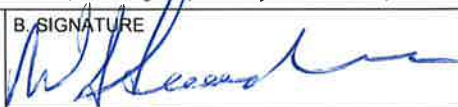


ATTACHMENT I

Please print or type in the unshaded areas only.

Form Approved, OMB No. 2040-0086.

FORM 1 GENERAL	 U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">I. EPA I.D. NUMBER</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td style="width:5%;">S</td> <td style="width:85%;">NM0890010515</td> <td style="width:5%;">T/A</td> <td style="width:5%;">C</td> <td style="width:5%;"></td> </tr> <tr> <td>F</td> <td></td> <td></td> <td>D</td> <td></td> </tr> <tr> <td>1</td> <td>2</td> <td>13</td> <td>14</td> <td>15</td> </tr> </table>	I. EPA I.D. NUMBER					S	NM0890010515	T/A	C		F			D		1	2	13	14	15																																																																																	
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II. POLLUTANT CHARACTERISTICS INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms .																																																																																																							
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VII. SIC CODES (4-digit, in order of priority)																													
A. FIRST										B. SECOND																			
C	7	9	7	1	1	(specify) NATIONAL SECURITY					C	7	9	6	6	1	(specify) SPACE RESEARCH AND TECHNOLOGY												
15	16	19													15	16	19												
C. THIRD										D. FOURTH																			
C	7	9	9	2	2	(specify) SCIENTIFIC RESEARCH					C	7	9	6	1	1	(specify) ENERGY DEVELOPMENT												
15	16	19													15	16	19												
VIII. OPERATOR INFORMATION																													
A. NAME															B. Is the name listed in Item VIII-A also the owner?														
C	8	TRIAD NATIONAL SECURITY, LLC													☐ YES ☒ NO														
15	16														55	56													
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other," specify.)															D. PHONE (area code & no.)														
F = FEDERAL S = STATE P = PRIVATE										M = PUBLIC (other than federal or state) O = OTHER (specify)					M (specify)					A (505) 667-4218									
															56					15 16 18 19 21 22 26									
E. STREET OR P.O. BOX																													
P.O. BOX 1663																													
26															55														
F. CITY OR TOWN															G. STATE		H. ZIP CODE		IX. INDIAN LAND										
C	B	LOS ALAMOS													NM		87544		Is the facility located on Indian lands? ☐ YES ☒ NO										
15	16														40	41	42	47	51	52									
X. EXISTING ENVIRONMENTAL PERMITS																													
A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)																			
C	T	I	NM0028355							C	T	I	P100R1																
9	N									9	P																		
15	16	17	18					30	15	16	17	18					30												
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)																			
C	T	I	DP-1835							C	T	I	SEE APPENDIX A																
9	U									9																			
15	16	17	18					30	15	16	17	18					30												
C. RCRA (Hazardous Wastes)										E. OTHER (specify)																			
C	T	I	NM0890010515-1							C	T	I																	
9	R									9																			
15	16	17	18					30	15	16	17	18					30												
XI. MAP																													
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.																													
XII. NATURE OF BUSINESS (provide a brief description)																													
The Los Alamos National Laboratory is a multidisciplinary/multi-program laboratory. The Laboratory's central mission is to reduce the nuclear danger through evaluation and stockpile stewardship. It also provides significant programmatic support to many civilian efforts. Because of evolving technologies and changing national and international priorities, the Laboratory increasingly uses its multidisciplinary research and development capabilities to solve civilian problems in the areas of health, national infrastructure, energy, education, aeronautics, and the environment. Extensive basic research programs in physics, chemistry, metallurgy, mathematics and computers, earth sciences, and electronics support these efforts.																													
XIII. CERTIFICATION (see instructions)																													
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.																													
A. NAME & OFFICIAL TITLE (type or print)										B. SIGNATURE					C. DATE SIGNED														
William S. Goodrum, Manager Los Alamos Field Office															3-25-2019														
COMMENTS FOR OFFICIAL USE ONLY																													
C																													
C																													
15	16														55														

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)										
A. FIRST					B. SECOND					
C					(specify)	C				(specify)
7						7				
15	16	-	19			15	16	-	19	
C. THIRD					D. FOURTH					
C					(specify)	C				(specify)
7						7				
15	16	-	19			15	16	-	19	

VIII. OPERATOR INFORMATION															
A. NAME														B. Is the name listed in Item VIII-A also the owner? ☐ YES ☐ NO	
C															
8															
15	16													55	56

[illegible]

F. CITY OR TOWN															G. STATE		H. ZIP CODE		IX. INDIAN LAND		
C																				Is the facility located on Indian lands?	
B																				☐ YES ☐ NO	
15	16														40	41	42	47	51	52	

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C	T	I													C	T	I														
9	U														9			(specify)													
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EXTRA PAGE FOR SIGNATURE

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (<i>type or print</i>) Michael W. Hazen, Associate Laboratory Director ESHQSS	B. SIGNATURE 	C. DATE SIGNED 3-20-19
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COMMENTS FOR OFFICIAL USE ONLY			
C			
C			
15	16		55

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

NM0890010515

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

Please print or type in the unshaded areas only.

FORM 2C NPDES				U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS Consolidated Permits Program			
I. OUTFALL LOCATION							
For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.							
A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	35.00	52.00	26.00	106.00	19.00	9.00	Perennial Reach of Sandia Canyon
							Water Quality Segment 20.6.4.126 NMAC
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES							
A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.							
B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.							
1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT				
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION		b. LIST CODES FROM TABLE 2C-1		
001	Power Plant Once Through Cooling	49,652 GPD	Dechlorination		2	E	
	Sanitary Wastewater System (SWWS)	26,432 GPD	Grit Removal		1	M	
	Treated Effluent		Mixing		1	O	
			Screening		1	T	
001			Sedimentation (settling)		1	U	
			Dechlorination		2	E	
			Disinfection (chlorine)		2	F	
			Activated Sludge		3	A	
001			Pre-Aeration		3	E	
		(sludge)	Composting		5	G	
		(sludge)	Drying Beds		5	H	
		(sludge)	Landfill		5	Q	
001	Sanitary Effluent Reclamation	39,807 GPD	Evaporation		1	F	
	Facility (SERF) Treated Effluent		Reverse Osmosis (Hyperfiltration)		1	S	
			Chemical Precipitation		2	C	
			Dechlorination		2	E	
001			Neutralization		2	K	
			Reduction		2	L	
		(reuse of SWWS Effluent)	Reuse/Recycle of Treated Effluent		4	C	
			Landfill		5	Q	
001			Pressure Filtration		5	R	
	Strategic Computing Complex (SCC)	50,679 GPD	Dechlorination		2	E	
	Treated Cooling Tower Blowdown		Disinfection (other)		2	H	
			Reduction		2	L	
OFFICIAL USE ONLY (effluent guidelines sub-categories)							

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER <i>(list)</i>	2. OPERATION(s) CONTRIBUTING FLOW <i>(list)</i>	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK <i>(specify average)</i>	b. MONTHS PER YEAR <i>(specify average)</i>	a. FLOW RATE <i>(in mgd)</i>		B. TOTAL VOLUME <i>(specify with units)</i>		C. DURATION <i>(in days)</i>
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
001	Power Plant Once Through Cooling	7.0	12.0	0.050 MGD	0.195 MGD	49,652 GALLONS	194,524 GALLONS	365
	Sanitary Wastewater System (SWWS) Effluent	7.0	12.0	0.026 MGD	0.209 MGD	26,432 GALLONS	209,173 GALLONS	365
	Sanitary Effluent Reclamation Facility (SERF) Effluent	7.0	12.0	0.040 MGD	0.122 MGD		121,914 GALLONS	365
	SCC Cooling Tower Blowdown	7.0	12.0	0.051 MGD	0.105 MGD	39,807 GALLONS	104,804 GALLONS	365
						50,679 GALLONS		

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☒ YES (complete the following table)

☐ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
Compliance Schedule to meet 6T3 Temperature of 20C. The effluent limit and monitoring requirement of 6T3 = 20C are effective on the date one-day before the permit expiration date (9/29/19).	001	Power Plant Once Through Cooling, SWWS Effluent, SERF Effluent, SCC Cooling Towers Blowdown	Pursuant to 20.6.4.15.D NMAC the water quality standard is under review to determine if natural thermal conditions are preventing the attainment of coldwater aquatic life use. The receiving water was listed as impaired for temperature in the 2018-2020 Integrated report (305d/305b) and assigned an IR category of 5B indicating the need for review of the water quality standard.	10/1/14	9/29/19

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

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

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

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CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Aniline Carbon Disulfide Cresol Strontium Styrene Uranium Vanadium	Sanitary Wastewater System (SWWS) Effluent. A review of the waste stream profiles associated with the water treated at the SWWS identified the 7 Form 2C-3 pollutants listed in Section V.D.1.		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☒ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

Whole Effluent Toxicity 7 Day Chronic Toxicity, Critical dilutin 100% with a dilution series of 32%, 42%, 56%, 75%, and 100%.

Ceriodaphnia dubia, 24-hr composite, 1/5 Years

Pimephales promelas, 24-hr composite, 1/5 Years

See the DMR Summary Report provided in Attachment D of the Fact Sheet provided with the permit application.

