



## Flat Rolled Products

Trentwood Works

March 1, 2021

Mr. Pat Hallinan  
Department of Ecology  
4601 N Monroe  
Spokane, WA 99205

RE: NPDES Permit Renewal Application  
Permit No. WA0000892

Dear Mr. Hallinan:

Enclosed please find the NPDES Permit Renewal Application for Kaiser Aluminum Washington's Trentwood Works.

- Form 2C Data Packages

These forms contain the results of the single sample taken as required by the renewal application instructions. In addition, data summaries for each parameter measured during the current permit cycle (January 2015 to December 2020) are also included for Outfall 001, Outfall 003, and Outfall 006. PCB data (EPA Method 1668) for all of 2020 is not yet been received from the laboratory and as such has not been included.

- Radioactivity Data

Results for radioactivity (Table C) for Outfall 001, Outfall 003, and Outfall 006 are currently pending from the contract laboratory. Results are expected by approximately mid-March and will be provided at that time.


If you have any questions related to our permit renewal application, please feel free to contact Brent Downey, Environmental Affairs Manager, at (509) 927-6219.

Sincerely,

Scott Endres  
Vice President

cc: Brent Downey - Kaiser

PO Box 15108  
Spokane Valley, WA 99215

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Form Approved 03/05/19 OMB No. 2040-0004	
Form 1 NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater <b>GENERAL INFORMATION</b>		
<b>SECTION 1. ACTIVITIES REQUIRING AN NPDES PERMIT (40 CFR 122.21(f) and (f)(1))</b>				
Activities Requiring an NPDES Permit	1.1	<b>Applicants <i>Not Required</i> to Submit Form 1</b>		
	1.1.1	Is the facility a new or existing <b>publicly owned treatment works</b> ? If yes, STOP. Do NOT complete Form 1. Complete Form 2A. <div style="text-align: right;"> <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No         </div>	1.1.2	Is the facility a new or existing <b>treatment works treating domestic sewage</b> ? If yes, STOP. Do NOT complete Form 1. Complete Form 2S. <div style="text-align: right;"> <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No         </div>
	1.2	<b>Applicants <i>Required</i> to Submit Form 1</b>		
	1.2.1	Is the facility a <b>concentrated animal feeding operation</b> or a <b>concentrated aquatic animal production facility</b> ? <input type="checkbox"/> Yes → Complete Form 1 and Form 2B. <input checked="" type="checkbox"/> No	1.2.2	Is the facility an <b>existing</b> manufacturing, commercial, mining, or silvicultural <b>facility</b> that is <b>currently discharging process wastewater</b> ? <input checked="" type="checkbox"/> Yes → Complete Form 1 and Form 2C. <input type="checkbox"/> No
	1.2.3	Is the facility a <b>new</b> manufacturing, commercial, mining, or silvicultural <b>facility</b> that has <b>not yet commenced to discharge</b> ? <input type="checkbox"/> Yes → Complete Form 1 and Form 2D. <input checked="" type="checkbox"/> No	1.2.4	Is the facility a <b>new or existing</b> manufacturing, commercial, mining, or silvicultural <b>facility</b> that <b>discharges only nonprocess wastewater</b> ? <input type="checkbox"/> Yes → Complete Form 1 and Form 2E. <input checked="" type="checkbox"/> No
	1.2.5	Is the facility a <b>new or existing facility</b> whose discharge is composed entirely of <b>stormwater associated with industrial activity</b> or whose discharge is composed of <b>both stormwater and non-stormwater</b> ? <input type="checkbox"/> Yes → Complete Form 1 and Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15). <input checked="" type="checkbox"/> No		
<b>SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(f)(2))</b>				
Name, Mailing Address, and Location	2.1	<b>Facility Name</b> Kaiser Aluminum Washington, LLC		
	2.2	<b>EPA Identification Number</b> 110049832491		
	2.3	<b>Facility Contact</b>		
		Name (first and last) Brent Downey	Title Environmental Affairs Manager	Phone number (509) 927-6219
		Email address brent.downey@kaisertwd.com		
	2.4	<b>Facility Mailing Address</b>		
	Street or P.O. box PO Box 15108			
	City or town Spokane Valley	State WA	ZIP code 99215-5108	

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EPA Identification Number 110049832491		NPDES Permit Number WA0000892		Facility Name Kaiser Aluminum Washington		Form Approved 03/05/19 OMB No. 2040-0004	
<b>SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(f)(6))</b>							
Existing Environmental Permits	6.1	<b>Existing Environmental Permits</b> (check all that apply and print or type the corresponding permit number for each)					
		<input checked="" type="checkbox"/> NPDES (discharges to surface water) WA0000892	<input type="checkbox"/> RCRA (hazardous wastes)	<input type="checkbox"/> UIC (underground injection of fluids)			
		<input type="checkbox"/> PSD (air emissions)	<input type="checkbox"/> Nonattainment program (CAA)	<input type="checkbox"/> NESHAPs (CAA)			
		<input type="checkbox"/> Ocean dumping (MPRSA)	<input type="checkbox"/> Dredge or fill (CWA Section 404)	<input checked="" type="checkbox"/> Other (specify) AOP-11, Renewal #2			
<b>SECTION 7. MAP (40 CFR 122.21(f)(7))</b>							
Map	7.1	Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> CAFO—Not Applicable (See requirements in Form 2B.)					
<b>SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))</b>							
Nature of Business	8.1	Describe the nature of your business. This aluminum forming operation produces aluminum sheet, plate, and coil through the melting and alloying of aluminum, casting of ingots, and rolling with neat oils and emulsions. Process operations include direct chill casting and solution heat treating. The operations are also supported by additional ancillary activities such as steam generation and air compressing. The facility is subject to effluent guidelines for Aluminum Forming (40 CFR 467).					
<b>SECTION 9. COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(f)(9))</b>							
Cooling Water Intake Structures	9.1	Does your facility use cooling water? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 10.1.					
	9.2	Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.) The facility uses a combination of groundwater extracted on-site as well as surface water. Revisions are in progress to use only groundwater as the source of cooling water. In the future surface water will only be utilized for fire protection.					
<b>SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(f)(10))</b>							
Variance Requests	10.1	Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(m)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.) <input type="checkbox"/> Fundamentally different factors (CWA Section 301(n)) <input type="checkbox"/> Water quality related effluent limitations (CWA Section 302(b)(2)) <input type="checkbox"/> Non-conventional pollutants (CWA Section 301(c) and (g)) <input type="checkbox"/> Thermal discharges (CWA Section 316(a)) <input checked="" type="checkbox"/> Not applicable					



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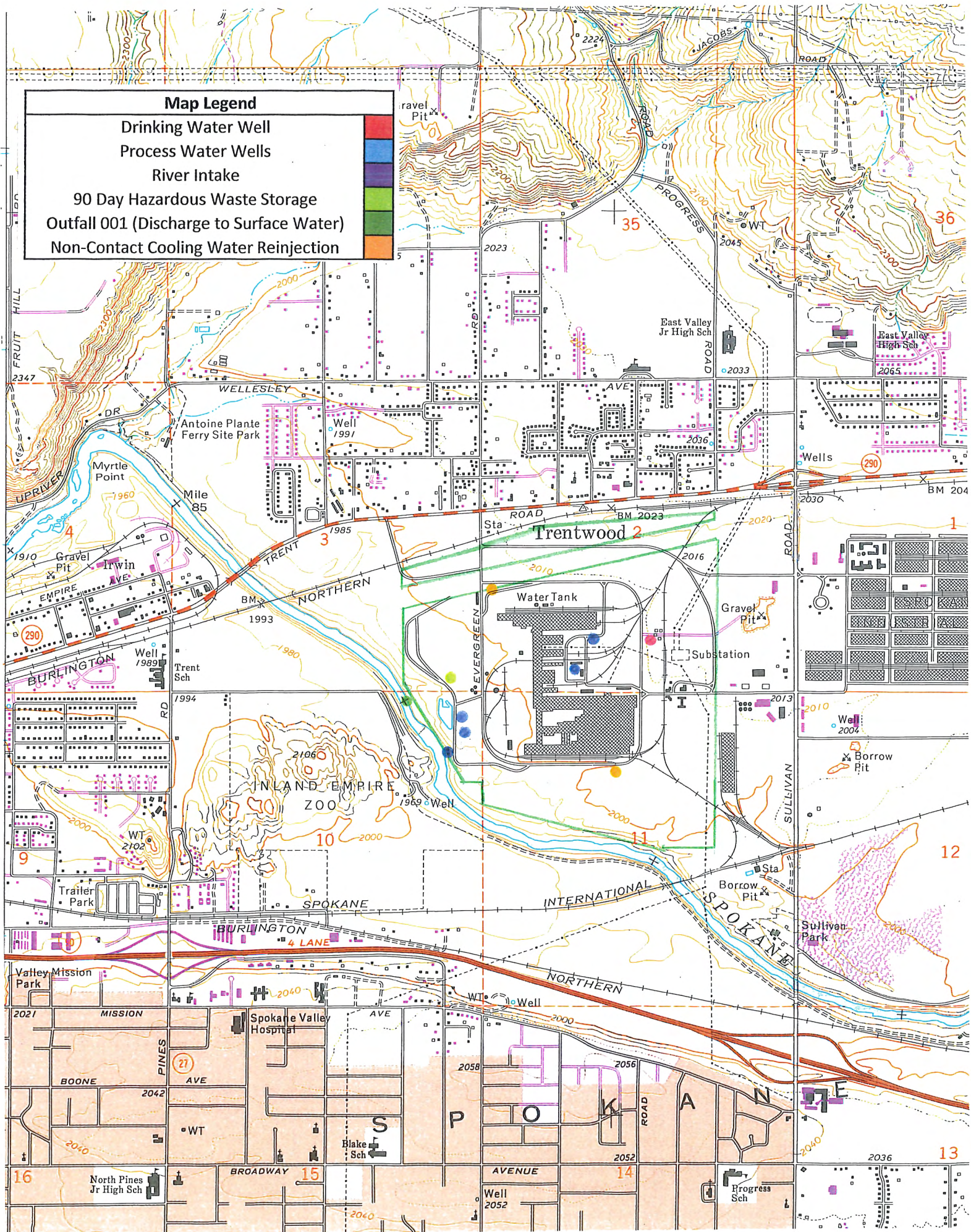
**SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))**

<b>Checklist and Certification Statement</b>	11.1	In Column 1 below, mark the sections of Form 1 that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.	
		<b>Column 1</b>	<b>Column 2</b>
	<input checked="" type="checkbox"/>	Section 1: Activities Requiring an NPDES Permit	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 2: Name, Mailing Address, and Location	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 3: SIC Codes	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 4: Operator Information	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 5: Indian Land	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 6: Existing Environmental Permits	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 7: Map	<input checked="" type="checkbox"/> w/ topographic map <input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 8: Nature of Business	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 9: Cooling Water Intake Structures	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 10: Variance Requests	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/>	Section 11: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments
	11.2	<b>Certification Statement</b> <i>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.</i>	
	Name (print or type first and last name) Scott Endres	Official title Vice-President	
	Signature 	Date signed 03/01/2021	



### Map Legend

- Drinking Water Well
- Process Water Wells
- River Intake
- 90 Day Hazardous Waste Storage
- Outfall 001 (Discharge to Surface Water)
- Non-Contact Cooling Water Reinjection





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Form 2C NPDES		<b>U.S. Environmental Protection Agency</b> <b>Application for NPDES Permit to Discharge Wastewater</b> <b>EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS</b>
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SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))

Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.			
		Outfall Number	Receiving Water Name	Latitude	Longitude
		001	Spokane River	47° 41.16' " N	117° 13.33' " W
				° ' "	° ' "
				° ' "	° ' "

SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))

Line Drawing	2.1	Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C-1 at end of instructions for example.)  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))

Average Flows and Treatment	3.1	For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.		
		**Outfall Number** 001		
		Operations Contributing to Flow		
		Operation	Average Flow	
		See Attachment 1	mgd	
			mgd	
			mgd	
			mgd	
		Treatment Units		
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
		See Attachment 2		Off-site disposal of solid wastes

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Average Flows and Treatment Continued	3.1 cont.	<b>**Outfall Number**</b> _____		
		<b>Operations Contributing to Flow</b>		
		<b>Operation</b>		<b>Average Flow</b>
				mgd
				mgd
				mgd
				mgd
		<b>Treatment Units</b>		
		<b>Description</b> (include size, flow rate through each treatment unit, retention time, etc.)	<b>Code from Table 2C-1</b>	<b>Final Disposal of Solid or Liquid Wastes Other Than by Discharge</b>
		<b>**Outfall Number**</b> _____		
		<b>Operations Contributing to Flow</b>		
		<b>Operation</b>		<b>Average Flow</b>
				mgd
				mgd
				mgd
				mgd
		<b>Treatment Units</b>		
		<b>Description</b> (include size, flow rate through each treatment unit, retention time, etc.)	<b>Code from Table 2C-1</b>	<b>Final Disposal of Solid or Liquid Wastes Other Than by Discharge</b>

System Users	3.2	Are you applying for an NPDES permit to operate a privately owned treatment works? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 4.
	3.3	Have you attached a list that identifies each user of the treatment works? <input type="checkbox"/> Yes <input type="checkbox"/> No

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SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows	4.1	Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? <input type="checkbox"/> Yes <span style="margin-left: 100px;"><input checked="" type="checkbox"/> No → SKIP to Section 5.</span>						
	4.2	Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.						
		Outfall Number	Operation (list)	Frequency		Flow Rate		
				Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	Duration
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days

SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))

Applicable ELGs	5.1	Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Section 6.</span>		
	5.2	Provide the following information on applicable ELGs.		
		ELG Category	ELG Subcategory	Regulatory Citation
		Aluminum Forming	Subpart A - Rolling with Neat Oils	40 CFR 467
		Aluminum Forming	Subpart B - Rolling with Emulsions	40 CFR 467
Production-Based Limitations	5.3	Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Section 6.</span>		
	5.4	Provide an actual measure of daily production expressed in terms and units of applicable ELGs.		
		Outfall Number	Operation, Product, or Material	Quantity per Day
			See Attachment 3	



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### SECTION 6. IMPROVEMENTS (40 CFR 122.21(g)(6))

Upgrades and Improvements	6.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?			
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 6.3.			
	6.2	Briefly identify each applicable project in the table below.			
		Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates Required      Projected
	6.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (optional item)			
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not applicable			

### SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(g)(7))

Effluent and Intake Characteristics	See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.				
	<b>Table A. Conventional and Non-Conventional Pollutants</b>				
	7.1	Are you requesting a waiver from your NPDES permitting authority for one or more of the Table A pollutants for any of your outfalls?			
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.3.			
	7.2	If yes, indicate the applicable outfalls below. Attach waiver request and other required information to the application.			
		Outfall Number _____ Outfall Number _____ Outfall Number _____			
	7.3	Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package?			
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No; a waiver has been requested from my NPDES permitting authority for all pollutants at all outfalls.			
	<b>Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants</b>				
	7.4	Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C-3? (See end of instructions for exhibit.)			
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 7.8.				
7.5	Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B?				
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
7.6	List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C-3.				
	Primary Industry Category	Required GC/MS Fraction(s) (Check applicable boxes.)			
	Aluminum Forming	<input checked="" type="checkbox"/> Volatile	<input checked="" type="checkbox"/> Acid	<input checked="" type="checkbox"/> Base/Neutral	<input checked="" type="checkbox"/> Pesticide
		<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral	<input type="checkbox"/> Pesticide
		<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral	<input type="checkbox"/> Pesticide

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Effluent and Intake Characteristics Continued	7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	7.10	Does the applicant qualify for a small business exemption under the criteria specified in the instructions? <input type="checkbox"/> Yes → Note that you qualify at the top of Table B, then SKIP to Item 7.12. <span style="float: right;"><input checked="" type="checkbox"/> No</span>			
	7.11	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	Table C. Certain Conventional and Non-Conventional Pollutants				
	7.12	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	7.13	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	Table D. Certain Hazardous Substances and Asbestos				
	7.14	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
	7.15	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? <input type="checkbox"/> Yes <span style="float: right;"><input checked="" type="checkbox"/> No</span>			
	Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)				
	7.16	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? <input checked="" type="checkbox"/> Yes → Complete Table E. <span style="float: right;"><input type="checkbox"/> No → SKIP to Section 8.</span>			
	7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>			
SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))					
Used or Manufactured Toxics	8.1	Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct? <input checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No → SKIP to Section 9.</span>			
	8.2	List the pollutants below.			
	1.	Beryllium	4.	Nickel	7.
	2.	Chromium	5.	Zinc	8.
	3.	Copper	6.		9.

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SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11))

Biological Toxicity Tests	9.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Section 10.</span>			
	9.2	Identify the tests and their purposes below.			
		Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?	Date Submitted
		See Attachment 4	Required Monitoring	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
				<input type="checkbox"/> Yes <input type="checkbox"/> No	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12))

Contract Analyses	10.1	Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Section 11.</span>		
	10.2	Provide information for each contract laboratory or consulting firm below.		
		Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
	Name of laboratory/firm	ALS Global	SGS-AXYS	Eurofins TestAmerica, Spokane
	Laboratory address	1317 S 13th Ave Kelso, WA 98626	2045 Mills Road W Sidney, BC V8L 5X2, Canada	11922 E 1st Avenue Spokane, WA 99206
	Phone number	(360) 577-7222	(250) 655-5800	(509) 924-9200
	Pollutant(s) analyzed	Metals, PCB (Method 8082)	PCB (Method 1668)	Tables A, B, C, and E parameters

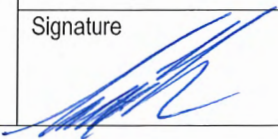
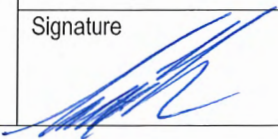
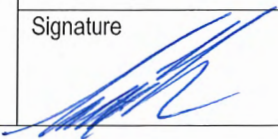
  

SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(g)(13))

Additional Information	11.1	Has the NPDES permitting authority requested additional information? <input type="checkbox"/> Yes <span style="margin-left: 100px;"><input checked="" type="checkbox"/> No → SKIP to Section 12.</span>		
	11.2	List the information requested and attach it to this application.		
		1.	4.	
		2.	5.	
		3.	6.	

