x	< 5.0	< 1.895E+01					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)		x	< 0.10	< 3.790E-01					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		33.2	1.258E+02					1	mg/l	kg/d			
l. Sulfide (S)		x	< 0.16	< 6.064E-01					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 5.0	< 1.895E+01					1	mg/l	kg/d			
n. Surfactants		x	< 0.12	< 4.548E-01					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		507	1.921E+00					1	ug/l	kg/d			
p. Barium (7440-39-3)	x		89.2	3.381E-01					1	ug/l	kg/d			
q. Boron (7440-42-8)	x		20.1	7.618E-02					1	ug/l	kg/d			
r. Cobalt (7440-48-4)		x	0.31	1.175E-03					1	ug/l	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 041-3M

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		563	2.134E+00					1	ug/l	kg/d			
t. Magnesium, total (7439-96-4)	x		28,600	1.084E+02					1	ug/l	kg/d			
u. Molybdenum, total (7439-98-7)	x		0.97	3.676E-03					1	ug/l	kg/d			
v. Manganese, total (7439-96-5)	x		23.7	8.982E-02					1	ug/l	kg/d			
w.Tin, total (7440-31-5)		x	< 2.9	< 1.099E-02					1	ug/l	kg/d			
x. Titanium, total (7440-32-6)		x	7.7	2.918E-02					1	ug/l	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3M**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.34	< 1.289E-03					1	ug/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.78	< 2.956E-03					1	ug/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.045	< 1.705E-04					1	ug/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.23	< 8.717E-04					1	ug/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	0.76	2.880E-03					1	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x		x	1.6	6.064E-03					1	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	1.1	4.169E-03					1	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.060	< 2.274E-04					1	ug/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.65	< 2.463E-03					1	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.50	< 1.895E-03					1	ug/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.11	< 4.169E-04					1	ug/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.15	< 5.685E-04					1	ug/L	kg/d			
13M, Zinc, total (7440-66-6)	x		x	4.7	1.781E-02					1	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.010	< 3.790E-02					1	mg/L	kg/d			
15M, Phenol, total	x		x	< 0.040	< 1.516E-01					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 100	< 3.790E-01					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 20	< 7.580E-02					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 4	< 1.516E-02					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5	< 1.895E-02					1	ug/L	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3M**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10	< 3.790E-02					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 3	< 1.137E-02					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1	< 3.790E-03					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 30	< 1.137E-01					1	ug/l	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3M**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 61	< 2.312E-01					1	ug/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 20	< 7.580E-02					1	ug/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 30	< 1.137E-01					1	ug/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 120	< 4.548E-01					1	ug/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	93	3.525E-01					1	ug/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3M**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	10	3.790E-02					1	ug/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 30	< 1.137E-01					1	ug/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 10	< 3.790E-02					1	ug/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			

Outfall 041-3M
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3M**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.016	< 6.064E-05					1	ug/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.081	< 3.070E-04					1	ug/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.0081	< 3.070E-05					1	ug/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.40	< 1.516E-03					1	ug/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.81	< 3.070E-03					1	ug/l	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 041-3W

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. EFFLUENT**							**3. Units**		**4. Intake** *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	< 2.6	< 2.5					1	mg/l	kg/d			
b. COD	< 50	< 48.5					1	mg/l	kg/d			
c. TOC	2.2	2.1					1	mg/l	kg/d			
d. TSS	< 3.00	< 2.9					1	mg/l	kg/d			
e. Ammonia (as N)	< 0.20	< 0.2					1	mg/l	kg/d			
f. Flow	Value 0.2565		Value		Value		1	MGD				
g. Temperature *(winter)*	Value		Value		Value		1	°C				
h. Temperature *(summer)*	Value 20.8 (7/10/2014)		Value		Value		1	°C				
I. pH	Minimum 8.20	Maximum 8.20	Minimum	Maximum			1	Standard Units				

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 041-3W

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 2.5	< 2.427E+00					1	mg/l	kg/d			
b. Chlorine, TR		x	0.02	1.942E-02					1	mg/l	kg/d			
c. Color	x		20.0						1	CU				
d. Fecal Coliform	x		24						1	col/100ml				
e. Flouride (16984-48-8)		x	< 0.5	< 4.854E-01					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		0.75	7.281E-01					1	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 1.0	< 9.709E-01					1	mg/l	kg/d			
h. Oil and Grease		x	< 5.0	< 4.854E+00					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)		x	< 0.10	< 9.709E-02					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		18.6	1.806E+01					1	mg/l	kg/d			
l. Sulfide (S)		x	< 0.16	< 1.553E-01					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 5.0	< 4.854E+00					1	mg/l	kg/d			
n. Surfactants		x	< 0.12	< 1.165E-01					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		331	3.214E-01					1	ug/l	kg/d			
p. Barium (7440-39-3)	x		42.8	4.155E-02					1	ug/l	kg/d			
q. Boron (7440-42-8)	x		11.7	1.136E-02					1	ug/l	kg/d			
r. Cobalt (7440-48-4)	x		0.20	1.942E-04					1	ug/l	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 041-3W

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		412	4.000E-01					1	ug/l	kg/d			
t. Magnesium, total (7439-96-4)	x		10,400	1.010E+01					1	ug/l	kg/d			
u. Molybdenum, total (7439-98-7)	x		1.0	9.709E-04					1	ug/l	kg/d			
v. Manganese, total (7439-96-5)	x		8.7	8.447E-03					1	ug/l	kg/d			
w.Tin, total (7440-31-5)		x	13.7	1.330E-02					1	ug/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 6.0	< 5.825E-03					1	ug/l	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3W**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 0.34	< 3.301E-04					1	ug/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 0.78	< 7.573E-04					1	ug/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.045	< 4.369E-05					1	ug/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.23	< 2.233E-04					1	ug/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	0.59	5.728E-04					1	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x		x	2.5	2.427E-03					1	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	1.0	9.709E-04					1	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.060	< 5.825E-05					1	ug/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 0.65	< 6.311E-04					1	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 0.50	< 4.854E-04					1	ug/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.11	< 1.068E-04					1	ug/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 0.15	< 1.456E-04					1	ug/L	kg/d			
13M, Zinc, total (7440-66-6)	x		x	3.0	2.913E-03					1	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.010	< 9.709E-03					1	mg/L	kg/d			
15M, Phenol, total	x		x	< 0.040	< 3.883E-02					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 100	< 9.709E-02					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 20	< 1.942E-02					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 4	< 3.883E-03					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5	< 4.854E-03					1	ug/L	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3W**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10	< 9.709E-03					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 3	< 2.913E-03					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 1	< 9.709E-04					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 61	< 5.922E-02					1	ug/l	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3W**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 120	< 1.165E-01					1	ug/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 41	< 3.981E-02					1	ug/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 61	< 5.922E-02					1	ug/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 240	< 2.330E-01					1	ug/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	89	8.641E-02					1	ug/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3W**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 61	< 5.922E-02					1	ug/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 20	< 1.942E-02					1	ug/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			

Outfall 041-3W
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**041-3W**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.016	< 1.553E-05					1	ug/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.080	< 7.767E-05					1	ug/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.0080	< 7.767E-06					1	ug/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.40	< 3.883E-04					1	ug/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.80	< 7.767E-04					1	ug/l	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

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

OUTFALL NO. 044-15C

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 ofr additional details.

1. POLLUTANT AND CAS NO. *(if available)*	**2. EFFLUENT**							**3. Units**		**4. Intake** *(optional)*		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. BOD	< 2.0	< 0.1					1	mg/l	kg/d			
b. COD	< 20	< 1.1					1	mg/l	kg/d			
c. TOC	4.4	0.2					1	mg/l	kg/d			
d. TSS	3.1	0.2					1	mg/l	kg/d			
e. Ammonia (as N)	< 0.10	< 0.01					1	mg/l	kg/d			
f. Flow	Value 0.0145		Value		Value		1	MGD				
g. Temperature *(winter)*	Value 12.6 (11/21/2013)		Value		Value		1	°C				
h. Temperature *(summer)*	Value		Value		Value		1	°C				
I. pH	Minimum 7.27	Maximum 7.27	Minimum	Maximum			1	Standard Units				

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 044-15C

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		x	< 0.10	< 5.473E-03					1	mg/l	kg/d			
b. Chlorine, TR		x	0.05	2.737E-03					1	mg/l	kg/d			
c. Color	x		15						1	CU				
d. Fecal Coliform	x		54						1	col/100ml				
e. Flouride (16984-48-8)		x	0.24	1.314E-02					1	mg/l	kg/d			
f. Nitrate-Nitrite	x		0.15	8.210E-03					1	mg/l	kg/d			
g. Nitrogen, Total Organic		x	< 0.50	< 2.737E-02					1	mg/l	kg/d			
h. Oil and Grease		x	< 5.0	< 2.737E-01					1	mg/l	kg/d			
I. Phosphorus (7723-14-0)		x	< 0.050	< 2.737E-03					1	mg/l	kg/d			
j. Radioactivity														
(1) Alpha T		x	n/a											
(2) Beta T		x	n/a											
(3) Radium T		x	n/a											
(4) Radium 226 T		x	n/a											
k. Sulfate (SO4) (14808-79-8)	x		9.8	5.364E-01					1	mg/l	kg/d			
l. Sulfide (S)		x	< 1.0	< 5.473E-02					1	mg/l	kg/d			
m. Sulfite (SO3) (14265-45-3)		x	< 5.0	< 2.737E-01					1	mg/l	kg/d			
n. Surfactants		x	< 0.12	< 6.568E-03					1	mg/l	kg/d			
o. Aluminum, total (7429-90-5)	x		75.1	4.110E-03					1	ug/l	kg/d			
p. Barium (7440-39-3)	x		91.8	5.024E-03					1	ug/l	kg/d			
q. Boron (7440-42-8)		x	< 50	< 2.737E-03					1	ug/l	kg/d			
r. Cobalt (7440-48-4)		x	< 1.0	< 5.473E-05					1	ug/l	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from item 1 of Form 1)*
VA1210020730

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued)*

OUTFALL NO. 044-15C

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 expressely, 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 on table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
s. Iron T (7439-89-6)	x		130	7.115E-03					1	ug/l	kg/d			
t. Magnesium, total (7439-96-4)	x		15,600	8.538E-01					1	ug/l	kg/d			
u. Molybdenum, total (7439-98-7)		x	< 1.0	< 5.473E-05					1	ug/l	kg/d			
v. Manganese, total (7439-96-5)	x		5.0	2.737E-04					1	ug/l	kg/d			
w.Tin, total (7440-31-5)		x	< 50	< 2.737E-03					1	ug/l	kg/d			
x. Titanium, total (7440-32-6)		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**044-15C**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanide, and Total Phenols															
1M, Antimony, total (7440-36-0)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
2M, Arsenic, total (7440-38-2)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
3M, Berylium, total (7440-41-7)	x		x	< 0.10	< 5.473E-06					1	ug/L	kg/d			
4M, Cadmium, total (7440-43-9)	x		x	< 0.10	< 5.473E-06					1	ug/L	kg/d			
5M, Chromium, total (7440-47-3)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
6M, Copper, total (7440-50-8)	x	x		< 1.0	< 5.473E-05					1	ug/L	kg/d			
7M, Lead, total (7439-92-1)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
8M, Mercury, total (7439-97-6)	x		x	< 0.20	< 1.095E-05					1	ug/L	kg/d			
9M, Nickel, total (7440-02-0)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
10M, Selenium, total (7782-49-2)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
11M, Silver, total (7440-22-4)	x		x	< 0.10	< 5.473E-06					1	ug/L	kg/d			
12M, Thallium, total (7440-28-0)	x		x	< 1.0	< 5.473E-05					1	ug/L	kg/d			
13M, Zinc, total (7440-66-6)	x		x	< 5.0	< 2.737E-04					1	ug/L	kg/d			
14M, Cyanide, total (57-12-5)	x		x	< 0.010	< 5.473E-04					1	mg/L	kg/d			
15M, Phenol, total	x		x	0.0087	4.762E-04					1	mg/L	kg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (1764-01-6)			x	DESCRIBE RESULTS n/a											
GC/MS Fraction - Volatile Compounds															
1V. Acrolein (107-02-8)	x		x	< 100	< 5.473E-03					1	ug/L	kg/d			
2V. Acrylonitrile (107-13-1)	x		x	< 20	< 1.095E-03					1	ug/L	kg/d			
3V. Benzene (71-43-2)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
4V. Bis *(chloromethyl)* Ether (542-88-1)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
5V. Bromoform (75-25-2)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
6V. Carbon Tetrachloride (56-23-5)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
7V. Chlorobenzene (108-90-7)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
8V. Chlorobromomethane (124-48-1)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**044-15C**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
9V. Chloroethane (75-00-3)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)	x		x	< 10	< 5.473E-04					1	ug/L	kg/d			
11V. Chloroform (67-66-3)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
12V. Dichlorobromomethane (75-27-4)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
13V. Dichlorodifluoromethane (75-71-8)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
14V. 1,1-Dichloroethane (75-34-3)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
15V. 1,2-Dichloroethane (107-06-2)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
16V. 1,1-Dichloroethylene (75-35-4)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
17V. 1,2-Dichloropropane (75-87-5)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
19V. Ethylbenzene (100-41-4)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
20V. Methyl Bromide (74-83-9)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
21V. Methyl Chloride (74-87-3)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
22V. Methylene Chloride (75-09-2)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
23V. 1,1,2,2-Tetra-chloroethane (79-34-5)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
24V. Tetra-chloroethylene (127-18-4)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
25V. Toluene (108-88-3)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
26V. 1,2-Trans Dichloroethylene (156-60-5)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
27V. 1,1,1-Tri-chloroethane (71-55-6)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
28V. 1,1,2-Tri-chloroethane (79-08-5)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
29V. Tri-chloroethylene (79-01-6)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
30V. Trichloro-fluoromethane (75-69-4)	x			DELISTED 02-4-81 ANALYSIS NOT REQUIRED FOR THIS											
31V. Vinyl Chloride (75-01-4)	x		x	< 5	< 2.737E-04					1	ug/L	kg/d			
GC/MS Fraction - Acid CompoundS															
1A. 2-Chlorophenol (95-60-8)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
2A. 2,4-Dichlorophenol (120-83-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
3A. 2,4-Dimethylphenol (105-67-9)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	x		x	< 20.0	< 1.095E-03					1	ug/l	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**044-15C**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENT RATION	b. MASS	a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
5A. 2,4-Dinitrophenol (51-28-5)	x		x	< 50.0	< 2.737E-03					1	ug/l	kg/d			
6A. 2-Nitrophenol (88-75-5)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
7A. 4-Nitrophenol (100-02-7)	x		x	< 50.0	< 2.737E-03					1	ug/l	kg/d			
8A. P-Chloro-M-Cresol (59-50-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
9A. Penta-chlorophenol (87-86-5)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
10A. Phenol (108-95-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
11A. 2,4,6-Tri-chlorophenol (88-06-2)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
GC/MS Fraction - Base/neutral Commpounds															
1B. Acenaphthene (83-32-9)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
2B. Acenaphtylene (208-96-8)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
3B. Anthracene (120-12-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
4B. Benzidine (92-87-5)	x		x	< 50.0	< 2.737E-03					1	ug/l	kg/d			
5B. Benzo *(a)* Anthracene (56-55-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
6B. Benzo *(a)* Pyrene (50-32-8)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
7B. 3,4-Benzo fluoranthene (205-99-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
11B. Bis *(2-Chloro-ethoxy)* ether (111-44-4)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
12B. Bis *(2-Chloroisopropyl)* ether (102-50-1)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
13b.Bis *(2-Ethylhexyl)* Phthalate (117-81-7)	x		x	10.1	5.528E-04					1	ug/l	kg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
15B. Butyl Benzyl Phthalate (85-68-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
16B. 2-Chloro-naphthalene (91-58-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
18B. Chrysene (218-01-9)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
20B. 1,2-Dichlorobenzene (995-50-1)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
21B. 1,3-Dichlorobenzene (541-73-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
22B. 1,4-Dichlorobenzene (106-46-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**044-15C**

2C Part C	2. Mark 'x'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
23B. 3,3'-Di-chlorobenzidine (91-94-1)	x		x	< 25.0	< 1.368E-03					1	ug/l	kg/d			
24B. Diethyl Phthalate (84-66-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
25B. Dimethyl Phthalate (131-11-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
26B. Di-N-Butyl Phthalate (84-74-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
27B. 2,4-Dinitrotoluene (121-14-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
28B. 2,6-Dinitrotoluene (606-20-2)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
29B. Di-N-Octyl Phthalate (117-84-0)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
30B. 1,2-Di-phenyl-hydrazine *(as Azo-benzene)* (122-66-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
31B. Fluoranthene (206-44-0)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
32B. Fluorene (86-73-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
33B. Hexa-chlorobenzene (118-74-1)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
34B. Hexa-chlorobutadiene (87-68-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
35B. Hexa-chlorocyclopentadiene (77-47-4)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
36B. Hexa-chloroethane (67-72-1)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
38B. Isophorone (78-59-1)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
39B. Naphthalene (91-20-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
40B. Nitrobenzene (98-95-3)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
41B. N-Nitro-sodimethylamine (62-75-9)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
42B. N-Nitro-sodi-N-Propylamine (621-64-7)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
43b. N-Nitro-sodiphenylamine (86-30-6)	x		x	< 10.0	< 5.473E-04					1	ug/l	kg/d			
44B. Phenanthrene (85-01-8)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
45B. Pyrene (129-00-0)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
46B. 1,2,4-Tri-chlorobenzene (120-82-1)	x		x	< 5.0	< 2.737E-04					1	ug/l	kg/d			
GC/MS Fraction - Pesticides															
1P. Aldrin (309-00-2)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
2P. a-BHC (319-84-6)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
3P. b-BHC (319-85-7)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
4P. g-BHC (58-59-9)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			

Outfall 044-15C
2C

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*	Outfall Number
VA1210020730	**044-15C**

2C Part C	**2. Mark 'x'**			**3. EFFLUENT**							**4. UNITS**		**5. INTAKE** *(optional)*		
T = total				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		C. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES			a. LONG TERM AVERGE VALUE		b. NO. OF ANALYSES
1. POLLUTANT AND CAS NUMBER *(if available)*	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
5P. d-BHC (319-86-8)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
6P. Chlordane (57-74-9)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
7P. 4-4'-DDT (50-29-3)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
8P. 4,4'-DDE (72-55-9)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
9P. 4,4'-DDD (72-54-8)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
10P Dieldrin (60-57-1)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
11P.*a*- Endosulfan (115-29-7)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
12P. *B*- Endosulfan (115-29-7)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
13P. Endosulfin Sulfate (1031-07-8)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
14P. Endrin (72-20-8)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
15P. Endrin Aldehyde (7421-93-4)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
16P. Heptachlor (76-44-8)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
17P. Heptachlor Epoxide (1024-57-3)	x		x	< 0.050	< 2.737E-06					1	ug/l	kg/d			
18P. PCB-1242 (53469-21-9)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
19P. PCB-1254 (11087-69-1)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
20P. PCB-1221 (11104-28-2)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
21P. PCB-1232 (11141-16-5)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
22P. PCB-1248 (12672-29-6)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
23P. PCB-1260 (11098-82-5)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
24P. PCB-1016 (12674-11-2)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			
25P. Toxaphene (8001-35-2)	x		x	< 0.50	< 2.737E-05					1	ug/l	kg/d			

Please print or type in the unshaded areas only.

EPA ID Number (*copy from Item 1 of Form 1*)
VA121002073

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

FORM
2F
NPDES

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*)
004 (401)	37	11	0	80	33	30	New River
005	37	11	15	80	33	30	Stroubles Creek
006	37	11	30	80	32	15	New River
007 (process)	37	11	30	80	31	45	New River
012	37	11	0	80	31	45	Stroubles Creek (branch of)
014	37	11	15	80	31	45	New River
017	37	11	30	80	31	15	New River
026 (process)	37	11	30	80	31	45	New River
029 (process)	37	11	30	80	32	0	New River
041,044,050,054							See Attachment

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.
004					
NONE					
006					
007					
014					

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)*
004	57.3 acres	194.6 acres	017	5.9 acres	59.7
401	2.3 acres	7.2 acres	007,026	process outfalls, infiltration only	
005	27.3 acres	74.1 acres	029	process outfall, infiltration only	
006	25.0 acres	79.8 acres	Others	See attachment for remaining Drainage areas	
012	1.4 acres	6.4 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.