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli
Pacific EcoRisk	2250 Cordelia Rd., Fairfield CA 94534	(707) 207-7760	Whole Effluent Toxicity

IX. CERTIFICATION

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

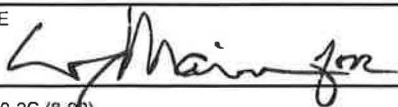
A. NAME & OFFICIAL TITLE (type or print)

Michael W. Hazen, Associate Laboratory Director ESHQSS

B. PHONE NO. (area code & no.)

(505) 667-4218

C. SIGNATURE



D. DATE SIGNED

3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

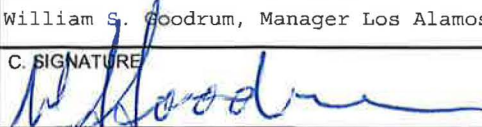
☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) William S. Goodrum, Manager Los Alamos Field Office	B. PHONE NO. (area code & no.) (505) 667-5105
C. SIGNATURE 	D. DATE SIGNED 3-25-19

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

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

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 001
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PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand <i>(BOD)</i>	1 . 8	4 . 996	(D)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand <i>(COD)</i>	58 . 1	161 . 3					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon <i>(TOC)</i>	5 . 85	16 . 24					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids <i>(TSS)</i>	7 . 2	19 . 985	7 . 2	13 . 04	1 . 986	2 . 55	49	mg/L	lbs	NA	NA	NA
e. Ammonia <i>(as N)</i>	0 . 207	0 . 5746	(O)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.3326 (A)		VALUE 0.2171 (A)		VALUE 0.1539 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature <i>(winter)</i>	VALUE 15.6 (B)		VALUE 14.1 (B)		VALUE 13.4 (B)		13	°C		VALUE NA		NA
h. Temperature <i>(summer)</i>	VALUE 20.9 (B)		VALUE 20.6 (B)		VALUE 20.0 (B)		13	°C		VALUE NA		NA
i. pH	MINIMUM 7 (C)	MAXIMUM 8.5 (C)	MINIMUM 7.3 (C)	MAXIMUM 7.9 (C)			208	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		3.62	10.05					1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0	0	0	0	0	0	208	mg/L	lbs	NA	NA	NA
c. Color	X		5	NA					1	PCU	NA	NA	NA	NA
d. Fecal Coliform	X		71.7	(K)	15.4	(K)	6.87	(K)	96	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.152	0.4219					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		1.69	4.69					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		1.14	3.16					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.46	<4.05	(E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		1.83	5.079	(O)				1	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	<1.65	NA	(E)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		10.1	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		X	<0.39	NA	(E)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total		X	<0.15	NA	(E)				1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		12.9	35.81					1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.033	<0.0916	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)	X		1	2.776	(O)				1	mg/L	lbs	NA	NA	NA
n. Surfactants		X	<0.017	<0.0472	(E)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		<19.3	<0.0536	(G,N)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		16.8	0.0466	(H)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		82.4	0.2287	(H)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)	X		<0.3	<0.0008	(F,N)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		37.9	0.1052	(D,O)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		2930	8.133	(O)				1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		1	0.0028	(H)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		4.78	0.0133	(D)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<0.0028	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<0.0056	(E,N)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	001

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<0.003	(F)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		<2	<6e-03	(G,N)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<6e-04	(F)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<8e-04	(F)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		<3	<8e-03	(F,N)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		5.45	0.0151					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.5	<0.001	(F)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)		X		<0.067	<2e-04	(G,N)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		<0.6	<2e-03	(G,N)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)			X	<2	<6e-03	(F)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<8e-04	(f)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		60	0.1665					1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)		X		<1.67	<5e-03	(F,N)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		<1.67	<5e-03	(E,O)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS: Analytical Result = <11 pg/L (lower than the MDL) however, the MDL used is greater than 10 pg/L.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X	<1.67	<5e-03	(F)				1	ug/L	lbs	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	<1.67	<5e-03	(F)				1	ug/L	lbs	NA	NA	NA
3V. Benzene (71-43-2)		X		1.81	5e-03	(H,O)				1	ug/L	lbs	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)						(I)									
5V. Bromoform (75-25-2)		X		3.16	9e-03	(H)				1	ug/L	lbs	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)		X		1.47	4e-03	(H)				1	ug/L	lbs	NA	NA	NA
9V. Chloroethane (75-00-3)			X	<0.333	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	<1.67	<0.005	(E)				1	ug/L	lbs	NA	NA	NA
11V. Chloroform (67-66-3)		X		0.82	2e-03	(D,O)				1	ug/L	lbs	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)		X		1.41	4e-03					1	ug/L	lbs	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)						(I)									
14V. 1,1-Dichloroethane (75-34-3)			X	<0.333	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)			X	<0.333	<9e-04	(F,L)				1	ug/L	lbs	NA	NA	NA
19V. Ethylbenzene (100-41-4)		X		<0.333	<9e-04	(F,O)				1	ug/L	lbs	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	<0.337	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	<0.333	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA

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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	<1.67	<5e-03	(F)				1	ug/L	lbs	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
25V. Toluene (108-88-3)		X		<0.333	<9e-04	(F, O)				1	ug/L	lbs	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA
29V Trichloroethylene (79-01-6)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)						(I)					ug/L	lbs	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.32	<1e-02	(F)				1	ug/L	lbs	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	<3.19	<9E-03	(E)				1	ug/L	lbs	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	<3.19	<9E-03	(E)				1	ug/L	lbs	NA	NA	NA
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.19	<9E-03	(E)				1	ug/L	lbs	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA
10A. Phenol (108-95-2)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	<0.319	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<4.15	<1e-02	(F)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.32	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.319	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.19	<9e-03	(E)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<5E-03	(F)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)		X		5.09	1e-02	(H)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.19	<9e-03	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.436	<1e-03	(F)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.19	<9e-03	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA

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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichlorobenzene (106-46-7)			X	<0.333	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichlorobenzidine (91-94-1)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitrotoluene (121-14-2)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitrotoluene (606-20-2)			X	<3.19	<9e-03	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.319	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachlorobenzene (118-74-1)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachlorobutadiene (87-68-3)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachlorocyclopentadiene (77-47-4)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
36B Hexachloroethane (67-72-1)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.319	<9e-04	(F)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.72	<1E-02	(F)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.319	<9e-04	(E)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitrosodimethylamine (62-75-9)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.19	<9e-03	(F)				1	ug/L	lbs	NA	NA	NA	

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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)			X	<3.19	<9e-03	(F, M)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.319	<9E-04	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.319	<9E-04	(F)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X	<3.19	<9E-03	(F)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.07	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.07	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.07	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.07	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.07	<2E-04	(E)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.805	<2E-03	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Enosulfan (115-29-7)			X	<0.07	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.105	<3E-04	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.07	<2E-04	(F)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.07	<2E-04	(F)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	001

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.07	<2E-04	(F)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)		X		<0.0422	<1E-04	(F, J, O)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<1.58	<4E-03	(G)				1	ug/L	lbs	NA	NA	NA

EPA Form 3510-2C (8-90)

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL -001

A	Calculated using data collected between October 2017 and September 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2017 and September 2018.
C	The pH values provided were determined using data collected between October 2014 and September 2018.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is below the Method Detection Limit (MDL). There is not an EPA Region 6 approved Method Quantification Limit (MQL). The value provided is the MDL.
F	The analytical result provided is below the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
G	The analytical result provided is below the MDL but is above the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is above the MDL but is below the EPA Region 6 MQL.
I	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
J	Results were obtained using the EPA Aroclor Method 608.3 as required by the Form 2C.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

NM089001.0515

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

Please print or type in the unshaded areas only.

EPA Form 3510-2C (8-90)

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER <i>(list)</i>	2. OPERATION(s) CONTRIBUTING FLOW <i>(list)</i>	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK <i>(specify average)</i>	b. MONTHS PER YEAR <i>(specify average)</i>	a. FLOW RATE <i>(in mgd)</i>		B. TOTAL VOLUME <i>(specify with units)</i>		C. DURATION <i>(in days)</i>
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
03A027	Treated Cooling Tower Blowdown	7.0	12.0	0.051 MGD	0.105 MGD	50,679 GALLONS	104,804 GALLONS	365

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

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

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CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Aniline Carbon Disulfide Cresol Strontium Styrene Uranium Vanadium	Sanitary Effluent Reclamation Facility (SERF) Effluent Makeup Water: The effluent from the Sanitary Wastewater System (SWWS) treatment plant is routed to SERF for additional treatment so that it can be recycled and used as makeup water at the SCC Cooling Towers. A review of the waste stream profiles associated with the water treated at the SWWS identified the 7 Form 2C-3 pollutants listed in Section V.D.1.		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

NA

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☒ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

Whole Effluent Toxicity 7 Day Chronic Toxicity. Critical dilution of 23% with dilution series of 10%, 13%, 17%, 23%, and 31%.

- * Ceriodaphnia dubia, 3-hr composite, 1/5 Years
- * Pimephales promelas, 3-hr composite, 1/5 Years

WET testing at Outfall 03A027 was performed on March 16, 18, and 20 of 2015 per the permit requirements. The results indicated that the effluent from Outfall 03A027 passed the test for both Ceriodaphnia dubia and Pimephales promelas. No further WET testing has been performed. See the WET Test Summary Report provided in Attachment E of the Fact Sheet provided with the permit application.

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli
Pacific EcoRisk	2250 Cordelia Rd., Fairfield CA 94534	(707) 207-7760	Whole Effluent Toxicity

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (area code & no.)
Michael W. Hazen, Associate Laboratory Director ESHQSS	(505) 667-4218
C. SIGNATURE	D. DATE SIGNED
	3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

William S. Goodrum, Manager Los Alamos Field Office

B. PHONE NO. (area code & no.)

(505) 667-5105

C. SIGNATURE

D. DATE SIGNED

3-25-19

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

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

NY0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 03A027
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PART A—You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (<i>BOD</i>)	3.37	2.95					1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (<i>COD</i>)	47.4	41.5					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (<i>TOC</i>)	12.7	11.1					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (<i>TSS</i>)	5.52 (A)	4.83	4.86 (A)	2.93	2.31 (A)	0.976	10	mg/L	lbs	NA	NA	NA
e. Ammonia (<i>as N</i>)	0.112	0.098	(P)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.105 (A)		VALUE 0.072 (A)		VALUE 0.051 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature (<i>winter</i>)	VALUE 19 (B)		VALUE 18.1 (B)		VALUE 17.3 (B)		13	°C		VALUE NA		NA
h. Temperature (<i>summer</i>)	VALUE 24.6 (B)		VALUE 23.0 (B)		VALUE 22.8 (B)		15	°C		VALUE NA		NA
i. pH	MINIMUM 7.4 (C)	MAXIMUM 9.1 (C)	MINIMUM 7.7 (C)	MAXIMUM 8.3 (C)			51	STANDARD UNITS				

PART B— Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
a. Bromide (24959-67-9)	X		2.98	2.61					1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0 (P)	0	0 (P)	0	0 (P)	0	103	mg/L	lbs	NA	NA	NA
c. Color	X		<5	NA	(F,E,O)					PCU	NA	NA	NA	NA
d. Fecal Coliform	X		6.3 (A,L)	NA	6.3 (A,L)	NA	1.9 (A,L)	NA	48	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.107	0.094					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		0.950	0.831	(P)				1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		2.27	1.99					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.41	<1.23	(E)					mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		3.55 (A, P)	3.10	3.55 (A, P)	2.14	2.19 (A, P)	0.928	9	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total	X		2.79 (A)	NA	2.79 (A)	NA	1.9 (A)	NA	2	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		12.3	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total	X		5.72	NA					1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total	X		5.47	NA					1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		18.0	15.74					1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.033	<0.0289	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)	X		6.0	5.25	(P)				1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		0.0204	0.018					1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		23.2 (A)	0.0203	23.2 (A)	0.014	19.4 (A)	0.0082	3	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		8.92	0.0078	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		109	0.0953					1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.3	<0.0003	(G)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		<33	<0.0289	(E, O, P)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		2050	1.79	(P)				1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		0.868	0.0008	(I)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		3.63	0.0032	(D)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<0.0009	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<0.0017	(E, O)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A027