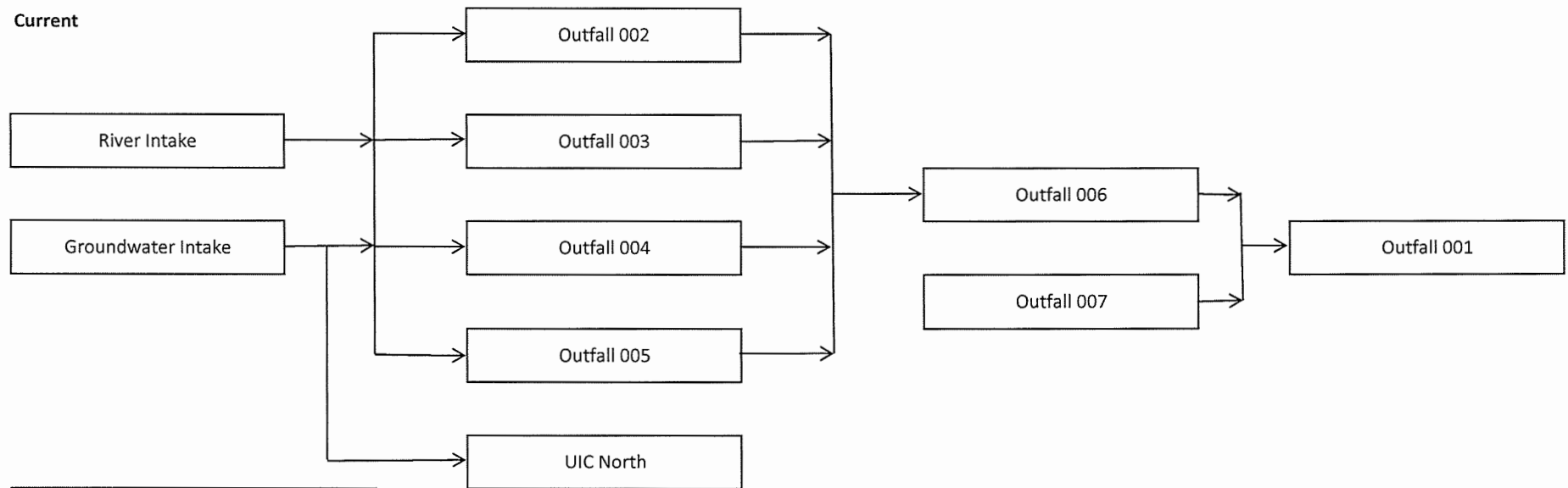
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SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	12.1	<p>In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Column 1</th> <th style="width: 60%;">Column 2</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Section 1: Outfall Location</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 2: Line Drawing</td> <td><input checked="" type="checkbox"/> w/ line drawing <span style="float: right;"><input type="checkbox"/> w/ additional attachments</span></td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 3: Average Flows and Treatment</td> <td><input checked="" type="checkbox"/> w/ attachments <span style="float: right;"><input type="checkbox"/> w/ list of each user of privately owned treatment works</span></td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 4: Intermittent Flows</td> <td><input 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12.2	<p><b>Certification Statement</b></p> <p><i>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.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Name (print or type first and last name)</td> <td style="width: 40%;">Official title</td> </tr> <tr> <td>Scott Endres</td> <td>Vice-President</td> </tr> <tr> <td>Signature</td> <td>Date signed</td> </tr> <tr> <td></td> <td>03/01/2021</td> </tr> </table>		Name (print or type first and last name)	Official title	Scott Endres	Vice-President	Signature	Date signed		03/01/2021																						
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Scott Endres	Vice-President																															
Signature	Date signed																															
	03/01/2021																															

EPA Form 2C  
Line Drawing  
Section 2.1

Current

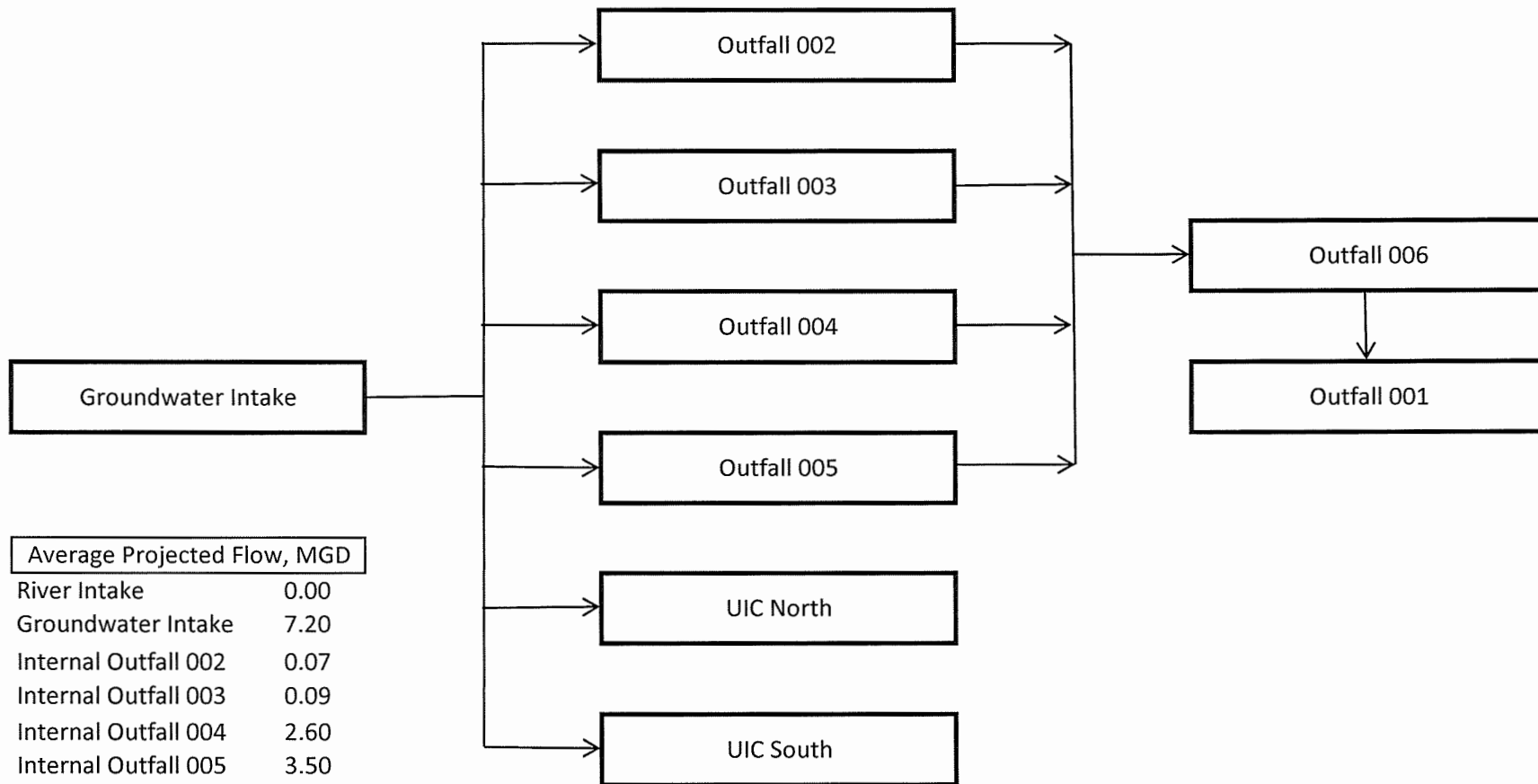


Average Flow, MGD		
	2019	2020
River Intake	2.35	2.01
Groundwater Intake	5.27	4.71
Internal Outfall 002	0.07	0.08
Internal Outfall 003	0.08	0.09
Internal Outfall 004	3.80	3.42
Internal Outfall 005	3.43	2.62
Internal Outfall 006	6.77	5.65
Internal Outfall 007	0.00	0.00
Final Outfall 001	6.77	5.65
UIC Total	0.85	1.07



EPA Form 2C  
Line Drawing  
Section 2.1

Future

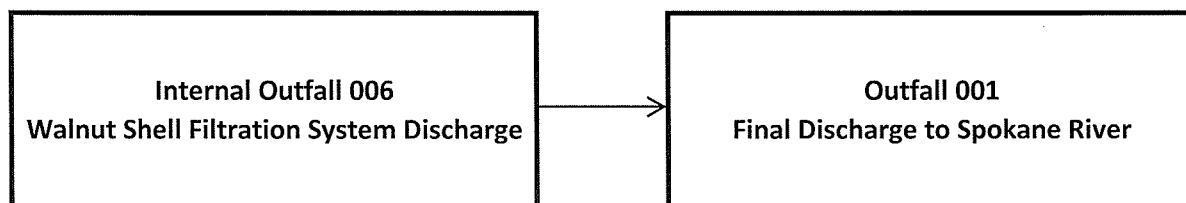


Average Projected Flow, MGD	
River Intake	0.00
Groundwater Intake	7.20
Internal Outfall 002	0.07
Internal Outfall 003	0.09
Internal Outfall 004	2.60
Internal Outfall 005	3.50
Internal Outfall 006	5.20
Internal Outfall 007	0.00
Final Outfall 001	5.20
UIC Total	2.00

## **Attachment 1**

EPA Form 2C  
Line Drawing  
Section 2.1

Final Outfall 001



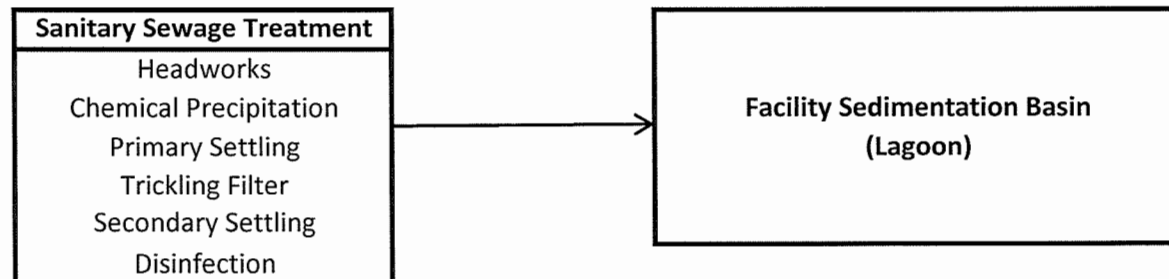
EPA Form 2C  
Line Drawing  
Section 2.1

Internal Outfall 002



EPA Form 2C  
Line Drawing  
Section 2.1

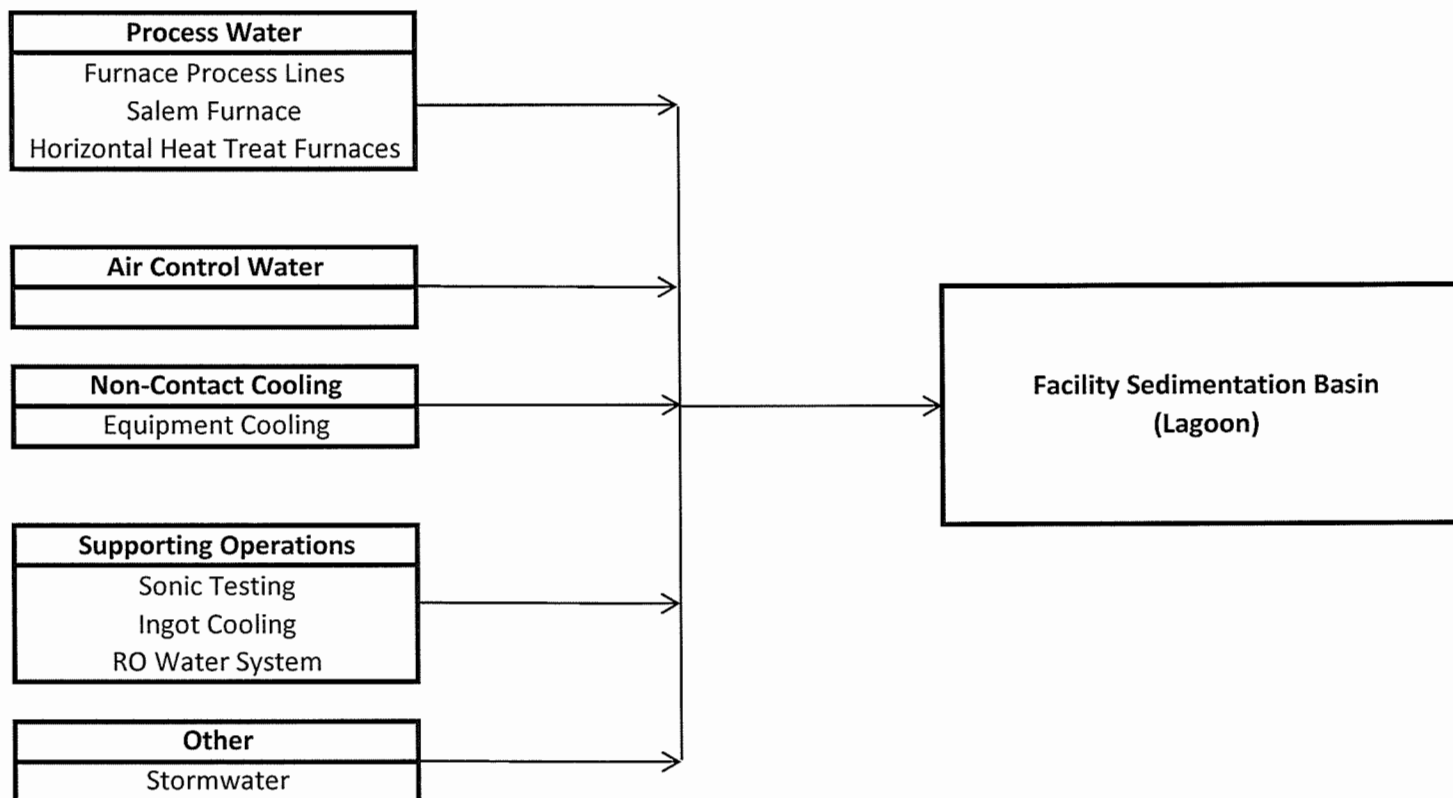
Internal Outfall 003





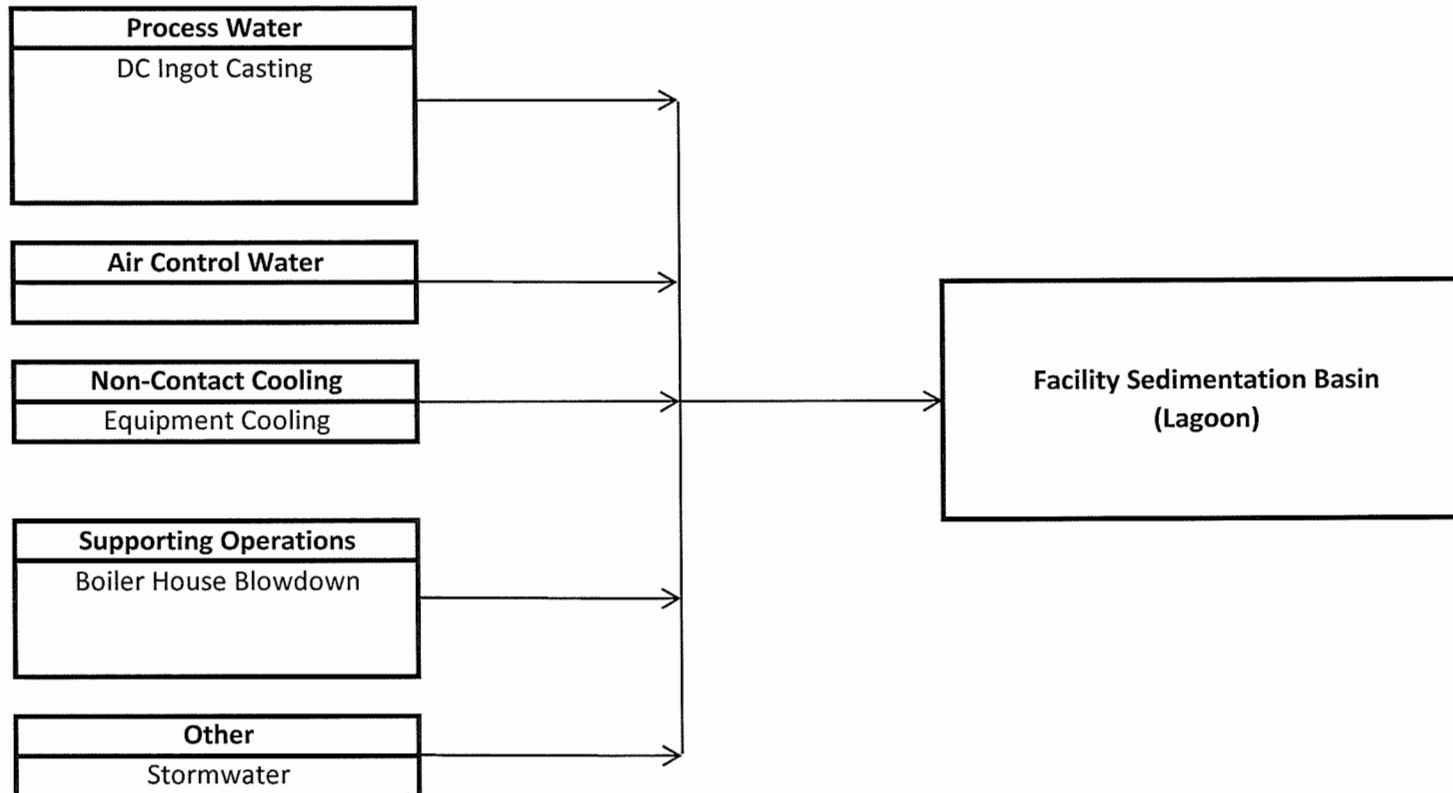
EPA Form 2C  
Line Drawing  
Section 2.1

Internal Outfall 004



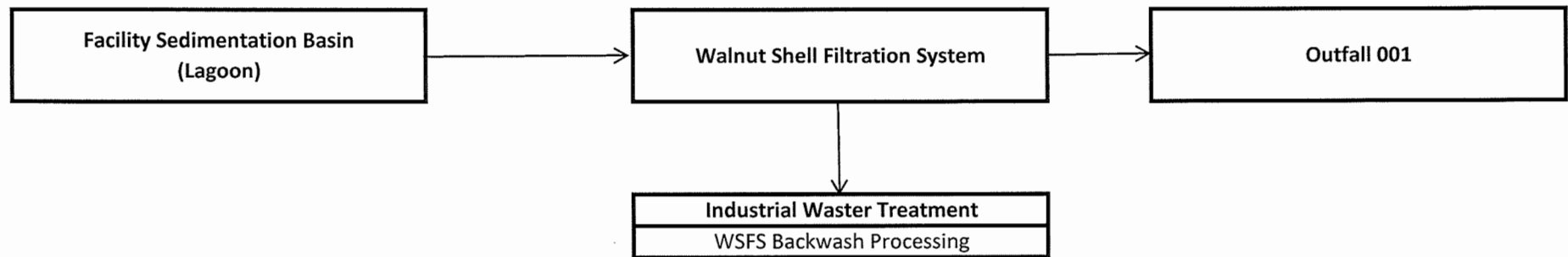
EPA Form 2C  
Line Drawing  
Section 2.1

Internal Outfall 005



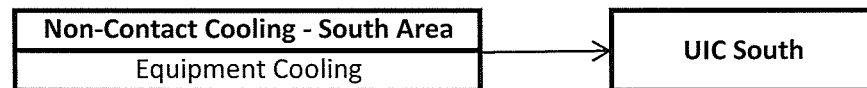
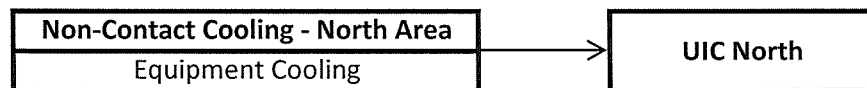
EPA Form 2C  
Line Drawing  
Section 2.1

Internal Outfall 006



EPA Form 2C  
Line Drawing  
Section 2.1

Underground Injection Control Systems



## **Attachment 2**



**Form 2C – NPDES, Attachment 2**  
**Average Flows and Treatment**  
**Section 3.1**

Outfall Number	2. Operations Contributing Flow		3. Treatment	
	Operations	Average Flow	Description	Codes
001	Aluminum Forming	6.2 MGD	See Outfalls Below	
	<i>Rolling with Neat Oils</i>			
	<i>Rolling with Emulsions</i>			
002	Industrial Waste Treatment (IWT)	0.07 MGD	Moving Bed Filters	1-P
	<i>Processing of Waste Coolants</i>		Emulsion Breaking	No Code
	<i>Processing of Rolling Wastes</i>		Neutralization	2-K
	<i>Processing of Filter Backwash</i>		Flocculation	1-G
			Sedimentation (Settling)	1-U
			Diatomaceous Earth Filtration	1-C
003	Sanitary Sewage Treatment (SST)	0.09 MGD	Grit Removal	1-M
	<i>Sanitary Sewage</i>		Trickling Filtration	3-H
			Sedimentation (Settling)	1-U
			Chemical Precipitation	2-C
			Disinfection	2-F
004	Internal Collection Point (South)	3.6 MGD	Collection Point Only	
	<i>Non-Contact Cooling</i>			
	<i>Stormwater</i>			
	<i>Aluminum Forming</i>			
005	Internal Collection Point (North)	3.0 MGD	Collection Point Only	
	<i>Non-Contact Cooling</i>			
	<i>Stormwater</i>			
	<i>Aluminum Forming</i>			
006	Media Filter Discharge	6.2 MGD	Sedimentation (Settling)	1-U
	<i>Outfall 002</i>		Screening	1-T
	<i>Outfall 003</i>		Flocculation	1-G
	<i>Outfall 004</i>		Multimedia Filtration	1-Q
	<i>Outfall 005</i>			