Significant operations and materials include propellant manufacturing. All manufacturing and materials handling operations are conducted indoors. Materials transfer is accomplished adjacent to buildings and transport is in covered container or vehicle. Pesticides are hand applied throughout the year in limited areas only (ie. around buildings and burrows). Herbicides are hand and tractor applied between the months of March and November each year.
Outfall 017 - burned propellant residue; Outfall 044 - Propellant ballistics testing and the resulting residue; Outfall 050 -This outfall includes one active landfill (SWP 433) and one closed landfill (SWP 353). The closed Industrial Waste Landfill in drainage area 12A was permitted to receive Fly Ash, Calcium Sulfate Sludge, and sludge from water treatment plants. The DEQ approved the closure by letter dated April 1, 2009 indicating that the post closure care period started on March 24, 2009. The active Construction Demolition Debris Landfill (SWP 433) in drainage area 11A is permitted to receive construction waste demolition waste, wood, tree trimmings, stumps, and inert waste material. Runoff from the closed Industrial Landfill collects in a settling basin which overflows into drainage area 12A. Outfall 054 - heavy equipment storage.

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
401	coal pile runoff is neutralized and solids are settled out and returned to the coal pile	2-K, 1-U
12A	settling basin (landfill)	1-U
005	settling basins	1-U
017	settling basin	1-U
11A	settling basin	1-U
007,026	Process outfalls - see 2C forms for treatment	
029	Process outfall - see 2C forms for treatment	

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
L.A. Ortiz (LTC) & W.M. Barnett (GM)		18 November 2014

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.

Quarterly storm water inspections are conducted by all operating areas of the plant. The discharge of process water only to process sewers is covered in these inspections. Ongoing reporting of flow in storm water ditches is part of the plant water break identification and repair procedure and is the responsibility of all plant employees. Due to dry weather flow in Outfall drainage areas 15C, 3M, 3E, and 3W form 2Cs were prepared for these outfalls. The flow in these outfalls is believed to be a combination of water breaks and springs. Minimal flow (a trickle) was also noted from drainage area 5H. The flow originates from a known water break and was too small for 2C sampling - no form prepared. Water breaks with known sources are entered in our maintenance system for repair. The only other outfalls with flow are those with known spring contributions.

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.

7-1-2012 Approximately 7,500 gallons of Oleum was spilled from a storage tank in the NC Nitration area. In this area stormwater drains to Outfall 005.

10-15-2012 Approximately 80 gallons of Ethyl Ether was spilled from a pipeline in the Solvent Stills tank storage area. In this area stormwater drains to Outfall 005.

1-16-2013 Approximately 1300 gallons of nitrating acid (consisting of 54% nitric acid, 34% sulfuric acid, and the remainder water)was spilled from a transfer line in the NC Nitration acied storage area. In this area stormwater drains to Outfall 005.

 Continue on Page 3

Continued from Page 2

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

Antimony	Butyl acetate	Chlorine
Arsenic	Cyclohexane	Nitrate
Copper	Ethylene diamine	Oil and Grease
Lead	Formaldehyde	Phosphorus
Zinc	Monomethyl amine	Sulfate
Chlorodibromomethane	Nitrotoluene	Aluminum
Chloroform (lab)	Pyrethrins	
1,2-Dichloroethane (lab)	Resorcinol	
1,1,2,2-Tetrachloroethane	Triethylamine	
Methylene Chloride (lab)	Xylene	
Toluene	Zirconium	
2,4-Dinitrophenol (lab)		
Butyl Benzyl Phthalate		
Diethyl Phthalate		

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)*

Quarterly and annual acute and chronic toxicity testing is conducted on some process discharges as required by the existing VPDES permit. All information has been provided to the DEQ as per permit requirements.

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
REI Consultants, Inc.	PO Box 286 Beaver, WV 25813	TEL: 304.255.2500 Website: www.reiclabs.com	BOD5, Color, Fecal Coliform
Pace Analytical Services, Inc.	205 East Meadow Road - Suite A Eden, NC 27288	(336)623-8921	All 2F parameters except explosives and fecal coliform
Eurofins Lancaster Laboratories Environmental	2425 New Holland Pike Lancaster, PA 17601	717-656-2681	explosives
DRAPER ADEN	2206 S MAIN ST BLACKSBURG, VA 24060	540-552-0444	Field testing - pH, temperature, TRC

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.
Luis A. Ortiz (LTC, US Army) & William Barnett (GM)	(540) 639-7631
C. Signature	D. Date Signed
	18 November 2014

EPA ID Number (copy from Item I of Form 1) VA1210020730	

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.	
004	37	11'	0"	80	33'	30"	New River
401	37	11'	0"	80	33'	15"	outfall 004
005	37	11'	15"	80	33'	30"	New River
006	37	11'	30"	80	32'	15"	New River
012	37	11'	0"	80	31'	45"	Stroubles Creek (branch of)
017	37	11'	30"	80	31'	15"	New River
024	37	11'	30"	80	34'	45"	New River
041 (all others, **3L**)		see attachment					
044 (5Z, **15C**)		see attachment					
050 (11A, **12A**)		see attachment					
054 (**16A**)		see attachment					

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.	
1A	37	10'	45"	80	33'	45"	New River
1B	37	10'	45"	80	33'	45"	New River
1C	37	10'	45"	80	33'	45"	New River
1D	37	11'	30"	80	31'	00"	New River
1E	37	11'	45"	80	31'	00"	New River
1F	37	11'	45"	80	31'	00"	New River
1G	37	11'	45"	80	31'	00"	New River
1H	37	11'	45"	80	31'	00"	New River
1I	37	11'	45"	80	31'	00"	New River
1J	37	11'	45"	80	31'	00"	New River
1K	37	11'	30"	80	31'	15"	New River
1L	37	10'	45"	80	33'	45"	New River
2A	37	11'	00"	80	33'	30"	New River
3A	37	11'	00"	80	33'	30"	New River
3B	37	11'	00"	80	33'	30"	New River
3C	37	11'	00"	80	33'	30"	New River
3D	37	11'	00"	80	33'	30"	New River
3E	37	11'	15"	80	33'	30"	New River
3F	37	11'	30"	80	31'	15"	New River
3G	37	11'	15"	80	33'	30"	New River
3H	37	11'	30"	80	32'	15"	New River
3I	37	11'	30"	80	32'	45"	New River
3J	37	11'	30"	80	32'	45"	New River
3K	37	11'	30"	80	32	30"	New River
3L (outfall 041)	37	11'	30"	80	32'	30"	New River
3M	37	11'	15"	80	31'	45"	Stoubles Creek

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.	
3N	37	11'	15"	80	31'	45"	Stoubles Creek
3O	37	11'	15"	80	31'	45"	Stoubles Creek
3P	37	11'	30"	80	31'	45"	Stoubles Creek
3Q	37	11'	30"	80	31'	45"	Stoubles Creek
3R	37	11'	30"	80	31'	30"	New River
3S	37	11'	15"	80	31'	45"	Stoubles Creek
3T	37	11'	15"	80	31'	45"	Stoubles Creek
3U	37	11'	00"	80	31'	45"	Stoubles Creek
3V							not active
3W	37	11'	15"	80	31'	45"	Stoubles Creek
3X	37	11'	15"	80	31'	45"	Stoubles Creek
3Y	37	11'	15"	80	31'	45"	Stoubles Creek
3Z	37	11'	00"	80	31'	45"	Stoubles Creek
5A	37	11'	30"	80	33'	30"	New River
5B	37	11'	15"	80	33'	15"	New River
5C	37	11'	15"	80	33'	15"	New River
5D	37	11'	15"	80	33'	15"	New River
5E	37	11'	15"	80	33'	15"	New River
5F	37	11'	15"	80	33'	15"	New River
5G	37	11'	15"	80	33'	15"	New River
5H	37	11'	15"	80	33'	15"	New River
5I	37	11'	15"	80	33'	15"	New River
5J	37	11'	15"	80	33'	15"	New River
5K	37	12'	00"	80	33'	15"	New River
5L	37	12'	00"	80	33'	15"	New River
5M	37	12'	00"	80	33'	30"	New River
5N	37	11'	45"	80	33'	30"	New River
5O	37	11'	45"	80	33'	45"	New River
5P	37	11'	45"	80	33'	45"	New River
5Q	37	11'	45"	80	33'	45"	New River
5R	37	11'	45"	80	34'	00"	New River
5S	37	11'	45"	80	34'	00"	New River
5T	37	11'	45"	80	34'	00"	New River
5U	37	11'	30"	80	34'	00"	New River
5V	37	11'	30"	80	34'	15"	New River
5W	37	11'	30"	80	34'	15"	New River
5X	37	11'	30"	80	34'	30"	New River
5Y	37	11'	15"	80	34'	30"	New River
5Z (outfall 044)	37	11'	15"	80	34'	30"	New River
5AA	37	11'	15"	80	34'	30"	New River
5BB	37	11'	15"	80	34'	45"	New River
5CC	37	11'	15"	80	34'	45"	New River
5DD	37	11'	30"	80	34'	00"	New River

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.	
5EE	37	11'	30"	80	33'	00"	New River
5FF	37	11'	30"	80	33'	00"	New River
5GG	37	11'	30"	80	33'	00"	New River
5HH	37	11'	45"	80	32'	45"	New River
5II	37	11'	45"	80	32'	45"	New River
5JJ	37	11'	45"	80	32'	30"	New River
5KK	37	11'	45"	80	32'	30"	New River
5LL	37	11'	45"	80	32'	30"	New River
5MM	37	11'	45"	80	32'	30"	New River
6A	37	11'	45"	80	34'	00"	New River
7A	37	11'	00"	80	33'	45"	New River
7B	37	11'	00"	80	33'	45"	New River
7C	37	11'	00"	80	33'	45"	New River
7D-7F							These numbers not used
7G	37	11'	15"	80	33'	30"	New River
8A	37	11'	00"	80	31'	45"	Stoubles Creek
8B	37	11'	00"	80	31'	45"	Stoubles Creek
8C	37	11'	00"	80	31'	45"	Stoubles Creek
9A - 9C							These numbers not used
9D	37	12'	00"	80	31'	00"	New River
9E	37	12'	00"	80	31'	00"	New River
9F	37	12'	15"	80	31'	15"	New River
9G	37	12'	15"	80	31'	15"	New River
9H							This number not used
9I	37	12'	15"	80	31'	30"	New River
9J	37	12'	15"	80	31'	45"	New River
9K	37	12'	15"	80	31'	45"	New River
9L	37	12'	15"	80	32'	00"	New River
9M	37	12'	15"	80	32'	00"	New River
9N	37	12'	15"	80	32'	15"	New River
9O	37	12'	15"	80	32'	15"	New River
9P	37	12'	00"	80	32'	30"	New River
9Q	37	12'	00"	80	32'	45"	New River
9R	37	12'	00"	80	32'	45"	New River
9AA	37	06'	45"	80	37'	45"	New River (Dublin location)
9BB	37	06'	45"	80	37'	45"	New River (Dublin location)
9CC	37	05'	15"	80	38'	15"	New River (Dublin location)
9DD	37	05'	30"	80	39'	45"	New River (Dublin location)
9EE	37	05'	30"	80	40'	00"	New River (Dublin location)
9FF	37	05'	30"	80	40'	00"	New River (Dublin location)
9GG	37	07'	15"	80	38'	45"	New River (Dublin location)
10A	37	11'	30"	80	32'	15"	New River
10B	37	11'	30"	80	32'	15"	New River

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.	
10C	37	11'	30"	80	32'	15"	New River
10D	37	11'	30"	80	32'	15"	New River
10E	37	11'	30"	80	32'	15"	New River
10F	37	11'	30"	80	32'	00"	New River
11A (outfall 050)	37	11'	45"	80	31'	00"	New River
12A (outfall 050)	37	11'	45"	80	31'	00"	New River
12B	37	11'	30"	80	31'	45"	New River
12C	37	11'	30"	80	31'	15"	New River
13A	37	12'	00"	80	33'	00"	New River
15A (outfall 044)	37	11'	30"	80	31'	15"	New River
15B	37	11'	30"	80	31'	30"	New River
15C (outfall 044)	37	11'	30"	80	31'	30"	New River
15D	37	11'	30"	80	31'	30"	New River
16A (outfall 054)	37	11'	15"	80	33'	15"	New River
17A	37	12'	00"	80	32'	45"	New River
18A	37	11'	30"	80	31'	45"	New River
18B	37	11'	30"	80	31'	45"	New River
18C	37	11'	30"	80	31'	45"	New River

EPA ID Number (copy from Item I of Form 1)
VA1210020730

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)
1A	0.2 acres	3.1 acres	5CC	4.7 acres	20.1 acres
1B	9.1 acres	64.5 acres	5DD	1.5 acres	4.2 acres
1C	0.5 acres	3.3 acres	5EE	0.1 acres	0.9 acres
1D	1.5 acres	39 acres	5FF	0.0 acres	0.5 acres
1E	6.3 acres	22.9 acres	5GG	2.3 acres	8.2 acres
1F	0.4 acres	1.6 acres	5HH	0.3 acres	1.1 acres
1G	0.6 acres	1.0 acres	5II	0.3 acres	3.6 acres
1H	20.2 acres	8.0 acres	5JJ	0.3 acres	1.0 acres
1I	0.03 acres	0.1 acres	5KK	0.2 acres	1.9 acres
1J	3.9 acres	14.5 acres	5LL	0.2 acres	0.5 acres
1K	2.1 acres	6.3 acres	5MM	0.2 acres	0.7 acres
1L	0.8 acres	6.7 acres	6A	5.4 acres	26.7 acres
2A	33.7 acres	188.4 acres	7A	0.1 acres	0.9 acres
3A	1.6 acres	2.1 acres	7B	0.3 acres	1.5 acres
3B	0.2 acres	0.5 acres	7C	0.1 acres	1.6 acres
3D	3.0 acres	10.5 acres	7D-7F	numbers not used	
3E	48.5 acres	142 acres	7G	2.2 acres	23.4 acres
3F	0.1 acres	0.1 acres	**8A**	**17.5 acres**	**207.2 acres**
3G	0.4 acres	0.6 acres	8B	1.3 acres	2.4 acres
3H	0.2 acres	2.4 acres	8C	0.2 acres	0.8 acres
3I	23.3 acres	108.4 acres	9A - 9C	numbers not used	
3J	0.5 acres	0.7 acres	9D	0.7 acres	6.1 acres
3K	1.6 acres	3.8 acres	9E	0.1 acres	0.6 acres
3L	**3.9 acres**	**12.6 acres**	9F	0.7 acres	9.9 acres
3M	24.6 acres	71.1 acres	9G	1.0 acres	7.5 acres
3N	0.6 acres	2.9 acres	9H	number not used	
3O	0.7 acres	0.9 acres	9I	1.9 acres	17.5 acres
3P	0.7 acres	3.3 acres	9J	0.2 acres	4.8 acres
3Q	0.5 acres	0.9 acres	9K	0.2 acres	3.7 acres
3R	0.2 acres	0.2 acres	9L	42.9 acres	0.8 acres
3S	1.8 acres	4.8 acres	9M	0.5 acres	0.7 acres
3T	32.8 acres	116.3 acres	9N	0.2 acres	0.2 acres
3U	1.0 acres	15.3 acres	9O	14.4 acres	166.5 acres
3V	no outfall		9P	0.1 acres	0.2 acres
3W	17.1 acres	61.8 acres	5Q	2.7 acres	5.6 acres
3X	3.0 acres	5.7 acres	9Q	1.3 acres	14.8 acres
3Y	0.3 acres	1.5 acres	9R	0.1 acres	1.6 acres
3Z	1.9 acres	11.8 acres	9AA	35 acres	1170 acres
5A	0.4 acres	3.9 acres	9BB	20 acres	540 acres
5B	0.3 acres	0.6 acres	9CC	15 acres	426 acres
5C	0.9 acres	3.5 acres	9DD	0.3 acres	5.2 acres
5D	0.1 acres	0.3 acres	9EE	0.7 acres	2.1 acres
5E	0.5 acres	2.0 acres	9FF	0.4 acres	3.1 acres
5F	0.2 acres	0.5 acres	9GG	1 acres	38.8 acres
5G	0.5 acres	1.0 acres	10A	1 acres	3.5 acres

EPA ID Number (copy from Item I of Form 1)
VA1210020730

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)
5H	1.6 acres	6.4 acres	10B	3.1 acres	10 acres
5I	0.7 acres	1.1 acres	10C	0.1 acres	0.3 acres
5J	2.5 acres	13.8 acres	10D	0.8 acres	2 acres
5K	0.1 acres	0.3 acres	10E	1.4 acres	1.8 acres
5L	5.0 acres	34.4 acres	10F	6.7 acres	46.1 acres
5M	4.9 acres	0.3 acres	**11A(050)**	**6.8 acres**	**100.6 acres**
5N	9.4 acres	34.4 acres	**12A(050)**	**1.8 acres**	**45.8 acres**
5O	0.4 acres	23.9 acres	12B	0.1 acres	2.9 acres
5P	3.2 acres	6.0 acres	12C	0.3 acres	3.1 acres
5R	1.2 acres	2.2 acres	13A	15.3 acres	100.1 acres
5S	3.3 acres	11.3 acres	15A (044)	1.3acres	18.8 acres
5T	1.0 acres	2.1 acres	15B	0.3 acres	2.4 acres
5U	0.1 acres	0.5 acres	**15C(044)**	**5.3 acres**	**59.0 acres**
5V	7.5 acres	32.7 acres	15D	1.9 acres	27.5 acres
5W	0.2 acres	2.8 acres	**16A(054)**	**9.9 acres**	**26.5 acres**
5X	2.3 acres	10.5 acres	17A	2.3 acres	14.8 acres
5Y	0.2 acres	1.9 acres	18A	0.1 acres	0.4 acres
5Z (044)	**21.1 acres**	**107.5 acres**	18B	0.1 acres	0.2 acres
5AA	11.4 acres	102.5 acres	18C	0.1 acres	0.7 acres
5BB	0.4 acres	10.4 acres			

*Note - Outfall 041 unless noted otherwise

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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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5.0	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	<2	<2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<20	<20	N/A	N/A	1	
Total Suspended Solids (TSS)	3.7	51.5	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.50	<0.50	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.75	0.76	N/A	N/A	1	
Total Phosphorus (7723-14-0)	<0.050	<0.05	N/A	N/A	1	
pH	7.27	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	1970 mg/L	2090 mg/L	N/A	N/A	1	drains area near inactive Oleum plant
Temperature	19.8°C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.04 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	<1.0	<1.0	N/A	N/A	1	
Tot. Copper (7440-50-8)	3	3.4	N/A	N/A	1	
Tot. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Tot. Nickel (7440-02-0)	3.3	4.7	N/A	N/A	1	
Tot. Zinc (7440-66-6)	10.5	14.3	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	

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4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	

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Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	2.7	3.1	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	9	14.4	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2.0	<2.0	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	25.0	15.0	N/A	N/A	1	
Fecal Coliform	>6000 col/100mL	N/A	N/A	N/A	1	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	121	55.5	N/A	N/A	1	

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Form 2-F

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)
9/21/2013	2045	0.64 inches	223	260.86 gpm	53,774.8 gallons

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

Flow was measured with a portable ISCO 6712 Bubble Flow Meter and sampler unit used in conjunction with an ISCO 750 Tipping Rain Gauge.

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Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	<2	<2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<20	<20	N/A	N/A	1	
Total Suspended Solids (TSS)	6.4	4.7	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.5	<0.5	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.95	0.95	N/A	N/A	1	
Total Phosphorus (7723-14-0)	0.058	0.05	N/A	N/A	1	
pH	7.87	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	21.9 mg/L	15.6 mg/L	N/A	N/A	1	
Temperature	18.9°C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.04 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2	<2	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	5.2	3.2	N/A	N/A	1	
Tot. Copper (7440-50-8)	2.2	2.8	N/A	N/A	1	
Tot. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Tot. Nickel (7440-02-0)	2.0	1.3	N/A	N/A	1	
Tot. Zinc (7440-66-6)	9.9	8.1	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	

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4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	

Outfall 005
Form 2-F

Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	1.6	2.2	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	5.8	10.1	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2	<2	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25	<25	N/A	N/A	1	
Fecal Coliform	140 col/100mL	N/A	N/A	N/A	1	
Total Aluminum (7429-90-5)	527	471	N/A	N/A	1	cooling water and/or water leaks - poly aluminum chloride used in water treatment

Outfall 005
Form 2-F

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)
7/31/2013	645	0.52	87	3,275 gpm	2,350,130 gallons

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

Flow measurement data was collected via a dedicated ISCO Model 4210 ultrasonic flow meter in conjunction with a dedicated rectangular weir. Grab samples were manually collected within 60 minutes of 0.10 inches of rainfall using a dedicated stainless steel sample container.