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<9e-4	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		<2	<0.002	(H,O)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<2e-4	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		<3	<0.003	(G,O)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		16.3	0.0143					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.5	<4e-4	(G)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)		X		<0.067	<1e-4	(H,O)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		<0.6	<5e-4	(H,O)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		<2	<0.002	(G,O)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<5e-4	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		206	0.180					1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<0.002	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		5.03	0.0044	(P)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical Result = <10.6 pg/L (less than the MDL), however, the detection limit (MDL) was greater than the EPA Region 6 MQL.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
																(1) CONCENTRATION
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Accrolein (107-02-8)			X	<1.67	<2e-3	(G)				1	ug/L	lbs	NA	NA	NA	
2V. Acrylonitrile (107-13-1)			X	<1.67	<2e-3	(G)				1	ug/L	lbs	NA	NA	NA	
3V. Benzene (71-43-2)		X		<0.333	<3E-4	(G, O, P)				1	ug/L	lbs	NA	NA	NA	
4V. Bis (Chloro- methyl) Ether (542-88-1)						(J)										
5V. Bromoform (75-25-2)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
7V. Chlorobenzene (108-90-7)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
8V. Chlorodi- bromomethane (124-48-1)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
9V. Chloroethane (75-00-3)			X	<0.333	<3e-4	(E)				1	ug/L	lbs	NA	NA	NA	
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X	<1.67	<1e-3	(E)				1	ug/L	lbs	NA	NA	NA	
11V. Chloroform (67-66-3)		X		<0.333	<3e-4	(E, O, P)				1	ug/L	lbs	NA	NA	NA	
12V. Dichloro- bromomethane (75-27-4)			X	<0.333	<3e-4	(E)				1	ug/L	lbs	NA	NA	NA	
13V. Dichloro- difluoromethane (75-71-8)						(J)										
14V. 1,1-Dichloro- ethane (75-34-3)			X	<0.333	<3e-4	(E)				1	ug/L	lbs	NA	NA	NA	
15V. 1,2-Dichloro- ethane (107-06-2)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
16V. 1,1-Dichloro- ethylene (75-35-4)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
17V. 1,2-Dichloro- propane (78-87-5)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
18V. 1,3-Dichloro- propylene (542-75-6)			X	<0.333	<3e-4	(G, M)				1	ug/L	lbs	NA	NA	NA	
19V. Ethylbenzene (100-41-4)		X		<0.333	<3e-4	(G, O, P)				1	ug/L	lbs	NA	NA	NA	
20V. Methyl Bromide (74-83-9)			X	<0.337	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
21V. Methyl Chloride (74-87-3)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)		X		2.94	3e-3	(I)				1	ug/L	lbs	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
25V. Toluene (108-88-3)		X		<0.333	<3e-4	(G,O,P)				1	ug/L	lbs	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<3e-4	(E)				1	ug/L	lbs	NA	NA	NA
29V Trichloroethylene (79-01-6)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)						(J)									
31V. Vinyl Chloride (75-01-4)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.0	<4e-3	(G)				1	ug/L	lbs	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	<3.0	<3e-6	(E)				1	ug/L	lbs	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	<3.0	<3e-3	(E)				1	ug/L	lbs	NA	NA	NA
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.0	<3e-3	(E)				1	ug/L	lbs	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA
10A. Phenol (108-95-2)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<3.9	<3e-3	(B)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<3.0	<3e-3	(B)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<0.003	<3e-6	(B)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<0.3	<3e-4	(B)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.0	<3e-3	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.41	<4e-4	(G)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.0	<3e-3	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichloro-benzene (106-46-7)			X	<0.333	<3E-4	(G)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichloro-benzidine (91-94-1)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitro-toluene (121-14-2)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitro-toluene (606-20-2)			X	<3.0	<3e-3	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.3	<3e-4	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenyl-hydrazine (as Azo-benzene) (122-66-7)			X	<3.0	<3e-03	(G)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.3	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachloro-benzene (118-74-1)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachloro-butadiene (87-68-3)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachloro-cyclopentadiene (77-47-4)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
36B Hexachloro-ethane (67-72-1)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.3	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.5	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.3	<eE-4	(E)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitro-sodimethylamine (62-75-9)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.0	<3e-3	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	<3.0	<3E-03	(G, N)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.3	3e-4	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.3	3e-4	(G)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<3.0	3e-3	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.00739	<6e-6	(E)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.085	<7e-5	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Endosulfan (115-29-7)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.0111	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A027

CONTINUED FROM PAGE V-8

CONTINUED FROM PAGE 4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.00739	<6e-6	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)		X		<0.0362	<3e-5	(G, K, P)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.167	<1e-4	(G)				1	ug/L	lbs	NA	NA	NA

EPA Form 3510-2C (8-90)

PAGE V-9

2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 03A027

A	Calculated using data collected between October 2015 and September 2016.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2015 and September 2016.
C	The pH values provided were determined using data collected between October 2015 and September 2016.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	Results were obtained using the EPA Aroclor Method 608.3 as required by the Form 2C. Please note, however, that PCBs are believed to be present due to the use of recycled treated effluent from SWWS as makeup water in the cooling towers.
L	The E. Coli result is provided as an indicator for Fecal Coliform.
M	Result is for cis- and trans-1,3 dichloropropylene.
N	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
O	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
P	Identified as a potential pollutant from one of the sources discharging to the outfall.

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

Please print or type in the unshaded areas only.

EPA Form 3510-2C (8-90) PAGE 1 of 4 CONTINUE ON REVERSE

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER <i>(list)</i>	2. OPERATION(s) CONTRIBUTING FLOW <i>(list)</i>	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK <i>(specify average)</i>	b. MONTHS PER YEAR <i>(specify average)</i>	a. FLOW RATE <i>(in mgd)</i>		B. TOTAL VOLUME <i>(specify with units)</i>		C. DURATION <i>(in days)</i>
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
03A048	TA-53-963/964 West and 978/979 East Cooling Towers - Treated Cooling Tower Blowdown	7	12	0.088 MGD	0.169 MGD	87,606 GALLONS	168,900 GALLONS	365

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
--------------	-----------	--------------	-----------

1. POLLUTANT		2. SOURCE	
NA	NA	NA	NA

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

NA

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) Michael W. Hazen, Associate Laboratory Director ESHQSS	B. PHONE NO. (area code & no.) (505) 667-4218
C. SIGNATURE 	D. DATE SIGNED 3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

William S. Goodrum, Manager Los Alamos Field Office

B. PHONE NO. (area code & no.)

(505) 667-5105

C. SIGNATURE



D. DATE SIGNED

3-25-19

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

EPA I.D. NUMBER (copy from Item 1 of Form 1)
NM00890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 03A048
--	-----------------------

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

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1)	(2) MASS	(1)	(2) MASS	(1) CONCENTRATION	(2) MASS				(1)	(2) MASS	
	CONCENTRATION		CONCENTRATION							CONCENTRATION		
a. Biochemical Oxygen Demand <i>(BOD)</i>	1 . 86	2 . 62	(D)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand <i>(COD)</i>	24 . 6	34 . 7					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon <i>(TOC)</i>	2 . 78	3 . 92					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids <i>(TSS)</i>	5 . 90	8 . 32	5 . 9	7 . 06	1 . 96	1 . 43	17	mg/L	lbs	NA	NA	NA
e. Ammonia <i>(as N)</i>	0 . 0382	0 . 054	(D)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0 . 1689 (A)		VALUE 0 . 1434 (A)		VALUE 0 . 0876 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature <i>(winter)</i>	VALUE 17 . 9 (B)		VALUE 16 . 7 (B)		VALUE 16 . 1 (B)		13	°C		VALUE NA		NA
h. Temperature <i>(summer)</i>	VALUE 23 . 5 (B)		VALUE 22 . 6 (B)		VALUE 21 . 7 (B)		12	°C		VALUE NA		NA
i. pH	MINIMUM 6 . 9 (C)	MAXIMUM 8 . 9 (C)	MINIMUM 7 . 3 (C)	MAXIMUM 8 . 7 (C)			208	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		4.22	5.95					1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0 (O)	0.00	0.00 (O)	0.00	0.00 (O)	0.00	209	mg/L	lbs	NA	NA	NA
c. Color		X	<5	NA	(E)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform		X	1	NA	(K)				1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.59	0.832					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		3.11	4.38					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic <i>(as N)</i>	X		0.334	0.471					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.44	NA	(E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus <i>(as P)</i> , Total (7723-14-0)	X		0.192	0.271	0.192	0.23	0.136	0.0997	17	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	<1.85	NA	(E)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		16.8	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		X	<0.189	NA	(E)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total	X		<0.103	NA	(E,N)				1	pCi/L	NA	NA	NA	NA
k. Sulfate <i>(as SO₄)</i> (14808-79-8)	X		35.5	50.00					1	mg/L	lbs	NA	NA	NA
l. Sulfide <i>(as S)</i>		X	<0.033	<5e-02	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite <i>(as SO₃)</i> (14265-45-3)	X		13.8	19.45	(O)				1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		<0.017	<0.02	(F,N)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		<19.30	<0.0272	(H,N)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		76.4	0.108	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		66.4	0.0936	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.3	<4.2e-4	(G)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)		X	<33	<0.0465	(E)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		11800	16.6					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		2.45	3.45e-3					1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	<1	<1.4e-3	(E)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<1.4e-3	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<2.8e-3	(E,N)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A048

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		4.26	0.006	6.2	7.4e-3	4.06	3e-3	5	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<3e-04	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		9.43	1.3e-2	(D, I)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		1.06	1.5e-3					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.5	<7e-04	(G)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	<0.067	<9e-05	(H)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		<0.6	<8e-04	(H, N)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		<2	<3e-03	(G, N)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<8e-04	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)			X	<3.3	<5e-03	(G)				1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)		X		<1.67	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total			X	<1.67	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical Result = <10.6 pg/L was less than the MDL. The MDL used is greater than the EPA MQL of 10 pg/L.											