Flow data is for January 2019 through December 2020

## **Attachment 3**

**EPA Form 2C, Attachment 3**

**Production**

**Section 5.4**

Category and Subcategory	Production in Pounds per Day			Outfall Affected
	Estimated Daily Maximum	Estimated Monthly Average Maximum	Estimated Daily Average	
<b>Rolling with Neat Oils</b>				006
<i>Core Without an Annealing Furnace Scrubber</i>	520,870	176,100	154,193	
<i>Solution Heat Treatment Contact Cooling Water</i>	262,161	115,616	93,767	
<b>Rolling with Emulsions</b>				006
<i>Core</i>	30,019,327	12,175,652	11,127,754	
<i>Direct Chill Casting Contact Cooling Water</i>	30,019,327	12,175,652	11,127,754	
<i>Solution Heat Treatment Contact Cooling Water</i>	1,699,956	1,285,823	1,223,399	

## **Attachment 4**

**Form 2C Section 9.2, Attachment 4**  
**Kaiser Trentwood Bioassay Data - Outfall 001**

### Acute Results - Percent Survival

### Ceriodaphnia dubia - 48-hour Survival

[illegible]

### Acute Results - Percent Survival

### Pimephales promelas - 96-hour Survival

[illegible]

**Form 2C Section 9.2, Attachment A  
Kaiser Trentwood Bioassay Data A**

**Acute Results - Percent Survival**

**Ceriodaphnia dubia - 48-hour Survival**

Concentration (%)	2Q19	2Q19W1	2Q19W2	2Q19W3	2Q19W4	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Control	100	100	100	100	100		100		100		100
6.25	95	100	100	100	100		100		100		95
17.1	85	100	100	100	100		100		100		100
25	40	100	100	95	100		95		90		100
71.8	30	100	100	100	70		100		100		100
100	30	100	100	100	0		100		80		95
NOEC (%)	17.1	100	100	100	71.8		100		100		100
LOEC (%)	25	>100	>100	>100	100		>100		>100		>100
LC <sub>50</sub> (%)	38	>100	>100	>100	68.8		>100		>100		>100

**Acute Results - Percent Survival**

**Pimephales promelas - 96-hour Survival**

Concentration (%)	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Control		97.5		100		100	
6.25		100		100		100	
17.1		100		100		100	
25		97.5		100		95	
71.8		100		100		95	
100		100		100		97.5	
NOEC (%)		100		100		100	
LOEC (%)		>100		>100		>100	
LC <sub>50</sub> (%)		>100		>100		>100	

Form 2C Section 9.2, Attachment 4  
Kaiser Trentwood Bioassay Data - Outfall 001

Chronic Results - Percent Survival

*Ceriodaphnia dubia* - Percent Survival and Young/Adult

Concentration (%)	1Q16		2Q16		3Q16		4Q16		1Q17		2Q17	
	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult
Control			100	37.1			100	30.1			100	34.0
6.25			100	36.9			90	30.1			100	34.0
17.1			100	32.9			100	31.6			100	33.5
25			100	33.9			100	33.3			100	33.4
71.8			100	33.2			100	26.8			100	32.1
100			100	20.4			100	28.2			100	33.0
NOEC (%)				71.8			100				100	
LOEC (%)				100			>100				>100	
IC <sub>50</sub> (%)				82.5			>100				>100	

Chronic Results - Percent Survival

*Pimephales promelas* - 96-hour Survival

Concentration (%)	1Q16		2Q16		3Q16		4Q16		1Q17		2Q17	
	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight
Control	92.2	0.947			95.0	0.783			95.0	0.643		
6.25	97.5	0.999			97.5	0.812			100.0	0.719		
17.1	97.5	1.011			97.5	0.975			100.0	0.749		
25	97.5	0.904			92.5	0.788			97.5	0.649		
71.8	87.5	0.828			100	0.839			97.5	0.714		
100	90.0	0.848			97.5	0.821			85.0	0.664		
NOEC (%)	100				100				100			
LOEC (%)	>100				>100				>100			
IC <sub>50</sub> (%)	>100				>100				>100			

Form 2C Section 9.2, Attachment 4  
Kaiser Trentwood Bioassay Data - Outfall 001

Chronic Results - Percent Survival

Ceriodaphnia dubia - Percent Survival and Young/Adult

Concentration (%)	3Q17		4Q17		1Q18		2Q18	
	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Mean Dry Weight	Percent Survival	Young/Adult
Control			100	36.9			90	20
6.25			100	38.3			90	28
17.1			100	35.6			100	28
25			100	35.5			100	31.7
71.8			100	36.3			100	21.9
100			90	31.6			70	14
NOEC (%)			100				100	
LOEC (%)			>100				>100	
IC <sub>50</sub> (%)			>100				77.1	

Chronic Results - Percent Survival

Pimephales promelas - 96-hour Survival

Concentration (%)	3Q17		3Q17 - Redo		4Q17		4Q17		1Q18		2Q18	
	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight
Control	100	1.017	95.0	0.744	95.0	0.733	100.0	0.755	100	0.552		
6.25	90	0.794	95.0	0.762	100.0	0.763	100.0	0.607	100	0.547		
17.1	87.5	0.826	85.0	0.664	100.0	0.701	95.0	0.655	85	0.528		
25	92.5	0.824	80.0	0.645	95.0	0.680	95.0	0.707	80	0.482		
71.8	60	0.608	90.0	0.680	95.0	0.735	100.0	0.749	55	0.245		
100	60	0.639	75.0	0.591	90.0	0.685	90.0	0.674	55	0.262		
NOEC (%)	<6.25		100		100		100		25			
LOEC (%)	6.3		>100		>100		>100		71.8			
IC <sub>50</sub> (%)	33.4		>100		>100		>100		34.3			



Form 2C Section 9.2, Attachment 4  
Kaiser Trentwood Bioassay Data - Outfall 001

Chronic Results - Percent Survival

*Ceriodaphnia dubia* - Percent Survival and Young/Adult

Concentration (%)	3Q18		4Q18		1Q19		2Q19		3Q19		4Q19	
	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult
Control			100	22.8			100	26.3			80	22.2
6.25			100	24.6			100	24.5			90	25.9
17.1			80	19.5			100	33.3			90	29.2
25			89	24.8			100	33.1			100	33.3
71.8			90	15.9			100	10.2			80	28.7
100			100	12.8			100	0.7			100	19.9
NOEC (%)			71.8				25				100	
LOEC (%)			100				71.8				>100	
IC <sub>50</sub> (%)			52.4				37.4				95.9	

Chronic Results - Percent Survival

*Pimephales promelas* - 96-hour Survival

Concentration (%)	3Q18		4Q18		1Q19		2Q19		3Q19		4Q19	
	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight
Control	95	0.649			90	0.692			95	0.669		
6.25	95	0.636			90	0.731			100	0.564		
17.1	90	0.554			80	0.627			90	0.427		
25	95	0.646			90	0.686			100	0.547		
71.8	95	0.683			90	0.752			90	0.613		
100	90	0.668			95	0.605			95	0.583		
NOEC (%)	100				100				100			
LOEC (%)	>100				>100				17.1			
IC <sub>50</sub> (%)	>100				>100				>100			

**Form 2C Section 9.2, Attachment 4**  
**Kaiser Trentwood Bioassay Data - Outfall 001**

**Chronic Results - Percent Survival**

**Ceriodaphnia dubia - Percent Survival and Young/Adult**

Concentration (%)	1Q20		2Q20		3Q20		4Q20	
	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult	Percent Survival	Young/Adult
Control			90	17.6			100	20.7
6.25			90	23.6			100	23.8
17.1			80	21.2			100	23.8
25			90	29.8			100	22.3
71.8			80	18.8			100	18
100			60	4.6			100	16.5
NOEC (%)			71.8				100	
LOEC (%)			100				>100	
IC <sub>50</sub> (%)			74.4				88.1	

**Chronic Results - Percent Survival**

**Pimephales promelas - 96-hour Survival**

Concentration (%)	1Q20		2Q20		3Q20		4Q20	
	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight	Percent Survival	Mean Dry Weight
Control	100	0.428			100	0.518		
6.25	95	0.393			90	0.409		
17.1	85	0.360			90	0.426		
25	95	0.398			95	0.389		
71.8	95	0.422			35	0.155		
100	100	0.498			35	0.132		
NOEC (%)	100				17.1			
LOEC (%)	>100				25			
IC <sub>50</sub> (%)	>100				25.1			

**Final Outfall 001**

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Outfall Number 001
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Form Approved 03/05/19  
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii)) <sup>1</sup>									
Pollutant	Waiver Requested (if applicable)	Units (specify)		Effluent				Intake (Optional)	
				Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.									
1. Biochemical oxygen demand (BOD <sub>5</sub> )	<input type="checkbox"/>	Concentration	mg/L	2 J			1		
		Mass	lbs/day	86.6 J			1		
2. Chemical oxygen demand (COD)	<input type="checkbox"/>	Concentration	mg/L	14			1		
		Mass	lbs/day	606.8			1		
3. Total organic carbon (TOC)	<input type="checkbox"/>	Concentration	mg/L	1.28			1		
		Mass	lbs/day	55.4			1		
4. Total suspended solids (TSS)	<input type="checkbox"/>	Concentration	mg/L	4 J			1		
		Mass	lbs/day	173.2 J			1		
5. Ammonia (as N)	<input type="checkbox"/>	Concentration	mg/L	<0.5			1		
		Mass	lbs/day	<21.7	See Attached	See Attached	1		
6. Flow	<input type="checkbox"/>	Rate	MGD	5.19	See Attached	See Attached	1		
7. Temperature	<input type="checkbox"/>	°C	°C	17.7	See Attached	See Attached	1		
	<input type="checkbox"/>	°C	°C		See Attached	See Attached			
8. pH	<input type="checkbox"/>	Standard units	s.u.	7.2	See Attached		1		
	<input type="checkbox"/>	Standard units	s.u.	7.2	See Attached		1		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
<input type="checkbox"/>	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.											
<b>Section 1. Toxic Metals, Cyanide, and Total Phenols</b>												
1.1	Antimony, total (7440-36-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.56 J			1		
					Mass	lbs/day	0.024 J			1		
1.2	Arsenic, total (7440-38-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	3.2			1		
					Mass	lbs/day	0.014			1		
1.3	Beryllium, total (7440-41-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.10 J			1		
					Mass	lbs/day	0.004 J			1		
1.4	Cadmium, total (7440-43-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.11 J	See Attached	See Attached	1		
					Mass	lbs/day	0.005 J			1		
1.5	Chromium, total (7440-47-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.76 J			1		
					Mass	lbs/day	0.031 J			1		
1.6	Copper, total (7440-50-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	2			1		
					Mass	lbs/day	0.087			1		
1.7	Lead, total (7439-92-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.20 J	See Attached	See Attached	1		
					Mass	lbs/day	0.009 J			1		
1.8	Mercury, total (7439-97-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.20			1		
					Mass	lbs/day	<0.009			1		
1.9	Nickel, total (7440-02-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.38 J			1		
					Mass	lbs/day	0.016 J			1		
1.10	Selenium, total (7782-49-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<8			1		
					Mass	lbs/day	<0 346			1		
1.11	Silver, total (7440-22-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	< 0.40			1		
					Mass	lbs/day	<0.017			1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.082 J			1		
					Mass	lbs/day	0.004 J			1		
1.13	Zinc, total (7440-66-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	17	See Attached	See Attached	1		
					Mass	lbs/day	0.736			1		
1.14	Cyanide, total (57-12-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
1.15	Phenols, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<20			1		
					Mass	lbs/day	<0.866			1		

**Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)**

2.1	Acrolein (107-02-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<15			1		
					Mass	lbs/day	<0.650			1		
2.2	Acrylonitrile (107-13-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
2.3	Benzene (71-43-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.4	Bromoform (75-25-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.022			1		
2.5	Carbon tetrachloride (56-23-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.6	Chlorobenzene (108-90-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.039 JB			1		
					Mass	lbs/day	0.002 JB			1		
2.7	Chlorodibromomethane (124-48-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.8	Chloroethane (75-00-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.022			1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<6		1		
					Mass	Lbs/day	<0.260		1		
2.10	Chloroform (67-66-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.11	Dichlorobromomethane (75-27-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.12	1,1-dichloroethane (75-34-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.13	1,2-dichloroethane (107-06-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.14	1,1-dichloroethylene (75-35-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.15	1,2-dichloropropane (78-87-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.16	1,3-dichloropropylene (542-75-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.17	Ethylbenzene (100-41-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		
2.18	Methyl bromide (74-83-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5		1		
					Mass	lbs/day	<0.022		1		
2.19	Methyl chloride (74-87-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5		1		
					Mass	lbs/day	<0.022		1		
2.20	Methylene chloride (75-09-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<5		1		
					Mass	lbs/day	<0.22		1		
2.21	1,1,1,2-tetrachloroethane (79-34-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2		1		
					Mass	lbs/day	<0.009		1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.29 JB			1		
					Mass	lbs/day	0.013 JB			1		
2.23	Toluene (108-88-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.24	1,2-trans-dichloroethylene (156-60-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.25	1,1,1-trichloroethane (71-55-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.26	1,1,2-trichloroethane (79-00-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.27	Trichloroethylene (79-01-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.068 JB			1		
					Mass	lbs/day	0.003 JB			1		
2.28	Vinyl chloride (75-01-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)												
3.1	2-chlorophenol (95-57-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
3.2	2,4-dichlorophenol (120-83-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
3.3	2,4-dimethylphenol (105-67-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<4.1			1		
					Mass	lbs/day	<0.178			1		
3.4	4,6-dinitro-o-cresol (534-52-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.091			1		
3.5	2,4-dinitrophenol (51-28-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<5.1			1		
					Mass	lbs/day	<0.221			1		



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			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
3.7	4-nitrophenol (100-02-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
3.8	p-chloro-m-cresol (59-50-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
3.9	Pentachlorophenol (87-86-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433	<0.433		1		
3.10	Phenol (108-95-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
3.11	2,4,6-trichlorophenol (88-05-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.075 J			1		
					Mass	lbs/day	0.003 J			1		
4.2	Acenaphthylene (208-96-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.3	Anthracene (120-12-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.4	Benzidine (92-87-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.5	Benzo (a) anthracene (56-55-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.6	Benzo (a) pyrene (50-32-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		

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			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.8	Benzo (ghi) perylene (191-24-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.9	Benzo (k) fluoranthene (207-08-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.10	Bis (2-chloroethoxy) methane (111-91-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
4.11	Bis (2-chloroethyl) ether (111-44-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.1			1		
					Mass	lbs/day	<0.004			1		
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<3.1			1		
					Mass	lbs/day	<0.134			1		
4.14	4-bromophenyl phenyl ether (101-55-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
4.15	Butyl benzyl phthalate (85-68-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<4.1			1		
					Mass	lbs/day	<0.178			1		
4.16	2-chloronaphthalene (91-58-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.17	4-chlorophenyl phenyl ether (7005-72-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
4.18	Chrysene (218-01-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.19	Dibenzo (a,h) anthracene (53-70-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.21	1,3-dichlorobenzene (541-73-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.22	1,4-dichlorobenzene (106-46-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.23	3,3-dichlorobenzidine (91-94-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.091			1		
4.24	Diethyl phthalate (84-66-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.18 J			1		
					Mass	lbs/day	0.008 J			1		
4.25	Dimethyl phthalate (131-11-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
4.26	Di-n-butyl phthalate (84-74-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<3.1			1		
					Mass	lbs/day	<0.134			1		
4.27	2,4-dinitrotoluene (121-14-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.28	2,6-dinitrotoluene (606-20-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.29 J			1		
					Mass	lbs/day	<0.009			1		
4.29	Di-n-octyl phthalate (117-84-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.091			1		
4.31	Fluoranthene (206-44-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		
4.32	Fluorene (86-73-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.011			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.027			1		
4.34	Hexachlorobutadiene (87-68-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.35	Hexachlorocyclopentadiene (77-47-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.091			1		
4.36	Hexachloroethane (67-72-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.38	Isophorone (78-59-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.39	Naphthalene (91-20-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.40	Nitrobenzene (98-95-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.41	N-nitrosodimethylamine (62-75-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.091			1		
4.42	N-nitrosodi-n-propylamine (621-64-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41			1		
					Mass	lbs/day	<0.018			1		
4.43	N-nitrosodiphenylamine (86-30-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.44	Phenanthrene (85-01-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.45	Pyrene (129-00-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
4.46	1,2,4-trichlorobenzene (120-82-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.41				1		
					Mass	lbs/day	<0.018				1		
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)													
5.1	Aldrin (309-00-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.024				1		
					Mass	lbs/day	<0.001				1		
5.2	α-BHC (319-84-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.018				1		
					Mass	lbs/day	<0.001				1		
5.3	β-BHC (319-85-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.021				1		
					Mass	lbs/day	<0.001				1		
5.4	γ-BHC (58-89-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.020				1		
					Mass	lbs/day	<0.001				1		
5.5	δ-BHC (319-86-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.015				1		
					Mass	lbs/day	<0.001				1		
5.6	Chlordane (57-74-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.027				1		
					Mass	lbs/day	<0.001				1		
5.7	4,4'-DDT (50-29-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.020				1		
					Mass	lbs/day	<0.001				1		
5.8	4,4'-DDE (72-55-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.010				1		
					Mass	lbs/day	<0.001				1		
5.9	4,4'-DDD (72-54-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.015				1		
					Mass	lbs/day	<0.001				1		
5.10	Dieldrin (60-57-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.018				1		
					Mass	lbs/day	<0.001				1		
5.11	α-endosulfan (115-29-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.020				1		
					Mass	lbs/day	<0.001				1		

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) <sup>1</sup>												
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.024			1		
					Mass	lbs/day	<0.001			1		
5.13	Endosulfan sulfate (1031-07-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.020			1		
					Mass	lbs/day	<0.001			1		
5.14	Endrin (72-20-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.012			1		
					Mass	lbs/day	<0.001			1		
5.15	Endrin aldehyde (7421-93-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.060			1		
					Mass	lbs/day	<0.003			1		
5.16	Heptachlor (76-44-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.015			1		
					Mass	lbs/day	<0.001			1		
5.17	Heptachlor epoxide (1024-57-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.020			1		
					Mass	lbs/day	<0.001			1		
5.18	PCB-1242 (53469-21-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		
5.19	PCB-1254 (11097-69-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		
5.20	PCB-1221 (11104-28-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		
5.21	PCB-1232 (11141-16-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		
5.22	PCB-1248 (12672-29-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		
5.23	PCB-1260 (11096-82-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		
5.24	PCB-1016 (12674-11-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.45			1		
					Mass	lbs/day	<0.019			1		