Outfall 006
Form 2-F

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. Units in mg/L.

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	<2	<2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<20	44.3	N/A	N/A	1	
Total Suspended Solids (TSS)	22.3	7.5	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.50	<0.50	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.84	0.69	N/A	N/A	1	
Total Phosphorus (7723-14-0)	0.07	0.05	N/A	N/A	1	
pH	7.92	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	5.3 mg/L	5.2 mg/L	N/A	N/A	1	
Temperature	19.2 C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.05 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	7.4	<1.0	N/A	N/A	1	
Tot. Copper (7440-50-8)	23	3.8	N/A	N/A	1	
Tot. Lead (7439-92-1)	30.2	1.4	N/A	N/A	1	
Tot. Nickel (7440-02-0)	5	<1.0	N/A	N/A	1	
Tot. Zinc (7440-66-6)	102	7.4	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	

Outfall 006
Form 2-F

4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	

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Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	3	2.7	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	8.1	5.3	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2.0	<2.0	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25	<25	N/A	N/A	1	
Fecal Coliform	80 col/100mL	N/A	N/A	N/A	1	
Total Aluminum (7429-90-5)	1800	410	N/A	N/A	1	cooling water outfall - poly aluminum chloride used in water treatment

Outfall 006
Form 2-F

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)
7/31/2013	1,247	0.59	87	14.53 MGD	14.17 MGAL

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

Flow measurement data was collected via a dedicated ISCO Model 4210 ultrasonic flow meter in conjunction with a dedicated 2-foot Parshall flume. Grab samples were collected manually using a dedicated stainless steel sample container.

Outfall 007
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	6.2	5	N/A	N/A	1	
Chemical Oxygen Demand (COD)	37	55.5	N/A	N/A	1	
Total Suspended Solids (TSS)	7.1	9.1	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.5	<0.5	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	357	372	N/A	N/A	1	process outfall - acidic (nitric acid) wastewater treatment
Total Phosphorus (7723-14-0)	<0.050	<0.050	N/A	N/A	1	
pH	7.3	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	427 mg/L	408 mg/L	N/A	N/A	1	process outfall - acidic (sulfuric acid) wastewater treatment
Temperature	28.5°C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.05 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	0.044 mg/L	N/A	N/A	N/A	1	process outfall - possible breakdown product
Tot. Chromium (7440-47-3)	3.7	4.8	N/A	N/A	1	
Tot. Copper (7440-50-8)	3.3	4.1	N/A	N/A	1	
Tot. Lead (7439-92-1)	<1.0	1.1	N/A	N/A	1	
Tot. Nickel (7440-02-0)	8.7	9	N/A	N/A	1	
Tot. Zinc (7440-66-6)	<5.0	11.1	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	

Outfall 007
Form 2-F

2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pyrene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (78-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	

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1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	2	2.5	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	<5.0	9.7	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2	<2	N/A	N/A	1	
RDX	<1.9	<0.8	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25	5.0	N/A	N/A	3	
Fecal Coliform	<1 col/100mL	N/A	N/A	N/A	3	
Total Aluminum (7429-90-5)	554.0	634.0	N/A	N/A	3	process outfall - Poly aluminum chloride used in water treatment

Outfall 007
Form 2-F

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)
12/6/2013	960 minutes	0.81 inches	247 hours	43,382 gpm	3,807,480 gallons

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

Flow measurements were made with a dedicated ISCO 4230 Bubble Flow Meter used in conjunction with an ISCO Model 750 tipping rain gauge and an ISCO 6712 Portable Sampler.

Outfall 012
Form 2-F

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. Units in mg/L.

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	<2	<2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<20	<20	N/A	N/A	1	
Total Suspended Solids (TSS)	<3.00	11.4	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.50	<0.50	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.60	0.68	N/A	N/A	1	
Total Phosphorus (7723-14-0)	<0.050	<0.05	N/A	N/A	1	
pH	7.05	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	22.6 mg/L	24.9 mg/L	N/A	N/A	1	drains inactive TNT production area
Temperature	9.8	N/A	N/A	N/A	1	
Total Residual Chlorine	0.00 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<2.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	5.1	1.8	N/A	N/A	1	
Tot. Copper (7440-50-8)	<1.0	1.6	N/A	N/A	1	
Tot. Lead (7439-92-1)	<1.0	1.4	N/A	N/A	1	
Tot. Nickel (7440-02-0)	1.3	<1.0	N/A	N/A	1	
Tot. Zinc (7440-66-6)	<5.0	6.1	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	61.7	N/A	N/A	1	unknown source - possible sample tubing contamination
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	

Outfall 012
Form 2-F

4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<2.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<2.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<2.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<2.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<2.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<2.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<2.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<2.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<2.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<2.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<2.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<2.0	N/A	N/A	N/A	1	

Outfall 012
Form 2-F

Carbon tetrachloride (56-23-5)	<2.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<2.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<2.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<2.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<2.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<2.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<2.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<2.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<2.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<2.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	<1.0	<1.0	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	<5.0	<5.0	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	9.1	1.7	N/A	N/A	1	drains inactive TNT production area
2-Amino-4,6-Dinitrotoluene	9.3	6.5	N/A	N/A	1	drains inactive TNT production area
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	14	11	N/A	N/A	1	drains inactive TNT production area
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2.0	<2.0	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<5	15.0	N/A	N/A	1	
Fecal Coliform	>6000 col/100mL	N/A	N/A	N/A	1	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	11.7	117	N/A	N/A	1	

Outfall 012
Form 2-F

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)
11/26/2013	1,250	1.94 in	168	10.40 gpm	6,715.6 gallons
Make-up event					
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)
4/5/2014	198	0.34 inches	76	0.562 gpm	485.5 gal

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

Flow measurement data was collected via a dedicated ISCO Model 6712 Bubble Flow Meter in conjunction with an Avalanche sampler via a dedicated rectangular weir without end contractions. Grab samples were collected manually using a dedicated stainless steel sample container.

Outfall 014
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	<2	<2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<40	<40	N/A	N/A	1	
Total Suspended Solids (TSS)	45.2	5.4	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.5	<0.5	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	1.3	1.2	N/A	N/A	1	
Total Phosphorus (7723-14-0)	<0.050	<0.050	N/A	N/A	1	
pH	6.12	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	11.5 mg/L	13.0 mg/L	N/A	N/A	1	
Temperature	19.2	N/A	N/A	N/A	1	
Total Residual Chlorine	0.01 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	4.6	1.1	N/A	N/A	1	
Tot. Copper (7440-50-8)	2.5	1	N/A	N/A	1	
Tot. Lead (7439-92-1)	2.3	<1.0	N/A	N/A	1	
Tot. Nickel (7440-02-0)	1.4	<1.0	N/A	N/A	1	
Tot. Zinc (7440-66-6)	15.6	<5.0	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	

Outfall 014
Form 2-F

4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	

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Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	<1.0	<1.0	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	7.8	8	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2	<2	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25	<25	N/A	N/A	1	
Fecal Coliform	22 col/100mL	N/A	N/A	N/A	1	
Total Aluminum (7429-90-5)	1360.0	385.0	N/A	N/A	1	probable water leaks - poly aluminum chloride is used in water treatment

Outfall 014
Form 2-F

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)
7/27/2013	1500 min	1.55 inches	96 hours	171.6 gpm	154,944 gallons
7. Provide a description of the method of flow measurement or estimate.					
Flow is measured by a dedicated ISCO 4210 Ultrasonic flow meter. Composite samples collected via an ISCO 3710 dedicated sampler and an ISCO model 750 tipping rain gauge.					

***Storm data for the composite make-up event conducted October 7, 2013.**

10/7/2013	390 min	1.62 inches	264 hours	200.2 gpm	153030 gallons
7. Provide a description of the method of flow measurement or estimate.					
Flow is measured by a dedicated ISCO 4210 Ultrasonic flow meter. Composite samples collected via an ISCO 3710 dedicated sampler and an ISCO model 750 tipping rain gauge.					

Outfall 017 - estimated values based on historic data
Form 2-F

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. Units in mg/L.

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5 mg/L				est.	
Biological Oxygen Demand (BOD5)	<5 mg/L				est.	
Chemical Oxygen Demand (COD)	24 mg/L				est.	
Total Suspended Solids (TSS)	128 mg/L				est.	
Total Kjeldahl Nitrogen	1.9 mg/L				est.	
Nitrate plus Nitrite Nitrogen	0.11 mg/L				est.	
Total Phosphorus (7723-14-0)	0.81 mg/L				est.	
pH	8.6				est.	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	<5 mg/L				est.	
Temperature	16.5 C				est.	
Total Residual Chlorine	<0.1 mg/L				est.	
N-nitroso-diphenylamine (62-75-9)	<0.008 mg/L				est.	
2, 4-DNT (121-14-2)	<0.008 mg/L				est.	
2,6-DNT (606-20-2)	<0.008 mg/L				est.	
Toluene (108-88-3)	<0.0100 mg/L				est.	
Ammonia (7664-41-7)	1.22 mg/L				est.	
Tot. Cyanide (52-12-5)	<0.020 mg/L				est.	
Tot. Chromium (7440-47-3)	0.008 mg/L				est.	
Tot. Copper (7440-50-8)	0.0520 mg/L				est.	
Tot. Lead (7439-92-1)	0.174 mg/L				est.	
Tot. Nickel (7440-02-0)	<0.0100 mg/L				est.	
Tot. Zinc (7440-66-6)	0.0830 mg/L				est.	
Bis(2-ethylhexyl)phthalate (117-81-7)	<0.008 mg/L				est.	
1,2,4-Trichlorobenzene (120-82-1)	<0.008 mg/L				est.	
2,4-Dichlorophenol (120-83-2)	<0.008 mg/L				est.	
2,4-Dinitrophenol (51-28-5)	<0.008 mg/L				est.	
2,4-Dimethylphenol (105-67-9)	<0.008 mg/L				est.	
2-Chlorophenol (95-60-8)	<0.008 mg/L				est.	
2-Nitrophenol (88-75-5)	<0.008 mg/L				est.	
3,4-Benzofluoranthene (205-99-2)	<0.008 mg/L				est.	
4,6-Dinitro-o-cresol (534-52-1)	<0.008 mg/L				est.	
4-Nitrophenol (100-02-7)	<0.008 mg/L				est.	

Outfall 017 - estimated values based on historic data
Form 2-F

Acenaphthene (83-32-9)	<0.008 mg/L				est.	
Acenaphthylene (208-96-8)	<0.008 mg/L				est.	
Anthracene (120-12-7)	<0.008 mg/L				est.	
Benzo(a)anthracene (56-55-3)	<0.008 mg/L				est.	
Benzo(a)pryene (50-32-8)	<0.008 mg/L				est.	
Benzo(k)fluoranthene (205-99-2)	<0.008 mg/L				est.	
Chrysene (218-01-9)	<0.008 mg/L				est.	
Diethyl phthalate (84-66-2)	<0.008 mg/L				est.	
Dimethyl phthalate (131-11-3)	<0.008 mg/L				est.	
Di-n-butyl phthalate (84-74-2)	<0.008 mg/L				est.	
Fluoranthene (206-44-0)	<0.008 mg/L				est.	
Fluorene (86-73-7)	<0.008 mg/L				est.	
Hexachlorobenzene (118-74-1)	<0.008 mg/L				est.	
Hexachlorobutadiene (87-68-3)	<0.008 mg/L				est.	
Hexachloroethane (67-72-1)	<0.008 mg/L				est.	
Naphthalene (91-20-3)	<0.008 mg/L				est.	
Nitrobenzene (98-95-3)	<0.008 mg/L				est.	
Phenanthrene (85-01-8)	<0.008 mg/L				est.	
Pyrene (129-00-0)	<0.008 mg/L				est.	
Acrylonitrile (107-13-1)	<15 ug/L				est.	
1,1,1-Trichloroethane (71-55-6)	<1.0 ug/L				est.	
1,1,2-Trichloroethane (79-08-5)	<1.0 ug/L				est.	
1,1-Dichloroethane (75-34-3)	<1.0 ug/L				est.	
1,1-Dichloroethylene (75-35-4)	<1.0 ug/L				est.	
1,2-Dichlorobenzene (995-50-1)	<1.0 ug/L				est.	
1,2-Dichloroethane (107-06-2)	<1.0 ug/L				est.	
1,2-Dichloropropane (75-87-5)	<1.0 ug/L				est.	
1,2-trans-Dichloroethylene (156-60-5)	<1.0 ug/L				est.	
1,3-Dichlorobenzene (541-73-7)	<0.008 mg/L				est.	
1,3-Dichloropropylene (542-75-6)	<1.0 ug/L				est.	
1,4-Dichlorobenzene (106-46-7)	<0.008 mg/L				est.	
Benzene (71-43-2)	<1.0 ug/L				est.	
Carbon tetrachloride (56-23-5)	<1.0 ug/L				est.	
Chlorobenzene (108-90-7)	<1.0 ug/L				est.	

Outfall 017 - estimated values based on historic data
Form 2-F

Chloroethane (75-00-3)	<1.0 ug/L				est.	
Chloroform (67-66-3)	<1.0 ug/L				est.	
Ethylbenzene (100-41-4)	<1.0 ug/L				est.	
Methyl Chloride (74-87-3)	<1.0 ug/L				est.	
Methylene Chloride (75-09-2)	<1.0 ug/L				est.	
Phenol (108-95-2)	<0.005 mg/L				est.	
Tetrachloroethylene (127-18-4)	<1.0 ug/L				est.	
Trichloroethylene (79-01-6)	<1.0 ug/L				est.	
Vinyl Chloride (75-01-4)	<1.0 ug/L				est.	
Dis. Copper (7440-50-8)	0.0054 mg/L				est.	
Dis. Lead (7439-92-1)	0.0103 mg/L				est.	
Dis. Zinc (7440-66-6)	0.0018 mg/L				est.	
1,3,5-Trinitrobenzene	<0.6				est.	
1,3-Dinitrobenzene	<0.6				est.	
2,4,6-Trinitrotoluene	<0.6				est.	
2-Amino-4,6-Dinitrotoluene	<0.6				est.	
2-Nitrotoluene	<0.75				est.	
3-Nitrotoluene	<1.2				est.	
4-Amino-2,6-dinitrotoluene	<0.6				est.	
4-Nitrotoluene	<1.2				est.	
HMX	<2.0				est.	
RDX	<0.5				est.	
Tetryl	<0.6				est.	

Part C: List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color*	100 CU				est.	
Fecal Coliform	0.0 Col/100ml				est.	
Total Aluminum (7429-90-5)	7.36 mg/L				est.	

Outfall 017 - estimated values based on historic data
Form 2-F

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)

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

Data estimated since no flow was experienced at this outfall

Outfall 024 estimated using 3L data - no flow
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	est	
Biological Oxygen Demand (BOD5)	4	4.1	N/A	N/A	est	
Chemical Oxygen Demand (COD)	<20	22	N/A	N/A	est	
Total Suspended Solids (TSS)	11.8	4.2	N/A	N/A	est	
Total Kjeldahl Nitrogen	0.63	0.9	N/A	N/A	est	
Nitrate plus Nitrite Nitrogen	0.95	1.8	N/A	N/A	est	
Total Phosphorus (7723-14-0)	0.21	0.26	N/A	N/A	est	
pH	7.7	N/A	N/A	N/A	est	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	7.0 mg/L	7.7 mg/L	N/A	N/A	est	
Temperature	19.3 C	N/A	N/A	N/A	est	
Total Residual Chlorine	0.06 mg/L	N/A	N/A	N/A	est	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	est	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	est	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	est	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	est	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	est	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	est	
Tot. Chromium (7440-47-3)	2.1	2.5	N/A	N/A	est	
Tot. Copper (7440-50-8)	6	5.3	N/A	N/A	est	
Tot. Lead (7439-92-1)	2.8	1.4	N/A	N/A	est	
Tot. Nickel (7440-02-0)	<1.0	1.5	N/A	N/A	est	
Tot. Zinc (7440-66-6)	28.7	21.1	N/A	N/A	est	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	est	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	est	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	est	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	est	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	est	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	est	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	est	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	est	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	est	

Outfall 024 estimated using 3L data - no flow
Form 2-F

4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	est	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	est	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	est	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	est	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	est	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	est	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	est	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	est	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	est	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	est	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	est	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	est	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	est	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	est	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	est	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	est	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	est	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	est	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	est	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	est	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	est	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	est	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	est	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	est	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	est	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	est	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	est	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	est	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	est	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	est	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	est	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	est	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	est	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	est	

Outfall 024 estimated using 3L data - no flow
Form 2-F

Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	est	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	est	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	est	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	est	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	est	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	est	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	est	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	est	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	est	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	est	
Dis. Copper (7440-50-8)	4.3	4.7	N/A	N/A	est	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	est	
Dis. Zinc (7440-66-6)	13.9	15.9	N/A	N/A	est	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	est	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	est	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	est	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	est	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	est	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	est	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	est	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	est	
HMX	<2.0	<2.0	N/A	N/A	est	
RDX	<0.5	<0.5	N/A	N/A	est	
Tetryl	<0.6	<0.6	N/A	N/A	est	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	60.0	50.0	N/A	N/A	est	
Fecal Coliform	>6000 col/100mL	N/A	N/A	N/A	est	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	>6000 col/100mL	N/A	N/A	N/A	est	

Outfall 024 estimated using 3L data - no flow
Form 2-F

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)

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

Estimated using 3L data - this Outfall does not normally have flow.

Outfall 026
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	<2	2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<20	38.2	N/A	N/A	1	
Total Suspended Solids (TSS)	1	2.1	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.5	<0.5	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	4.8	4.3	N/A	N/A	1	
Total Phosphorus (7723-14-0)	0.43	0.34	N/A	N/A	1	
pH	6.9	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	15.2 mg/L	15.2 mg/L	N/A	N/A	1	
Temperature	25.1°C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.00 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	5.0	N/A	N/A	N/A	1	source unknown - not believed present
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	<1.0	<1.0	N/A	N/A	1	
Tot. Copper (7440-50-8)	4.6	3.9	N/A	N/A	1	
Tot. Lead (7439-92-1)	2.2	2.4	N/A	N/A	1	
Tot. Nickel (7440-02-0)	<1.0	<1.0	N/A	N/A	1	
Tot. Zinc (7440-66-6)	16.1	28.1	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	95	N/A	N/A	1	source unknown - possible tubing contamination
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	

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4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pyrene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	29.6	N/A	N/A	1	souce unknown in sanitary waste - propellant ingredient
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	

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Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	11.4	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	3.9	3.1	N/A	N/A	1	
Dis. Lead (7439-92-1)	1.2	1.6	N/A	N/A	1	
Dis. Zinc (7440-66-6)	15.8	29	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	11	5.7	N/A	N/A	1	source unknown in sanitary waste - used in Munitions manufacture
RDX	<0.5	1.7	N/A	N/A	1	source unknown in sanitary waste - used in Munitions manufacture
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25	5.0	N/A	N/A	1	
Fecal Coliform	<1 col/100mL	N/A	N/A	N/A	1	
Total Aluminum (7429-90-5)	41.6	43.4	N/A	N/A	1	

Outfall 026
Form 2-F

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 - **Composite Sample Collection**	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)
12/6/2013	960	0.81 inches	247 hours	536.57	236, 615 gallons

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

Flow measurements were made with a dedicated ISCO 4210 Bubble Flow Meter used in conjunction with an ISCO Model 750 tipping rain gauge and an ISCO 6712 Portable Sampler. Do to programming limitations, the rain gauge was located less than 100 yards away at Outfall 007 where it was actively monitoring rainfall. The 0.81-inches of rainfall reported here was obtained from the Outfall 007 Performance Table.