CHANGED FROM THE FRONT																
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Acrolein (107-02-8)			X	<1.67	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA	
2V. Acrylonitrile (107-13-1)			X	<1.67	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA	
3V. Benzene (71-43-2)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
4V. Bis (Chloro-methyl) Ether (542-88-1)						(J)										
5V. Bromoform (75-25-2)		X		<0.333	<5e-04	(G, N)				1	ug/L	lbs	NA	NA	NA	
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
7V. Chlorobenzene (108-90-7)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
8V. Chlorodi-bromomethane (124-48-1)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
9V. Chloroethane (75-00-3)			X	<0.333	<5e-04	(E)				1	ug/L	lbs	NA	NA	NA	
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			X	<1.67	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA	
11V. Chloroform (67-66-3)			X	<0.333	<5e-04	(E)				1	ug/L	lbs	NA	NA	NA	
12V. Dichloro-bromomethane (75-27-4)			X	<0.333	<5e-04	(E)				1	ug/L	lbs	NA	NA	NA	
13V. Dichloro-difluoromethane (75-71-8)						(J)										
14V. 1,1-Dichloro-ethane (75-34-3)			X	<0.333	<5e-04	(E)				1	ug/L	lbs	NA	NA	NA	
15V. 1,2-Dichloro-ethane (107-06-2)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
16V. 1,1-Dichloro-ethylene (75-35-4)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
17V. 1,2-Dichloro-propane (78-87-5)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
18V. 1,3-Dichloro-propylene (542-75-6)			X	<0.333	<5e-04	(G, L)				1	ug/L	lbs	NA	NA	NA	
19V. Ethylbenzene (100-41-4)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
20V. Methyl Bromide (74-83-9)			X	<0.337	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
21V. Methyl Chloride (74-87-3)			X	<0.333	<5e-04	(E)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)			X	<1.67	2e-03	(G)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<5e-04	(E)				1	ug/L	lbs	NA	NA	NA	
29V Trichloroethylene (79-01-6)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.00	<7e-03	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.00	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.00	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.00	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
2B. Acenaphthylene (208-96-8)			X	<0.30	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
3B. Anthracene (120-12-7)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
4B. Benzidine (92-87-5)			X	<3.90	<5e-03	(G)				1	ug/L	lbs	NA	NA	NA	
5B. Benzo (a) Anthracene (56-55-3)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
6B. Benzo (a) Pyrene (50-32-8)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.30	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.0	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA	
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<3.0	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA	
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.0	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA	
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	Na	
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.410	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA	
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.0	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA	
18B. Chrysene (218-01-9)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.30	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichloro- benzene (106-46-7)			X	<0.333	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA
23B. 3,3-Dichloro- benzidine (91-94-1)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	Na
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
27B. 2,4-Dinitro- toluene (121-14-2)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
28B. 2,6-Dinitro- toluene (606-20-2)			X	<3.00	<4e-03	(E)				1	ug/L	lbs	NA	NA	NA
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.300	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X	<3.0	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
32B. Fluorene (86-73-7)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
33B. Hexachloro- benzene (118-74-1)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
34B. Hexachloro- butadiene (87-68-3)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
35B. Hexachloro- cyclopentadiene (77-47-4)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
36B Hexachloro- ethane (67-72-1)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
38B. Isophorone (78-59-1)			X	<3.50	<5e-03	(G)				1	ug/L	lbs	NA	NA	NA
39B. Naphthalene (91-20-3)			X	<0.300	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
41B. N-Nitro- sodimethylamine (62-75-9)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
																(1) CONCENTRATION
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
43B. N-Nitrosodiphenylamine (86-30-6)			X	<3.0	<4e-03	(G, M)				1	ug/L	lbs	NA	NA	NA	
44B. Phenanthrene (85-01-8)			X	<0.300	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
45B. Pyrene (129-00-0)			X	<0.300	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X	<3.00	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – PESTICIDES																
1P. Aldrin (309-00-2)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
2P. α-BHC (319-84-6)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
3P. β-BHC (319-85-7)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
4P. γ-BHC (58-89-9)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
5P. δ-BHC (319-86-8)			X	<0.007	<1e-05	(E)				1	ug/L	lbs	NA	NA	NA	
6P. Chlordane (57-74-9)			X	<0.081	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
7P. 4,4'-DDT (50-29-3)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
8P. 4,4'-DDE (72-55-9)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
9P. 4,4'-DDD (72-54-8)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
10P. Dieldrin (60-57-1)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
11P. α-Endosulfan (115-29-7)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
12P. β-Endosulfan (115-29-7)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
14P. Endrin (72-20-8)			X	<0.0105	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
15P. Endrin Aldehyde (7421-93-4)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	
16P. Heptachlor (76-44-8)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA	

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
NM0890010515	03A048

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.007	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0354	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.158	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 03A048

A	Calculated using data collected between October 2017 and September 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2017 and September 2018.
C	The pH values provided were determined using data collected between October 2014 and
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

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

NM0890010515

Please print or type in the unshaded areas only.

FORM 2C NPDES				U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS Consolidated Permits Program			
I. OUTFALL LOCATION							
For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.							
A. OUTFALL NUMBER <i>(list)</i>	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER <i>(name)</i>
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
03A113	35.00	52.00	3.00	106.00	15.00	43.00	Ephemeral Reach of Sandia Canyon
							Water Quality Segment 20.6.4.128 NMAC
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES							
A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.							
B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.							
1. OUTFALL NO. <i>(list)</i>	2. OPERATION(S) CONTRIBUTING FLOW			3. TREATMENT			
	a. OPERATION <i>(list)</i>	b. AVERAGE FLOW <i>(include units)</i>		a. DESCRIPTION		b. LIST CODES FROM TABLE 2C-1	
03A113	TA-53-592 Cooling Tower	1,576 GPD		Disinfection (other)		2	H
	- Treated Cooling Tower Blowdown			Dechlorination		2	E
				Reduction		2	L
03A113	Storm Water	16,763 GPD		NA		NA	NA
OFFICIAL USE ONLY <i>(effluent guidelines sub-categories)</i>							

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW					
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY		
03A113	TA-53-592 Cooling Tower - Treated Cooling Tower Blowdown	7.0	12.0	0.001576 MGD	0.01459 MGD	1,576 GALLONS	14,590 GALLONS	365	
	Storm Water	0.9	1.6	0.016763 MGD	0.13678 MGD	16,763 GALLONS	136,678 GALLONS	49	

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☒ NO (go to Item VI-B)

NA

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

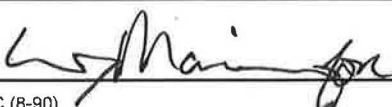
☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) Michael W. Hazen, Associate Laboratory Director ESHQSS	B. PHONE NO. (area code & no.) (505) 667-4218
C. SIGNATURE 	D. DATE SIGNED 3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

William S. Goodrum, Manager Los Alamos Field Office

B. PHONE NO. (area code & no.)

(505) 667-5105

C. SIGNATURE



D. DATE SIGNED

3-25-19

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

EPA I.D. NUMBER (copy from Item 1 of Form 1)
NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 03A113
--	-----------------------

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

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1)		(1)		(1)	(2)				(1)		
	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand <i>(BOD)</i>	1.53	0.186	(D)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand <i>(COD)</i>	37.1	4.52					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon <i>(TOC)</i>	2.55	0.31					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids <i>(TSS)</i>	5.68	0.692	5.68	0.167	1.80	2.36e-2	16	mg/L	lbs	NA	NA	NA
e. Ammonia <i>(as N)</i>	<0.017	<2.1e-3	(E)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.01459 (A)		VALUE 0.0035 (A)		VALUE 0.001576 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature <i>(winter)</i>	VALUE 16.3 (B)		VALUE 14.9 (B)		VALUE 13.4 (B)		12	°C		VALUE NA		NA
h. Temperature <i>(summer)</i>	VALUE 26.0 (B)		VALUE 23.8 (B)		VALUE 21.8 (B)		13	°C		VALUE NA		NA
i. pH	MINIMUM 6.7 (C)	MAXIMUM 8.7 (C)	MINIMUM 6.8 (C)	MAXIMUM 8.5 (C)			196	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1)	(2) MASS	(1)	(2) MASS	(1)	(2) MASS				(1)	(2) MASS	
			CONCENTRATION		CONCENTRATION		CONCENTRATION					CONCENTRATION		
a. Bromide (24959-67-9)	✗		0.589	7.2e-02					1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	✗		0 (O)	0.0	0.0 (O)	0.0	0.0 (O)	0.0	201	mg/L	lbs	NA	NA	NA
c. Color	✗		<5	NA	(E, N)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform		✗	<1	NA	(E, K)				1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	✗		0.84	1.0e-01					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite <i>(as N)</i>	✗		0.779	9.5e-02					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.249	3.0e-02					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.44	NA	(E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.302	3.7e-02	0.302	8.89e-3	0.122	1.61e-3	16	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total	X		2.95	NA					1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		6.66	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		X	<0.0833	NA	(E)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total		X	<-0.0737	NA	(E)				1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		220	26.8					1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.033	<4e-03	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)	X		74.7	9.1	(O)				1	mg/L	lbs	NA	NA	NA
n. Surfactants		X	<0.017	<2.1e-3	(E)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		<19.30	<2.4e-3	(H,N)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		60.3	7.3e-03	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		49.3	6.0e-03	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.3	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		<33	<4.0e-3	(E,N)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		7680	0.935					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		2.02	2.5e-04					1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		2.4	2.9e-04	(D)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<1.2e-4	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<2.4e-4	(E,N)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A113