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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene (8001-35-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2			1		
					Mass	lbs/day	<0.087			1		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>present</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>absent</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
1. Bromide (24959-67-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1			1	
			Mass	Lbs/day	<43.3			1	
2. Chlorine, total residual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.05			1	
			Mass	lbs/day	<2.2			1	
3. Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	Color Unit	<5			1	
			Mass						
4. Fecal coliform	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	MPN	<1			1	
			Mass						
5. Fluoride (16984-48-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.1 J			1	
			Mass	Lbs/day	4.3 J			1	
6. Nitrate-nitrite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	6.93			1	
			Mass	lbs/day	300.1			1	
7. Nitrogen, total organic (as N)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	1.9			1	
			Mass	lbs/day	82.3			1	
8. Oil and grease	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<5.3			1	
			Mass	lbs/day	<229.5			1	
9. Phosphorus (as P), total (7723-14-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.040 J			1	
			Mass	lbs/day	1.7 J	See Attached	See Attached	1	
10. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	20			1	
			Mass	lbs/day	866.2			1	
11. Sulfide (as S)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1			1	
			Mass	lbs/day	<43.3			1	

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO <sub>3</sub> ) (14265-45-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	1			1		
				Mass	lbs/day	43.3			1		
13.	Surfactants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.1			1		
				Mass	lbs/day	<4.3			1		
14.	Aluminum, total (7429-90-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1.5			1		
				Mass	lbs/day	<64.9			1		
15.	Barium, total (7440-39-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.023			1		
				Mass	lbs/day	1.0			1		
16.	Boron, total (7440-42-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.046 J			1		
				Mass	lbs/day	2.0 J			1		
17.	Cobalt, total (7440-48-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.02			1		
				Mass	lbs/day	<0.9			1		
18.	Iron, total (7439-89-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.5			1		
				Mass	lbs/day	<21.7			1		
19.	Magnesium, total (7439-95-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	11			1		
				Mass	lbs/day	476.4			1		
20.	Molybdenum, total (7439-98-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.04			1		
				Mass	lbs/day	<1.7			1		
21.	Manganese, total (7439-96-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.02			1		
				Mass	lbs/day	<0.9			1		
22.	Tin, total (7440-31-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.1			1		
				Mass	lbs/day	<4.3			1		
23.	Titanium, total (7440-32-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.0039 J			1		
				Mass	lbs/day	0.1 J			1		

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
	Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. <b>Radioactivity</b>										
Alpha, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							
Beta, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							
Radium, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							
Radium 226, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2.	Acetaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3.	Allyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.	Allyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5.	Amyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6.	Aniline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7.	Benzonitrile	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8.	Benzyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9.	Butyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10.	Butylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11.	Captan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
12.	Carbaryl	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
13.	Carbofuran	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
14.	Carbon disulfide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
15.	Chlorpyrifos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
16.	Coumaphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
17.	Cresol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
18.	Crotonaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19.	Cyclohexane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
21.	Diazinon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
22.	Dicamba	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
23.	Dichlobenil	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
24.	Dichlone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
25.	2,2-dichloropropionic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26.	Dichlorvos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
27.	Diethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
28.	Dimethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29.	Dinitrobenzene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
30.	Diquat	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
31.	Disulfoton	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
32.	Diuron	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
33.	Epichlorohydrin	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
34.	Ethion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
35.	Ethylene diamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
36.	Ethylene dibromide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
37.	Formaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
38.	Furfural	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
40.	Isoprene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
41.	Isopropanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42.	Kelthane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
43.	Kepone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
44.	Malathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
45.	Mercaptodimethur	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46.	Methoxychlor	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
47.	Methyl mercaptan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
48.	Methyl methacrylate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
49.	Methyl parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
50.	Mevinphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
51.	Mexacarbate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
52.	Monoethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
53.	Monomethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
54.	Naled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
55.	Naphthenic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
56.	Nitrotoluene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
57.	Parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
59.	Phosgene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
60.	Propargite	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
61.	Propylene oxide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
62.	Pyrethrins	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
63.	Quinoline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
64.	Resorcinol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
65.	Strontium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
66.	Strychnine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
67.	Styrene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
69.	TDE (tetrachlorodiphenyl ethane)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
71.	Trichlorofon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
72.	Triethanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
73.	Triethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
74.	Trimethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
75.	Uranium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
76.	Vanadium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		



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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
78.	Xylene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
79.	Xylenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
80.	Zirconium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))**

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	< 10 picograms/liter; EDL 0.68 picograms/liter

## **Final Outfall 001 Attachments**

Form 2C, Section 7 Attachments  
 Outfall 001 Permit Cycle Data Summary

Month	Monthly Averages									Monthly Daily Maximum									pH Monthly Range	
	Zn (ug/L)	Pb (ug/L)	Cd (ug/L)	Total P (lbs/d)	Total R P (lbs/d)	CBOD <sub>5</sub> (lbs/d)	NH <sub>3</sub> (lbs/d)	Flow (mgd)	Temperature (°F)	Zn (ug/L)	Pb (ug/L)	Cd (ug/L)	Total P (lbs/d)	Total R P (lbs/d)	CBOD <sub>5</sub> (lbs/d)	NH <sub>3</sub> (lbs/d)	Flow (mgd)	Temperature (°F)	Minimum (SU)	Maximum (SU)
Jan-15	17	0.07	0.02	0.90	0.20	122	1.4	7.5	63.4	77	0.12	0.03	1.30	0.50	268	4.0	8.2	66.3	6.4	7.1
Feb-15	15	0.11	0.03	0.80	0.40	135	1.5	7.6	65.2	19	0.17	0.03	1.80	1.10	180	3.0	8.1	66.7	6.3	6.8
Mar-15	20	0.19	0.03	1.50	0.40	176	1.9	8.1	65.3	48	0.32	0.04	2.00	1.10	233	4.5	9.3	68.4	6.4	7.0
Apr-15	13	0.23	0.03	1.00	0.30	194	0.7	7.9	67.0	21	0.34	0.04	1.90	0.60	306	1.4	8.9	70.1	6.3	6.9
May-15	22	0.20	0.03	1.20	0.40	245	1.3	8.7	69.8	36	0.22	0.04	1.60	0.80	357	2.5	9.9	72.7	6.4	7.5
Jun-15	10	0.11	0.03	1.00	0.20	220	1.7	9.5	71.4	32	0.30	0.07	1.80	0.50	325	3.5	10.3	73.8	6.5	7.5
Jul-15	8	0.08	0.02	0.80	0.20	162	1.6	9.0	73.5	12	0.17	0.02	1.20	0.40	208	2.7	9.5	76.5	6.5	7.6
Aug-15	5	1.70	0.02	1.00	0.50	198	2.1	8.6	71.0	8	10.30	0.03	1.30	0.80	238	5.5	9.4	74.6	5.8	7.5
Sep-15	4	0.06	0.01	1.00	0.20	182	1.7	9.0	71.4	18	0.12	0.02	2.30	1.20	215	4.7	9.5	76.6	6.5	7.6
Oct-15	5	0.10	0.01	1.10	0.30	161	1.1	8.9	70.1	12	0.21	0.02	1.50	0.70	214	1.9	9.9	72.6	6.5	7.2
Nov-15	14	0.10	0.02	1.10	0.20	162	1.9	8.3	67.7	19	0.13	0.03	1.50	0.30	190	3.9	8.8	72.9	6.1	6.9
Dec-15	21	0.11	0.02	1.10	0.30	176	2.5	7.9	66.2	36	0.25	0.02	1.50	0.50	217	5.1	9.0	69.2	6.2	6.8
Jan-16	18	0.10	0.02	0.90	0.27	200	1.4	8.0	66.5	23	0.18	0.03	1.40	0.45	234	4.7	9.1	71.4	6.2	7.1
Feb-16	12	0.12	0.03	1.30	0.30	227	2.7	8.1	69.3	14	0.16	0.03	2.70	0.70	314	5.1	8.9	78.5	6.2	8.0
Mar-16	20	0.24	0.03	1.10	0.40	218	2.2	8.3	69.8	25	0.51	0.04	2.10	1.00	355	5.4	9.1	74.4	6.4	7.2
Apr-16	16	0.27	0.04	1.10	0.20	197	1.9	8.5	70.1	21	0.35	0.04	1.40	0.50	265	3.9	9.5	73.8	6.3	7.1
May-16	16	0.17	0.04	0.90	0.30	206	1.8	8.7	72.0	20	0.21	0.08	1.50	0.80	259	3.0	9.2	78.7	6.3	7.5
Jun-16	13	0.18	0.03	1.10	0.30	204	1.4	9.5	74.0	17	0.27	0.05	2.10	0.50	244	3.1	10.0	79.9	6.4	7.3
Jul-16	10	0.12	0.02	0.90	0.50	205	2.4	9.8	72.7	13	0.27	0.02	2.50	1.10	263	4.5	10.4	76.2	6.3	7.1
Aug-16	ND	0.10	0.01	0.90	0.30	221	1.0	9.4	71.6	ND	0.34	0.02	1.80	0.80	268	1.9	9.8	74.2	6.4	7.0
Sep-16	2	0.08	0.01	0.60	0.20	175	1.4	9.3	69.5	10	0.13	0.02	1.40	1.10	219	3.2	10.0	72.0	6.4	7.2
Oct-16	10	0.18	0.01	0.90	0.30	218	1.6	8.8	69.3	16	0.36	0.02	1.80	1.00	273	3.6	9.7	72.2	6.3	7.0
Nov-16	9	0.18	0.02	1.00	0.40	225	1.2	8.5	67.7	17	0.68	0.02	1.40	0.70	292	4.7	9.3	70.0	6.3	7.2
Dec-16	11	0.15	0.02	0.70	0.20	190	1.6	8.5	62.7	18	0.31	0.03	2.20	0.60	226	3.8	9.3	67.0	6.3	7.5
Jan-17	14	0.10	0.02	1.00	0.20	189	2.1	8.5	60.8	32	0.23	0.03	2.00	0.50	228	3.7	9.3	64.9	6.4	7.3
Feb-17	15	0.13	0.02	0.90	0.20	219	1.7	8.7	63.4	19	0.19	0.03	1.30	0.40	257	3.5	9.8	65.6	6.4	7.9
Mar-17	18	0.26	0.06	1.00	0.50	186	1.8	8.5	65.5	26	0.36	0.11	1.20	1.20	244	4.1	9.2	68.1	6.3	7.1
Apr-17	13	0.54	0.03	1.10	0.30	207	1.2	8.9	66.9	16	0.77	0.04	2.10	0.80	327	2.5	9.5	70.0	6.4	7.2
May-17	11	0.28	0.04	1.00	0.40	181	0.6	8.9	69.9	13	0.49	0.10	2.50	0.60	251	1.4	9.7	74.0	6.2	7.1
Jun-17	13	0.21	0.03	1.10	1.00	189	2.7	9.1	72.1	26	0.29	0.03	2.10	3.70	571	8.1	10.1	76.3	6.2	10.9
Jul-17	13	0.22	0.02	0.60	0.60	175	2.3	9.3	74.8	27	0.30	0.03	1.30	1.30	215	5.2	9.9	76.7	6.1	7.2
Aug-17	10	0.85	0.01	0.90	0.20	199	2.4	9.4	72.8	17	2.78	0.02	1.30	0.50	293	10.0	10.3	76.3	6.1	7.4
Sep-17	14	0.13	0.02	1.00	0.20	209	2.7	9.0	71.3	31	0.27	0.04	1.50	0.50	264	3.4	9.4	73.8	6.2	7.4
Oct-17	12	0.14	0.03	0.90	0.50	208	2.1	8.8	70.4	17	0.20	0.05	1.40	1.10	273	2.3	10.0	73.5	6.1	7.3
Nov-17	18	0.18	0.03	1.30	0.40	215	2.5	8.6	66.1	29	0.30	0.03	2.20	0.70	300	7.2	9.8	68.5	6.1	6.9
Dec-17	16	0.16	0.03	1.20	0.20	242	2.8	8.4	63.2	24	0.30	0.03	1.40	0.40	345	5.3	9.5	66.7	6.1	6.9
Jan-18	14	0.15	0.03	1.10	0.20	229	1.8	8.9	64.7	20	0.17	0.04	1.30	0.40	406	4.4	9.8	67.1	6.1	6.9
Feb-18	14	0.15	0.03	1.20	0.20	196	2.4	8.5	64.0	23	0.23	0.05	1.60	0.40	244	3.6	8.9	65.8	6.2	7.0
Mar-18	20	0.39	0.05	1.30	0.30	201	2.3	8.6	65.2	28	1.43	0.08	1.50	0.50	278	4.1	9.6	67.5	6.1	6.7
Apr-18	24	0.47	0.04	1.70	0.40	227	3.3	8.5	65.7	37	1.21	0.06	2.10	1.00	339	5.0	9.1	69.3	6.1	7.0
May-18	21	0.55	0.05	1.40	0.40	210	2.2	9.2	71.2	26	1.02	0.06	2.20	1.10	273	4.6	10.0	74.4	6.0	7.1
Jun-18	21	0.29	0.04	1.40	0.20	184	3.7	8.5	72.7	50	0.44	0.06	1.60	0.60	237	9.0	9.3	76.3	5.8	6.8
Jul-18	22	0.18	0.04	1.00	0.10	218	2.0	8.9	74.4	63	0.33	0.05	2.20	0.60	404	3.8	9.2	76.4	5.8	7.0
Aug-18	17	0.10	0.02	1.50	0.40	166	2.2	8.9	71.5	31	0.13	0.03	2.20	0.80	204	2.7	9.4	75.5	6.1	7.5
Sep-18	13	0.16	0.02	1.60	0.40	189	4.7	8.6	72.9	17	0.29	0.03	2.30	0.70	468	7.0	10.0	79.5	6.2	7.8
Oct-18	20	0.17	0.02	1.40	0.90	118	2.3	7.5	68.1	25	0.25	0.03	2.10	3.40	175	10.9	8.9	72.1	7.0	8.0
Nov-18	20	0.17	0.03	1.00	0.30	145	2.1	7.2	67.8	26	0.23	0.05	1.50	0.60	181	3.6	9.2	71.6	6.6	7.8
Dec-18	26	0.19	0.04	0.90	ND	122	2.4	6.7	67.5	47	0.32	0.05	1.40	ND	168	4.5	7.4	76.4	7.2	7.9
Jan-19	21	0.16	0.03	1.00	ND	140	1.7	6.5	68.0	26	0.24	0.05	1.30	ND	213	2.8	7.9	70.6	6.9	8.0
Feb-19	14	0.13	0.03	0.70	0.20	154	1.5	6.7	65.9	31	0.16	0.04	1.20	0.40	217	2.2	6.9	69.2	7.2	7.8
Mar-19	17	0.17	0.05	1.00	ND	167	1.9	6.9	69.0	24	0.28	0.08	1.40	ND	207	2.6	7.4	74.6	7.1	7.8
Apr-19	24	0.37	0.04	1.00	ND	167	2.5	6.6	73.4	36	0.77	0.06	1.30	ND	207	7.1	7.1	78.6	6.9	7.8
May-19	21	0.34	0.04	1.00	0.30	174	3.3	6.8	75.5	28	0.53	0.06	2.10	0.80	245	5.2	7.7	79.5	7.1	7.9
Jun-19	16	0.27	0.04	1.00	ND	201	4.3	7.1	77.2	19	0.65	0.06	1.20	ND	283	5.8	8.9	81.6	6.9	8.3
Jul-19	12	0.17	0.03	1.50	0.30	299	3.7	7.7	77.6	14	0.28	0.05	2.30	0.60	367	22.6	9.5	81.6	6.1	7.8
Aug-19	11	0.09	0.02	0.90	ND	194	2.2	7.1	77.0	15	0.12	0.03	1.50	ND	269	3.0	7.9	78.8	6.6	7.9
Sep-19	21	0.14	0.02	1.20	ND	205	2.2	7.0	76.6	28	0.18	0.02	1.70	ND	261	4.9	7.8	79.0	7.1	7.6
Oct-19	16	0.14	0.03	1.10	ND	202	2.0	6.6	71.5	22	0.19	0.04	1.60	ND	281	2.9	7.2	74.6	7.0	7.6
Nov-19	19	0.15	0.03	1.00	ND	235	1.9	6.1	69.9	29	0.29	0.04	1.50	ND	356	3.5	6.8	73.5	6.8	7.5
Dec-19	19	0.12	0.03	1.00	ND	151	4.1	6.3	69.8	25	0.17	0.04	1.40	ND	220	11.0	6.8	71.8	6.7	7.4
Jan-20	23	0.16	0.03	1.10	ND	137	2.7	6.0	68.3	27	0.20	0.04	1.30	ND	185	5.6	6.8	71.4	6.7	7.7

### Outfall 001 Permit Cycle Data Summary

Monthly Averages										Monthly Daily Maximum								pH Monthly Range			
	Zn (ug/L)	Pb (ug/L)	Cd (ug/L)	Total P (lbs/d)	Total R P (lbs/d)	CBOD <sub>5</sub> (lbs/d)	NH <sub>3</sub> (lbs/d)	Flow (mgd)	Temperature (°F)	Zn (ug/L)	Pb (ug/L)	Cd (ug/L)	Total P (lbs/d)	Total R P (lbs/d)	CBOD <sub>5</sub> (lbs/d)	NH <sub>3</sub> (lbs/d)	Flow (mgd)	Temperature (°F)	Minimum (SU)	Maximum (SU)	
Month																					
Feb-20	17	0.11	0.02	1.10	ND	146	3.3	5.9	69.3	21	0.17	0.04	1.80	ND	197	8.2	6.5	72.9	7.1	7.8	
Mar-20	17	0.14	0.03	1.00	ND	153	1.8	6.0	71.2	18	0.24	0.03	1.30	ND	191	2.7	7.1	74.7	6.7	7.6	
Apr-20	17	0.20	0.03	0.90	ND	182	1.8	6.1	73.6	20	0.38	0.04	1.40	ND	256	2.6	6.6	76.3	6.8	7.4	
May-20	21	0.43	0.04	1.30	ND	162	1.3	6.2	72.5	37	0.52	0.05	1.80	ND	414	2.0	7.9	75.4	6.3	7.3	
Jun-20	18	0.25	0.05	1.00	ND	141	0.8	6.2	74.5	26	0.41	0.07	1.50	ND	197	1.8	7.0	78.2	6.5	7.4	
Jul-20	12	0.13	0.03	0.70	ND	88	0.8	5.4	73.9	15	0.20	0.05	1.20	ND	154	3.3	6.6	76.6	6.7	7.6	
Aug-20	9	0.06	0.02	0.70	0.20	104	1.1	5.3	71.8	13	0.13	0.02	1.20	0.44	321	2.0	5.9	74.7	7.1	7.7	
Sep-20	9	0.06	0.01	0.80	0.20	63	2.3	5.4	71.4	13	0.07	0.02	1.40	0.30	116	18.0	6.1	73.8	6.1	9.3	
Oct-20	12	0.08	0.03	0.92	0.20	58	2.6	5.3	68.3	15	0.16	0.07	1.60	0.27	111	4.0	6.0	73.2	6.7	7.6	
Nov-20	16	0.08	0.03	0.60	0.20	62	2.1	5.1	65.9	19	0.11	0.04	0.90	0.40	124	2.8	5.9	69.0	3.8	8.1	
Dec-20	19	0.08	0.02	0.80	ND	79	2.2	5.0	64.4	32	0.11	0.03	1.10	ND	115	3.6	5.5	66.2	7.0	7.8	
2015 Maximum	22	1.70	0.03	1.50	0.50	245	2.5	9.5	73.5	77	10.30	0.07	2.30	1.20	357	5.5	10.3	76.6			
2016 Maximum	20	0.27	0.04	1.30	0.50	227	2.7	9.8	74.0	25	0.68	0.08	2.70	1.10	355	5.4	10.4	79.9			
2017 Maximum	18	0.85	0.06	1.30	1.00	242	2.8	9.4	74.8	32	2.78	0.11	2.50	3.70	571	10.0	10.3	76.7			
2018 Maximum	26	0.55	0.05	1.70	0.90	229	4.7	9.2	74.4	63	1.43	0.08	2.30	3.40	468	10.9	10.0	79.5			
2019 Maximum	24	0.37	0.05	1.50	0.30	299	4.3	7.7	77.6	36	0.77	0.08	2.30	0.80	367	22.6	9.5	81.6			
2020 Maximum	23	0.43	0.05	1.30	0.20	182	3.3	6.2	74.5	37	0.52	0.07	1.80	0.44	414	18.0	7.9	78.2			
Permit Cycle Maximum	26	1.70	0.06	1.70	1.00	299	4.7	9.8	77.6	77	10.30	0.11	2.70	3.70	571	22.6	10.4	81.6			
2015 Average	13	0.26	0.02	1.04	0.30	178	1.6	8.4	68.5										2015 Range	5.8	7.6
2016 Average	12	0.16	0.02	0.95	0.31	207	1.7	8.8	69.6										2016 Range	6.2	8.0
2017 Average	14	0.27	0.03	1.00	0.39	202	2.1	8.8	68.1										2017 Range	6.1	10.9
2018 Average	19	0.25	0.03	1.29	0.35	184	2.6	8.3	68.8										2018 Range	5.8	8.0
2019 Average	18	0.19	0.03	1.03	0.27	191	2.6	6.8	72.6										2019 Range	6.1	8.3
2020 Average	16	0.15	0.03	0.91	0.20	115	1.9	5.6	70.4										2020 Range	3.8	9.3
Permit Cycle Long Term Average	15	0.21	0.03	1.04	0.32	179	2.09	7.80	69.7												