Outfall 029
Form 2-F

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. Units in mg/L

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 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5.0	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	2.3	<2.0	N/A	N/A	1	
Chemical Oxygen Demand (COD)	22.0	21.0	N/A	N/A	1	process outfall - normally present
Total Suspended Solids (TSS)	3.6	1.8	N/A	N/A	1	process outfall - normally present
Total Kjeldahl Nitrogen	0.77	0.60	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	4.0	4.0	N/A	N/A	1	process outfall - normally present
Total Phosphorus (7723-14-0)	<0.05	<0.05	N/A	N/A	1	
pH	8.10	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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. ND = Not detected at or above MDL

Pollutant and CAS Number (if available)	Maximum Values (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	45.8 mg/L	49.2 mg/L	N/A	N/A		process outfall - normally present
Temperature	22.5°C	N/A	N/A	N/A		
Total Residual Chlorine	0	N/A	N/A	N/A		
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A		
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A		
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A		
Toluene (108-88-3)	<5.0	N/A	N/A	N/A		
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A		
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A		
Tot. Chromium (7440-47-3)	<1.0	<1.0	N/A	N/A	1	
Tot. Copper (7440-50-8)	3.6	2.3	N/A	N/A	1	propellant ingredient
Tot. Lead (7439-92-1)	21.9	13.8	N/A	N/A	1	lead floors and propellant ingredient
Tot. Nickel (7440-02-0)	<1.0	<1.0	N/A	N/A	1	
Tot. Zinc (7440-66-6)	<5.0	<5.0	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	

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3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	

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Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	2.3	3	N/A	N/A	1	propellant ingredient
Dis. Lead (7439-92-1)	14.2	18.2	N/A	N/A	1	lead floors and propellant ingredient
Dis. Zinc (7440-66-6)	<5.0	<5.0	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	4.8	4.6	N/A	N/A	1	Used in munitions manufacture
RDX	2.1	2.0	N/A	N/A	1	Used in munitions manufacture
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25.0	<25.0	N/A	N/A	1	
Fecal Coliform	<1 col/100mL	N/A	N/A	N/A	1	
Total Aluminum (7429-90-5)	380 µg/L	274 µg/L	N/A	N/A	1	

Outfall 029
Form 2-F

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)
8/17/2013	140 minutes	0.13 inches	108	679 gpm	113,057 gallons

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

Flow measurement was conducted using a dedicated ISCO 4230 Bubble Flow Meter monitoring a permanent 9-inch Parshall Flume. Rainfall measurements were made using an ISCO 750 tipping rain gauge. Samples were generated using an ISCO model 3710 permanent sampler controlled via the bubble flow meter.

Outfall 3L
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	4	4.1	N/A	N/A	1	
Chemical Oxygen Demand (COD)	<20	22	N/A	N/A	1	
Total Suspended Solids (TSS)	11.8	4.2	N/A	N/A	1	
Total Kjeldahl Nitrogen	0.63	0.9	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.95	1.8	N/A	N/A	1	
Total Phosphorus (7723-14-0)	0.21	0.26	N/A	N/A	1	
pH	7.7	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	7.0 mg/L	7.7 mg/L	N/A	N/A	1	
Temperature	19.3 C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.06 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	2.1	2.5	N/A	N/A	1	
Tot. Copper (7440-50-8)	6	5.3	N/A	N/A	1	
Tot. Lead (7439-92-1)	2.8	1.4	N/A	N/A	1	
Tot. Nickel (7440-02-0)	<1.0	1.5	N/A	N/A	1	
Tot. Zinc (7440-66-6)	28.7	21.1	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	

Outfall 3L
Form 2-F

4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	

Outfall 3L
Form 2-F

Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	4.3	4.7	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	13.9	15.9	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2.0	<2.0	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	60.0	50.0	N/A	N/A	1	
Fecal Coliform	>6000 col/100mL	N/A	N/A	N/A	1	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	407	287	N/A	N/A	1	

Outfall 3L
Form 2-F

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)
Septmeber 21, 2013	204	0.59	216	501.47 gpm	41,274 gallons
April 3, 2014	455	0.24	109	64.75 gpm	7, 365.1 gallons

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

An ISCO model 6712 portable bubble flow meter and sampler along with a model 750 rain gauge was used to measure rainfall amount and flow.

Outfall 15C
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	2.6	<5	N/A	N/A	1	
Chemical Oxygen Demand (COD)	51.1	101	N/A	N/A	1	unknown source
Total Suspended Solids (TSS)	182	114	N/A	N/A	1	unknown source - possible errosion
Total Kjeldahl Nitrogen	1.3	0.52	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.30	0.087	N/A	N/A	1	
Total Phosphorus (7723-14-0)	0.12	<0.050	N/A	N/A	1	
pH	7.42	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	6.5 mg/L	4.8 mg/L	N/A	N/A	1	
Temperature	19.8 °C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.01 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	3.5	1.9	N/A	N/A	1	
Tot. Copper (7440-50-8)	3.8	1.8	N/A	N/A	1	
Tot. Lead (7439-92-1)	3.3	1.7	N/A	N/A	1	
Tot. Nickel (7440-02-0)	2.4	1.3	N/A	N/A	1	
Tot. Zinc (7440-66-6)	16.8	7.5	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	

Outfall 15C
Form 2-F

Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	1	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	1	

Outfall 15C
Form 2-F

Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	1.5	<1.0	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	7.4	<5.0	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2	<2	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	<25.0	<25.0	N/A	N/A	1	
Fecal Coliform	370 col/100mL	N/A	N/A	N/A	1	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	2,520	1,290	N/A	N/A	1	possible water leaks present - poly aluminum chloride is used in water treatment

Outfall 15C
Form 2-F

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)
8/29/2013	135 min.	0.26	120	12.14 gpm	10,391 gallons

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

An ISCO model 6712 portable bubble flow meter and sampler along with a model 750 rain gauge was used to measure rainfall amount and flow during all storm events at Outfall 15C.

Make-up composite event for BOD and color.

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)
11/15/2013	370 min.	0.29	168	15.54 gpm	17,811 gallons

Make-up composite event for SW846 Method 8330A (i.e., explosives).

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)
11/26/2013	1,250 min.	1.94	168	90.58 gpm*	77,533 gallons*

*Denotes estimated data.
Storm event duration (2), total rainfall (3) and hours between previou storm event (4) data obtained from Outfall 012, which occurred on the same date.

Outfall 12A
Form 2-F

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. Units in mg/L.

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	2	
Biological Oxygen Demand (BOD5)	3.8	3	N/A	N/A	2	
Chemical Oxygen Demand (COD)	74.8	40.5	N/A	N/A	2	Unknown source
Total Suspended Solids (TSS)	182	24.7	N/A	N/A	2	Unknown source
Total Kjeldahl Nitrogen	4.6	1.1	N/A	N/A	2	
Nitrate plus Nitrite Nitrogen	0.47	0.27	N/A	N/A	2	
Total Phosphorus (7723-14-0)	1.3	0.44	N/A	N/A	2	
pH	8.34	N/A	N/A	N/A	2	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	5.6 mg/L	4.2 mg/L	N/A	N/A	2	
Temperature	19.2°C	N/A	N/A	N/A	2	
Total Residual Chlorine	0.05 mg/L	N/A	N/A	N/A	2	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	2	
2, 4-DNT (121-14-2)	<2.0	<2.0	N/A	N/A	2	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	2	
Toluene (108-88-3)	<5.0	N/A	N/A	N/A	2	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	2	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	2	
Tot. Chromium (7440-47-3)	<1.0	<1.0	N/A	N/A	2	
Tot. Copper (7440-50-8)	3.3	3.1	N/A	N/A	2	
Tot. Lead (7439-92-1)	6	<1.0	N/A	N/A	2	
Tot. Nickel (7440-02-0)	<1.0	<1.0	N/A	N/A	2	
Tot. Zinc (7440-66-6)	57.5	16.6	N/A	N/A	2	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	<5.0	N/A	N/A	2	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	2	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	2	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	2	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	2	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	2	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	2	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	2	
4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	2	

Outfall 12A
Form 2-F

4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	2	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	2	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	2	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	2	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	2	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	2	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	2	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	2	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	2	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	2	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	2	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	2	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	2	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	2	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	2	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	2	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	2	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	2	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	2	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	2	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	2	
1,1,1-Trichloroethane (71-55-6)	<5.0	N/A	N/A	N/A	2	
1,1,2-Trichloroethane (79-08-5)	<5.0	N/A	N/A	N/A	2	
1,1-Dichloroethane (75-34-3)	<5.0	N/A	N/A	N/A	2	
1,1-Dichloroethylene (75-35-4)	<5.0	N/A	N/A	N/A	2	
1,2-Dichlorobenzene (995-50-1)	<5.0	N/A	N/A	N/A	2	
1,2-Dichloroethane (107-06-2)	<5.0	N/A	N/A	N/A	2	
1,2-Dichloropropane (75-87-5)	<5.0	N/A	N/A	N/A	2	
1,2-trans-Dichloroethylene (156-60-5)	<5.0	N/A	N/A	N/A	2	
1,3-Dichlorobenzene (541-73-7)	<5.0	N/A	N/A	N/A	2	
1,3-Dichloropropylene (542-75-6)	<5.0	N/A	N/A	N/A	2	
1,4-Dichlorobenzene (106-46-7)	<5.0	N/A	N/A	N/A	2	
Benzene (71-43-2)	<5.0	N/A	N/A	N/A	2	
Carbon tetrachloride (56-23-5)	<5.0	N/A	N/A	N/A	2	

Outfall 12A
Form 2-F

Chlorobenzene (108-90-7)	<5.0	N/A	N/A	N/A	2	
Chloroethane (75-00-3)	<10.0	N/A	N/A	N/A	2	
Chloroform (67-66-3)	<5.0	N/A	N/A	N/A	2	
Ethylbenzene (100-41-4)	<5.0	N/A	N/A	N/A	2	
Methyl Chloride (74-87-3)	<5.0	N/A	N/A	N/A	2	
Methylene Chloride (75-09-2)	<5.0	N/A	N/A	N/A	2	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	2	
Tetrachloroethylene (127-18-4)	<5.0	N/A	N/A	N/A	2	
Trichloroethylene (79-01-6)	<5.0	N/A	N/A	N/A	2	
Vinyl Chloride (75-01-4)	<5.0	N/A	N/A	N/A	2	
Dis. Copper (7440-50-8)	2.6	2.7	N/A	N/A	2	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	2	
Dis. Zinc (7440-66-6)	17.6	16.5	N/A	N/A	2	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	2	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	2	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	2	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	2	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	2	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	2	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	2	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	2	
HMX	<2.0	<2.0	N/A	N/A	2	
RDX	<0.5	<0.5	N/A	N/A	2	
Tetryl	<0.6	<0.6	N/A	N/A	2	

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

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color*	123/127	126/124	N/A	N/A	2	
Fecal Coliform	1,600 col/100mL	N/A	N/A	N/A	2	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	426	255	N/A	N/A	2	

Outfall 12A
Form 2-F

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)
10/7/2013	408	1.65	264	434 gpm	29,738 gallons

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

An ISCO model 6712 portable bubble flow meter and sampler along with a model 750 rain gauge was used to measure rainfall amount and flow.

Outfall 16A
Form 2-F

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. Units in mg/L

Pollutant and CAS Number (if available)	Maximum Values		Average Values		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5	N/A	N/A	N/A	1	
Biological Oxygen Demand (BOD5)	2	<2	N/A	N/A	1	
Chemical Oxygen Demand (COD)	32	36	N/A	N/A	1	unknown source - possibly vegetation
Total Suspended Solids (TSS)	7.5	5.3	N/A	N/A	1	
Total Kjeldahl Nitrogen	<0.5	<0.5	N/A	N/A	1	
Nitrate plus Nitrite Nitrogen	0.2	0.39	N/A	N/A	1	
Total Phosphorus (7723-14-0)	0.17	0.17	N/A	N/A	1	
pH	7.55	N/A	N/A	N/A	1	

Part B: List each pollutant that is limited in an effluent guideline which the facility is subject to or a 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 (units in µg/L unless units noted)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Sulfate (14808-79-8)	10.2 mg/L	14.0 mg/L	N/A	N/A	1	
Temperature	17.3°C	N/A	N/A	N/A	1	
Total Residual Chlorine	0.04 mg/L	N/A	N/A	N/A	1	
N-nitroso-diphenylamine (62-75-9)	<10.0	<10.0	N/A	N/A	1	
2, 4-DNT (121-14-2)	<2	<2	N/A	N/A	1	
2,6-DNT (606-20-2)	<1.3	<1.3	N/A	N/A	1	
Toluene (108-88-3)	<2.0	N/A	N/A	N/A	1	
Ammonia (7664-41-7)	<0.10 mg/L	<0.10 mg/L	N/A	N/A	1	
Tot. Cyanide (52-12-5)	<0.010 mg/L	N/A	N/A	N/A	1	
Tot. Chromium (7440-47-3)	2.4	1.7	N/A	N/A	1	
Tot. Copper (7440-50-8)	4.7	3.6	N/A	N/A	1	
Tot. Lead (7439-92-1)	5.3	2.9	N/A	N/A	1	
Tot. Nickel (7440-02-0)	1.1	1	N/A	N/A	1	
Tot. Zinc (7440-66-6)	19.5	24.3	N/A	N/A	1	
Bis(2-ethylhexyl)phthalate (117-81-7)	<5.0	6	N/A	N/A	1	
1,2,4-Trichlorobenzene (120-82-1)	<5.0	<5.0	N/A	N/A	1	
2,4-Dichlorophenol (120-83-2)	<5.0	<5.0	N/A	N/A	1	
2,4-Dinitrophenol (51-28-5)	<50.0	<50.0	N/A	N/A	1	
2,4-Dimethylphenol (105-67-9)	<10.0	<10.0	N/A	N/A	1	
2-Chlorophenol (95-60-8)	<5.0	<5.0	N/A	N/A	1	
2-Nitrophenol (88-75-5)	<5.0	<5.0	N/A	N/A	1	
3,4-Benzofluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	

Outfall 16A
Form 2-F

4,6-Dinitro-o-cresol (534-52-1)	<20.0	<20.0	N/A	N/A	1	
4-Nitrophenol (100-02-7)	<50.0	<50.0	N/A	N/A	1	
Acenaphthene (83-32-9)	<5.0	<5.0	N/A	N/A	1	
Acenaphthylene (208-96-8)	<5.0	<5.0	N/A	N/A	1	
Anthracene (120-12-7)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)anthracene (56-55-3)	<5.0	<5.0	N/A	N/A	1	
Benzo(a)pryene (50-32-8)	<5.0	<5.0	N/A	N/A	1	
Benzo(k)fluoranthene (205-99-2)	<5.0	<5.0	N/A	N/A	1	
Chrysene (218-01-9)	<5.0	<5.0	N/A	N/A	1	
Diethyl phthalate (84-66-2)	<5.0	<5.0	N/A	N/A	1	
Dimethyl phthalate (131-11-3)	<5.0	<5.0	N/A	N/A	1	
Di-n-butyl phthalate (84-74-2)	<5.0	<5.0	N/A	N/A	1	
Fluoranthene (206-44-0)	<5.0	<5.0	N/A	N/A	1	
Fluorene (86-73-7)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobenzene (118-74-1)	<5.0	<5.0	N/A	N/A	1	
Hexachlorobutadiene (87-68-3)	<5.0	<5.0	N/A	N/A	1	
Hexachloroethane (67-72-1)	<5.0	<5.0	N/A	N/A	1	
Naphthalene (91-20-3)	<5.0	<5.0	N/A	N/A	1	
Nitrobenzene (98-95-3)	<0.6	<0.6	N/A	N/A	1	
Phenanthrene (85-01-8)	<5.0	<5.0	N/A	N/A	1	
Pyrene (129-00-0)	<5.0	<5.0	N/A	N/A	1	
Acrylonitrile (107-13-1)	<50.0	N/A	N/A	N/A	1	
1,1,1-Trichloroethane (71-55-6)	<2.0	N/A	N/A	N/A	1	
1,1,2-Trichloroethane (79-08-5)	<2.0	N/A	N/A	N/A	1	
1,1-Dichloroethane (75-34-3)	<2.0	N/A	N/A	N/A	1	
1,1-Dichloroethylene (75-35-4)	<2.0	N/A	N/A	N/A	1	
1,2-Dichlorobenzene (995-50-1)	<2.0	N/A	N/A	N/A	1	
1,2-Dichloroethane (107-06-2)	<2.0	N/A	N/A	N/A	1	
1,2-Dichloropropane (75-87-5)	<2.0	N/A	N/A	N/A	1	
1,2-trans-Dichloroethylene (156-60-5)	<2.0	N/A	N/A	N/A	1	
1,3-Dichlorobenzene (541-73-7)	<2.0	N/A	N/A	N/A	1	
1,3-Dichloropropylene (542-75-6)	<2.0	N/A	N/A	N/A	1	
1,4-Dichlorobenzene (106-46-7)	<2.0	N/A	N/A	N/A	1	
Benzene (71-43-2)	<2.0	N/A	N/A	N/A	1	

Outfall 16A
Form 2-F

Carbon tetrachloride (56-23-5)	<2.0	N/A	N/A	N/A	1	
Chlorobenzene (108-90-7)	<2.0	N/A	N/A	N/A	1	
Chloroethane (75-00-3)	<2.0	N/A	N/A	N/A	1	
Chloroform (67-66-3)	8.2	N/A	N/A	N/A	1	
Ethylbenzene (100-41-4)	<2.0	N/A	N/A	N/A	1	
Methyl Chloride (74-87-3)	<2.0	N/A	N/A	N/A	1	
Methylene Chloride (75-09-2)	<2.0	N/A	N/A	N/A	1	
Phenol (108-95-2)	<5.0	<5.0	N/A	N/A	1	
Tetrachloroethylene (127-18-4)	<2.0	N/A	N/A	N/A	1	
Trichloroethylene (79-01-6)	<2.0	N/A	N/A	N/A	1	
Vinyl Chloride (75-01-4)	<2.0	N/A	N/A	N/A	1	
Dis. Copper (7440-50-8)	2.4	2	N/A	N/A	1	
Dis. Lead (7439-92-1)	<1.0	<1.0	N/A	N/A	1	
Dis. Zinc (7440-66-6)	9.6	10.8	N/A	N/A	1	
1,3,5-Trinitrobenzene	<0.6	<0.6	N/A	N/A	1	
1,3-Dinitrobenzene	<0.6	<0.6	N/A	N/A	1	
2,4,6-Trinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Amino-4,6-Dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
2-Nitrotoluene	<0.75	<0.75	N/A	N/A	1	
3-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
4-Amino-2,6-dinitrotoluene	<0.6	<0.6	N/A	N/A	1	
4-Nitrotoluene	<1.2	<1.2	N/A	N/A	1	
HMX	<2	<2	N/A	N/A	1	
RDX	<0.5	<0.5	N/A	N/A	1	
Tetryl	<0.6	<0.6	N/A	N/A	1	

Part C: List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See instructions for additional details. 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 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Color	50 CU	40 CU	N/A	N/A	1	
Fecal Coliform	2,200 col/100mL	N/A	N/A	N/A	1	large deer and wild animal population on plant
Total Aluminum (7429-90-5)	1070 ug/l	703	N/A	N/A	1	unknown source