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		<2	<2e-04	(H, N)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		7.87	1e-03	(D, I)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		10.4	1e-03					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)		X		0.518	6e-05	(D)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)		X		<0.067	<8e-06	(H, N)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		<0.6	<7e-05	(H, N)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)			X	<2	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<7e-05	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		<3.3	<4e-04	(G, N)				1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		6.31	8e-04					1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-C1-6)				DESCRIBE RESULTS											
				Analytical Result = <11.1 pg/L was less than the MDL. The MDL used was greater than the EPA MQL of 10 pg/L.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Accrolein (107-02-8)			X	<1.67	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA	
2V. Acrylonitrile (107-13-1)			X	<1.67	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA	
3V. Benzene (71-43-2)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
4V. Bis (Chloromethyl) Ether (542-88-1)						(J)										
5V. Bromoform (75-25-2)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
7V. Chlorobenzene (108-90-7)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
8V. Chlorodibromomethane (124-48-1)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
9V. Chloroethane (75-00-3)			X	<0.333	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	<1.67	<2e-04	(E)				1	ug/L	lbs	NA	NA	NA	
11V. Chloroform (67-66-3)			X	<0.333	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
12V. Dichlorobromomethane (75-27-4)			X	<0.333	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
13V. Dichlorodifluoromethane (75-71-8)						(J)										
14V. 1,1-Dichloroethane (75-34-3)			X	<0.333	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
15V. 1,2-Dichloroethane (107-06-2)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
16V. 1,1-Dichloroethylene (75-35-4)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
17V. 1,2-Dichloropropane (78-87-5)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
18V. 1,3-Dichloropropylene (542-75-6)			X	<0.333	<4e-05	(G, L)				1	ug/L	lbs	NA	NA	NA	
19V. Ethylbenzene (100-41-4)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
20V. Methyl Bromide (74-83-9)			X	<0.337	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
21V. Methyl Chloride (74-87-3)			X	<0.333	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	

CONTINUED FROM PAGE V-4																
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)		X		<1.67	<2e-04	(G, N)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
29V Trichloroethylene (79-01-6)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.21	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	<0.313	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	Na
4B. Benzidine (92-87-5)			X	<4.06	<5e-04	(G)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo- fluoranthene (205-99-2)			X	<0.313	<4e-5	(G)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.313	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)			X	<1.67	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro- naphthalene (91-58-7)			X	<0.427	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro- benzene (95-50-1)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro- benzene (541-73-1)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichlorobenzene (106-46-7)			X	<0.333	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichlorobenzidine (91-94-1)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitrotoluene (121-14-2)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitrotoluene (606-20-2)			X	<3.13	<4e-04	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.313	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	<3.13	4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachlorobenzene (118-74-1)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachlorobutadiene (87-68-3)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachlorocyclopentadiene (77-47-4)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
36B Hexachloroethane (67-72-1)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.65	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.313	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitrosodimethylamine (62-75-9)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.13	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)			X	<3.13	<4e-04	(G, M)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.313	<4e-05	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.313	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X	<3.13	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	Na	NA	NA
2P. α-BHC (319-84-6)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.0068	<8e-07	(E)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.0781	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Enosulfan (115-29-7)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.0102	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A113

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1)	(2)	
													CONCENTRATION	MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.0068	<8e-07	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0354	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.153	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA

EPA Form 3510-2C (8-90)

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 03A113

A	Calculated using data collected between October 2017 and September 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2017 and September 2018.
C	The pH values provided were determined using data collected between October 2014 and September 2018.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

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

FORM 2C NPDES		U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS <i>Consolidated Permits Program</i>
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A. OUTFALL NUMBER <i>(list)</i>	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER <i>(name)</i>
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
03A160	35.00	51.00	47.00	106.00	17.00	49.00	Ten Site Canyon, Tributary to Mortandad
							Canyon Water Quality Segment
							20.6.4.128 NMAC

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

1. OUT-FALL NO. <i>(list)</i>	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION <i>(list)</i>	b. AVERAGE FLOW <i>(include units)</i>	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
03A160	National High Magnetic Field	2,567 GPD	Dechlorination	2 E
	Laboratory (NHMFL) Cooling Towers			
	- Treated Cooling Tower Blowdown			

OFFICIAL USE ONLY (effluent guidelines sub-categories)

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW					
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY		
03A160	National High Magnetic Field Laboratory (NHMFL) Cooling Towers - Treated Cooling Tower Blowdown	2	7	0.002567 MGD	0.00647 MGD	2,567 GALLONS	6,470 GALLONS	87	

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

NA

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	Biological Oxygen Demand, General Chemistry, Pesticides, Polychlorinated Biphenyls, Radiochemistry, Semi-Volatile Organic Compounds, Total Metals, Total Suspended Solids, Volatile Organic Compounds
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli
SWRI Southwest Research Institute	Division 01 6220 Culebra Rd San Antonio TX7838	(210) 522-3867	Arsenic, Selenium

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (area code & no.)
Michael W. Hazen, Associate Laboratory Director ESHQSS	(505) 667-4218
C. SIGNATURE	D. DATE SIGNED
	3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

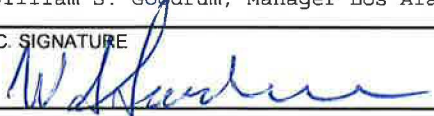
☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) William S. Goddard, Manager Los Alamos Field Office	B. PHONE NO. (area code & no.) (505) 667-5105
C. SIGNATURE 	D. DATE SIGNED 3-25-19

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 03A160
--	-----------------------

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

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<1.0	<0.054	(D, F)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (COD)	7.3	0.394	(D, E)				1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (TOC)	1.16	0.0626	(D)				1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (TSS)	1.4	0.0756	1.4	0.0467	1.1	0.0236	14	mg/L	lbs	NA	NA	NA
e. Ammonia (as N)	0.0285	0.00154	(D, F)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.0065 (A)		VALUE 0.004 (A)		VALUE 0.0026 (A)		87	MGD	NA	VALUE NA		NA
g. Temperature (winter)	VALUE 20.4 (B)		VALUE 18.5 (B)		VALUE 16.9 (B)		11	°C		VALUE NA		NA
h. Temperature (summer)	VALUE 25.3 (B)		VALUE 23.9 (B)		VALUE 23.4 (B)		11	°C		VALUE NA		NA
i. pH	MINIMUM 7 (C)	MAXIMUM 8.8 (C)	MINIMUM 7.6 (C)	MAXIMUM 8.7 (C)			182	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		0.193	0.0104	(D, E)				1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0 (N)	0	0 (N)	0	0 (N)	0	48	mg/L	lbs	NA	NA	NA
c. Color	X		5	NA	(D, G)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform		X	<1	NA	(D, F, K)				1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		1.19	0.0643	(D)				1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		4.51	0.244	(D)				1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.035	0.00189	(D, E, F)				1	mg/L	lbs	NA	NA	NA
h. Oil and Grease	X		1.96	0.106	(D, E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		3.1	0.167	3.1	0.103	0.3249	0.00696	14	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	<0.96	NA	(D, F)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		15.9	NA	(D)				1	pCi/L	NA	NA	NA	NA
(3) Radium, Total	X		<0.379	NA	(D)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total	X		1.03	NA	(D)				1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		29.9	1.61	(D)				1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.03	<0.0016	(D, F)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)	X		0.04	0.00216	(D)				1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		0.0495	0.00267	(D, E, G)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	0	0	0	0	0	0	4	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		1.4	8E-05	(D)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		216	0.0117	(D)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<1	<5e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		45.2	0.00244	(D)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		5810	0.314	(D)				1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		15.5	8e-04	(D)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	<2	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<2.5	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	<1	<5e-05	(D, F)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A160

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<3.5	<2e-04	(D,H)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		2.59	0.0001	2.59	0.0863	2.25	0.048	4	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<1e-05	(D,H)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<1	<5e-05	(D,H)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		30.4	0.0016	(D)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		7.48	0.0004	3.82	0.127	1.2	0.025	306	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)		X		1.52	8e-05	(D)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	<0.66	<4e-06	(D,I)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		1.35	7e-05	(D)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		72.3	0.0039	(D)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.2	<1e-05	(D,H)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.45	<2e-05	(D,H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		4.4	2e-04	(D)				1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)		X		21.8	1e-03	3.35	0.112	0.6366	0.014	46	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		5	3e-04	(D,E)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS The result of 10.6 pg/L was less than the MDL. However, the MDL was greater than the MQL of 10 pg/L. (D,I)											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Accrolein (107-02-8)			X	<1.25	<7e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
2V. Acrylonitrile (107-13-1)			X	<1.0	<5e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
3V. Benzene (71-43-2)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
4V. Bis (Chloromethyl) Ether (542-88-1)						(J)										
5V. Bromoform (75-25-2)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
6V. Carbon Tetrachloride (56-23-5)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
7V. Chlorobenzene (108-90-7)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
8V. Chlorodibromomethane (124-48-1)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
9V. Chloroethane (75-00-3)			X	<0.3	<2e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	<1.5	<8e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	
11V. Chloroform (67-66-3)			X	<0.25	<1e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	
12V. Dichlorobromomethane (75-27-4)			X	<0.25	<1e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	
13V. Dichlorodifluoromethane (75-71-8)						(J)										
14V. 1,1-Dichloroethane (75-34-3)			X	<0.3	<2e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	
15V. 1,2-Dichloroethane (107-06-2)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
16V. 1,1-Dichloroethylene (75-35-4)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
17V. 1,2-Dichloropropane (78-87-5)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
18V. 1,3-Dichloropropylene (542-75-6)			X	<0.25	<1e-05	(D, H, L)				1	ug/L	lbs	NA	NA	NA	
19V. Ethylbenzene (100-41-4)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
20V. Methyl Bromide (74-83-9)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
21V. Methyl Chloride (74-87-3)			X	<0.3	<2e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	<3	<2e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
25V. Toluene (108-88-3)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.325	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.25	<1e-05	(D, F)				1	ug/L	lbs	NA	NA	NA
29V Trichloroethylene (79-01-6)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)						(J)									
31V. Vinyl Chloride (75-01-4)			X	<0.5	<3e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.0	<2e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.0	<3e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	<2.0	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	<2.0	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
8A. P-Chloro-M-Cresol (59-50-7)			X	<2.0	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
10A. Phenol (108-95-2)		X		8.41	5e-04	(D, E)				1	ug/L	lbs	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.31	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	<0.2	<1e-05	(D, F)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<3.0	<2e-04	(D, E, H)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)		X		<0.26	<1e-05	(D, E)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.2	<1e-05	(D, F)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.0	<2e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<2.0	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<2.0	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>																
22B. 1,4-Dichloro- benzene (106-46-7)			X	<0.25	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichloro- benzidine (91-94-1)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)		X		67.4	<4e-03	(D)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitro- toluene (121-14-2)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitro- toluene (606-20-2)			X	<2.0	<1e-04	(D, F)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<3.0	<2e-04	(D, F)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachloro- benzene (118-74-1)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachloro- butadiene (87-68-3)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachloro- cyclopentadiene (77-47-4)			X	<3.0	<2e-04	(D, E, H)				1	ug/L	lbs	NA	NA	NA	
36B Hexachloro- ethane (67-72-1)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.2	<1e-05	(D, H)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.0	<2e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.3	<2e-05	(D, F)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.0	<2e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitro- sodimethylamine (62-75-9)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA	

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	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	<3.0	<2e-04	(D, K, M)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.2	<1e-05	(D, F)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.3	<2e-05	(D, H)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<2.0	<1e-04	(D, H)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.00707	<4e-07	(D, F)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
11P. α-Endosulfan (115-29-7)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.011	<6e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
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CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.00707	<4e-07	(D, H)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0343	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0358	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0343	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0343	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0343	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0343	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0343	<2e-06	(D, H)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.16	<9e-06	(D, H)				1	ug/L	lbs	NA	NA	NA

EPA Form 3510-2C (8-90)

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 03A160

A	Calculated using data collected between June 2017 and May 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between June 2017 and May 2018.
C	The pH values provided were determined using data collected between June 2017 and May 2018.
D	The analytical result provided is from the 2012 permit reapplication.
E	Value provided was estimated by the analytical laboratory.
F	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
G	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
H	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	Identified as a potential pollutant from one of the sources discharging to the outfall.