**Form 2C, Section 7 Attachments**  
**Outfall 001 Permit Cycle Data Summary**

Blank Correction Factor → 0

Total PCB - 2015

Concentration (pg/L)			
Minimum	Mean	Median	Maximum
1,393	2,352	2,302	4,475

Mass (mg/day)			
Minimum	Mean	Median	Maximum
45.9	76.8	73.7	145.7

Homologues

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
Total Monochloro Biphenyls	6	9	9	16
Total Dichloro Biphenyls	122	154	147	247
Total Trichloro Biphenyls	427	783	736	1,363
Total Tetrachloro Biphenyls	678	1,207	1,163	2,299
Total Pentachloro Biphenyls	103	231	216	501
Total Hexachloro Biphenyls	16	43	38	106
Total Heptachloro Biphenyls	2	12	11	26
Total Octachloro Biphenyls	0	4	4	16
Total Nonachloro Biphenyls	0	1	0	4
Decachloro Biphenyl	0	1	1	2

Dioxin Like Congeners

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
PCB-77	1.3	3.6	3.3	8.7
PCB-81	0	0	0	0
PCB 105	3.4	9.3	8.1	25.4
PCB 114	0	0.5	0.6	1.6
PCB 118	6.7	17.7	15.9	42.5
PCB-123	0	0.3	0	1.6
PCB-126	0	0	0	0
PCB-156+157	0	1.0	0.9	3.4
PCB-167	0	0.3	0	1.2
PCB-169	0	0	0	0
PCB-189	0	0	0	0

Samples Collected

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**Form 2C, Section 7 Attachments**  
**Outfall 001 Permit Cycle Data Summary**

Blank Correction Factor → 0

**Total PCB - 2016**

Concentration (pg/L)			
Minimum	Mean	Median	Maximum
1,337	2,452	2,186	10,859

Mass (mg/day)			
Minimum	Mean	Median	Maximum
45.2	85.3	70.5	382.3

**Homologues**

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
Total Monochloro Biphenyls	3	9	8	21
Total Dichloro Biphenyls	94	161	136	842
Total Trichloro Biphenyls	476	816	673	3,584
Total Tetrachloro Biphenyls	724	1,277	1,108	4,906
Total Pentachloro Biphenyls	145	266	213	1,253
Total Hexachloro Biphenyls	20	43	34	199
Total Heptachloro Biphenyls	5	11	8	40
Total Octachloro Biphenyls	0	4	4	11
Total Nonachloro Biphenyls	0	1	1	3
Decachloro Biphenyl	0	1	1	2

**Dioxin Like Congeners**

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
PCB-77	1.8	5.2	3.5	38.3
PCB-81	0	0.1	0	1.9
PCB 105	4.0	11.8	8.6	79.3
PCB 114	0	0.7	0.6	6.1
PCB 118	8.0	21.8	16.6	125.0
PCB-123	0	0.4	0	5.0
PCB-126	0	0.1	0	1.0
PCB-156+157	0	1.2	1.0	5.9
PCB-167	0	0.3	0	1.7
PCB-169	0	0	0	0
PCB-189	0	0.1	0	1.1

**Form 2C, Section 7 Attachments**  
**Outfall 001 Permit Cycle Data Summary**

Blank Correction Factor → 0

Total PCB - 2017

Concentration (pg/L)			
Minimum	Mean	Median	Maximum
1,251	3,151	2,323	12,221

Mass (mg/day)			
Minimum	Mean	Median	Maximum
39.3	108.9	79.4	393.2

Homologues

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
Total Monochloro Biphenyls	4	9	8	19
Total Dichloro Biphenyls	109	207	166	574
Total Trichloro Biphenyls	418	1,054	783	3,576
Total Tetrachloro Biphenyls	502	1,505	1,058	5,808
Total Pentachloro Biphenyls	137	378	250	1,784
Total Hexachloro Biphenyls	20	65	45	327
Total Heptachloro Biphenyls	6	18	13	104
Total Octachloro Biphenyls	2	6	5	29
Total Nonachloro Biphenyls	0	1	1	6
Decachloro Biphenyl	1	1	1	2

Dioxin Like Congeners

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
PCB-77	2.4	9.9	5.8	52.2
PCB-81	0	0.2	0	2.62
PCB 105	5.07	22.8	13.5	130.0
PCB 114	0	1.9	1.2	10.0
PCB 118	10	35.5	21.8	191.0
PCB-123	0	1.3	0.8	7.3
PCB-126	0	0.0	0	0.6
PCB-156+157	0	2.1	1.4	12.7
PCB-167	0	0.5	0	4.0
PCB-169	0	0	0	0
PCB-189	0	0	0	0

Samples Collected

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**Form 2C, Section 7 Attachments**  
**Outfall 001 Permit Cycle Data Summary**

Blank Correction Factor → 0

Total PCB - 2018

Concentration (pg/L)			
Minimum	Mean	Median	Maximum
1,595	2,259	2,440	3,221

Mass (mg/day)			
Minimum	Mean	Median	Maximum
52.4	74.2	72.9	107.0

Homologues

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
Total Monochloro Biphenyls	4	6	6	10
Total Dichloro Biphenyls	69	130	126	178
Total Trichloro Biphenyls	378	708	725	953
Total Tetrachloro Biphenyls	781	1,191	1,165	1,676
Total Pentachloro Biphenyls	164	249	244	388
Total Hexachloro Biphenyls	26	45	40	108
Total Heptachloro Biphenyls	8	11	10	23
Total Octachloro Biphenyls	1	4	4	11
Total Nonachloro Biphenyls	0	1	1	4
Decachloro Biphenyl	0	1	1	2

Dioxin Like Congeners

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
PCB-77	2.9	4.7	4.9	7.9
PCB-81	0	0.1	0	0.7
PCB 105	6.3	10.6	11.2	19.9
PCB 114	0	1.0	1.1	1.8
PCB 118	12.2	19.8	20.1	37.2
PCB-123	0	0.8	0.8	1.3
PCB-126	0	0.0	0	0.6
PCB-156+157	0.6	1.3	1.3	2.9
PCB-167	0	0.5	0.6	1.3
PCB-169	0	0	0	0
PCB-189	0	0.0	0	0.7

Samples Collected

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**Form 2C, Section 7 Attachments**  
**Outfall 001 Permit Cycle Data Summary**

Blank Correction Factor → 0

Total PCB - 2019

Concentration (pg/L)			
Minimum	Mean	Median	Maximum
2,223	4,285	3,368	14,198

Mass (mg/day)			
Minimum	Mean	Median	Maximum
57.3	117.8	84.0	488.9

Homologues

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
Total Monochloro Biphenyls	3	7	6	17
Total Dichloro Biphenyls	88	203	170	465
Total Trichloro Biphenyls	604	1,315	1,025	3,799
Total Tetrachloro Biphenyls	1,124	2,240	1,664	7,534
Total Pentachloro Biphenyls	257	556	387	2,048
Total Hexachloro Biphenyls	31	93	78	259
Total Heptachloro Biphenyls	9	26	24	58
Total Octachloro Biphenyls	2	7	6	19
Total Nonachloro Biphenyls	0	1	0	3
Decachloro Biphenyl	0	1	1	2

Dioxin Like Congeners

	Concentration (pg/L)			
	Minimum	Mean	Median	Maximum
PCB-77	4.1	14.4	8.5	77.4
PCB-81	0	0.4	0	4.4
PCB 105	10.7	33.5	18.8	174.0
PCB 114	0	3.0	2.0	15.0
PCB 118	19.3	53.6	34.5	238.0
PCB-123	0	1.9	1.2	10.3
PCB-126	0	0.5	0	2.2
PCB-156+157	0	2.9	2.2	10.3
PCB-167	0	1.0	1.1	3.2
PCB-169	0	0	0	0
PCB-189	0	0.0	0	1.2

Samples Collected

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## **Internal Outfall 003**

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Outfall Number 003
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Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))<sup>1</sup>**

Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)		
			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses	
<input type="checkbox"/> Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.									
1. Biochemical oxygen demand (BOD <sub>5</sub> )	<input type="checkbox"/>	Concentration	mg/L	<2.4	See Attached	See Attached	1		
		Mass	lbs/day	<2.2	See Attached	See Attached	1		
2. Chemical oxygen demand (COD)	<input type="checkbox"/>	Concentration	mg/L	18			1		
		Mass	lbs/day	16.4			1		
3. Total organic carbon (TOC)	<input type="checkbox"/>	Concentration	mg/L	2.6			1		
		Mass	lbs/day	2.4			1		
4. Total suspended solids (TSS)	<input type="checkbox"/>	Concentration	mg/L	<10	See Attached	See Attached	1		
		Mass	lbs/day	<9.1	See Attached	See Attached	1		
5. Ammonia (as N)	<input type="checkbox"/>	Concentration	mg/L	2.1			1		
		Mass	lbs/day	1.9			1		
6. Flow	<input type="checkbox"/>	Rate	MGD	0.109	See Attached	See Attached	1		
7. Temperature	<input type="checkbox"/>	°C	°C	5.4			1		
	<input type="checkbox"/>	°C	°C						
8. pH	<input type="checkbox"/>	Standard units	s.u.	6.7			1		
	<input type="checkbox"/>	Standard units	s.u.	6.7			1		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Outfall Number 003
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Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)			
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses		
<input type="checkbox"/>	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.												
<b>Section 1. Toxic Metals, Cyanide, and Total Phenols</b>													
1.1	Antimony, total (7440-36-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.17 J			1			
					Mass	lbs/day	0.0002 J			1			
1.2	Arsenic, total (7440-38-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	2.8			1			
					Mass	lbs/day	0.0025			1			
1.3	Beryllium, total (7440-41-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1			
					Mass	lbs/day	<0.0004			1			
1.4	Cadmium, total (7440-43-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.8			1			
					Mass	lbs/day	<0.0007			1			
1.5	Chromium, total (7440-47-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	1.1			1			
					Mass	lbs/day	0.0010			1			
1.6	Copper, total (7440-50-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	2.5			1			
					Mass	lbs/day	0.0023			1			
1.7	Lead, total (7439-92-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.8			1			
					Mass	lbs/day	<0.0007			1			
1.8	Mercury, total (7439-97-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1			
					Mass	lbs/day	<0.0002			1			
1.9	Nickel, total (7440-02-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	1.1 J			1			
					Mass	lbs/day	0.0010 J			1			
1.10	Selenium, total (7782-49-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<8			1			
					Mass	lbs/day	<0.0073			1			
1.11	Silver, total (7440-22-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<.4			1			
					Mass	lbs/day	<0.00036			1			

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Outfall Number 003
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Form Approved 03/05/19  
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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
1.13	Zinc, total (7440-66-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	11			1		
					Mass	lbs/day	0.0100			1		
1.14	Cyanide, total (57-12-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.0091			1		
1.15	Phenols, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<20			1		
					Mass	lbs/day	<0.0182			1		

**Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)**

2.1	Acrolein (107-02-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<15			1		
					Mass	lbs/day	<0.0137			1		
2.2	Acrylonitrile (107-13-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.0091			1		
2.3	Benzene (71-43-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.4	Bromoform (75-25-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.0005			1		
2.5	Carbon tetrachloride (56-23-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.6	Chlorobenzene (108-90-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.041 JB			1		
					Mass	lbs/day	0.00004 JB			1		
2.7	Chlorodibromomethane (124-48-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.8	Chloroethane (75-00-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.0005			1		

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Outfall Number 003
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Form Approved 03/05/19  
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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) <sup>1</sup>												
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<6			1		
					Mass	lbs/day	<0.0055			1		
2.10	Chloroform (67-66-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	1			1		
					Mass	lbs/day	0.0009			1		
2.11	Dichlorobromomethane (75-27-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.13 J			1		
					Mass	lbs/day	0.0001 J			1		
2.12	1,1-dichloroethane (75-34-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.13	1,2-dichloroethane (107-06-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.14	1,1-dichloroethylene (75-35-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.15	1,2-dichloropropane (78-87-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.16	1,3-dichloropropylene (542-75-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.17	Ethylbenzene (100-41-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		
2.18	Methyl bromide (74-83-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.0005			1		
2.19	Methyl chloride (74-87-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.0005			1		
2.20	Methylene chloride (75-09-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<5			1		
					Mass	lbs/day	<0.0046			1		
2.21	1,1,2,2- tetrachloroethane (79-34-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.0002			1		

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) <sup>1</sup>													
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
2.22	Tetrachloroethylene (127-18-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.28 JB				1		
					Mass	lbs/day	0.0003 JB				1		
2.23	Toluene (108-88-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.17 J				1		
					Mass	lbs/day	0.0002 J				1		
2.24	1,2-trans-dichloroethylene (156-60-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.0002				1		
2.25	1,1,1-trichloroethane (71-55-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.0002				1		
2.26	1,1,2-trichloroethane (79-00-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.0002				1		
2.27	Trichloroethylene (79-01-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.0002				1		
2.28	Vinyl chloride (75-01-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.02				1		
					Mass	lbs/day	<0.00002				1		
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)													
3.1	2-chlorophenol (95-57-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1				1		
					Mass	lbs/day	<0.0009				1		
3.2	2,4-dichlorophenol (120-83-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1				1		
					Mass	lbs/day	<0.0009				1		
3.3	2,4-dimethylphenol (105-67-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<4.2				1		
					Mass	lbs/day	<0.0038				1		
3.4	4,6-dinitro-o-cresol (534-52-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1				1		
					Mass	lbs/day	<0.0019				1		
3.5	2,4-dinitrophenol (51-28-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<5.2				1		
					Mass	lbs/day	<0.0047				1		



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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
3.7	4-nitrophenol (100-02-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.0091			1		
3.8	p-chloro-m-cresol (59-50-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.0006			1		
3.9	Pentachlorophenol (87-86-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.0091	<0.0091		1		
3.10	Phenol (108-95-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
3.11	2,4,6-trichlorophenol (88-05-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.0006			1		
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42			1		
					Mass	lbs/day	<0.0038			1		
4.2	Acenaphthylene (208-96-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
4.3	Anthracene (120-12-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
4.4	Benzidine (92-87-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.0091			1		
4.5	Benzo (a) anthracene (56-55-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.6	Benzo (a) pyrene (50-32-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.8	Benzo (ghi) perylene (191-24-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.9	Benzo (k) fluoranthene (207-08-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.10	Bis (2-chloroethoxy) methane (111-91-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.0006			1		
4.11	Bis (2-chloroethyl) ether (111-44-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.1			1		
					Mass	lbs/day	<0.0001			1		
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<3.1			1		
					Mass	lbs/day	<0.0282			1		
4.14	4-bromophenyl phenyl ether (101-55-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.0006			1		
4.15	Butyl benzyl phthalate (85-68-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	1.1 J			1		
					Mass	lbs/day	0.0010 J			1		
4.16	2-chloronaphthalene (91-58-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
4.17	4-chlorophenyl phenyl ether (7005-72-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.0006			1		
4.18	Chrysene (218-01-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.19	Dibenzo (a,h) anthracene (53-70-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42			1		
					Mass	lbs/day	<0.0004			1		
4.21	1,3-dichlorobenzene (541-73-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42			1		
					Mass	lbs/day	<0.0004			1		
4.22	1,4-dichlorobenzene (106-46-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42			1		
					Mass	lbs/day	<0.0004			1		
4.23	3,3-dichlorobenzidine (91-94-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.0019			1		
4.24	Diethyl phthalate (84-66-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
4.25	Dimethyl phthalate (131-11-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62			1		
					Mass	lbs/day	<0.00056			1		
4.26	Di-n-butyl phthalate (84-74-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<3.1			1		
					Mass	lbs/day	<0.0028			1		
4.27	2,4-dinitrotoluene (121-14-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
4.28	2,6-dinitrotoluene (606-20-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42			1		
					Mass	lbs/day	<0.0004			1		
4.29	Di-n-octyl phthalate (117-84-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.0009			1		
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1			1		
					Mass	lbs/day	<0.0019			1		
4.31	Fluoranthene (206-44-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		
4.32	Fluorene (86-73-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.26			1		
					Mass	lbs/day	<0.0002			1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.62		1		
					Mass	lbs/day	<0.0006		1		
4.34	Hexachlorobutadiene (87-68-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1		1		
					Mass	lbs/day	<0.0009		1		
4.35	Hexachlorocyclopentadiene (77-47-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1		1		
					Mass	lbs/day	<0.0019		1		
4.36	Hexachloroethane (67-72-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1		1		
					Mass	lbs/day	<0.0009		1		
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42		1		
					Mass	lbs/day	<0.0004		1		
4.38	Isophorone (78-59-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42		1		
					Mass	lbs/day	<0.0004		1		
4.39	Naphthalene (91-20-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42		1		
					Mass	lbs/day	<0.0004		1		
4.40	Nitrobenzene (98-95-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1		1		
					Mass	lbs/day	<0.0009		1		
4.41	N-nitrosodimethylamine (62-75-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1		1		
					Mass	lbs/day	<0.0019		1		
4.42	N-nitrosodi-n-propylamine (621-64-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42		1		
					Mass	lbs/day	<0.0004		1		
4.43	N-nitrosodiphenylamine (86-30-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1		1		
					Mass	lbs/day	<0.0009		1		
4.44	Phenanthrene (85-01-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1		1		
					Mass	lbs/day	<0.0009		1		
4.45	Pyrene (129-00-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1		1		
					Mass	lbs/day	<0.0009		1		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene (120-82-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.42			1		
					Mass	lbs/day	<0.0004			1		
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)												
5.1	Aldrin (309-00-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.026			1		
					Mass	lbs/day	<0.0002			1		
5.2	α-BHC (319-84-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.02			1		
					Mass	lbs/day	<0.00002			1		
5.3	β-BHC (319-85-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.023			1		
					Mass	lbs/day	<0.00002			1		
5.4	γ-BHC (58-89-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.016			1		
					Mass	lbs/day	<0.00001			1		
5.5	δ-BHC (319-86-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.022			1		
					Mass	lbs/day	<0.00002			1		
5.6	Chlordane (57-74-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.029			1		
					Mass	lbs/day	<0.00003			1		
5.7	4,4'-DDT (50-29-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.022			1		
					Mass	lbs/day	<0.00002			1		
5.8	4,4'-DDE (72-55-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.011			1		
					Mass	lbs/day	<0.00001			1		
5.9	4,4'-DDD (72-54-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.016			1		
					Mass	lbs/day	<0.00001			1		
5.10	Dieldrin (60-57-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.02			1		
					Mass	lbs/day	<0.00002			1		
5.11	α-endosulfan (115-29-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.02			1		
					Mass	lbs/day	<0.00002			1		