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

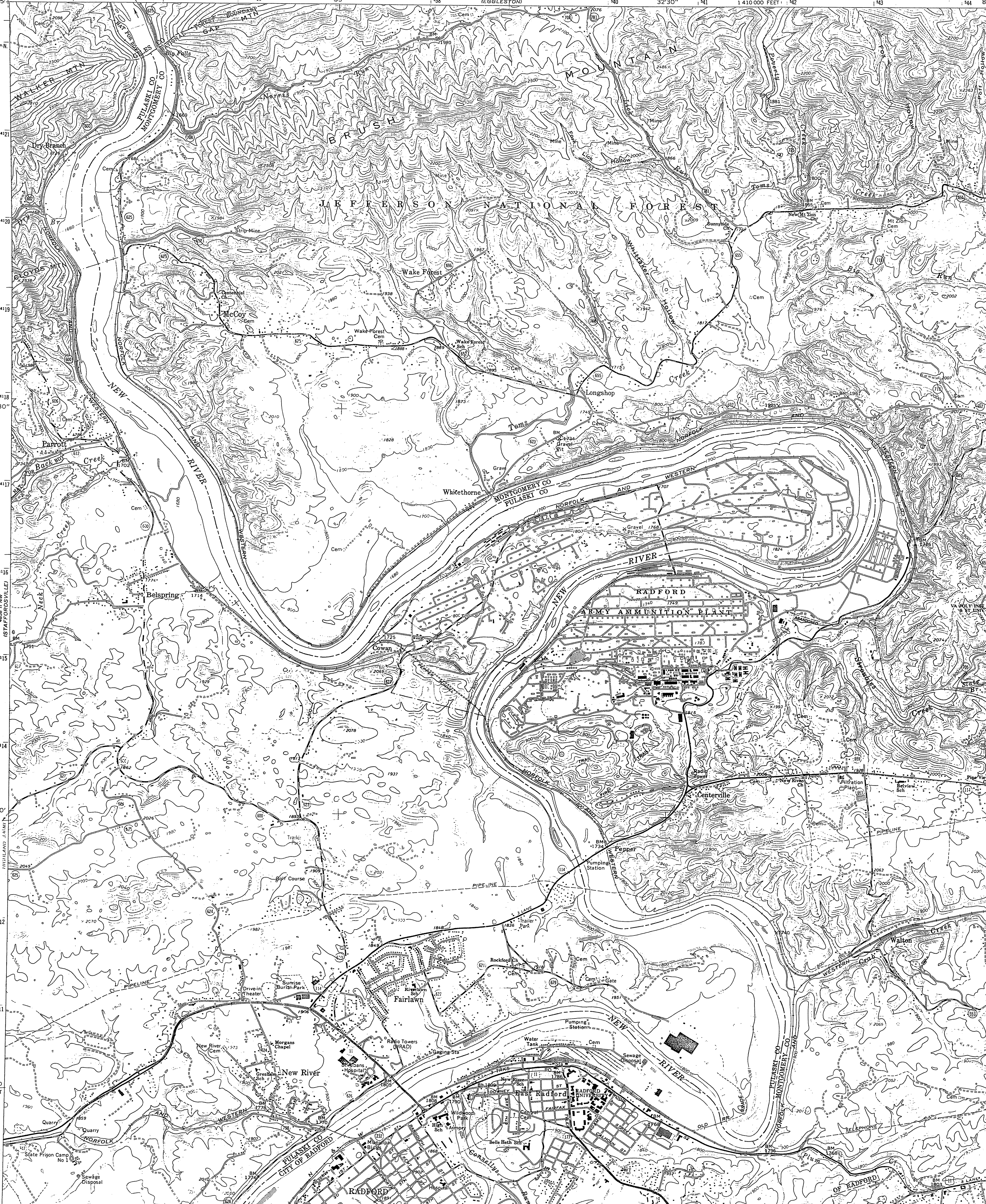
1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event *(gallons/minute or specify units)*	6. Total flow from rain event (gallons or specify units)
12/6/2013	1,993 minutes	0.64 inches	212 hours	1,387 gpm	656,265 gallons

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF VIRGINIA
DIVISION OF MINERAL RESOURCES

RADFORD NORTH QUADRANGLE
VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 RADFORD 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1965
Polyconic projection. 10,000-foot grid ticks based on Virginia coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 17 meters west as shown by dashed corner ticks
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked
Red tint indicates areas in which only landmark buildings are shown
There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1984 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

Revisions shown in purple and woodland compiled in cooperation with Commonwealth of Virginia agencies from aerial photographs taken 1982 and other sources. This information not field checked. Map edited 1984

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

RADFORD NORTH, VA.
NE/4 RADFORD 15' QUADRANGLE
37080-B5-TF-024
1965
PHOTOREVISED 1984
DMA 4858 II NE–SERIES V834

SERIAL NO. 56112

REVISIONS					
DESCRIPTION	DRAFTING		APPROVAL		
	DRAWN	DATE CHECKED	ENG	OPER	SAFETY
REVISED FOR PERMIT	CLL	7/10/13			

NPDES STORM WATER PROGRAM

RADFORD SITE

LATEST REVISED: JUNE 3, 2009

DCN
ENGR.

C. JAKE
ENVIRONMENTAL APPROVAL

TYPE

CLASS

NO.	TITLE

DO NOT SCALE DRAWING

REFERENCE DRAWINGS

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMAL ± –
FRACTIONAL ± –
ANGULAR ± –

RADFORD ARMY AMMUNITION PLANT
U. S. ARMY
RADFORD, VIRGINIA
ALLIANT TECHSYSTEMS

APPROVED FOR GENERAL DESIGN AND SPECIFICATIONS

FOR ALLIANT TECHSYSTEMS

C. JAKE — ENGINEERING DEPT. — DATE

FOR U. S. GOVERNMENT

N/A — DATE

N/A — DATE

BUILDING ----- NO. -----
AREA GPA DEPT. ENVIRONMENTAL

TITLE

VPDES STORM WATER

SCALE: 1"=600'
DATE: 8/10/1992
DRAWN BY: HAGA
CHECKED BY: M. FIELDS

APPROVALS

M. FIELDS — DEPT. SUPT.
D. KESSINGER — SAFETY SUPT.
C. JAKE
D. HALL

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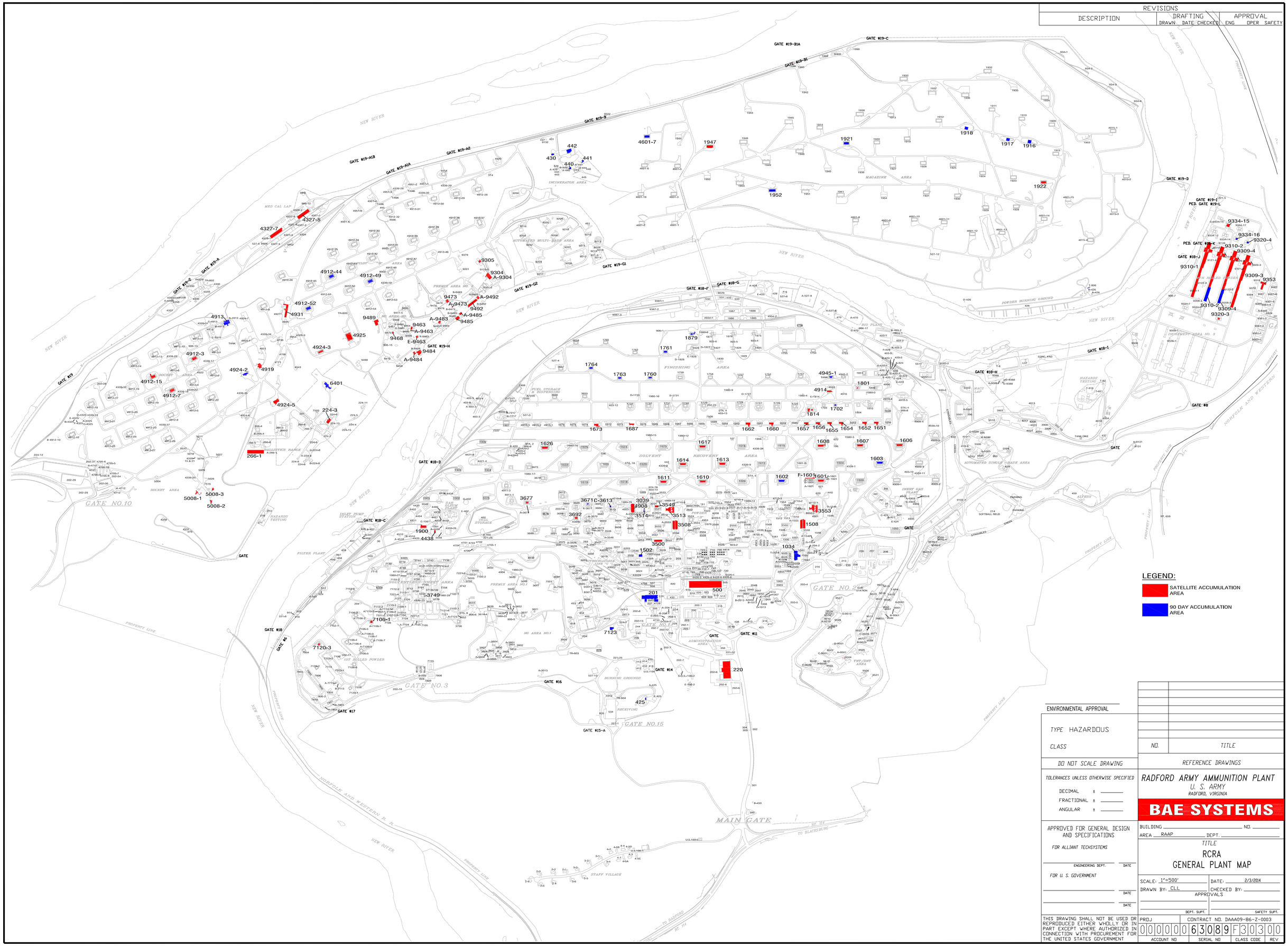
PROJ 0 0 0 0 0 0 — ACCOUNT NO
CONTRACT NO. DAAA09-86-Z-0003
5 6 1 1 2 — SERIAL NO
F 3 2 0 — CLASS CODE
0 1 — REV

REVISIONS					
DESCRIPTION	DRAFTING			APPROVAL	
	DRAWN	DATE	CHECKED	ENG	OPER SAFETY



ENVIRONMENTAL APPROVAL

TYPE HAZARDOUS

CLASS

DO NOT SCALE DRAWING

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMAL ±

FRACTIONAL ±

ANGULAR ±

APPROVED FOR GENERAL DESIGN AND SPECIFICATIONS

FOR ALLIANT TECHSYSTEMS

ENGINEERING DEPT. DATE

FOR U. S. GOVERNMENT

DATE

DATE

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NO.	TITLE

REFERENCE DRAWINGS

RADFORD ARMY AMMUNITION PLANT
U. S. ARMY
RADFORD, VIRGINIA

BAE SYSTEMS

BUILDING _____ NO. _____

AREA RAAP DEPT. _____

TITLE
RCRA
GENERAL PLANT MAP

SCALE: 1"=500'

DATE: 2/3/2014

DRAWN BY: CLL

CHECKED BY: _____

APPROVALS

DEPT. SUPT. SAFETY SUPT.

PROJ CONTRACT NO. DAAA09-86-Z-0003

ACCOUNT NO	SERIAL NO	CLASS CODE	REV
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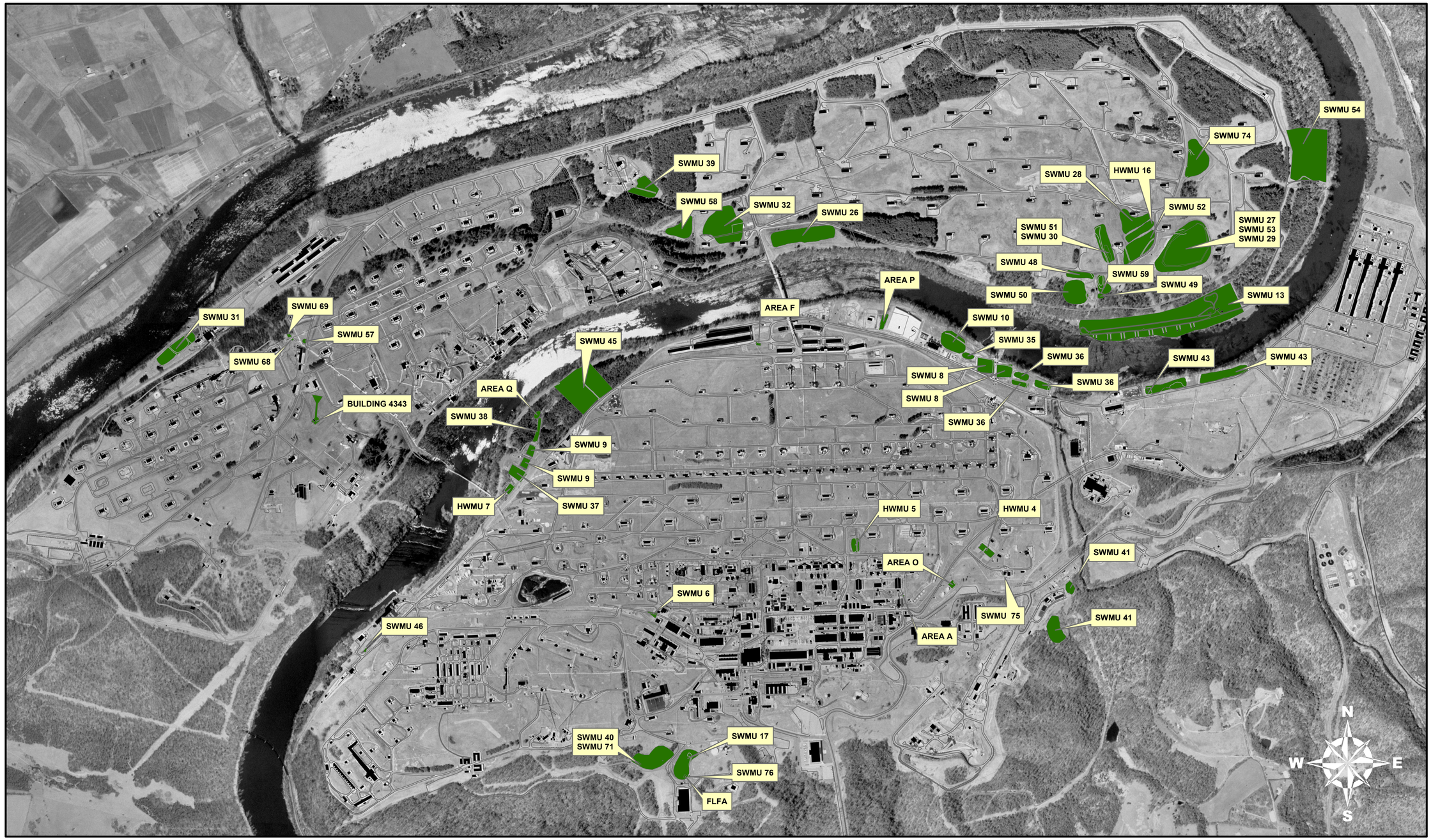
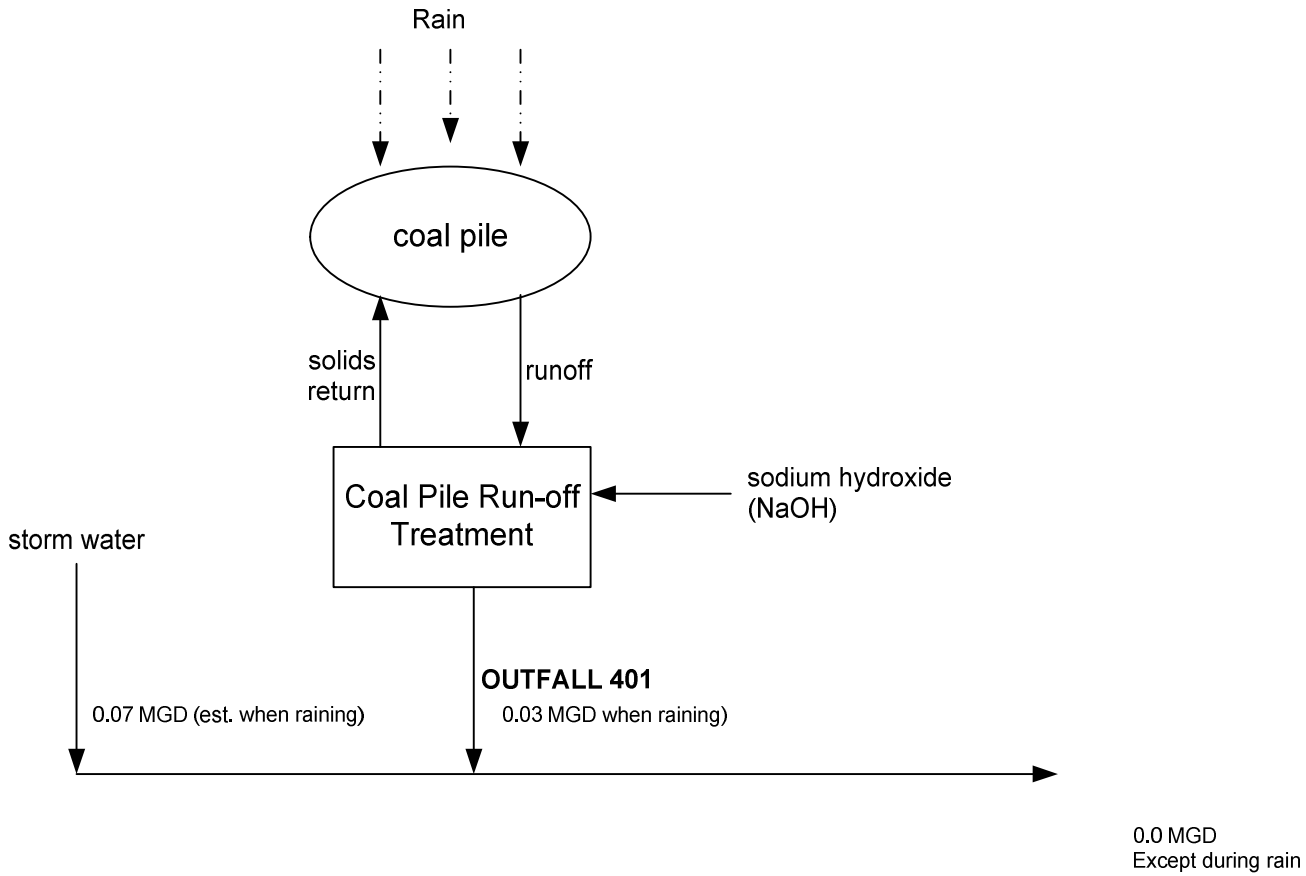
Radford Army Ammunition Plant
Installation Restoration Program Sites



Shaw® Shaw Environmental, Inc.