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

NM0890010515

CONTINUE ON REVERSE

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW					
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY		
03A181	TA-55-6 Cooling Towers - Treated Cooling Tower Blowdown	7.0	12.0	0.009 MGD	0.032 MGD	9,365 GALLONS	31,986 GALLONS	365	

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

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V. INTAKE AND EFFLUENT CHARACTERISTICS

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
NA	NA	NA	NA

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

☒ NO (go to Item VI-B)

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843)556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910)795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505)929-4545	E-Coli

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) Michael W. Hazen, Associate Laboratory Director ESHQSS	B. PHONE NO. (area code & no.) (505) 667-4218
C. SIGNATURE 	D. DATE SIGNED 3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

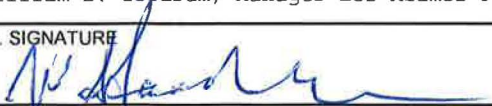
☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) William S. Goodrum, Manager Los Alamos Field Office	B. PHONE NO. (area code & no.) (505) 667-5105
C. SIGNATURE 	D. DATE SIGNED 3-25-19

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 03A181
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PART A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
a. Biochemical Oxygen Demand (BOD)	<1.00	<2.7e-1	(E)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (COD)	38.7	10.3					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (TOC)	3.69	0.985					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (TSS)	0.70	0.187	0.7	8.42e-2	0.700	5.47e-2	17	mg/L	lbs	NA	NA	NA
e. Ammonia (as N)	0.0268	7.15e-3	(D)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.0320 (A)		VALUE 0.0144 (A)		VALUE 0.0094 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature (winter)	VALUE 19.9 (B)		VALUE 18.6 (B)		VALUE 18.3 (B)		3	°C		VALUE NA		NA
h. Temperature (summer)	VALUE 23.9 (B)		VALUE 22.9 (B)		VALUE 22.2 (B)		3	°C		VALUE NA		NA
i. pH	MINIMUM 7 (C)	MAXIMUM 9 (C)	MINIMUM 7.1 (C)	MAXIMUM 8.8 (C)			48	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1)	(2) MASS	(1)	(2) MASS	(1)	(2) MASS				(1)	(2) MASS	
			CONCENTRATION		CONCENTRATION		CONCENTRATION					CONCENTRATION		
a. Bromide (24959-67-9)	✗		<0.067	<1.8e-2	(E)				1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	✗		<0 (O)	<0	0 (O)	0	0 (O)	0	210	mg/L	lbs	NA	NA	NA
c. Color		✗	<5	NA	(F)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform	✗		1	NA	(K)				1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	✗		0.481	1.3e-1					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	✗		1.42	3.8e-1					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.234	6.3e-2					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.41	<3.8e-1	(E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		6 (O)	1.6	6.0 (O)	7.22e-1	3.146 (O)	2.46e-1	17	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	<0.772	NA	(E)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		4.03	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		X	<0.549	NA	(E)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total		X	<0.228	NA	(E)				1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		69.3	18.5					1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.033	<9e-03	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)	X		9.7	2.59	(O)				1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		0.0204	5.5e-3	(D, F)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		<19.3	<5.2e-3	(H, N)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		64.4	1.7e-2	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		45	1.2e-2	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.30	<8.0e-5	(G)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)		X	<33.0	<8.8e-3	(E)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		8230	2.2					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		2.92	7.79e-4	(I)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	<1	<2.7e-4	(E)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<2.7e-4	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<5.3e-4	(E, N)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A181

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<3e-4	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		2.55	6.8e-4	(D)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.20	<5e-5	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.30	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		12.5	3.3e-3	(I)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		3.24	8.7e-4					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.50	<1e-4	(G)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	<0.067	<2e-5	(H)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		1.88	5e-4	(D)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		<2	<5e-4	(G, N)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.600	<2e-4	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)			X	<3.30	<9e-4	(G)				1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<4e-4	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		<1.67	<4e-4	(E)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical result was <11.1 pg/L (less than the MDL). However, the MDL used was greater than the EPA MQL of 10 pg/L.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)					
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES				
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS					
GC/MS FRACTION – VOLATILE COMPOUNDS																			
1V. Accrolein (107-02-8)			X	<1.67	<4e-4	(G)				1	ug/L	lbs	NA	NA	NA				
2V. Acrylonitrile (107-13-1)			X	<1.67	<4e-4	(G)				1	ug/L	lbs	NA	NA	NA				
3V. Benzene (71-43-2)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
4V. Bis (Chloromethyl) Ether (542-88-1)						(J)													
5V. Bromoform (75-25-2)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
7V. Chlorobenzene (108-90-7)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
8V. Chlorodibromomethane (124-48-1)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
9V. Chloroethane (75-00-3)			X	<0.333	<9e-5	(E)				1	ug/L	lbs	NA	NA	NA				
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	<1.67	<4e-4	(E)				1	ug/L	lbs	NA	NA	NA				
11V. Chloroform (67-66-3)			X	<0.333	<9e-5	(E)				1	ug/L	lbs	NA	NA	NA				
12V. Dichlorobromomethane (75-27-4)			X	<0.333	<9e-5	(E)				1	ug/L	lbs	NA	NA	NA				
13V. Dichlorodifluoromethane (75-71-8)						(J)													
14V. 1,1-Dichloroethane (75-34-3)			X	<0.333	<9e-5	(E)				1	ug/L	lbs	NA	NA	NA				
15V. 1,2-Dichloroethane (107-06-2)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
16V. 1,1-Dichloroethylene (75-35-4)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
17V. 1,2-Dichloropropane (78-87-5)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
18V. 1,3-Dichloropropylene (542-75-6)			X	<0.333	<9e-5	(G, L)				1	ug/L	lbs	NA	NA	NA				
19V. Ethylbenzene (100-41-4)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
20V. Methyl Bromide (74-83-9)			X	<0.337	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA				
21V. Methyl Chloride (74-87-3)			X	<0.333	<9e-5	(E)				1	ug/L	lbs	NA	NA	NA				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
																(1) CONCENTRATION
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)			X	<1.67	<4e-4	(G)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<9e-5	(E)				1	ug/L	lbs	NA	NA	NA	
29V. Trichloroethylene (79-01-6)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.00	<1e-3	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
2B. Acenaphthylene (208-96-8)			X	<0.300	<8e-5	(E)				1	ug/L	lbs	NA	NA	NA	
3B. Anthracene (120-12-7)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
4B. Benzidine (92-87-5)			X	<3.90	<1e-3	(G)				1	ug/L	lbs	NA	NA	NA	
5B. Benzo (a) Anthracene (56-55-3)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
6B. Benzo (a) Pyrene (50-32-8)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.300	<8e-5	(E)				1	ug/L	lbs	NA	NA	NA	
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.410	<1e-4	(G)				1	ug/L	lbs	NA	NA	NA	
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
18B. Chrysene (218-01-9)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichlorobenzene (106-46-7)			X	<0.333	<9e-5	(G)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichlorobenzidine (91-94-1)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitrotoluene (121-14-2)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitrotoluene (606-20-2)			X	<3.00	<8e-4	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.300	<8e-5	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachlorobenzene (118-74-1)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachlorobutadiene (87-68-3)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachlorocyclopentadiene (77-47-4)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
36B Hexachloroethane (67-72-1)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.50	<9e-4	(G)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.300	<8e-5	(E)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitrosodimethylamine (62-75-9)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
43B. N-Nitrosodiphenylamine (86-30-6)			X	<3.00	<8e-4	(G, M)				1	ug/L	lbs	NA	NA	NA	
44B. Phenanthrene (85-01-8)			X	<0.300	<8e-5	(E)				1	ug/L	lbs	NA	NA	NA	
45B. Pyrene (129-00-0)			X	<0.300	<8e-5	(G)				1	ug/L	lbs	NA	NA	NA	
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<3.00	<8e-4	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – PESTICIDES																
1P. Aldrin (309-00-2)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	
2P. α-BHC (319-84-6)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	
3P. β-BHC (319-85-7)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	
4P. γ-BHC (58-89-9)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	
5P. δ-BHC (319-86-8)			X	<0.00672	<2e-6	(E)				1	ug/L	lbs	NA	NA	NA	
6P. Chlordane (57-74-9)			X	<0.0773	<2e-5	(G)				1	ug/L	lbs	NA	NA	NA	
7P. 4,4'-DDT (50-29-3)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
8P. 4,4'-DDE (72-55-9)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
9P. 4,4'-DDD (72-54-8)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
10P. Dieldrin (60-57-1)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
11P. α-Endosulfan (115-29-7)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	
12P. β-Endosulfan (115-29-7)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
14P. Endrin (72-20-8)			X	<0.0101	<3e-6	(G)				1	ug/L	lbs	NA	NA	NA	
15P. Endrin Aldehyde (7421-93-4)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	
16P. Heptachlor (76-44-8)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA	

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A181

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.00672	<2e-6	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0378	<1e-5	(G)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.152	<4e-5	(G)				1	ug/L	lbs	NA	NA	NA

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 03A181

A	Calculated using data collected between October 2017 and September 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2017 and September 2018.
C	The pH values provided were determined using data collected between October 2014 and September 2018.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

NM0890010515

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

FORM
2C
NPDES



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

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

A. OUTFALL NUMBER <i>(list)</i>	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER <i>(name)</i>
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
03A199	35.00	52.00	20.00	106.00	18.00	46.00	Ephemeral Tributary Sandia Canyon in
							Water Quality Segment 20.6.4.126 NMAC