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			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.02			1		
					Mass	lbs/day	<0.00002			1		
5.13	Endosulfan sulfate (1031-07-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.0054 J			1		
					Mass	lbs/day	0.000005 J			1		
5.14	Endrin (72-20-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.013			1		
					Mass	lbs/day	<0.00001			1		
5.15	Endrin aldehyde (7421-93-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.014 B			1		
					Mass	lbs/day	0.00001 B			1		
5.16	Heptachlor (76-44-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.016			1		
					Mass	lbs/day	<0.00001			1		
5.17	Heptachlor epoxide (1024-57-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.022			1		
					Mass	lbs/day	<0.00002			1		
5.18	PCB-1242 (53469-21-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		
5.19	PCB-1254 (11097-69-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		
5.20	PCB-1221 (11104-28-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		
5.21	PCB-1232 (11141-16-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		
5.22	PCB-1248 (12672-29-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		
5.23	PCB-1260 (11096-82-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		
5.24	PCB-1016 (12674-11-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.49			1		
					Mass	lbs/day	<0.0004			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene (8001-35-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.2			1		
					Mass	lbs/day	<0.0020			1		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)			
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses		
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>present</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.											
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>absent</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.											
1. Bromide (24959-67-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.35 J		1				
			Mass	lbs/day	0.32 J		1				
2. Chlorine, total residual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.28		1				
			Mass	lbs/day	0.25		1				
3. Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	Color Unit	<5		1				
			Mass								
4. Fecal coliform	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	MPN	<1		1				
			Mass								
5. Fluoride (16984-48-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.2		1				
			Mass	lbs/day	<0.18		1				
6 Nitrate-nitrite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	40.5		1				
			Mass	lbs/day	36.8		1				
7. Nitrogen, total organic (as N)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	2.3 F1		1				
			Mass	lbs/day	2.1		1				
8. Oil and grease	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<5.2		1				
			Mass	lbs/day	<4.7		1				
9. Phosphorus (as P), total (7723-14-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.63		1				
			Mass	lbs/day	0.6		1				
10. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	22		1				
			Mass	lbs/day	20.0		1				
11. Sulfide (as S)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1		1				
			Mass	mg/L	<0.9		1				



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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO <sub>3</sub> ) (14265-45-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	1			1		
				Mass	lbs/day	0.9			1		
13.	Surfactants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.1			1		
				Mass	lbs/day	<0.09			1		
14.	Aluminum, total (7429-90-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1.5			1		
				Mass	lbs/day	<1.4			1		
15.	Barium, total (7440-39-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.017 J			1		
				Mass	lbs/day	0.015 J			1		
16.	Boron, total (7440-42-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.17 J			1		
				Mass	lbs/day	0.15 J			1		
17.	Cobalt, total (7440-48-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.02			1		
				Mass	lbs/day	<0.02			1		
18.	Iron, total (7439-89-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	1.6 F1			1		
				Mass	lbs/day	1.5 F1			1		
19.	Magnesium, total (7439-95-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	15 F1			1		
				Mass	lbs/day	13.7 F1			1		
20.	Molybdenum, total (7439-98-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.04			1		
				Mass	lbs/day	<0.04			1		
21.	Manganese, total (7439-96-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.0026 J			1		
				Mass	lbs/day	<0.002 J			1		
22.	Tin, total (7440-31-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.1			1		
				Mass	lbs/day	<0.09			1		
23.	Titanium, total (7440-32-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.007 J			1		
				Mass	lbs/day	0.006 J			1		

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity									
Alpha, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1	
			Mass						
Beta, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1	
			Mass						
Radium, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1	
			Mass						
Radium 226, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1	
			Mass						

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2.	Acetaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3.	Allyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.	Allyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5.	Amyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6.	Aniline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7.	Benzonitrile	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8.	Benzyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9.	Butyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10.	Butylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11.	Captan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
12.	Carbaryl	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
13.	Carbofuran	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
14.	Carbon disulfide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
15.	Chlorpyrifos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
16.	Coumaphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
17.	Cresol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
18.	Crotonaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19.	Cyclohexane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
21.	Diazinon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
22.	Dicamba	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
23.	Dichlobenil	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
24.	Dichlone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
25.	2,2-dichloropropionic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26.	Dichlorvos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
27.	Diethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
28.	Dimethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29.	Dinitrobenzene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
30.	Diquat	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
31.	Disulfoton	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
32.	Diuron	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
33.	Epichlorohydrin	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
34.	Ethion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
35.	Ethylene diamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
36.	Ethylene dibromide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
37.	Formaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
38.	Furfural	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
40.	Isoprene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
41.	Isopropanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42.	Kelthane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
43.	Kepone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
44.	Malathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
45.	Mercaptodimethur	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46.	Methoxychlor	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
47.	Methyl mercaptan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
48.	Methyl methacrylate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
49.	Methyl parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
50.	Mevinphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
51.	Mexacarbate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
52.	Monoethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
53.	Monomethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
54.	Naled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
55.	Naphthenic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
56.	Nitrotoluene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
57.	Parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
59.	Phosgene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
60.	Propargite	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
61.	Propylene oxide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
62.	Pyrethrins	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
63.	Quinoline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
64.	Resorcinol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
65.	Strontium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
66.	Strychnine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
67.	Styrene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
69.	TDE (tetrachlorodiphenyl ethane)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
71.	Trichlorofon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
72.	Triethanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
73.	Triethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
74.	Trimethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
75.	Uranium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
76.	Vanadium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
78.	Xylene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
79.	Xylenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
80.	Zirconium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))**

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<10 picograms/liter; EDL: 0.62 picograms/liter



## **Internal Outfall 003 Attachments**

Outfall 003 Permit Cycle Data Summary

Month	Monthly Averages				Monthly Daily Maximum			
	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/d)	TSS (mg/L)	TSS (lbs/d)	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/d)	TSS (mg/L)	TSS (lbs/d)
Jan-15	5.8	4.7	3.6	2.9	7.8	6.2	4.2	3.6
Feb-15	6.2	4.2	3.4	2.4	7.5	5.3	4.5	3.1
Mar-15	6.6	4.9	2.6	2.1	8.4	7.0	4.1	4.1
Apr-15	11.9	8.9	3.7	2.9	32.3	21.8	5.8	5.8
May-15	8.2	5.6	2.6	1.8	14.9	10.4	3.5	2.5
Jun-15	6.7	3.9	2.7	1.6	8.8	5.6	3.7	2.3
Jul-15	6.3	3.6	3.1	1.8	7.8	5.2	4.0	2.6
Aug-15	6.7	2.5	2.5	1.0	8.8	3.8	3.7	1.6
Sep-15	6.4	4.4	2.0	1.3	8.9	7.2	2.6	2.0
Oct-15	7.6	6.2	2.5	2.0	11.6	10.4	5.0	3.8
Nov-15	7.3	6.8	2.3	2.0	9.9	10.0	3.0	3.3
Dec-15	10.2	8.4	3.8	2.7	17.2	23.1	6.2	5.0
Jan-16	11.6	12.2	3.0	3.0	14.2	15.3	4.5	5.2
Feb-16	11.4	13.2	2.5	2.8	13.4	17.2	3.7	4.0
Mar-16	11.7	11.9	3.4	3.6	15.2	14.5	4.3	4.4
Apr-16	10.7	10.7	3.9	4.0	12.4	12.6	5.6	5.8
May-16	10.7	10.4	3.1	3.1	12.3	12.8	4.0	4.2
Jun-16	11.1	8.9	3.0	2.4	16.7	15.0	4.7	4.4
Jul-16	10.5	6.0	4.3	2.6	21.9	11.7	9.6	5.8
Aug-16	9.2	6.1	2.9	2.0	11.5	8.2	4.2	3.2
Sep-16	8.9	5.6	2.2	1.4	12.2	8.2	3.5	2.2
Oct-16	8.6	6.2	2.1	1.5	12.1	9.2	2.3	1.7
Nov-16	7.5	7.2	2.3	2.1	8.9	9.9	3.5	3.9
Dec-16	8.9	9.6	2.8	3.1	9.7	10.7	3.6	4.0
Jan-17	9.7	10.3	2.8	3.0	13.0	13.4	3.6	3.9
Feb-17	10.2	10.5	3.6	3.7	11.2	11.1	4.4	4.8
Mar-17	8.8	8.6	4.7	4.8	12.4	12.3	6.8	7.4
Apr-17	7.3	6.3	4.0	3.6	8.8	8.1	6.0	5.4
May-17	9.1	6.7	4.2	3.2	13.4	10.4	8.5	6.6
Jun-17	7.2	4.6	3.7	2.5	10.5	6.9	6.0	4.4
Jul-17	7.6	5.2	3.5	2.5	9.8	6.4	6.8	5.0
Aug-17	9.3	5.8	4.0	2.6	12.8	8.6	5.4	3.6
Sep-17	7.7	4.5	3.1	1.6	14.3	7.1	4.4	2.7
Oct-17	7.4	4.3	3.0	1.8	9.4	6.1	3.8	2.2
Nov-17	9.9	7.4	3.5	2.5	17.4	15.7	6.4	5.8
Dec-17	9.8	8.4	3.3	2.8	11.9	11.9	4.0	3.5
Jan-18	11.6	10.2	3.2	2.8	13.4	12.8	4.9	4.4
Feb-18	14.3	10.1	2.4	1.7	24.0	22.4	3.7	3.1
Mar-18	7.2	4.9	2.6	1.7	14.4	7.9	9.7	6.3
Apr-18	9.7	8.0	2.8	2.3	13.1	10.6	3.6	3.1
May-18	14.6	9.9	5.3	3.7	19.5	13.7	17.8	12.5
Jun-18	7.2	3.8	3.5	1.8	11.2	6.3	4.1	2.2
Jul-18	9.2	4.4	2.6	1.2	14.0	6.9	3.4	1.7
Aug-18	7.7	5.2	2.9	1.9	12.1	10.6	5.4	3.7
Sep-18	9.6	6.6	3.2	2.2	12.8	9.4	4.1	3.1

Outfall 003 Permit Cycle Data Summary

	Monthly Averages				Monthly Daily Maximum			
Month	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/d)	TSS (mg/L)	TSS (lbs/d)	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/d)	TSS (mg/L)	TSS (lbs/d)
Oct-18	8.6	9.2	4.0	4.6	14.0	14.3	5.0	7.1
Nov-18	9.1	8.4	3.9	3.8	11.6	12.7	5.9	6.0
Dec-18	10.6	10.9	6.5	6.4	13.0	16.8	8.4	8.0
Jan-19	10.0	9.6	4.5	4.3	12.4	12.7	5.5	5.6
Feb-19	11.4	10.0	5.4	4.8	19.6	17.8	7.1	6.2
Mar-19	12.7	11.0	8.0	7.1	16.3	14.6	11.9	11.5
Apr-19	8.5	6.4	7.9	6.1	14.4	10.8	10.5	9.8
May-19	10.3	8.4	9.1	7.6	13.7	13.0	12.6	10.7
Jun-19	11.2	7.8	4.7	3.3	16.9	14.0	6.0	5.2
Jul-19	9.1	5.6	4.8	3.2	14.2	16.0	6.5	6.5
Aug-19	9.4	5.2	5.5	3.1	14.2	9.1	8.0	5.4
Sep-19	7.9	5.6	4.7	3.5	11.9	9.3	6.5	5.5
Oct-19	7.0	5.6	5.3	4.2	10.1	9.4	6.8	5.0
Nov-19	7.3	3.3	4.3	1.9	10.5	7.0	5.4	3.8
Dec-19	8.3	2.2	3.7	0.9	14.2	3.8	4.9	1.3
Jan-20	8.9	2.8	2.8	1.0	16.4	8.1	4.3	2.1
Feb-20	7.5	3.5	3.5	2.6	10.7	7.0	6.2	4.2
Mar-20	4.6	3.6	3.6	3.8	8.3	8.1	6.3	6.4
Apr-20	5.9	6.6	6.6	6.7	10.6	26.8	9.2	8.9
May-20	7.4	5.2	5.2	5.1	12.5	11.9	16.0	9.5
Jun-20	6.0	4.8	4.8	4.3	10.1	8.9	8.6	8.3
Jul-20	4.4	3.5	3.5	3.9	6.7	5.3	7.9	6.5
Aug-20	3.9	3.3	3.3	2.7	6.7	5.4	4.6	4.1
Sep-20	2.9	3.6	3.4	5.7	5.2	24.3	4.6	30.4
Oct-20	2.9	2.3	3.4	2.7	4.6	3.4	4.8	4.6
Nov-20	3.1	3.3	4.6	4.9	4.7	5.4	5.3	6.7
Dec-20	3.4	3.9	5.4	6.0	4.9	6.1	6.4	8.0
2015 Maximum	11.9	8.9	3.8	2.9	32.3	23.1	6.2	5.8
2016 Maximum	11.7	13.2	4.3	4.0	21.9	17.2	9.6	5.8
2017 Maximum	10.2	10.5	4.7	4.8	17.4	15.7	8.5	7.4
2018 Maximum	14.6	10.9	6.5	6.4	24.0	22.4	17.8	12.5
2019 Maximum	12.7	11.0	9.1	7.6	19.6	17.8	12.6	11.5
2020 Maximum	8.9	6.6	6.6	6.7	16.4	26.8	16.0	30.4
Permit Cycle Maximum	14.6	13.2	9.1	7.6	32.3	26.8	17.8	30.4
2015 Average	7.5	5.3	2.9	2.0				
2016 Average	10.1	9.0	3.0	2.6				
2017 Average	8.7	6.9	3.6	2.9				
2018 Average	10.0	7.6	3.6	2.8				
2019 Average	9.4	6.7	5.7	4.2				
2020 Average	5.1	3.9	4.2	4.1				
Permit Cycle Long Term Average	8.4	6.6	3.8	3.1				

## **Internal Outfall 006**

EPA Identification Number 110049832491	NPDES Permit Number WA0000892	Facility Name Kaiser Aluminum Washington	Outfall Number 006
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**TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))<sup>1</sup>**

Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)	
			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.								
1. Biochemical oxygen demand (BOD <sub>5</sub> )	<input type="checkbox"/>	Concentration	mg/L	1.5 J			1	
		Mass	lbs/day	64.9 J			1	
2. Chemical oxygen demand (COD)	<input type="checkbox"/>	Concentration	mg/L	10			1	
		Mass	lbs/day	433.1			1	
3. Total organic carbon (TOC)	<input type="checkbox"/>	Concentration	mg/L	1.28			1	
		Mass	lbs/day	55.4			1	
4. Total suspended solids (TSS)	<input type="checkbox"/>	Concentration	mg/L	<10			1	
		Mass	lbs/day	<433.1	See Attached	See Attached	1	
5. Ammonia (as N)	<input type="checkbox"/>	Concentration	mg/L	<0.50			1	
		Mass	lbs/day	<21.7			1	
6. Flow	<input type="checkbox"/>	Rate	MGD	5.19	See Attached	See Attached	1	
7. Temperature	<input type="checkbox"/>	°C	°C	17.7	See Attached	See Attached	1	
	<input type="checkbox"/>	°C	°C		See Attached	See Attached		
8. pH	<input type="checkbox"/>	Standard units	s.u.	7.2			1	
	<input type="checkbox"/>	Standard units	s.u.	7.2			1	

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
<input type="checkbox"/>	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.											
<b>Section 1. Toxic Metals, Cyanide, and Total Phenols</b>												
1.1	Antimony, total (7440-36-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.73 J			1		
					Mass	lbs/day	0.032 J			1		
1.2	Arsenic, total (7440-38-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	3.3			1		
					Mass	lbs/day	0.143			1		
1.3	Beryllium, total (7440-41-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.34 J			1		
					Mass	lbs/day	0.006 J			1		
1.4	Cadmium, total (7440-43-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.33 J			1		
					Mass	lbs/day	0.014 J			1		
1.5	Chromium, total (7440-47-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.85			1		
					Mass	lbs/day	0.037	See Attached	See Attached	1		
1.6	Copper, total (7440-50-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	2.5			1		
					Mass	lbs/day	0.108			1		
1.7	Lead, total (7439-92-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.40 J			1		
					Mass	lbs/day	0.017 J			1		
1.8	Mercury, total (7439-97-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.20			1		
					Mass	lbs/day	<0.022			1		
1.9	Nickel, total (7440-02-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.60 J			1		
					Mass	lbs/day	0.026 J			1		
1.10	Selenium, total (7782-49-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<8			1		
					Mass	lbs/day	<0.346			1		
1.11	Silver, total (7440-22-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.20 J			1		
					Mass	lbs/day	0.009 J			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.32 J			1		
					Mass	lbs/day	0.014 J			1		
1.13	Zinc, total (7440-66-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	20			1		
					Mass	lbs/day	0.866			1		
1.14	Cyanide, total (57-12-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
1.15	Phenols, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<20			1		
					Mass	lbs/day	<0.866			1		

**Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)**

2.1	Acrolein (107-02-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<15			1		
					Mass	lbs/day	<0.649			1		
2.2	Acrylonitrile (107-13-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
2.3	Benzene (71-43-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.4	Bromoform (75-25-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.022			1		
2.5	Carbon tetrachloride (56-23-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.6	Chlorobenzene (108-90-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.043 J			1		
					Mass	lbs/day	0.002 J			1		
2.7	Chlorodibromomethane (124-48-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.8	Chloroethane (75-00-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.022			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<6			1		
					Mass	lbs/day	<0.259			1		
2.10	Chloroform (67-66-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.032 J			1		
					Mass	lbs/day	0.001 J			1		
2.11	Dichlorobromomethane (75-27-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.12	1,1-dichloroethane (75-34-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.13	1,2-dichloroethane (107-06-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.14	1,1-dichloroethylene (75-35-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.15	1,2-dichloropropane (78-87-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.16	1,3-dichloropropylene (542-75-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.17	Ethylbenzene (100-41-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		
2.18	Methyl bromide (74-83-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.022			1		
2.19	Methyl chloride (74-87-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.5			1		
					Mass	lbs/day	<0.022			1		
2.20	Methylene chloride (75-09-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<5			1		
					Mass	lbs/day	<0.217			1		
2.21	1,1,2,2- tetrachloroethane (79-34-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2			1		
					Mass	lbs/day	<0.009			1		