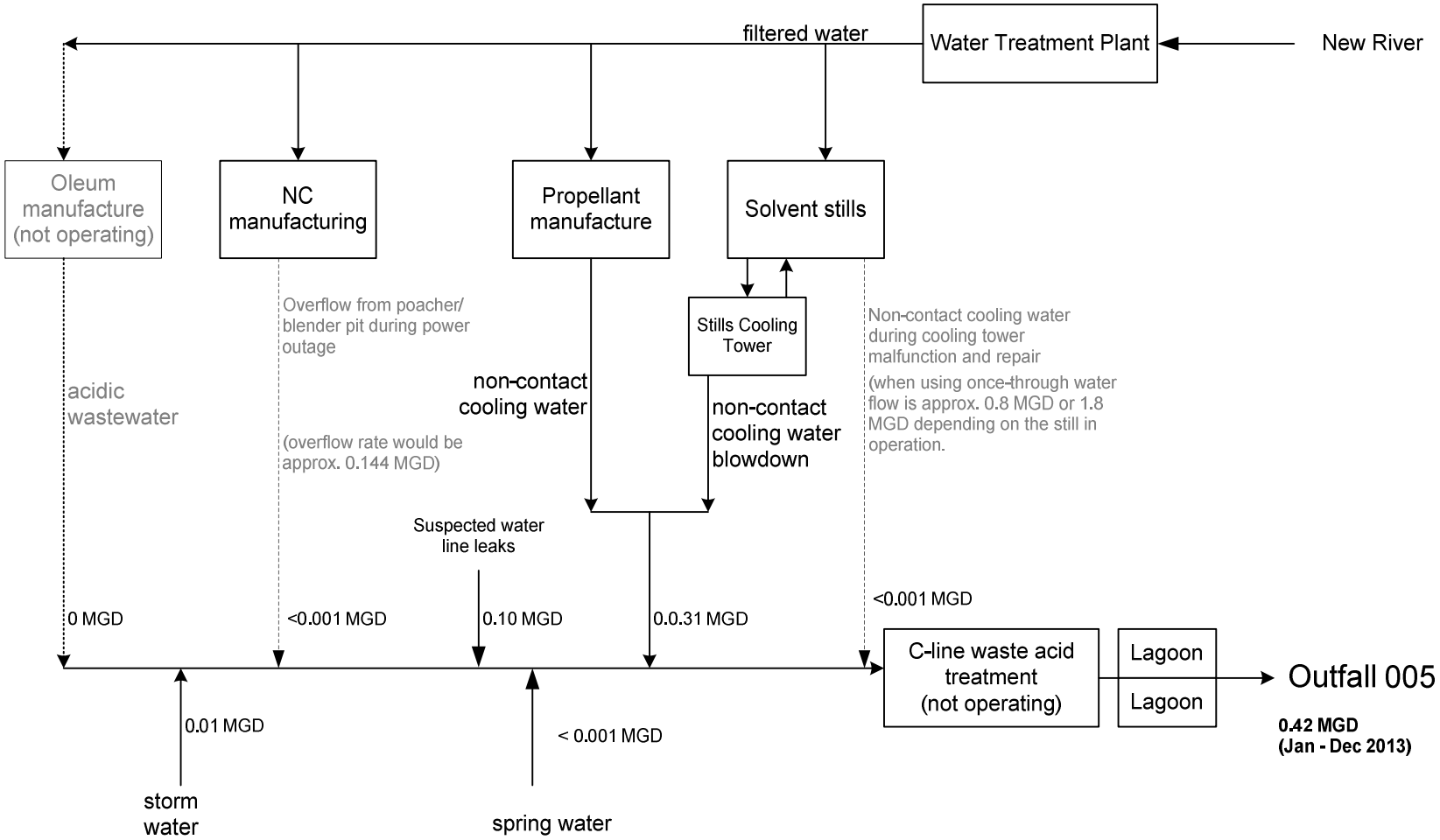
OUTFALLS 004 AND 401

Revised 05/14



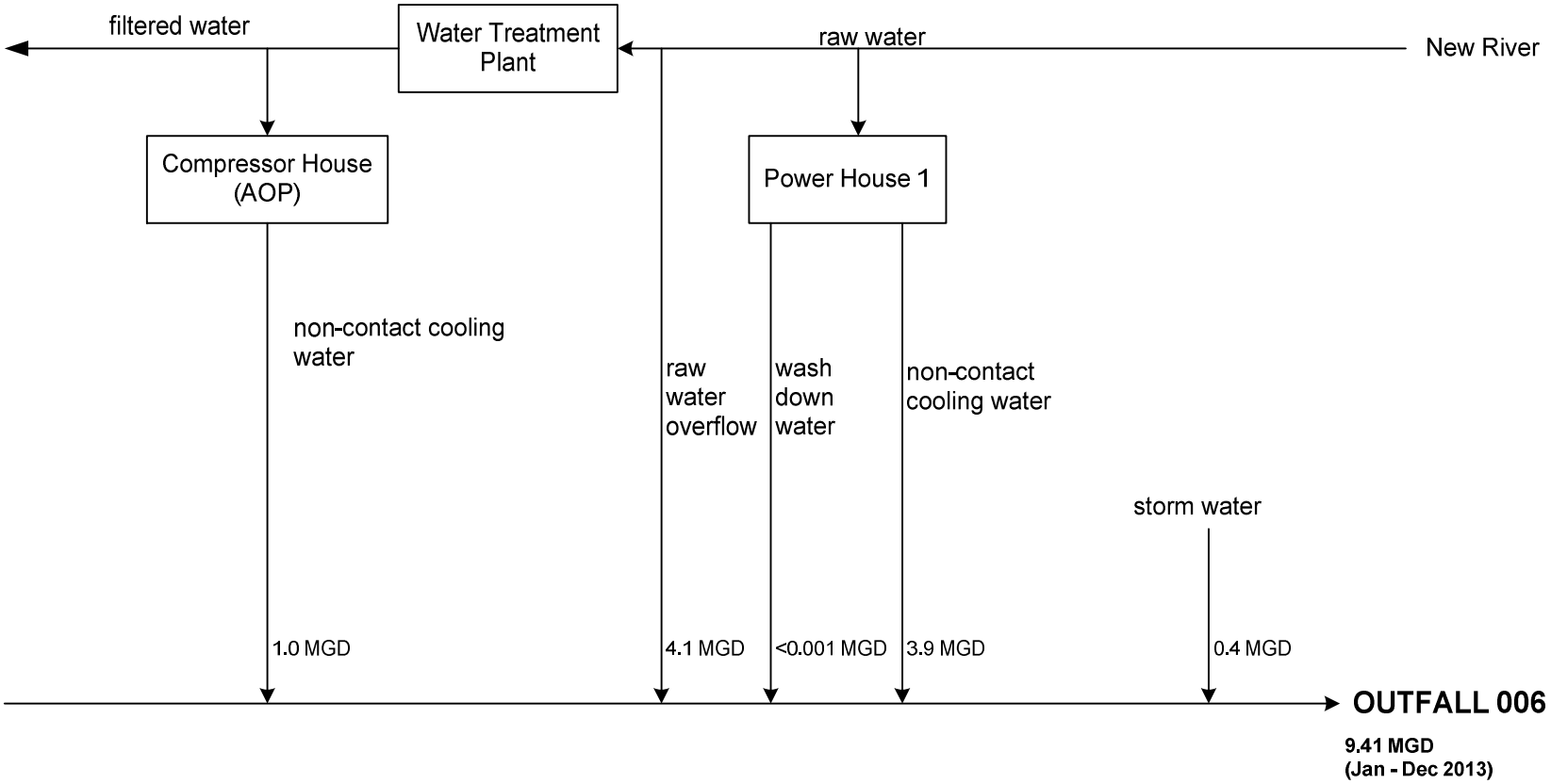
OUTFALL 005

Revised 9/29/2014



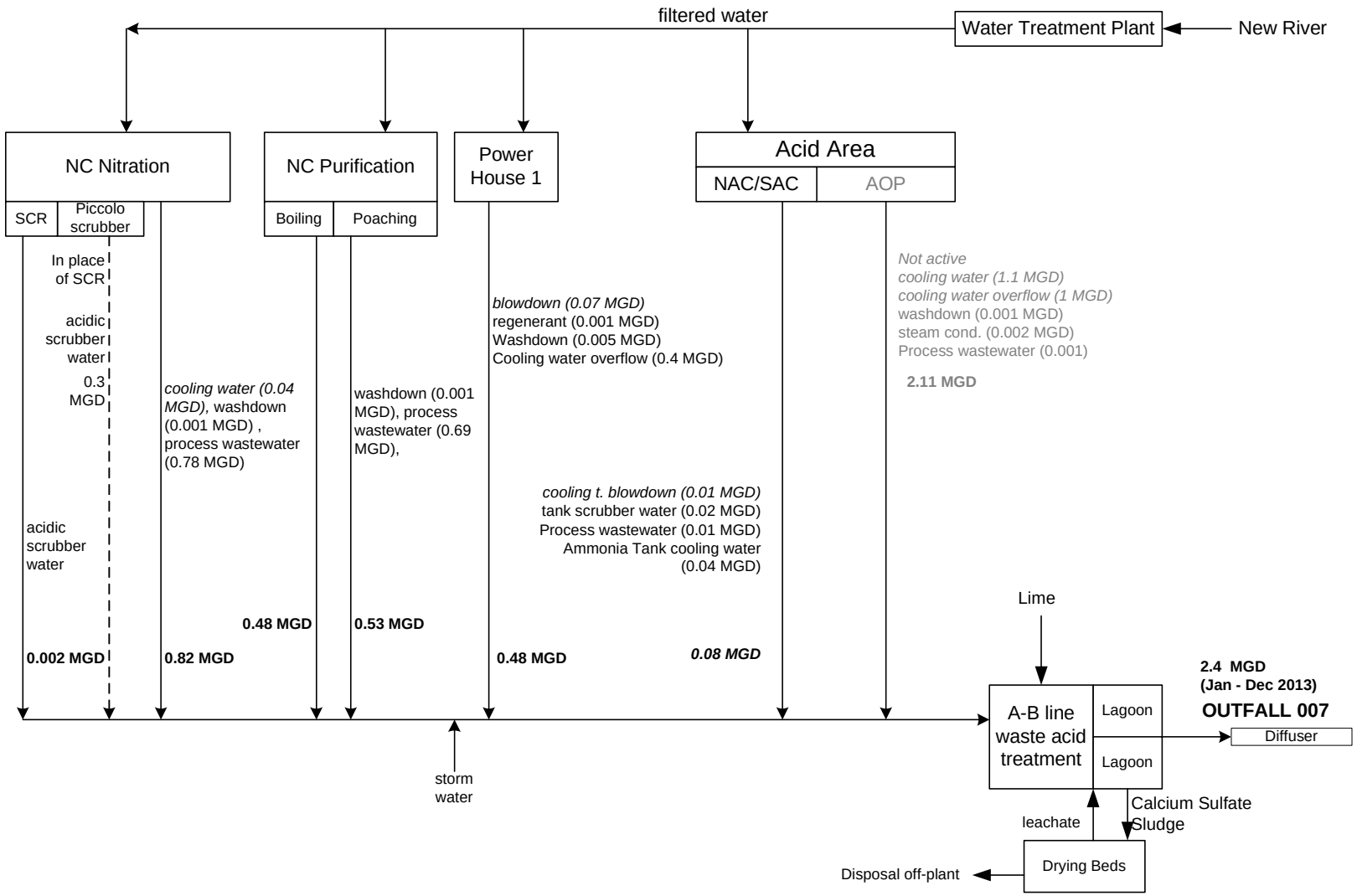
OUTFALL 006

Revised 05/09/2014



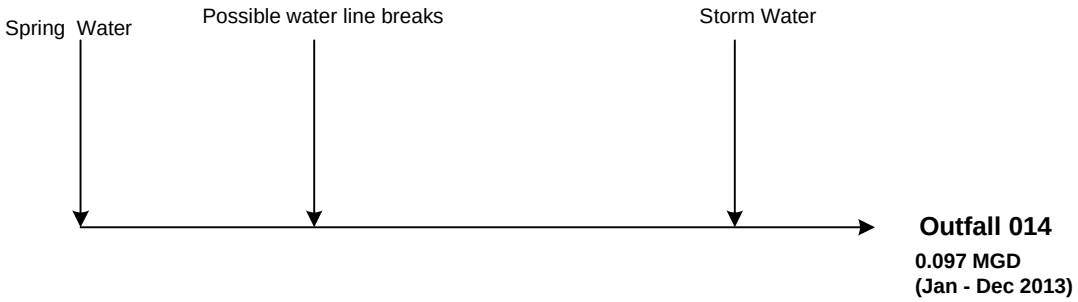
OUTFALL 007

Revised 09/22/2014



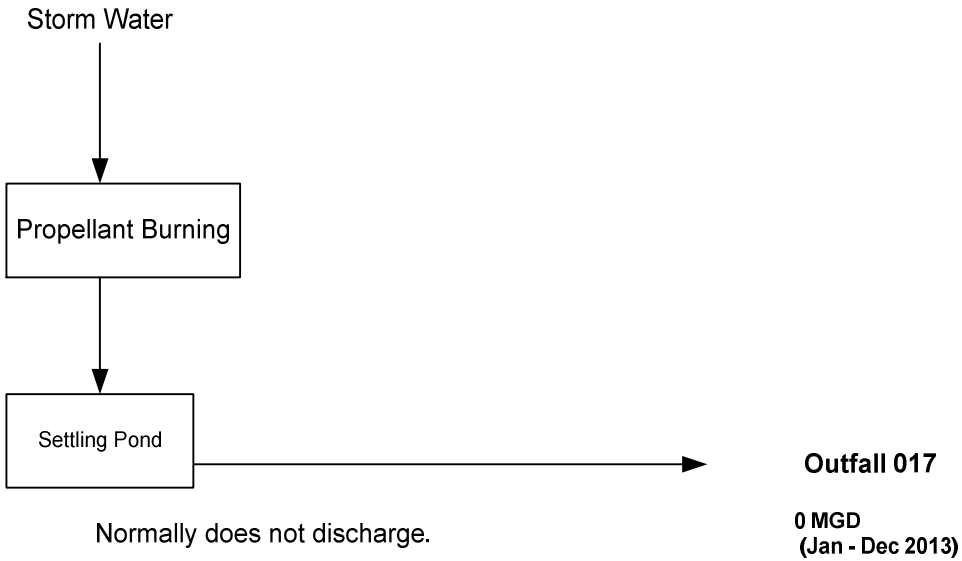
OUTFALL 014

Revised 9/2014



OUTFALL 017

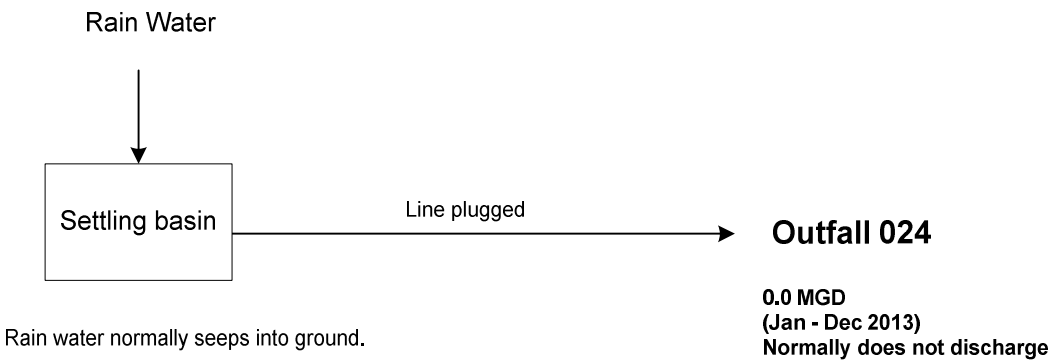
Revised 5/23/2014



OUTFALL 024

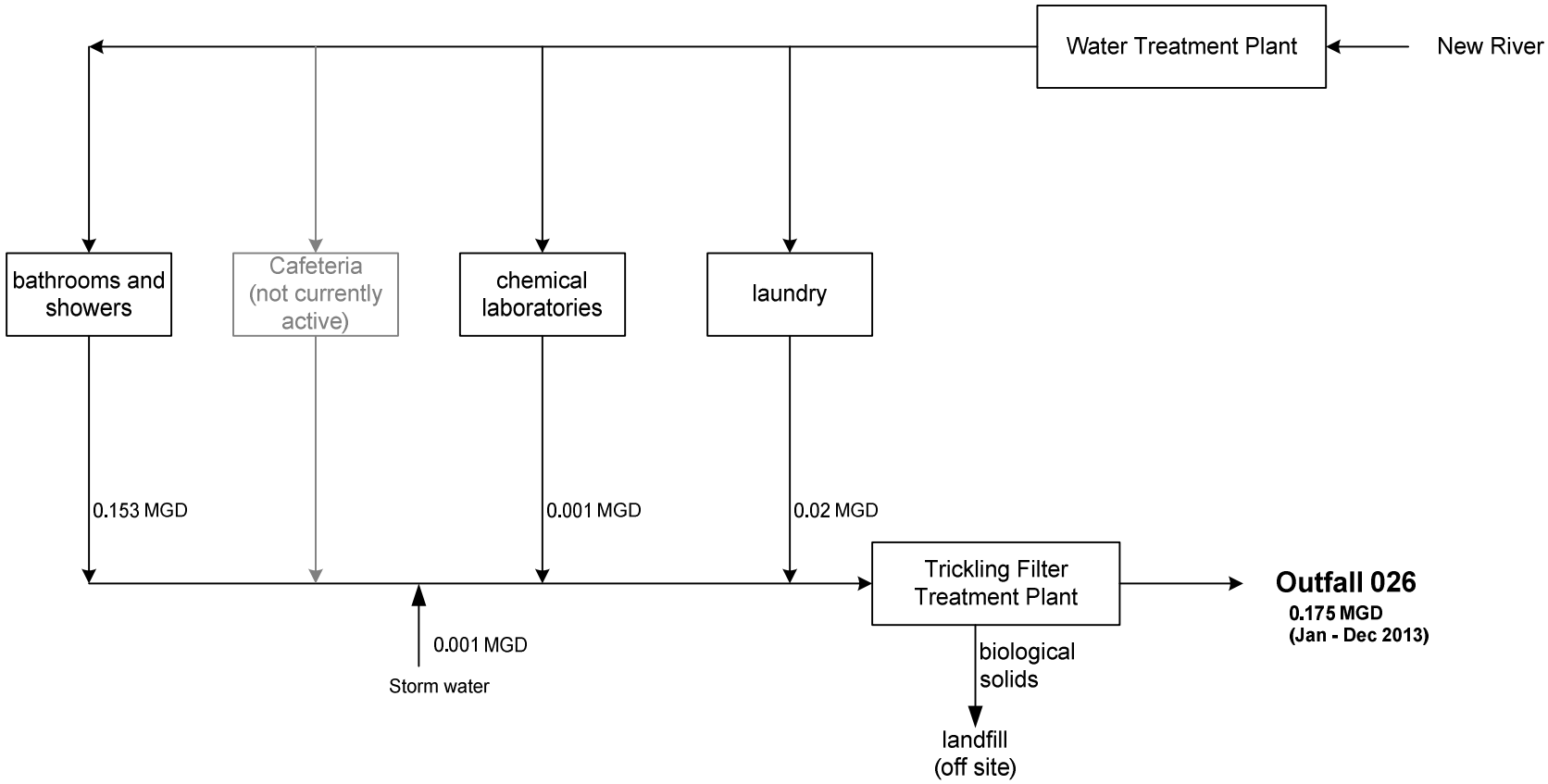
Revised 5/23/2014

Previously discharge from water treatment plant. Water treatment plant is out of service.