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

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

1. OUT-FALL NO. <i>(list)</i>	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION <i>(list)</i>	b. AVERAGE FLOW <i>(include units)</i>	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
03A199	Laboratory Data Communications	36,024 GPD	Dechlorination	2	E
	Center (LDCC)		Disinfection (other)	2	H
	- Treated Cooling Tower Blowdown		Reduction	2	L

OFFICIAL USE ONLY (effluent guidelines sub-categories)

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW					
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY		
03A199	Laboratory Data Communications Center (LDCC) - Treated Cooling Tower Blowdown	7	12	0.036	0.074	36,024	74,000	365	

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

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CONTINUED FROM PAGE 2

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT		2. SOURCE	
NA	NA	NA	NA

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

NA

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS, PCB
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

Michael W. Hazen, Associate Laboratory Director ESHQSS

B. PHONE NO. (area code & no.)

(505) 667-4218

C. SIGNATURE



D. DATE SIGNED

3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

William S. Goodrum, Manager Los Alamos Field Office

B. PHONE NO. (area code & no.)

(505) 667-5105

C. SIGNATURE

D. DATE SIGNED

3-25-19

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 03A199
--	-----------------------

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

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (<i>BOD</i>)	1.82	1.12	(D)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (<i>COD</i>)	37.1	22.9					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (<i>TOC</i>)	8.84	5.46					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (<i>TSS</i>)	4.7 (A)	2.90	4.7 (A)	1.79	1.51 (A)	0.476	17	mg/L	lbs	NA	NA	NA
e. Ammonia (<i>as N</i>)	0.0504	0.0311					1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.074 (A)		VALUE 0.0457 (A)		VALUE 0.036 (A)		364	MGD	NA	VALUE NA		NA
g. Temperature (<i>winter</i>)	VALUE 19.1 (B)		VALUE 18.6 (B)		VALUE 17.9 (B)		12	°C		VALUE NA		NA
h. Temperature (<i>summer</i>)	VALUE 24.3 (B)		VALUE 23.4 (B)		VALUE 22.2 (B)		12	°C		VALUE NA		NA
i. pH	MINIMUM 7.3 (C)	MAXIMUM 8.6 (C)	MINIMUM 7.5 (C)	MAXIMUM 8.5 (C)			209	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		3.75	2.32					1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0.98 (I,O)	0.6052	0.98 (I,O)	0.373	0.02 (I,O)	0.006	209	mg/L	lbs	NA	NA	NA
c. Color		X	<5	NA	(E,F)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform		X	<1	NA	(E,K)				1	No/100mL	lbs	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.278	0.1717					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		1.4	0.8646					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		0.852	0.5262					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease	X		<1.51	<0.9325	(E, N)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		1.58 (O)	0.9757	1.5 (O)	0.602	0.7239 (O)	0.228	17	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	<2.88	NA	(E)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		5.8	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total	X		0.7747	NA					1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total	X		0.740	NA					1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		25.5	15.748					1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.033	<0.0204	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)	X		9.1	5.62	(O)				1	mg/L	lbs	NA	NA	NA
n. Surfactants		X	<0.017	<0.0105	(E, F)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		<19.3	<0.0119	(H, N)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		51.7	0.0319	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		34.9	0.0216	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.3	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)		X	<33	<2e-02	(E)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		6620	4.09					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		1.85	1e-03	(I)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		<1	<6e-04	(E, N)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<6e-04	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<1e-3	(E, N)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A199

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		<2	<1e-03	(G, N)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		7.88	5e-03	(D)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		3.15	2e-03					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)		X		<0.5	<3e-04	(G, N)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)		X		<0.067	<4e-5	(H, N)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		<0.6	<4e-04	(H, N)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		<2	<1e-03	(G, N)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<4e-04	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		3.6	2e-03	(D)				1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		<1.67	<1e-03	(E, N)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS The result was less than the detection limit <10.3 pg/L, however, the detection limit used was greater than the MQL of 10.0 pg/L.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Accrolein (107-02-8)			X	<1.67	<1E-03	(G)				1	ug/L	lbs	NA	NA	NA	
2V. Acrylonitrile (107-13-1)			X	<1.67	<1E-03	(G)				1	ug/L	lbs	NA	NA	NA	
3V. Benzene (71-43-2)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
4V. Bis (Chloromethyl) Ether (542-88-1)						(J)										
5V. Bromoform (75-25-2)		X		0.85	5E-04	(D)				1	ug/L	lbs	NA	NA	NA	
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
7V. Chlorobenzene (108-90-7)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
8V. Chlorodibromomethane (124-48-1)		X		<0.333	<2E-04	(G, N)				1	ug/L	lbs	NA	NA	NA	
9V. Chloroethane (75-00-3)			X	<0.333	<2E-04	(E)				1	ug/L	lbs	NA	NA	NA	
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	<1.67	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA	
11V. Chloroform (67-66-3)		X		<0.333	<2E-04	(E, N)				1	ug/L	lbs	NA	NA	NA	
12V. Dichlorobromomethane (75-27-4)		X		<0.333	<2E-04	(E, N)				1	ug/L	lbs	NA	NA	NA	
13V. Dichlorodifluoromethane (75-71-8)						(J)										
14V. 1,1-Dichloroethane (75-34-3)			X	<0.333	<2E-04	(E)				1	ug/L	lbs	NA	NA	NA	
15V. 1,2-Dichloroethane (107-06-2)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
16V. 1,1-Dichloroethylene (75-35-4)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
17V. 1,2-Dichloropropane (78-87-5)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
18V. 1,3-Dichloropropylene (542-75-6)			X	<0.333	<2E-04	(G, L)				1	ug/L	lbs	NA	NA	NA	
19V. Ethylbenzene (100-41-4)			X	<0.333	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
20V. Methyl Bromide (74-83-9)			X	<0.337	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
21V. Methyl Chloride (74-87-3)			X	<0.333	<2E-04	(E)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)		X		<1.67	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
25V. Toluene (108-88-3)		X		<0.333	<2e-04	(G, N, O)				1	ug/L	lbs	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<2e-04	(E)				1	ug/L	lbs	NA	NA	NA
29V Trichloroethylene (79-01-6)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)						(J)									
31V. Vinyl Chloride (75-01-4)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.05	<3e-03	(G)				1	ug/L	lbs	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			X	<3.03	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			X	<3.03	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.03	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
10A. Phenol (108-95-2)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphthylene (208-96-8)			X	<0.303	<2e-04	(E)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<3.94	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.303	<2e-04	(E)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.03	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.03	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.414	<3e-04	(G)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.03	<2e-03	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA

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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichloro- benzene (106-46-7)			X	<0 . 333	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichloro- benzidine (91-94-1)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0 . 3 03	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131 -11-3)			X	<0 . 3 03	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0 . 3 03	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitro- toluene (121-14-2)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitro- toluene (606-20-2)			X	<3 . 03	<2e- 03	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0 . 3 03	<2e- 04	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0 . 3 03	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0 . 3 03	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachloro- benzene (118-74-1)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachloro- butadiene (87-68-3)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachloro- cyclopentadiene (77-47-4)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
36B Hexachloro- ethane (67-72-1)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0 . 3 03	<2e- 04	(G)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3 . 54	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0 . 3 03	<2e- 04	(E)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitro- sodimethylamine (62-75-9)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X	<3 . 03	<2e- 03	(G)				1	ug/L	lbs	NA	NA	NA	

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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)			X	<3.03	<2e-03	(G, M)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.303	<2e-04	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.303	<2e-04	(G)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<3.03	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.007	<4e-06	(E)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.0805	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Enosulfan (115-29-7)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.0105	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
NM0890010515	03A199

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.007	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0354	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.158	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 03A199

A	Calculated using data collected between October 2017 and September 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2017 and September 2018.
C	The pH values provided were determined using data collected between October 2014 and September 2018.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

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

NM0890010515

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

Please print or type in the unshaded areas only.

**FORM
2C
NPDES**



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

I. OUTFALL LOCATION

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

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
04A022	35.00	52.00	17.00	106.00	18.00	58.00	Mortandad Canyon, Water Quality
							Segment 20.6.4.128 NMAC

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

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

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

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
04A022	Once Through Cooling Water	1,020 GPD	Dechlorination	2	E
	- Circulating Tank/Sump		Reduction	2	L
	- Air Washers				
04A022	Treated Emergency Cooling Water	1,008 GPD	Dechlorination	2	E
	- TA-3-66 Foundry		Reduction	2	L
	(NOT ROUTINE)				
04A022	Stormwater - TA3-66 Roof Drains	1,413 GPD	Dechlorination	2	E

OFFICIAL USE ONLY (effluent guidelines sub-categories)

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER <i>(list)</i>	2. OPERATION(s) CONTRIBUTING FLOW <i>(list)</i>	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK <i>(specify average)</i>	b. MONTHS PER YEAR <i>(specify average)</i>	a. FLOW RATE <i>(in mgd)</i>		B. TOTAL VOLUME <i>(specify with units)</i>		C. DURATION <i>(in days)</i>
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
04A022	Once Through Cooling Water - Circulating Tank/Sump - Air Washers	7	12	0.00102 MGD	0.0144 MGD	1,020 GALLONS	14,400 GALLONS	365
	Emergency Cooling Water (not routine) - TA-3-66 Foundry	0.4	0.7	0.0010 MGD	0.028 MGD	1,008 GALLONS	28,000 GALLONS	22
	Stormwater - TA-3-66 Roof Drains	0.9	1.6	0.0014 MGD	0.007 MGD	1,413 GALLONS	6,894 GALLONS	49

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

1. POLLUTANT		2. SOURCE	
NA	NA	NA	NA

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

☒ NO (go to Item VI-B)

CONTINUE ON REVERSE

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

Michael W. Hazen, Associate Laboratory Director ESHQSS

B. PHONE NO. (area code & no.)

(505) 667-4218

C. SIGNATURE



D. DATE SIGNED

3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) William S. Goodrum, Manager Los Alamos Field Office	B. PHONE NO. (area code & no.) (505) 667-5105
C. SIGNATURE 	D. DATE SIGNED 3-25-19