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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) <sup>1</sup>													
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
2.22	Tetrachloroethylene (127-18-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.30 JB				1		
					Mass	lbs/day	0.013 JB				1		
2.23	Toluene (108-88-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.070 J				1		
					Mass	lbs/day	0.003 J				1		
2.24	1,2-trans-dichloroethylene (156-60-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.009				1		
2.25	1,1,1-trichloroethane (71-55-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.009				1		
2.26	1,1,2-trichloroethane (79-00-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.2				1		
					Mass	lbs/day	<0.009				1		
2.27	Trichloroethylene (79-01-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.071 JB				1		
					Mass	lbs/day	0.003 JB				1		
2.28	Vinyl chloride (75-01-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.02				1		
					Mass	lbs/day	<0.009				1		
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)													
3.1	2-chlorophenol (95-57-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1				1		
					Mass	lbs/day	<0.043				1		
3.2	2,4-dichlorophenol (120-83-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1				1		
					Mass	lbs/day	<0.043				1		
3.3	2,4-dimethylphenol (105-67-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<4				1		
					Mass	lbs/day	<0.173				1		
3.4	4,6-dinitro-o-cresol (534-52-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2				1		
					Mass	lbs/day	<0.087				1		
3.5	2,4-dinitrophenol (51-28-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<5				1		
					Mass	lbs/day	<0.217				1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
3.7	4-nitrophenol (100-02-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
3.8	p-chloro-m-cresol (59-50-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
3.9	Pentachlorophenol (87-86-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433	<0.433		1		
3.10	Phenol (108-95-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
3.11	2,4,6-trichlorophenol (88-05-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.2	Acenaphthylene (208-96-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.3	Anthracene (120-12-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.4	Benzidine (92-87-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<10			1		
					Mass	lbs/day	<0.433			1		
4.5	Benzo (a) anthracene (56-55-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.6	Benzo (a) pyrene (50-32-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.8	Benzo (ghi) perylene (191-24-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.9	Benzo (k) fluoranthene (207-08-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.10	Bis (2-chloroethoxy) methane (111-91-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
4.11	Bis (2-chloroethyl) ether (111-44-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.1			1		
					Mass	lbs/day	<0.004			1		
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<3			1		
					Mass	lbs/day	<0.130			1		
4.14	4-bromophenyl phenyl ether (101-55-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
4.15	Butyl benzyl phthalate (85-68-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<4			1		
					Mass	lbs/day	<0.173			1		
4.16	2-chloronaphthalene (91-58-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.17	4-chlorophenyl phenyl ether (7005-72-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
4.18	Chrysene (218-01-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.19	Dibenzo (a,h) anthracene (53-70-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.21	1,3-dichlorobenzene (541-73-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.22	1,4-dichlorobenzene (106-46-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.23	3,3-dichlorobenzidine (91-94-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2			1		
					Mass	lbs/day	<0.087			1		
4.24	Diethyl phthalate (84-66-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.23 J			1		
					Mass	lbs/day	0.010 J			1		
4.25	Dimethyl phthalate (131-11-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
4.26	Di-n-butyl phthalate (84-74-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<3			1		
					Mass	lbs/day	<0.130			1		
4.27	2,4-dinitrotoluene (121-14-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.28	2,6-dinitrotoluene (606-20-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	0.27 J			1		
					Mass	lbs/day	0.012 J			1		
4.29	Di-n-octyl phthalate (117-84-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2			1		
					Mass	lbs/day	<0.086			1		
4.31	Fluoranthene (206-44-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		
4.32	Fluorene (86-73-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.25			1		
					Mass	lbs/day	<0.011			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.6			1		
					Mass	lbs/day	<0.026			1		
4.34	Hexachlorobutadiene (87-68-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.35	Hexachlorocyclopentadiene (77-47-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2			1		
					Mass	lbs/day	<0.086			1		
4.36	Hexachloroethane (67-72-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.38	Isophorone (78-59-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.39	Naphthalene (91-20-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.40	Nitrobenzene (98-95-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.41	N-nitrosodimethylamine (62-75-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2			1		
					Mass	lbs/day	<0.086			1		
4.42	N-nitrosodi-n-propylamine (621-64-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4			1		
					Mass	lbs/day	<0.017			1		
4.43	N-nitrosodiphenylamine (86-30-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.44	Phenanthrene (85-01-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		
4.45	Pyrene (129-00-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<1			1		
					Mass	lbs/day	<0.043			1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
4.46	1,2,4-trichlorobenzene (120-82-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.4				1		
					Mass	lbs/day	<0.017				1		
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)													
5.1	Aldrin (309-00-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.025				1		
					Mass	lbs/day	<0.0011				1		
5.2	α-BHC (319-84-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.018				1		
					Mass	lbs/day	<0.0008				1		
5.3	β-BHC (319-85-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.022				1		
					Mass	lbs/day	<0.0009				1		
5.4	γ-BHC (58-89-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.015				1		
					Mass	lbs/day	<0.0006				1		
5.5	δ-BHC (319-86-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.021				1		
					Mass	lbs/day	<0.0009				1		
5.6	Chlordane (57-74-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.028				1		
					Mass	lbs/day	<0.0012				1		
5.7	4,4'-DDT (50-29-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.021				1		
					Mass	lbs/day	<0.0009				1		
5.8	4,4'-DDE (72-55-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.10				1		
					Mass	lbs/day	<0.0043				1		
5.9	4,4'-DDD (72-54-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.15				1		
					Mass	lbs/day	<0.0065				1		
5.10	Dieldrin (60-57-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.018				1		
					Mass	lbs/day	<0.0008				1		
5.11	α-endosulfan (115-29-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.021				1		
					Mass	lbs/day	<0.0009				1		

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**TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))<sup>1</sup>**

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.025			1		
					Mass	lbs/day	<0.0011			1		
5.13	Endosulfan sulfate (1031-07-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.021			1		
					Mass	lbs/day	<0.0009			1		
5.14	Endrin (72-20-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.012			1		
					Mass	lbs/day	<0.0005			1		
5.15	Endrin aldehyde (7421-93-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.062			1		
					Mass	lbs/day	<0.0027			1		
5.16	Heptachlor (76-44-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.015			1		
					Mass	lbs/day	<0.0006			1		
5.17	Heptachlor epoxide (1024-57-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.021			1		
					Mass	lbs/day	<0.0009			1		
5.18	PCB-1242 (53469-21-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		
5.19	PCB-1254 (11097-69-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		
5.20	PCB-1221 (11104-28-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		
5.21	PCB-1232 (11141-16-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		
5.22	PCB-1248 (12672-29-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		
5.23	PCB-1260 (11096-82-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		
5.24	PCB-1016 (12674-11-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<0.46			1		
					Mass	lbs/day	<0.020			1		

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) <sup>1</sup>													
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
5.25	Toxaphene (8001-35-2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/L	<2.1				1		
					Mass	lbs/day	<0.0910				1		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)			
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses		
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>present</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.											
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>absent</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.											
1. Bromide (24959-67-9)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1		1				
			Mass	lbs/day	43.31		1				
2. Chlorine, total residual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.5		1				
			Mass	lbs/day	21.66		1				
3. Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	Color units	<5		1				
			Mass								
4. Fecal coliform	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	MPN	<1		1				
			Mass								
5. Fluoride (16984-48-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.20		1				
			Mass	lbs/day	<8.66		1				
6. Nitrate-nitrite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	6.77		1				
			Mass	lbs/day	293.21		1				
7. Nitrogen, total organic (as N)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.45		1				
			Mass	lbs/day	19.49		1				
8. Oil and grease	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<5		1				
			Mass	lbs/day	216.55	See Attached	1				
9. Phosphorus (as P), total (7723-14-0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.060		1				
			Mass	lbs/day	2.60		1				
10. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	20		1				
			Mass	lbs/day	866.2		1				
11. Sulfide (as S)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1		1				
			Mass	lbs/day	<43.31		1				

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO <sub>3</sub> ) (14265-45-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	1			1		
				Mass	lbs/day	43.31			1		
13.	Surfactants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.10			1		
				Mass	lbs/day	<4.33			1		
14.	Aluminum, total (7429-90-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<1.5	See Attached	See Attached	1		
				Mass	lbs/day	64.97			1		
15.	Barium, total (7440-39-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.023			1		
				Mass	lbs/day	0.99			1		
16.	Boron, total (7440-42-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<2.5			1		
				Mass	lbs/day	<108.28			1		
17.	Cobalt, total (7440-48-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.02			1		
				Mass	lbs/day	<0.87			1		
18.	Iron, total (7439-89-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.5			1		
				Mass	lbs/day	<21.66			1		
19.	Magnesium, total (7439-95-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	11			1		
				Mass	lbs/day	476.41			1		
20.	Molybdenum, total (7439-98-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.04			1		
				Mass	lbs/day	<1.73			1		
21.	Manganese, total (7439-96-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.02			1		
				Mass	lbs/day	<0.87			1		
22.	Tin, total (7440-31-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	<0.1			1		
				Mass	lbs/day	<4.33			1		
23.	Titanium, total (7440-32-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.0062 J			1		
				Mass	lbs/day	0.27 J			1		

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**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
	Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity										
Alpha, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							
Beta, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							
Radium, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							
Radium 226, total	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	pC/L				1		
			Mass							

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2.	Acetaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3.	Allyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.	Allyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5.	Amyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6.	Aniline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7.	Benzonitrile	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8.	Benzyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9.	Butyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10.	Butylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11.	Captan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
12.	Carbaryl	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
13.	Carbofuran	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
14.	Carbon disulfide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
15.	Chlorpyrifos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
16.	Coumaphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
17.	Cresol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
18.	Crotonaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19.	Cyclohexane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
21.	Diazinon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
22.	Dicamba	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
23.	Dichlobenil	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
24.	Dichlone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
25.	2,2-dichloropropionic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26.	Dichlorvos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
27.	Diethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
28.	Dimethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29.	Dinitrobenzene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
30.	Diquat	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
31.	Disulfoton	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
32.	Diuron	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
33.	Epichlorohydrin	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
34.	Ethion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
35.	Ethylene diamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
36.	Ethylene dibromide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
37.	Formaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
38.	Furfural	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
40.	Isoprene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
41.	Isopropanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42.	Kelthane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
43.	Kepone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
44.	Malathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
45.	Mercaptodimethur	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46.	Methoxychlor	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
47.	Methyl mercaptan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
48.	Methyl methacrylate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
49.	Methyl parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
50.	Mevinphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
51.	Mexacarbate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
52.	Monoethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
53.	Monomethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
54.	Naled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
55.	Naphthenic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
56.	Nitrotoluene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
57.	Parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
59.	Phosgene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
60.	Propargite	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
61.	Propylene oxide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
62.	Pyrethrins	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
63.	Quinoline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
64.	Resorcinol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
65.	Strontium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
66.	Strychnine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
67.	Styrene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
69.	TDE (tetrachlorodiphenyl ethane)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
71.	Trichlorofon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
72.	Triethanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
73.	Triethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
74.	Trimethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
75.	Uranium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
76.	Vanadium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
78.	Xylene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
79.	Xylenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
80.	Zirconium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



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**TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))**

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<10 picograms/liter; EDL:0.54 picograms/liter

## **Internal Outfall 006 Attachments**

# Outfall 006 Permit Cycle Data Summary

	Monthly Averages					Monthly Daily Maximum				
Month	O&G (lbs/d)	TSS (lbs/d)	Al (lbs/d)	Cr (lbs/d)	Flow (mgd)	O&G (lbs/d)	TSS (lbs/d)	Al (lbs/d)	Cr (lbs/d)	Flow (mgd)
Jan-15	44	71	2.4	ND	7.5	125	125	3.9	ND	8.2
Feb-15	27	28	2.9	ND	7.6	79	84	4.0	ND	8.1
Mar-15	34	67	2.4	0.10	8.1	59	142	4.0	0.70	9.3
Apr-15	39	81	2.4	ND	7.9	91	132	4.8	ND	8.9
May-15	105	82	3.5	ND	8.7	146	141	5.5	0.40	9.9
Jun-15	271	63	5.4	ND	9.5	1,016	151	8.5	0.40	10.3
Jul-15	62	71	4.1	0.10	9.0	145	147	8.0	0.40	9.5
Aug-15	64	76	2.9	ND	8.6	152	115	4.9	0.20	9.4
Sep-15	50	90	3.3	0.10	9.0	114	212	5.7	0.40	9.5
Oct-15	87	48	2.8	ND	8.9	191	104	5.0	ND	9.9
Nov-15	69	53	5.2	0.10	8.3	108	103	6.7	0.40	8.8
Dec-15	51	67	4.4	0.10	7.9	143	104	7.5	0.30	9.0
Jan-16	53	79	3.0	-0.10	8.0	72	111	4.0	ND	9.1
Feb-16	76	64	2.5	ND	8.1	149	102	4.1	ND	8.9
Mar-16	85	54	2.9	ND	8.3	242	107	4.2	0.30	9.1
Apr-16	40	39	2.0	ND	8.5	91	91	3.3	ND	9.5
May-16	66	50	3.3	ND	8.7	123	86	4.6	ND	9.2
Jun-16	67	83	3.8	ND	9.5	115	186	5.7	ND	10.0
Jul-16	40	32	3.6	0.10	9.8	120	59	4.0	0.50	10.4
Aug-16	71	55	3.2	0.10	9.4	106	127	5.0	0.50	9.8
Sep-16	51	73	3.6	ND	9.3	78	183	4.7	ND	10.0
Oct-16	73	25	4.1	0.10	8.8	159	78	5.0	0.40	9.7
Nov-16	69	15	5.1	0.10	8.5	132	50	6.6	0.40	9.3
Dec-16	49	37	4.6	ND	8.5	77	127	7.1	ND	9.3
Jan-17	60	65	6.2	0.20	8.5	115	126	8.6	0.60	9.3
Feb-17	36	42	6.7	0.30	8.7	106	71	8.6	0.50	9.8
Mar-17	93	28	3.5	0.20	8.5	202	66	5.8	0.50	9.2
Apr-17	59	12	1.2	0.20	8.9	91	73	3.2	0.50	9.5
May-17	82	80	3.8	0.20	8.9	188	284	9.3	0.50	9.7
Jun-17	50	143	4.4	0.20	9.1	87	215	6.5	0.50	10.1

# Outfall 006 Permit Cycle Data Summary

Month	Monthly Averages					Monthly Daily Maximum				
	O&G (lbs/d)	TSS (lbs/d)	Al (lbs/d)	Cr (lbs/d)	Flow (mgd)	O&G (lbs/d)	TSS (lbs/d)	Al (lbs/d)	Cr (lbs/d)	Flow (mgd)
Jul-17	93	155	4.9	0.20	9.3	211	268	6.5	0.30	9.9
Aug-17	60	78	2.8	ND	9.4	155	144	5.4	ND	10.3
Sep-17	41	74	4.5	ND	9.0	97	90	9.8	ND	9.4
Oct-17	83	84	3.2	ND	8.8	130	139	6.7	ND	10.0
Nov-17	87	129	3.9	ND	8.6	185	217	5.4	ND	9.8
Dec-17	75	123	3.7	ND	8.4	107	210	4.2	ND	9.5
Jan-18	83	85	3.7	ND	8.9	180	154	4.2	ND	9.8
Feb-18	63	65	4.0	ND	8.5	110	134	5.0	ND	8.9
Mar-18	86	106	2.9	ND	8.6	151	135	4.7	ND	9.6
Apr-18	136	176	3.2	ND	8.5	259	435	5.1	ND	9.1
May-18	115	105	5.9	0.20	9.2	207	187	8.3	0.30	10.0
Jun-18	134	77	3.0	ND	8.5	167	118	4.4	ND	9.3
Jul-18	160	113	3.7	0.10	8.9	222	203	5.5	0.20	9.2
Aug-18	74	89	4.2	2.00	8.9	170	161	5.6	0.20	9.4
Sep-18	64	73	4.0	0.01	8.6	110	123	7.1	0.05	10.0
Oct-18	89	155	2.2	0.09	7.5	118	338	4.4	0.13	8.9
Nov-18	33	70	4.2	0.14	7.2	66	126	6.3	0.17	9.2
Dec-18	57	64	3.5	-0.02	6.7	124	98	5.3	0.07	7.4
Jan-19	98	81	3.7	0.10	6.5	167	166	5.8	0.20	7.9
Feb-19	164	76	3.0	0.10	6.7	198	106	4.2	0.10	6.9
Mar-19	64	62	2.5	0.10	6.9	107	87	4.0	0.10	7.4
Apr-19	57	8	3.8	0.01	6.6	142	320	5.3	0.13	7.1
May-19	81	82	1.4	0.13	6.8	187	112	3.0	0.14	7.7
Jun-19	55	87	3.4	0.14	7.1	117	149	5.0	0.16	8.9
Jul-19	65	211	3.9	0.07	7.7	137	837	5.4	0.15	9.5
Aug-19	94	107	3.0	0.20	7.1	158	180	4.0	0.50	7.9
Sep-19	167	145	3.7	0.14	7.0	254	189	5.2	0.14	7.8
Oct-19	87	133	3.4	0.01	6.6	167	199	4.6	0.01	7.2
Nov-19	88	149	3.4	0.12	6.1	234	227	5.0	0.14	6.8
Dec-19	101	106	3.7	0.11	6.3	228	180	4.7	0.11	6.8

# Outfall 006 Permit Cycle Data Summary

	Monthly Averages					Monthly Daily Maximum				
Month	O&G (lbs/d)	TSS (lbs/d)	Al (lbs/d)	Cr (lbs/d)	Flow (mgd)	O&G (lbs/d)	TSS (lbs/d)	Al (lbs/d)	Cr (lbs/d)	Flow (mgd)
Jan-20	89	82	3.5	0.12	6.0	144	130	4.7	0.13	6.8
Feb-20	40	91	3.0	0.11	5.9	134	129	4.0	0.13	6.5
Mar-20	106	91	2.6	0.12	6.0	134	118	2.8	0.12	7.1
Apr-20	102	109	2.6	0.12	6.1	189	176	3.6	0.13	6.6
May-20	130	99	2.0	0.13	6.2	244	188	2.3	0.19	7.9
Jun-20	117	75	1.9	0.14	6.2	181	101	2.5	0.27	7.0
Jul-20	87	92	1.9	0.11	5.4	160	190	2.2	0.12	6.6
Aug-20	94	79	1.7	0.10	5.3	329	138	2.0	0.12	5.9
Sep-20	101	77	2.1	0.11	5.4	152	104	3.3	0.12	6.1
Oct-20	94	63	2.0	0.11	5.3	142	87	2.7	0.12	6.0
Nov-20	139	80	2.0	0.10	5.1	276	259	3.2	0.11	5.9
Dec-20	117	57	2.7	ND	5.0	232	113	7.2	0.30	5.5
2015 Maximum	271	90	5.4	0.10	9.5	1,016	212	8.5	0.70	10.3
2016 Maximum	85	83	5.1	0.10	9.8	242	186	7.1	0.50	10.4
2017 Maximum	93	155	6.7	0.30	9.4	211	284	9.8	0.60	10.3
2018 Maximum	160	176	5.9	2.00	9.2	259	435	8.3	0.30	10.0
2019 Maximum	167	211	3.9	0.20	7.7	254	837	5.8	0.50	9.5
2020 Maximum	139	109	3.5	0.14	6.2	329	259	7.2	0.30	7.9
Permit Cycle Maximum	271	211	6.7	2.00	9.8	1,016	837	9.8	0.70	10.4
2015 Average	75	66	3.5	0.10	8.4					
2016 Average	62	51	3.5	0.06	8.8					
2017 Average	68	84	4.1	0.21	8.8					
2018 Average	91	98	3.7	0.36	8.3					
2019 Average	93	104	3.2	0.10	6.8					
2020 Average	101	83	2.3	0.12	5.6					
Permit Cycle Long Term Average	82	81	3.4	0.16	7.8					

## **Walnut Shell Filtration System Inlet Summary**

Form 2C, Section 7 Attachments  
Walnut Shell Filtration System Inlet Permit Cycle Data Summary