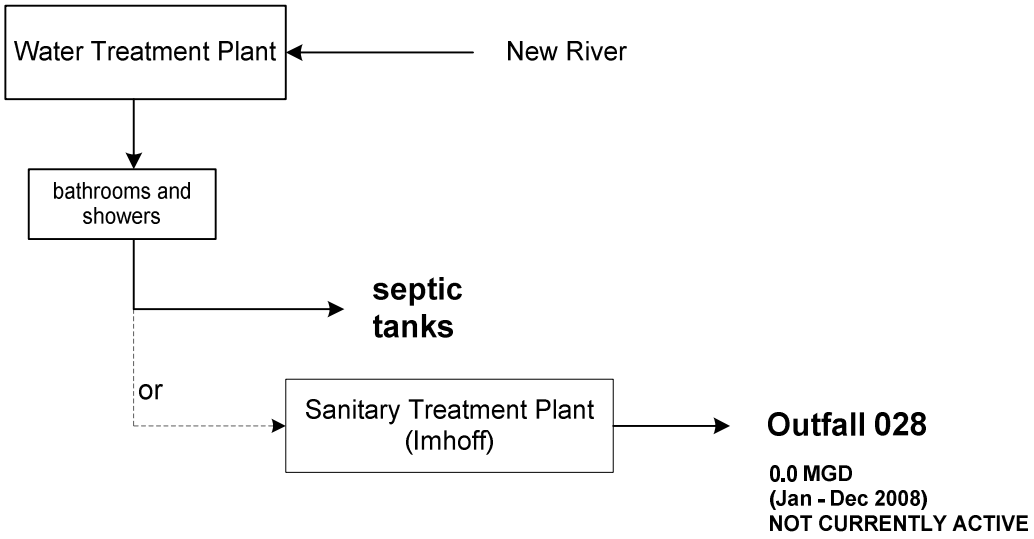
Outfall 026

Revised 06/03/2014



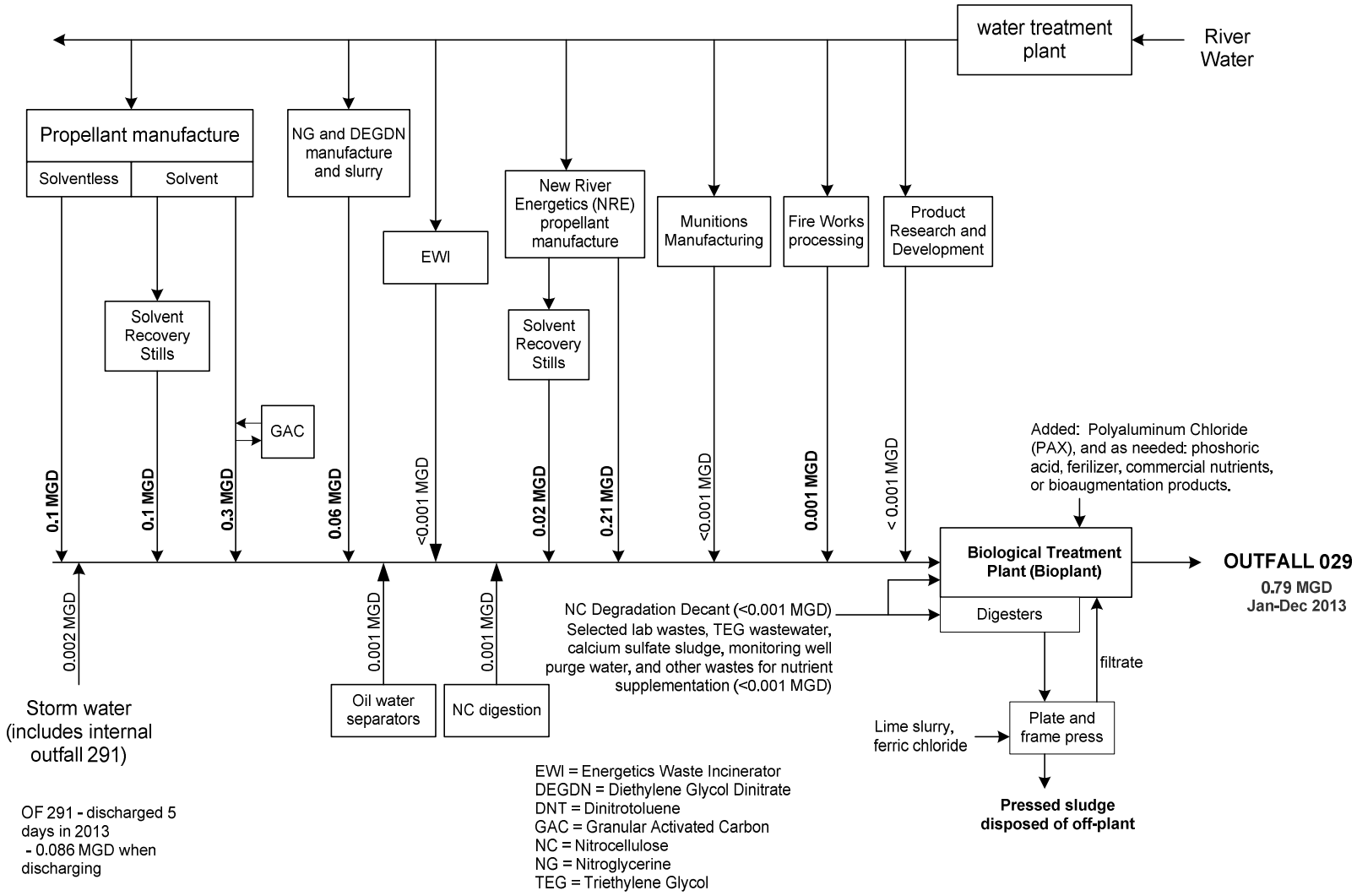
OUTFALL 028

Revised 9/2014



OUTFALL 029

Revised 06/03/2014

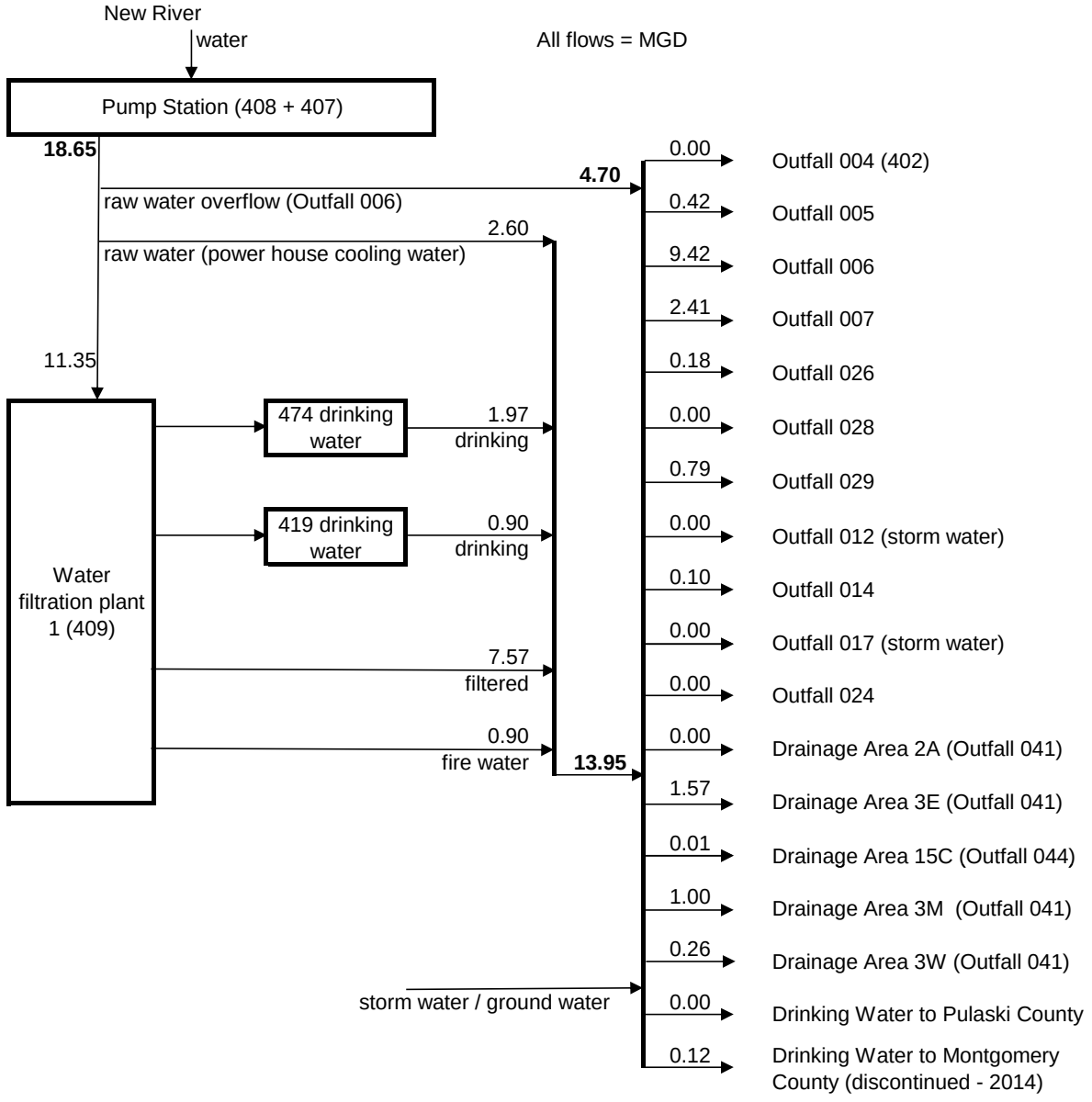


OF 291 - discharged 5 days in 2013
- 0.086 MGD when discharging

EWI = Energetics Waste Incinerator
DEGDN = Diethylene Glycol Dinitrate
DNT = Dinitrotoluene
GAC = Granular Activated Carbon
NC = Nitrocellulose
NG = Nitroglycerine
TEG = Triethylene Glycol

RFAAP Water Balance

Basis = 2013 withdrawal report



	In	Out	unaccounted for
Total	**18.65**	16.27	13%

Cooling water and Boiler water additives (revised 12/05/2014)

	Additive	Manufacturer	Use	Estimated usage rate								
1	BromMax 7.1**	Enviro Tech Chemicals, Inc	biocide					120 lb/yr				
2	CoolPro CT462**	Comfort systems water solutions	inhibitor					96 lb/yr				
3	Formula 4690**	Comfort systems water solutions	biocide - tablet	96 lb/yr	96 lb/yr	48 lb/yr						
4	Nalco 3DT288	Nalco Company	anti-scale/anti-corrosion agent							0.56 gal/d		
5	Nalco 7330	Nalco Company	biocide						2 qt/wk	1.03 gal/d		
6	Nalco 73550	Nalco Canada Co.	biodetergent							0.13 gal/d		
7	Nu-Calgon No. 90 Algaecide	Nu-Calgon Wholesaler, Inc.	biocide									
8	pHreeGuard XLP-2350	Nalco							2 qt/day			
9	Stabrex ST70	Nalco	oxidizing biocide							1.03 gal/d		
10	Smart Release 311**		inhibitor	60 lb/yr	60 lb/yr	30 lb/yr						
11	TowerBrom 960	Calgon corp.	Micro biocide						2 lbs/week			
12	CORTROL IS1050	GE Betz	Powdered oxygen scavenger								X	
13	OPTISPERSE AP0200	GE Betz	hardness sequestrant								33,000 lb/yr	
14	Solus AP24 (will replace AP0200 in 01/2015)	GE Betz	hardness sequestrant								0.1 g/l	
15	Solus MCA42 (future use)	GE Betz	water treatment									90 ppm (0.2 gpd)
16	Formula HST-VB	Water Chemistry, Inc	inhibitor	X*	X*	X*	X*					
17	Formula 23-M	Water Chemistry, Inc	biocide	X*	X*	X*	X*					
18	Formula 25-G	Water Chemistry, Inc	biocide	X*	X*	X*	X*					
19	Microbiocide 28-I	Water Chemistry, Inc	biocide	X*	X*	X*	X*					
20	Microbiocide BR-2	Water Chemistry, Inc	biocide	X*	X*	X*	X*					
21	Microbiocide 27-B	Water Chemistry, Inc	biocide	X*	X*	X*	X*					
22	Formula CWT-1	Water Chemistry, Inc	inhibitor	X*	X*	X*	X*					
			Operation >	chiller	cooling tower	cooling tower	chiller	chiller	cooling tower	cooling tower	boiler water	boiler water
			Area >	Nitrator	Solvent	NG-2	Admin bldg	multiple areas	Solvent	NAC/SAC	Power House	FEF - NRE
			Building >	3045	2600	9465, 9488	220	3522	1569	750	400	
			blowdown discharged to Outfall >	007	029	029	026	029	005	007	007	029

* biocide - rotated for effectiveness

** being phased out

Cooling water and Boiler water additives (revised 11/10/2014)

	Additive	Manufacturer	Use	Estimated usage rate							
1	BromMax 7.1	Enviro Tech Chemicals, Inc	biocide				120 lb/yr				
2	CoolPro CT462	Comfort systems water solutions	inhibitor				96 lb/yr				
3	Formula 4690	Comfort systems water solutions	biocide - tablet	96 lb/yr	96 lb/yr	48 lb/yr					
4	Nalco 3DT288	Nalco Company	anti-scale/anti-corrosion agent						0.56 gal/d		
5	Nalco 7330	Nalco Company	biocide					2 qt/wk	1.03 gal/d		
6	Nalco 73550	Nalco Canada Co.	biodetergent						0.13 gal/d		
7	Nu-Calgon No. 90 Algaecide	Nu-Calgon Wholesaler, Inc.	biocide								
8	pHreeGuard XLP-2350	Nalco						2 qt/day			
9	Stabrex ST70	Nalco	oxidizing biocide						1.03 gal/d		
10	Smart Release 311		inhibitor	60 lb/yr	60 lb/yr	30 lb/yr					
11	TowerBrom 960	Calgon corp.	Micro biocide					2 lbs/week			
12	CORTROL IS1050	GE Betz	Powdered oxygen scavenger							X	
13	OPTISPERSE AP0200	GE Betz	hardness sequestrant							33,000 lb/yr	
14	Solus AP24 (will replace AP0200 in 01/2015)	GE Betz	hardness sequestrant							0.1 g/l	
15	Solus MCA42 (future use)	GE Betz	water treatment								90 ppm (0.2 gpd)
16	Formula 61C		biocide	X*	X*	X*					
17	Formula 23M		biocide	X*	X*	X*					
18	Formula 25G		biocide	X*	X*	X*					
19	Formula 28I		biocide	X*	X*	X*					
			Operation >	chiller	cooling tower	cooling tower	chiller	cooling tower	cooling tower	boiler water	boiler water
			Area >	Nitrator	Solvent	NG-2	multiple areas	Solvent	NAC/SAC	Power House	FEF - NRE
			Building >	3045	2600	9465, 9488	3522	1569	750	400	

* biocide in use rotated for effectiveness

blowdown discharged to Outfall >	007	029	029	029	005	007	007	029

MIXING ZONE REVIEW

Radford Army Ammunition Plant's (RFAAP) current VPDES permit (VPDES Permit No. 0000248) includes the following as a special condition:

Part I. C. 20. Thermal Mixing Zones
The application for reissuance of this permit shall state whether conditions used as a basis for thermal mixing zones have changed. Any changes should be explained and quantified, if possible.

Thermal mixing zones were used to set thermal limits at outfalls 005, 006, and 029 and temperature limits at outfall 007.

Thermal limits for Outfall 005, 006, and 029 were based on results contained in the report Mixing Zone Study No. 32-EE-3008-96 Quarterly Temperature Mixing Zone Studies Radford Army Ammunition Plant, Radford, Virginia June 1995 – June 1996 conducted by the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM). This report concluded:

"The mixing zones were generally small and had little temperature impact on the New River as a whole. The benthic macroinvertebrate population below outfall 006 had more taxa, more individuals, and higher diversity 3 out of the past 4 years in the monitoring studies conducted each September (low flow period following highest water temperatures). This indicates the outfall is not adversely impacting the in-situ fauna in the New River."

This conclusion was based on temperature measurements in the river from June 1995 to June 1996. Discharges from outfall 005, 006, and 029 have not changed significantly in either flow rate or source of wastewater since 1995. RFAAP believes these studies to be representative of current discharges from these outfalls.

Temperature limits for Outfall 007 were based on CORMIX modeling submitted to DEQ in March 22, 2001. A discharge flow of 8 MGD (design capacity) was used in this modeling. This flow exceeds present flow and is still representative of this outfall. Inputs to the modeling included the 7Q10 flow (for 1929 through 1993) for the New River and the 90th percentile River Temperature provided in the fact sheet for the permit beginning in 1999. Radford does not have current values for these parameters but does not believe these values have changed significantly in recent years.

Conditions used as a basis for thermal mixing zones in the current VPDES permit have not changed since its issuance.

Average Daily Flows (As required by the VPDES permit special condition 21.)

Part I.C. 21

"**OCPSF Flows** - The permittee shall monitor process wastewater flows applicable to the Organic Chemicals, Plastics and Synthetic Fibers effluent. A report of the monthly OCPSF flows shall be submitted to the West Central Regional Office with the application for reissuance "

	Outfall 029 (BIOPLANT)							Outfall 007 (AB Waste Acid Treatment Plant)		
Year	Bioplant Flow, gal/day		Total Stills, gal/day	Total NG, gal/day	TNT, gal/day	**OCPSF Flow (029), gal/day**	Non-OCPSF flow (029), gal/day	AB Waste Acid Flow	**OCPSF Process Water Flow, gal/day**	non-OCPSF Cooling Water Flow, gal/day
2009	1,061,877		75,645	66,787	5,375	914,069	147,808	4,277,729	2,217,710	2,060,019
2010	905,224		100,000	79,567	3,698	616,479	288,745	4,172,295	2,241,574	1,930,722
2011	1,048,894		100,000	96,093	4,329	643,959	404,935	3,888,941	1,908,216	1,980,725
2012	717,468		148,195	76,704	3,284	435,390	282,078	3,134,908	1,496,901	1,638,008
2013	787,648		100,000	97,625	1,510	441,742	345,906	2,419,352	1,720,408	698,944
Average			112,049	87,497		534,392			1,916,962	
2010 permit basis			110,000	61,000		856,000			2,562,000	
Month	Bioplant Flow, gal/day		Total Stills, gal/day	Total NG, gal/day	TNT, gal/day	**OCPSF Flow (029), gal/day**	Non-OCPSF flow (029), gal/day	AB Waste Acid Flow	**OCPSF Process Water Flow, gal/day**	non-OCPSF Cooling Water Flow, gal/day
Jan-09	1,143,765		73,813	72,687	5,754	991,510	152,255	4,373,387	2,221,201	2,152,186
Feb-09	979,988		77,477	60,887	4,996	836,628	143,360	4,182,071	2,214,219	1,967,852
Mar-09	1,028,401		82,193	63,734	0	882,473	145,928	4,121,774	2,113,565	2,008,209
Apr-09	886,130		80,306	89,806	10,375	705,643	180,487	3,939,833	2,311,725	1,628,108
May-09	892,147		70,243	95,847	4,698	721,360	170,787	4,261,419	2,138,158	2,123,262
Jun-09	883,697		104,952	85,192	11,790	681,763	201,934	3,476,800	1,877,718	1,599,082
Jul-09	676,833		173,259	69,636	0	433,938	242,895	3,552,871	1,848,721	1,704,150
Aug-09	770,045		201,209	87,572	5,106	476,158	293,887	3,288,726	2,303,793	984,933
Sep-09	650,196		184,906	80,903	3,019	381,369	268,827	3,518,000	2,302,861	1,215,139
Oct-09	748,535		166,657	103,361	2,116	476,401	272,134	3,090,968	2,215,640	875,327
Nov-09	925,271		219,083	91,349	6,942	607,897	317,374	3,516,300	2,218,586	1,297,714
Dec-09	1,082,237		196,778	85,817	3,820	795,822	286,415	2,815,677	1,802,331	1,013,347

Month	Bioplant Flow, gal/day		Total Stills, gal/day	Total NG, gal/day	TNT, gal/day	**OCPSF Flow (029), gal/day**	Non-OCPSF flow (029), gal/day	AB Waste Acid Flow	**OCPSF Process Water Flow, gal/day**	non-OCPSF Cooling Water Flow, gal/day
Jan-10	1,127,334		100,000	65,778	13,233	816,734	310,600	3,449,000	1,940,543	1,508,457
Feb-10	1,283,815		100,000	58,454	2,564	970,459	313,355	4,646,286	2,262,073	2,384,213
Mar-10	1,027,781		100,000	65,172	6,148	849,648	178,133	5,181,297	2,312,060	2,869,237
Apr-10	757,636		100,000	66,988	4,395	463,958	293,677	4,693,000	2,179,754	2,513,246
May-10	755,847		100,000	81,717	0	463,905	291,943	3,751,871	2,551,027	1,200,844
Jun-10	820,930		100,000	100,720	0	504,575	316,355	4,341,200	2,831,404	1,509,796
Jul-10	742,142		100,000	84,681	6,712	440,885	301,257	3,841,129	2,075,101	1,766,028
Aug-10	812,166		100,000	89,154	3,176	610,690	201,477	4,058,032	2,442,381	1,615,651
Sep-10	811,719		100,000	83,133	1,982	476,302	335,417	4,524,467	2,406,097	2,118,370
Oct-10	775,425		100,000	90,745	0	456,310	319,114	4,458,355	2,039,082	2,419,273
Nov-10	808,683		100,000	80,994	6,162	501,884	306,799	3,640,100	2,043,162	1,596,938
Dec-10	1,139,206		100,000	87,272	0	842,394	296,812	3,482,806	1,816,202	1,666,604
Jan-11	1,230,188		100,000	93,614	0	904,832	325,356	3,721,258	2,191,544	1,529,714
Feb-11	1,121,625		100,000	82,701	0	789,405	332,220	4,153,393	2,275,194	1,878,199
Mar-11	1,307,842		100,000	78,476	9,889	956,417	351,425	3,600,516	1,758,941	1,841,575
Apr-11	1,139,241		100,000	90,967	0	776,733	362,508	3,583,240	1,862,846	1,720,394
May-11	1,047,612		100,000	114,008	5,212	683,596	364,016	3,591,935	1,927,876	1,664,059
Jun-11	906,413		100,000	115,389	24,958	449,666	456,747	4,235,433	1,892,605	2,342,829
Jul-11	895,438		100,000	105,208	0	461,728	433,710	3,569,290	1,342,441	2,226,849
Aug-11	906,192		100,000	90,745	5,373	314,152	592,040	3,786,774	2,018,113	1,768,661
Sep-11	959,324		100,000	99,473	0	410,896	548,428	4,051,767	1,893,057	2,158,710
Oct-11	803,526		100,000	93,284	6,515	333,854	469,672	3,818,677	1,963,767	1,854,910
Nov-11	961,088		100,000	90,222	0	558,644	402,444	4,440,100	1,870,850	2,569,250
Dec-11	1,308,239		100,000	99,033	0	1,087,581	220,657	4,114,903	1,901,353	2,213,550
Jan-12	1,483,729		100,000	85,808	5,632	1,256,529	227,201	3,817,258	1,717,190	2,100,068
Feb-12	1,261,605		100,000	114,163	0	1,006,722	254,883	4,253,793	1,961,459	2,292,334
Mar-12	1,174,206		171,910	117,135	0	841,983	332,222	3,888,258	1,884,506	2,003,752
Apr-12	719,663		231,070	77,721	8,130	357,453	362,210	3,916,667	1,522,076	2,394,591
May-12	694,918		284,110	82,893	10,276	269,888	425,030	4,959,581	1,943,945	3,015,635
Jun-12	535,407		242,800	65,688	9,633	165,717	369,690	3,553,033	1,592,369	1,960,665

Month	Bioplant Flow, gal/day		Total Stills, gal/day	Total NG, gal/day	TNT, gal/day	**OCPSF Flow (029), gal/day**	Non-OCPSF flow (029), gal/day
Jul-12	386,307		100,000	39,652	0	191,434	194,873
Aug-12	399,723		100,000	29,468	5,739	206,892	192,831
Sep-12	378,725		132,640	54,624	0	131,658	247,067
Oct-12	468,309		115,810	80,842	0	209,870	258,439
Nov-12	549,067		100,000	92,825	0	292,472	256,595
Dec-12	557,953		100,000	79,626	0	294,060	263,893
Jan-13	924,215		100,000	77,595	0	629,523	294,692
Feb-13	922,993		100,000	88,164	0	622,185	300,808
Mar-13	857,468		100,000	92,120	0	502,917	354,552
Apr-13	746,160		100,000	90,481	0	396,537	349,623
May-13	710,466		100,000	105,605	0	355,940	354,526
Jun-13	750,589		100,000	99,701	6,251	393,960	356,629
Jul-13	816,426		100,000	81,894	6,002	450,256	366,170
Aug-13	676,024		100,000	110,125	5,862	317,494	358,530
Sep-13	667,386		100,000	103,580	0	327,180	340,206
Oct-13	765,191		100,000	117,814	0	395,890	369,301
Nov-13	742,075		100,000	108,062	0	389,432	352,643
Dec-13	872,785		100,000	96,363	0	519,590	353,196

AB Waste Acid Flow	**OCPSF Process Water Flow, gal/day**	non-OCPSF Cooling Water Flow, gal/day
1,816,387	758,573	1,057,814
2,233,677	922,990	1,310,687
2,791,000	1,302,682	1,488,318
2,335,226	1,441,724	893,501
2,059,567	1,504,994	554,572
1,994,452	1,410,299	584,152
2,351,903	1,564,882	787,021
2,596,250	1,826,790	769,460
2,560,613	1,784,803	775,809
2,402,367	1,789,694	612,672
2,659,226	1,935,046	724,179
2,450,133	1,766,389	683,744
2,251,419	1,467,462	783,958
2,944,645	1,961,638	983,007
2,174,267	1,594,611	579,656
2,242,484	1,795,348	447,135
2,202,367	1,631,042	571,325
2,196,548	1,527,187	669,361

reviewed 10/2014

OIL/WATER SEPARATORS

Number on drainage drawing	Building number	Status	Area	Building operation	Operation producing oily water	Drains to
1	~~9354~~	***standby***	4th roll powder	compressor house	pump leaks (in event of a spill)	Bioplant (outfall 029)
2	9388		near 4th roll powder	river garage	steam cleaning vehicles and equipment, rain runoff	pumped and discharged through Bldg 2570 OWS
3	7220		near roads and grounds	refueling station	rain runoff	depressed area SW of outfall 3H
4	~~3686~~	***standby***	C-line	blocking press house	pump leaks (in event of a spill)	Bioplant (outfall 029)
5	~~3685~~	***standby***	C-line	blocking press house	pump leaks (in event of a spill)	Bioplant (outfall 029)
6	~~3684~~	***standby***	C-line	hydraulic pump house	pump leaks (in event of a spill)	Bioplant (outfall 029)
7	3682		C-line	preblocker	pump leaks (in event of a spill)	Bioplant (outfall 029)
8	3681		C-line	preblocker	pump leaks (in event of a spill)	Bioplant (outfall 029)
9	3521		C-line	hydraulic station	pump leaks (in event of a spill)	Bioplant (outfall 029)
10	**2570**		C-line	vehicle cleaning station	wash water, also transported by truck: oily condensate from compressors, miscellaneous oily water sources on plant such as elevator shafts, dikes, and collection pits (i.e. catch tanks)	Bioplant (outfall 029)
11	~~2521~~	***standby***	B-line	hydraulic station	pump leaks (in event of a spill)	Bioplant (outfall 029)
12	1521	NRE	A-line	hydraulic station	pump leaks (in event of a spill)	Bioplant (outfall 029)
13	700		acid area	compressor house	compressor leaks or spills	no discharge - pumped when needed
14	501		locomotive shop	locomotive shop	leaks or spills from maintenance	no discharge - pumped when needed
15	244		main garage	garage	steam cleaning vehicles	Sanitary treatment (outfall 026)
16	~~241-1~~	***standby***	red ball			

Significantly Similar Storm Water Discharges

RFAAP storm water outfalls contain drainage areas according to significantly similar groupings. The groupings are listed below.

Outfall	Drainage areas	Description
041	All not listed elsewhere	Propellant and Munitions Manufacturing
044	5Z, 15C, **15A**	Propellant testing areas
050	11A and 12A	Landfills
054	16A	Roads and Grounds area

Note that Drainage Area 15A has been added to Outfall 044 for propellant testing areas. A tenant (Pyrotechnique by Grucci) conducts ballistics testing in this drainage area.

Solid Waste Management Unit Status

		Addressed Under Other Program	Alt SSP	SSP	RFI/CMS	IM	Final Action			
Location	Description		CAUE				LTM	MNA	LUC/IC	NFA
SWMUs										
SWMU 6	Acid Wastewater Lagoon			●						●
SWMU 8	CaSO4 Treatment/Disposal Area			●						●
SWMU 9	CaSO4 Treatment/Disposal Area		AW							●
SWMU 13	Area Outside OBG			●	●				●	●
SWMU 17	Air Curtain Destructor and Open Burning (Active)									●
SWMU 31	Ground Coal Ash Settling Lagoons				●					●
SWMU 35	CaSO4 Treatment/Disposal Area			●	●					●
SWMU 36	CaSO4 Drying Bed			●						●
SWMU 37	CaSO4 Treatment/Disposal Area			●	●					●
SWMU 38	CaSO4 Treatment/Disposal Area			●	●					●
SWMU 39	Wastewater Ponds from Propellant Incinerator				●	●				●
SWMU 40	Landfill Nitro Area				●	●	●		●	
SWMU 41-a	Red Water Ash Burial Ground				●					●
SWMU 41-b	Red Water Ash Burial Ground								●	
SWMU 43	Sanitary Landfill #2				●				●	●
SWMU 45	Landfill #3			●	●				●	●
SWMU 46	Propellant Burial			●						●
SWMU 48	Oily Water Burial Area				●	●				
SWMU 49	Red Water Ash Burial #2				●			○	●	
SWMU 50	CaSO4 Treatment/Disposal Area				●					●
SWMU 51	TNT Waste Neutralization Pits				●	●			●	●
SWMU 54	Propellant Burning Ash Disposal Area				●	●	○	○		
SWMU 57	Pond by Building 4931/4932			●	●	●				
SWMU 58	Rubble Pile				●					●
SWMU 59	Bottom Ash Pile				●					●
SWMU 61	Mobile Waste Oil Tanks		AU							●
SWMU 68	Chromic Acid Treatment Plant Tanks			●						●
SWMU 69	Pond by Chromic Acid Treatment Plant Tanks			●						●
SWMU 71	Flash Burn Parts Area				●					●

Solid Waste Management Unit Status

		Addressed Under Other Program	Alt SSP	SSP	RFI/CMS	IM	Final Action			
Location	Description		CAUE				LTM	MNA	LUC/IC	NFA
SWMU 75	Waste Oil Underground Storage Tanks (Inert Gas Plant)			●						●
SWMU 76	Waste Oil Underground Storage Tanks			●						●
AOCs										
AOC A	Nitrocellulose Rainwater Ditch			●	●					●
AOC F	Former Drum Storage Area			●						●
AOC O	Underground Fuel Oil Spill				●					●
AOC P	Battery Storage Area				●					●
AOC Q	CaSO4 Treatment/Disposal Area			●	●					●
AOC Bldg 43	Former Cadmium Plating Facility				●	●				●
AOC FLFA	Former Lead Furnace Area				●	●				●
RFAAP - 047	Buildings 1549,1041,1034				●					●
	Army Reserve Small Arms Range				●	●			●	●
SSAs										
SSA 2	TNT Wastewater Equalization Basin (Active)	○	TNT							●
SSA 3	TNT Wastewater Treatment Unit (Active)	○	TNT							●
SSA 11	Nitroglycerin 1 Pretreatment Plant (Active)	○	NG							●
SSA 12	Nitroglycerin 2 Pretreatment Plant (Active)	○	NG							●
SSA-18	Sulfuric Acid Recovery Plant - Waste Acid Treatment			●						●
SSA 19	The A-B Line Acidic Wastewater Treatment Plant (Active	○	EU							●
SSA 20	C Line Acidic Wastewater Treatment Plant	○	EU							●
SSA 21	Continuous Automated Single-Base Line		EU							●
SSA 22	Wastewater Holding Lagoons		RA							●
SSA 23	Wastewater Holding Lagoons		RA							●
SSA 24	Wastewater Holding Lagoons		RA							●
SSA 25	Wastewater Holding Lagoons		RA							●
SSA30	Asbestos Disposal Trench No. 1			●					●	●
SSA 33	Treatment Plant for Solids from Wastewater Treatment	○	EU							●
SSA 34	Treatment Plant for Solids from Wastewater Treatment	○	EU							●
SSA 55	Sewage Treatment Plant (Northeast Section) (Active)	○	EU							●

Solid Waste Management Unit Status

		Addressed Under Other Program	Alt SSP	SSP	RFI/CMS	IM	Final Action			
Location	Description		CAUE				LTM	MNA	LUC/IC	NFA
SSA 56	Sewage Treatment Plant (Northwest Section) (Active)	○	EU							●
SSA 60	Rubble Pile East of Administration Building			●						●
SSA 63	C-Line Boiling Tub House Settling Pits (Active)	○	AW							●
SSA 64	Nitrocellulose C-Line Collection Sump (Active)	○	AW							●
SSA 65	Nitrocellulose A-B Line Acidic Water Settling Pits (Active)	○	AW							●
SSA 66	Nitrocellulose A-B Line Neutral Water Settling Pits (Activ	○	AW							●
SSA 67	Main Acid Sewer Sumps (Active)	○	AW							●
SSA 70	Heavy Equipment Maintenance Shop Tractor Steam Cleaning Area		AU							●
SSA 72	Oleam Plant Acidic Wastewater Sump			●					●	●
SSA 73	Main Lab Waste Container Storage Area (Active)	○	EU							●
SSA 77	Garbage Incinerator			●					●	●
SSA 78	Rubble Pile Southwest of Unit 51	○	EU							●
SSA 79	Asbestos Disposal Trench No. 2			●					●	●
SSA 80	Drainage Ditch for C-Line Wastewater Treatment and Pla	○	AU							●
SSA 81	Red Water Treatment Plant (Active)	○	TNT							●
MUs										
MU-1	Sewer Systems (submitted 1/2003)		EU							●
MU-2	Drainage Ditches (including tributaries of Stroubles Cree	●	TNT							●
MU-3	Abandoned Building at Increment Area No. 3		EU							●
MU-4	TNT/DNT Plant Area (Active)		TNT							●
MU-5	Nitroglycerin Facility (Active)		NG							●
MU-6	Oleam Plant Area		EU							●
MU-7	Buildings / Demolishion Debris with exposed red conductive flooring material		EU							●
MU-8	Automated Single Base Area		EU							●
MU-9	Suspect Discarded Munitions along New River		EU							●
VDEQ										
SWMU 10	Bio-Plant Basin	●								
SWMU 26	Fly Ash Landfill #1	●								
SWMU 27	CaSO4 Treatment/Disposal Area	●								
SWMU 28	Closed Sanitary Landfill	●								

Solid Waste Management Unit Status

		Addressed Under Other Program	Alt SSP	SSP	RFI/CMS	IM	Final Action			
Location	Description		CAUE				LTM	MNA	LUC/IC	NFA
SWMU 29	Fly Ash Landfill #2	●								
SWMU 32	Inert Landfill #1	●								
SWMU 52	Closed Sanitary Landfill	●								
SWMU 53	Activated Carbon Disposal Area	●								
SWMU 74	Inert Landfill #3 (Active)	●								
HWMU 4	Surface Impoundment #4	●								●
HWMU 5	Surface Impoundment #5	●						●		
HWMU 7	Surface Impoundment #7	●								●
HWMU 13	Waste Propellant Burning Ground	●								
HWMU 16	Hazardous Waste Landfill	●								
HWMU 39	Incinerator Spray Pond adjacent to SWMU 39	●								
Operating U	Hazardous Waste Incinerator	●								

Notes:

SWMU = Solid Waste Management Unit

AOC = Area of Concern

SSA = Site Screening Area

MU = Miscellaneous Unit

HWMU = Hazardous Waste Management Unit

(Active) = Site Currently Active

VDEQ = SWMU/AOC is related by Virginia Department of Environmental Quality under its Hazardous Waste Regualtions.

Cleanup of these SWMUs/HWMUs (if necessary) will be coordinated by both EPA and VDEQ.

SSP = Site Screening Process

RFI/CMS = RCRA Facility Investigation/Corrective Measures Study

IM WP = Interim Measures Workplan

LTM = Long-Term Monitoring

MNA = Monitored Natural Attenuation

LUC = Land Use Controls

NFA = No Further Action

1 = Site regulated under other program (i.e., VPDES, SDWA, etc.) see Attachment A list for sp

○ = Underway

● = Action Complete

CAUE = Corrective Action Unit Evaluation

EU = Excempt Units CAUE (submitted to EPA on 4/8/2010)

AW = Acidic Wastwater CAUE (submitted to EPA on 4/15/2010)

RA = Rocket Area CAUE (submitted to EPA on 5/15/2010

TNT = TNT Area CAUE (submitted to EPA on 7/9/2010)

NG = Niitroglycerin Areas CAUE (submitted to EPA on 8/9/2010)

AU = Assorted Units CAUE (submitted to EPA on 8/16/2010)

VPDES Sewage Sludge Permit Application for Permit Reissuance

Instructions

WHO MUST SUBMIT THE APPLICATION - All facilities with a current VPDES Permit that authorizes the discharge of treated sewage wastewater that are applying for reissuance must complete and submit this application.
Part 1 is general information to be provided by all facilities.
Part 2 must be completed by all facilities that generate Class A or Class B biosolids that are land applied.
Part 3 must be completed by all facilities that land apply Class B biosolids.

Part 1 – Sludge Disposal Management (To be completed by all facilities)

Facility Name: Radford Army Ammunition Plant **VPDES Permit No:** VA0000248

1. Shipment Off Site for Treatment or Blending

Is sewage sludge from your facility sent to another facility that provides treatment or blending? ☐ Yes ☒ No

If you send sewage sludge to more than one facility, attach additional sheets as necessary.

Shipment off site is: ☐ The primary method of sludge disposal ☐ A back up method of sludge disposal

a. Receiving Facility Name _____

b. Receiving Facility VPDES Permit No. _____

c. Include an acceptance letter from the Receiving Facility.

d. Receiving Facility's ultimate disposal method for sewage sludge _____

2. Disposal in a Municipal Solid Waste Landfill

Is sewage sludge from your facility placed in a municipal solid waste landfill? ☒ Yes ☐ No

If sewage sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary.

Landfilling is: ☒ The primary method of sludge disposal ☐ A back up method of sludge disposal

a. Landfill Name New River Resource Authority (last disposal June 2011) (future waste profile required for approval)

b. Landfill Permit No. VDEQ ID 548

c. Include an acceptance letter from the landfill.

3. Incineration

Is sewage sludge from your facility fired in a sewage sludge incinerator? ☐ Yes ☒ No

Incineration is: ☐ The primary method of sludge disposal ☐ A back up method of sludge disposal

a. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? ☐ Yes ☐ No

If yes, provide the Air Registration No. _____

If no, complete items b - d for each incinerator that you do not own or operate.

b. Facility Name _____

c. Air Registration No. _____

d. Include an acceptance letter from the Incinerator.

4. Class A Biosolids

Do you produce Class A biosolids for land application or distribution and marketing? If yes, complete Part 2. ☐ Yes ☒ No

Are Class A biosolids from your facility land applied in bulk? ☐ Yes ☐ No

Do you sell or give away Class A biosolids in a bag or other container for application to the land? If yes, provide the VDACS certification number? _____ ☐ Yes ☐ No

5. Class B Biosolids

Do you produce Class B biosolids? If yes, complete Part 2. ☐ *Yes* ☒ *No*

Are Class B biosolids from your facility land applied land applied under the authorization of this VPDES Permit? If yes, complete Part 3. ☐ *Yes* ☐ *No*

6. Land Application Under a Separate Permit

Are biosolids from your facility land applied under the authorization of a permit other than your VPDES Permit? ☐ Yes ☒ No

Biosolids are land applied under the authorization of a ☐ VPA permit ☐ Another VPDES Permit ☐ Out of State

Complete items a - c for each VPA permit authorized to land apply biosolids from your facility.

a. Permittee Name _____ b. Permit No. _____

_____ _____

c. Include copy of any information you provide to the Receiving VPDES or VPA Permittee to comply with the "notice and necessary information" requirement of 9VAC25-31-530 F.

VPDES Sewage Sludge Permit Application for Permit Reissuance

Part 2 – Biosolids Characterization (To be completed by all facilities that generate biosolids that are land applied.)

1. Have there been changes to sludge treatment processes or storage facilities since the previous permit issuance/reissuance? ☐ Yes ☐ No
2. Do the biosolids generated under this permit that will be land applied meet one of the Class A pathogen requirements in 9VAC25-31-710 A 3 through A 8 or Class B pathogen requirements in 9VAC25-31-710 B 1 through B 4? ☐ Yes ☐ No

   Identify the pathogen reduction option utilized to demonstrate compliance with the pathogen reductions requirements and provide the data that demonstrate compliance with the applicable alternative. _____
3. Do the biosolids generated under this permit that will be land applied meet one of the vector attraction reduction requirements in 9VAC25-31-720 B 1 through B 10? ☐ Yes ☐ No

   Identify the vector attraction reduction option utilized to demonstrate compliance with the vector attraction reductions requirements and provide the data that demonstrate compliance with the applicable alternative. _____
4. Do the biosolids to be land applied meet the ceiling/pollutant concentrations in 9VAC25-31-540 B? ☐ Yes ☐ No
5. Has data from the most recent 3 samples for pH (S.U.), Percent Solids (%), Ammonium Nitrogen (mg/kg), Nitrate Nitrogen (mg/kg), Total Kjeldahl Nitrogen (mg/kg), Total Phosphorus (mg/kg), Total Potassium (mg/kg), Alkalinity as $CaCO_3$ (mg/kg), Arsenic (mg/kg), Cadmium (mg/kg), Copper (mg/kg), Lead (mg/kg), Mercury (mg/kg), Nickel (mg/kg), Selenium (mg/kg), Zinc (mg/kg) been submitted to DEQ? The samples shall be no more than 4½ years old and each sampling date shall be at least 1 month apart. ☐ Yes ☐ No

   If no, provide the data with this application.

Part 3 – Land Application of Class B Biosolids (To be completed by all facilities that land apply Class B biosolids.)

1. Provide to DEQ and to each locality in which biosolids are to be land applied, written evidence of financial responsibility. Evidence of financial responsibility shall be provided in accordance with 9VAC25-31-100 P 9.
2. For each site, provide a properly completed landowner agreement for each landowner, using the most current Land Application Agreement - Biosolids Form (VPDES Sewage Sludge Permit Application Form – Attachment to Section C).
3. Are any new land application fields proposed at this reissuance? ☐ Yes ☐ No

   If yes, contact the DEQ Regional Office for additional submittal requirements.
4. For the currently permitted land application fields, are the previously submitted site booklets, maps and acreage accurate. ☐ Yes ☐ No

   If no, contact the DEQ Regional Office for additional submittal requirements.
5. Does the facility's Biosolids Management Plan on file with DEQ include the following minimum information? ☐ Yes ☐ No
   a. An odor control plan that addresses the abatement of odors resulting from the storage and/or land application of biosolids.
   b. A description of the transport vehicles to be used.
   c. Procedures for biosolids offloading at the land application site including spill prevention, cleanup (including vehicle cleaning), field reclamation, and emergency notification and cleanup measures.
   d. A description of the land application equipment including procedures for calibrating equipment to ensure uniform distribution and appropriate loading rates.
   e. Procedures used to ensure that land application activities address notification requirements, signage requirements, slope restrictions, operation limitations during periods of inclement weather, soil pH requirements, buffer zone requirements, and site restrictions.
   f. Any other information necessary to ensure compliance with the requirements of the Biosolids Program of the VPDES Permit Regulation (9VAC25-31-420 through 720).

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 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.

Name and Official Title: Luis A. Ortiz, LTC, US Army and William Barnett, General Manager

Signature: _____ _____

Telephone number / Email: (540) 639-7631 / william.m.barnett@baesystems

Date signed: 18 Nov 14

(Based on a review of this information, it may be necessary to submit additional information to meet other legal or technical review requirements.)