**Walnut Shell Filtration System (WSFS) Inlet PCB Data**

Year 2015										
BWSF System Inlet - PCB Analytical Summary										
Sample Date	Flow (MGD)	PCB Aroclor Results - nanograms per liter (ng/l)							Aroclor Total	Loading (g/day)
		1016	1221	1232	1242	1248	1254	1260		
01/07/15	7.33	<5	<11	<5	6.70	<5	<5	<5	6.7	0.19
01/21/15	7.75	<5	<10	<5	5.80	<5	<5	<5	5.8	0.17
02/04/15	7.00	<5	<10	<5	8.2	<5	<5	<5	8.2	0.22
02/18/15	7.54	<5	<10	<5	5.9	<5	<5	<5	5.9	0.17
03/04/15	7.63	<5	<10	<5	8.6	<5	<5	<5	8.6	0.25
03/18/15	8.61	<5	<11	<5	20	<5	<5	<5	20	0.65
04/01/15	8.41	<5	<11	<5	12	<5	<5	<5	12	0.38
04/15/15	6.41	<5	<10	<5	14	<5	<5	<5	14	0.34
04/29/15	8.00	<5	<11	<5	10	<5	<5	<5	10	0.30
05/13/15	8.61	<5	<11	<5	15	<5	<5	<5	15	0.49
05/27/15	9.52	<5	<10	<5	11	<5	<5	<5	11	0.40
06/10/15	9.18	<5	<10	<5	7.3	<5	<5	<5	7.3	0.25
06/24/15	9.47	<5	<10	<5	7.3	<5	<5	<5	7.3	0.26
07/08/15	9.16	<5	<10	<5	15	<5	<5	<5	15	0.52
07/22/15	8.94	<5	<10	<5	11	<5	<5	<5	11	0.37
08/05/15	9.05	<5	<10	<5	13	<5	<5	<5	13	0.45
08/19/15	8.24	<5	<10	<5	10	<5	<5	<5	10	0.31
09/02/15	9.53	<5	<10	<5	12	<5	<5	<5	12	0.43
09/17/15	8.88	<5	<10	<5	10	<5	<5	<5	10	0.34
09/30/15	8.64	<5	<10	<5	13	<5	<5	<5	13	0.42
10/14/15	8.85	<5	<11	<5	8.3	<5	<5	<5	8.3	0.28
10/28/15	9.02	<5	<10	<5	10	<5	<5	<5	10	0.34
11/11/15	8.37	<5	<10	<5	6.1	<5	<5	<5	6.1	0.19
11/25/15	8.03	<5	<10	<5	8.2	<5	<5	<5	8.2	0.25
12/09/15	8.27	<5	<10	<5	10	<5	<5	<5	10	0.31
12/22/15	8.24	<5	<10	<5	12	<5	<5	<5	12	0.37
<b>Annual Average</b>									10.4	0.333
<b>Annual Median</b>									10.0	0.325

(Note: If Aroclor 1242 is reported as "<", one half of the reported detection limit for Aroclor 1242 is used to calculate loading)

Form 2C, Section 7 Attachments  
Walnut Shell Filtration System Inlet Permit Cycle Data Summary

**Walnut Shell Filtration System (WSFS) Inlet PCB Data**

Year 2016										
BWSF System Inlet - PCB Analytical Summary										
Sample Date	Flow (MGD)	PCB Aroclor Results - nanograms per liter (ng/l)							Aroclor Total	Loading (g/day)
		1016	1221	1232	1242	1248	1254	1260		
01/06/16	8.05	<5	<10	<5	8.8	<5	<5	<5	8.8	0.27
01/20/16	8.26	<5	<10	<5	10	<5	<5	<5	10.0	0.31
02/03/16	8.19	<5	<10	<5	9.4	<5	<5	<5	9.4	0.29
02/17/16	8.10	<5	<10	<5	11	<5	<5	<5	11.0	0.34
03/02/16	8.64	<5	<10	<5	11	<5	<5	<5	11.0	0.36
03/16/16	8.20	<5	<10	<5	9	<5	<5	<5	9.0	0.28
03/30/16	8.50	<5	<10	<5	6.8	<5	<5	<5	6.8	0.22
04/13/16	8.57	<5	<10	<5	8.6	<5	<5	<5	8.6	0.28
04/27/16	8.30	<5	<10	<5	9.6	<5	<5	<5	9.6	0.30
05/11/16	8.34	<5	<10	<5	7.4	<5	<5	<5	7.4	0.23
05/25/16	8.90	<5	<10	<5	7.8	<5	<5	<5	7.8	0.26
06/08/16	9.41	<5	<11	<5	6	<5	<5	<5	6.0	0.21
06/22/16	9.09	<5	<11	<5	8.3	<5	<5	<5	8.3	0.29
07/06/16	9.80	<5	<10	<5	6.5	<5	<5	<5	6.5	0.24
07/20/16	9.64	<6	<11	<11	<7.9	<7	<5	<5	4.0	0.14
08/03/16	9.18	<5	<10	<5	9.5	<5	<5	<5	9.5	0.33
08/17/16	9.76	<5	<10	<5	7.6	<5	<5	<5	7.6	0.28
08/31/16	9.29	<5	<5	<5	23	<5	7.1	<5	30.1	1.06
09/14/16	9.28	<5	<10	<5	16	<5	<5	<5	16.0	0.56
09/28/16	9.16	<7	<15	<7	16	<7	<7	<7	16.0	0.55
10/12/16	8.32	<5	<5	<5	8.9	<5	<5	<5	8.9	0.28
10/26/16	8.84	<5	<10	<5	10	<5	<5	<5	10.0	0.33
11/09/16	8.00	<5	<10	<5	8.6	<5	<5	<5	8.6	0.26
11/23/16	8.90	<5	<10	<5	7.7	<5	<5	<5	7.7	0.26
12/07/16	8.47	<5	<10	<5	9.2	<5	<5	<5	9.2	0.29
12/21/16	9.13	<5	<11	<5	11	<5	<5	<5	11.0	0.38
<b>Annual Average</b>									10.0	0.332
<b>Annual Median</b>									9.0	0.283

(Note: If Aroclor 1242 is reported as "<", one half of the reported detection limit for Aroclor 1242 is used to calculate loading)



Form 2C, Section 7 Attachments  
Walnut Shell Filtration System Inlet Permit Cycle Data Summary

**Walnut Shell Filtration System (WSFS) Inlet PCB Data**

Year 2017										
BWSF System Inlet - PCB Analytical Summary										
Sample Date	Flow (MGD)	PCB Aroclor Results - nanograms per liter (ng/l)							Aroclor Total	Loading (g/day)
		1016	1221	1232	1242	1248	1254	1260		
01/04/17	8.30	<5	<11	<5	10	<5	<5	<5	10.0	0.31
01/18/17	8.82	<5	<10	<5	10	<5	<5	<5	10.0	0.33
02/01/17	8.42	<5	<11	<5	9.1	<5	<5	<5	9.1	0.29
02/15/17	8.21	<5	<11	<5	10	<5	<5	<5	10.0	0.31
03/01/17	8.82	<5	<10	<5	15	<5	<5	<5	15.0	0.50
03/15/17	8.48	<5	<11	<5	60	<5	<5	<5	60.0	1.93
03/29/17	8.10	<5	<10	<5	16	<5	<5	<5	16.0	0.49
04/12/17	8.46	<5	<11	<5	37	<5	<5	<5	37.0	1.18
04/26/17	9.14	<5	<10	<5	29	<5	<5	<5	29.0	1.00
05/10/17	9.08	<5	<10	<5	15	<5	<5	<5	15.0	0.52
05/24/17	8.97	<5	<10	<5	15	<5	<5	<5	15.0	0.51
06/07/17	9.29	<5	<10	<5	16	<5	<5	<5	16.0	0.56
06/21/17	9.46	<5	<10	<5	13	<5	<5	<5	13.0	0.47
07/05/17	9.72	<5	<10	<5	38	<5	<5	<5	38.0	1.40
07/19/17	8.93	<5	<10	<10	9.8	<5	<5	<5	9.8	0.33
08/02/17	9.72	<5	<11	<5	12	<5	<5	<5	12.0	0.44
08/16/17	9.31	<5	<11	<5	13	<5	<5	<5	13.0	0.46
08/30/17	9.86	<5	<11	<5	12	<5	<5	<5	12.0	0.45
09/13/17	9.37	<5	<11	<5	11	<5	<5	<5	11.0	0.39
09/27/17	9.07	<5	<11	<5	11	<5	<5	<5	11.0	0.38
10/11/17	8.83	<5	<11	<5	11	<5	<5	<5	11.0	0.37
10/25/17	8.14	<5	<11	<5	18	<5	<5	<5	18.0	0.55
11/08/17	8.22	<5	<11	<5	12	<5	<5	<5	18.0	0.56
11/22/17	9.16	<5	<10	<5	11	<5	<5	<5	11.0	0.38
12/07/17	8.31	<5	<10	<5	13	<5	<5	<5	13.0	0.41
12/20/17	9.30	<5	<10	<5	<5	<5	<5	<5	2.5	0.09
<b>Annual Average</b>									16.7	0.562
<b>Annual Median</b>									13.0	0.453

(Note: If Aroclor 1242 is reported as "<", one half of the reported detection limit for Aroclor 1242 is used to calculate loading)

Form 2C, Section 7 Attachments  
Walnut Shell Filtration System Inlet Permit Cycle Data Summary

**Walnut Shell Filtration System (WSFS) Inlet PCB Data**

Year 2018										
BWSF System Inlet - PCB Analytical Summary										
Sample Date	Flow (MGD)	PCB Aroclor Results - nanograms per liter (ng/l)							Aroclor Total	Loading (g/day)
		1016	1221	1232	1242	1248	1254	1260		
01/03/18	8.76	<5	<11	<5	19	<5	<5	<5	19.0	0.63
01/17/18	9.57	<5	<11	<5	10	<5	<5	<5	10.0	0.36
01/31/18	9.22	<5	<11	<5	6	<5	<5	<5	6.0	0.21
02/14/18	8.51	<5	<10	<5	30	<5	<5	<5	30.0	0.97
02/28/18	8.45	<5	<10	<5	16	<5	<5	<5	16.0	0.51
03/14/18	8.68	<5	<11	<5	17	<5	<5	<5	17.0	0.56
03/28/18	8.00	<13	<11	<32	<21	<23	<5	<5	10.5	0.32
04/11/18	8.52	<5	<10	<5	5.6	<5	<5	<5	5.6	0.18
04/25/18	8.41	<5	<10	<5	12	<5	<5	<5	12.0	0.38
05/09/18	9.12	<9.5	<19	<9.5	4.75	<5	<5	<9.5	4.8	0.16
05/23/18	9.52	<9.7	<20	<9.7	4.85	<9.7	<9.7	<9.7	5.0	0.18
06/06/18	8.78	<10	<20	<10	12	<10	<10	<10	12.0	0.40
06/20/18	8.69	<5	<11	<5	8.9	<5	<5	<5	8.9	0.29
07/04/18	8.79	<11	<21	<11	<11	<11	<11	<11	5.5	0.18
07/18/18	9.12	<5	<11	<5	10	<5	<5	<5	10.0	0.35
08/01/18	8.87	<11	<21	<11	<11	<11	<11	<11	5.5	0.18
08/15/18	8.47	<10	<20	<10	<10	<10	<10	<10	5.0	0.16
08/29/18	8.64	<10	<20	<10	<10	<10	<10	<10	5.0	0.16
09/12/18	8.33	<5	<10	<5	19	<5	<5	<5	19.0	0.60
09/26/18	8.46	<10	<20	<10	19	<10	<10	<10	19.0	0.61
10/10/18	8.01	<5	<10	<5	15	<5	<5	<5	15.0	0.45
10/24/18	6.89	<10	<20	<10	<13	<11	<10	<10	6.5	0.17
11/07/18	6.98	<5	<10	<5	7.9	<5	<5	<5	7.9	0.21
11/21/18	6.55	<5	<10	<14	5	<10	<10	<10	5.0	0.12
12/05/18	6.56	<14	<20	<28	10.5	<26	<10	<10	10.5	0.26
12/18/18	6.99	<5	<10	<5	17	<5	<5	<5	17.0	0.45

Annual Average 11.1 0.349

Annual Median 10.0 0.306

(Note: If Aroclor 1242 is reported as "<", one half of the reported detection limit for Aroclor 1242 is used to calculate loading)

Form 2C, Section 7 Attachments  
Walnut Shell Filtration System Inlet Permit Cycle Data Summary

**Walnut Shell Filtration System (WSFS) Inlet PCB Data**

Year 2019										
BWSF System Inlet - PCB Analytical Summary										
Sample Date	Flow (MGD)	PCB Aroclor Results - nanograms per liter (ng/l)							Aroclor Total	Loading (g/day)
		1016	1221	1232	1242	1248	1254	1260		
01/03/19	7.92	<10	<20	<10	14	<10	<10	<10	14	0.42
01/16/19	6.24	<10	<20	<10	15	<10	<10	<10	15	0.35
01/30/19	6.26	<5	<10	<5	15	<5	<5	<5	15	0.36
02/13/19	6.93	<5	<5	<5	17	<5	<5	<5	17	0.45
02/27/19	6.76	<5	<11	<5	15	<5	<5	<5	15	0.38
03/14/19	7.39	<5	<10	<5	14	<5	<8	<5	14	0.39
03/27/19	6.81	<5	<10	<5	8.4	<5	<5	<5	8.4	0.22
04/10/19	6.94	<5	<10	<5	7.6	<5	<5	<5	7.6	0.20
04/24/19	6.35	<5	<10	<5	6.6	<5	<5	<5	6.6	0.16
05/08/19	6.66	<200	<400	<200	100	<200	<200	<200	100	2.52
05/22/19	6.39	<5	<10	<5	18	<5	5.6	<5	23.6	0.57
06/05/19	6.39	<5	<10	<5	20	<5	<5	<5	20	0.48
06/19/19	7.64	<10	<20	<10	11	<5	<10	<10	11	0.32
07/03/19	7.63	<5	<10	<5	25	<5	<5	<5	25	0.72
07/17/19	9.10	<13	<25	<13	<13	81	<13	<13	81	2.79
07/31/19	7.02	<10	<20	<10	27	<10	<10	<10	27	0.72
08/14/19	6.92	<5	<10	<5	6.9	<5	<5	<5	6.9	0.18
08/28/19	6.30	<5	<10	<5	15	<5	<5	<5	15	0.36
09/11/19	7.46	<5	<10	<5	11	<5	<5	<5	11	0.31
09/25/19	7.13	<5	<10	<5	12	<5	<5	<5	12	0.32
10/09/19	7.05	<5	<10	<5	27	<5	<5	<5	27	0.72
10/23/19	6.31	<5	<10	<5	32	<5	<5	<5	32	0.76
11/06/19	6.24	<5	<10	<5	18	<5	<5	<5	18	0.43
11/20/19	5.92	<5	<10	<5	17	<5	<5	<5	17	0.38
12/04/19	6.28	<5	<10	<5	13	<5	<5	<5	13	0.31
12/18/19	6.25	<10	<20	<10	<10	<10	<10	<10	5	0.12

Annual Average 21.4 0.574

Annual Median 15.0 0.383

(Note: If Aroclor 1242 is reported as "<", one half of the reported detection limit for Aroclor 1242 is used to calculate loading)

Form 2C, Section 7 Attachments  
Walnut Shell Filtration System Inlet Permit Cycle Data Summary

**Walnut Shell Filtration System (WSFS) Inlet PCB Data**

Year 2020										
BWSF System Inlet - PCB Analytical Summary										
Sample Date	Flow (MGD)	PCB Aroclor Results - nanograms per liter (ng/l)							Aroclor Total	Loading (g/day)
		1016	1221	1232	1242	1248	1254	1260		
01/02/20	5.95	<5	<10	<5	38	<5	<5	<5	38	0.86
01/15/20	5.95	<5	<10	<5	21	<5	<5	<5	21	0.47
01/29/20	5.80	<5	<10	<5	<5	29	<5	<5	29	0.64
02/12/20	5.94	<5	<10	<5	<5	10	<5	<5	10	0.22
02/26/20	5.66	<5	<10	<5	12	<5	<8	<5	12	0.26
03/11/20	5.86	<5	<10	<5	11	<5	7.8	<5	19	0.42
03/25/20	6.16	<5	<10	<5	18	<5	13	<5	31	0.72
04/08/20	6.11	<5	<10	<5	16	<5	<5	<5	16	0.37
04/22/20	6.11	<5	<10	<5	21	<5	<5	<5	21	0.49
05/06/20	6.37	<5	<10	<5	15	<5	<5	<5	15	0.36
05/20/20	6.07	<5	<10	<5	<5	30	<5	<5	30	0.69
06/03/20	6.38	<5	<10	<5	<5	16	<5	<5	16	0.39
06/17/20	6.07	<5	<10	<5	<5	20	<5	<5	20	0.46
07/01/20	6.08	<5	<10	<5	<5	25	<5	<5	25	0.58
07/15/20	6.34	<5	<10	<5	<5	17	<5	<5	17	0.41
07/29/20	5.68	<5	<10	<5	8	<5	<5	<5	8	0.19
08/12/20	5.59	<5	<10	<5	18	<5	<7	<5	18	0.38
08/26/20	5.45	<5	<10	<5	18	<5	11	<5	29	0.60
09/09/20	5.68	<5	<10	<5	10	<5	<5	<5	10	0.21
09/23/20	5.77	<10	<20	<10	5	<10	<10	<10	5	0.11
10/07/20	5.99	<5	<10	<5	8	<5	<5	<5	8	0.17
10/21/20	5.57	<5	<10	<5	21	<5	<7	<5	21	0.44
11/04/20	5.37	<5	<10	<5	17	<5	<8	<5	17	0.35
11/18/20	5.30	<5	<10	<5	21	<5	<5	<5	21	0.42
12/02/20	5.37	<10	<20	<10	5	<12	<10	<10	5	0.10
12/16/20	5.50	<5	<10	<5	8	<5	<5	<5	8	0.17
12/30/20	5.31	<5	<10	<5	10	<5	<5	<5	10	0.20
<b>Annual Average</b>									17.8	0.395
<b>Annual Median</b>									17.5	0.397

(Note: If Aroclor 1242 is reported as "<", one half of the reported detection limit for Aroclor 1242 is used to calculate loading)

**From:** [Hallinan, Patrick J. \(ECY\)](#)  
**To:** [Joy, Shara-Li \(ECY\)](#)  
**Subject:** FW: Kaiser NPDES Permit Renewal Application  
**Date:** Monday, March 1, 2021 3:32:20 PM  
**Attachments:** [2020 Renewal Application - Signed 30121 rePDF.pdf](#)

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Kaiser's renewal application...

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**From:** Downey, Brent <Brent.Downey@kaisertwd.com>  
**Sent:** Monday, March 1, 2021 2:12 PM  
**To:** Hallinan, Patrick J. (ECY) <PHAL461@ECY.WA.GOV>  
**Subject:** Kaiser NPDES Permit Renewal Application

**THIS EMAIL ORIGINATED FROM OUTSIDE THE WASHINGTON STATE EMAIL SYSTEM - Take caution not to open attachments or links unless you know the sender AND were expecting the attachment or the link**

Pat,

Attached is Kaiser's NPDES permit renewal application. A hard copy is in the mail to your office.

Please let me know if you have any questions or comments.

Thanks,

Brent

**Brent Downey**  
***Kaiser Aluminum - Trentwood Works***  
**Manager - Environmental Affairs**  
Office Phone: (509) 927-6219  
Mobile Phone: (509) 990-1327

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