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 04A022
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PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
a. Biochemical Oxygen Demand <i>(BOD)</i>	1.27	0.153	(D)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand <i>(COD)</i>	19.0	2.28	(D)				1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon <i>(TOC)</i>	<0.66	<0.0793	(E)				1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids <i>(TSS)</i>	13.4	1.61	13.4	0.475	3.631	0.0309	18	mg/L	lbs	NA	NA	NA
e. Ammonia <i>(as N)</i>	0.0343	0.00412	(D)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.0144 (A)		VALUE 0.0043 (A)		VALUE 0.001 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature <i>(winter)</i>	VALUE 16.2 (B)		VALUE 12.8 (B)		VALUE 12.1 (B)		13	°C		VALUE NA		NA
h. Temperature <i>(summer)</i>	VALUE 23.1 (B)		VALUE 21.9 (B)		VALUE 20.8 (B)		13	°C		VALUE NA		NA
i. pH	MINIMUM 7	MAXIMUM 8.2	MINIMUM 7.2	MAXIMUM 8.1			191	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		<0.067	<0.008	(E)				1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0 (O)	0	0 (O)	0	0 (O)	0	41	mg/L	lbs	NA	NA	NA
c. Color	X		<5	NA	(E, N)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform		X	<1	NA	(E, K)				1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.247	0.0297					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		0.215	0.0258					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
			CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
g. Nitrogen, Total Organic (as N)	X		0.0434	0.00522	(D)				1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.44	<0.173	(E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.0294	0.00353	(E)				1	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	<1.14	NA	(E)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		<2.21	NA	(E, N)				1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		X	<0.534	NA	(E)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total		X	<0.19	NA	(E)				1	pCi/L	NA	NA	NA	NA
k. Sulfate (as SO ₄) (14808-79-8)	X		2.48	0.298					1	mg/L	lbs	NA	NA	NA
l. Sulfide (as S)		X	<0.033	<4E-03	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite (as SO ₃) (14265-45-3)		X	0	0					1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		0.0266	0.0032	(D)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	<19.3	<0.0023	(H)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		64.3	0.00773	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		20.9	0.00251	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		33.2	0.00399	(D)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		2800	0.336					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		1.67	2E-04	(I)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	<1	<1E-04	(E)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<1E-04	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<2E-04	(E, N)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	04A022

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<1E-04	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		<2	<2E-04	(H, N)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<2E-05	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		3.49	4E-04	(I, D)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		5.46	7E-04					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.5	<6E-05	(G)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	<0.067	<8E-06	(H)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)			X	<0.6	<7E-05	(H)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		<2	<2E-04	(G, N)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<7E-05	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		26.5	3E-03					1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total			X	<1.67	<2E-04	(E)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical result is <11.7 pg/L (lower than the MDL). However, the MDL is greater than the EPA MQL 10 pg/L.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X	<1.67	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	<1.67	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
3V. Benzene (71-43-2)			X	0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)						(J)									
5V. Bromoform (75-25-2)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
9V. Chloroethane (75-00-3)			X	<0.333	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)			X	<1.67	<2e-4	(E)				1	ug/L	lbs	NA	NA	NA
11V. Chloroform (67-66-3)			X	<0.333	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)			X	<0.333	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)						(J)									
14V. 1,1-Dichloroethane (75-34-3)			X	<0.333	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)			X	<0.333	<4E-05	(G, L)				1	ug/L	lbs	NA	NA	NA
19V. Ethylbenzene (100-41-4)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	<0.337	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	<0.333	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)			X	<1.67	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA	
29V. Trichloroethylene (79-01-6)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.0	<6E-04	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.0	<4E-04	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.0	<4E-04	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.0	<4E-04	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION (2) MASS		
													(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphtylene (208-96-8)			X	<0.3	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<3.9	<5E-04	(G)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.3	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X	<3.0	<4E-04	(E)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<2E-04	(G)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.0	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloronaphthalene (91-58-7)			X	<0.41	<5E-05	(G)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	<3.0	<4E-04	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichlorobenzene (95-50-1)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Dichlorobenzene (541-73-1)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichlorobenzene (106-46-7)			X	<0.333	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichlorobenzidine (91-94-1)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitrotoluene (121-14-2)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitrotoluene (606-20-2)			X	<3.0	<4E-04	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.3	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenylhydrazine (as Azo-benzene) (122-66-7)			X	<3.0	<4e-04	(G)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachlorobenzene (118-74-1)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachlorobutadiene (87-68-3)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachlorocyclopentadiene (77-47-4)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
36B. Hexachloroethane (67-72-1)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.5	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.3	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitrosodimethylamine (62-75-9)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
43B. N-Nitrosodiphenylamine (86-30-6)			X	<3 . 0	<4e-04	(G , M)				1	ug/L	lbs	NA	NA	NA	
44B. Phenanthrene (85-01-8)			X	<0 . 3	<4E-05	(E)				1	ug/L	lbs	NA	NA	NA	
45B. Pyrene (129-00-0)			X	<0 . 3	<4E-05	(G)				1	ug/L	lbs	NA	NA	NA	
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<3 . 0	<4E-04	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – PESTICIDES																
1P. Aldrin (309-00-2)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	
2P. α-BHC (319-84-6)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	
3P. β-BHC (319-85-7)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	
4P. γ-BHC (58-89-9)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	
5P. δ-BHC (319-86-8)			X	<0 . 00739	<9E-07	(E)				1	ug/L	lbs	NA	NA	NA	
6P. Chlordane (57-74-9)			X	<0 . 85	<1E-05	(G)				1	ug/L	lbs	NA	NA	NA	
7P. 4,4'-DDT (50-29-3)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
8P. 4,4'-DDE (72-55-9)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
9P. 4,4'-DDD (72-54-8)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
10P. Dieldrin (60-57-1)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
11P. α-Enosulfan (115-29-7)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	
12P. β-Endosulfan (115-29-7)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
13P. Endosulfan Sulfate (1031-07-8)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
14P. Endrin (72-20-8)			X	<0 . 0111	<1E-06	(G)				1	ug/L	lbs	NA	NA	NA	
15P. Endrin Aldehyde (7421-93-4)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	
16P. Heptachlor (76-44-8)			X	<0 . 00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA	

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	04A022

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.00739	<9E-07	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0351	<4E-06	(G)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.167	<2E-05	(G)				1	ug/L	lbs	NA	NA	NA

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 04A022

A	Calculated using data collected between October 2017 and September 2018.
B	Summer (June, July, August) and Winter (December, January, February) temperatures were determined using data collected between October 2017 and September 2018.
C	The pH values provided were determined using data collected between October 2014 and September 2018.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

NM0890010515

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

Please print or type in the unshaded areas only.

FORM 2C NPDES				U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS Consolidated Permits Program					
I. OUTFALL LOCATION									
For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.									
A. OUTFALL NUMBER (list)		B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)	
		1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.		
05A055		30.00	50.00	49.00	106.00	19.00	52.00	Ephemeral Tributary to Canon De Valle,	
								Water Quality Segment 20.6.4.128 NMAC	
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES									
A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (<i>e.g., for certain mining activities</i>), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.									
B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.									
1. OUT-FALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW				3. TREATMENT				
	a. OPERATION (list)		b. AVERAGE FLOW (include units)		a. DESCRIPTION			b. LIST CODES FROM TABLE 2C-1	
05A055	High Explosives Wastewater Treatment Facility (HEWTF)		270 GPD		Slow Sand Filtration			1	V
					Carbon Adsorption			2	A
	= Treated Effluent				Ion Exchange			2	J
					Evaporation			1	F

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

☐ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
05A055	High Explosives Wastewater Treatment Facility (HEWTF) Treatment Facility	0.1	0.1	0.0003 MGD	0.0021 MGD	270 Gallons	2,120 Gallons	4

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

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

NM0890010515

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Dinitrotoluene (2C-3) Styrene (2C-3 and 2C-4) Uranium (2C-3)	High Explosives Waste Treatment Facility (HEWTF) - Chemicals identified on influent Waste Stream Profile forms.		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road Charleston SC 29407	(843) 556-8171	Biological Oxygen Demand, General Chemistry Pesticides, Polychlorinated Biphenyls, Radiochemistry, Semi-volatile Organic Compounds Total Metals, Total Suspended Solids, Volatile Organic Compounds
New Mexico Water Testing Laboratory, Inc.	401 North Coronado Ave Española, NM 87532	(505) 929-4545	E.Coli
Cape Fear Analytical LLC	3306 Kitty Hawk Road Suite 120 Wilmington, NC 28405	(910) 795-0421	TCDD (dioxin)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) Michael W. Hazen, Associate Laboratory Director ESHQSS	B. PHONE NO. (area code & no.) (505) 667-4218
C. SIGNATURE 	D. DATE SIGNED 3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

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☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)

William S. Goodrum, Manager Los Alamos Field Office

B. PHONE NO. (area code & no.)

(505) 667-5105

C. SIGNATURE

D. DATE SIGNED

3-25-19

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 05A055
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PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
a. Biochemical Oxygen Demand (<i>BOD</i>)	5.98	1.1e-1					1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (<i>COD</i>)	99.0	1.75					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (<i>TOC</i>)	1.50	2.65e-2	(D)				1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (<i>TSS</i>)	<0.57	<1e-2	(E)				1	mg/L	lbs	NA	NA	NA
e. Ammonia (<i>as N</i>)	2.27	4.02e-2	(O)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.0021 (A)		VALUE 0.0021 (A)		VALUE 0.0003 (A)		est.	MGD	NA	VALUE NA		NA
g. Temperature (<i>winter</i>)	VALUE 14.5 (B)		VALUE NA		VALUE NA		est.	°C		VALUE NA		NA
h. Temperature (<i>summer</i>)	VALUE 23.7 (B)		VALUE NA		VALUE NA		est.	°C		VALUE NA		NA
i. pH	MINIMUM 6.5 (C)	MAXIMUM 8.7 (C)	MINIMUM NA	MAXIMUM NA			NA	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		5.76	0.1					1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0.02	3.5e-04	(I)				1	mg/L	lbs	NA	NA	NA
c. Color		X	<5	NA	(E)				1	PCU	NA	NA	NA	NA
d. Fecal Coliform		X	<1	NA	(E, K)				1	cfu/100m	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		2.87	0.051					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite <i>(as N)</i>	X		29.5	0.522					1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic <i>(as N)</i>	X		3.88	0.69					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease	X		<1.59	<0.028	(E, N)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus <i>(as P)</i> , Total (7723-14-0)	X		5.65	0.1					1	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total		X	0	NA	(E)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		85.9	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total	X		<0.1819	NA	(E, N)				1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total	X		<0.0759	NA	(E, N)				1	pCi/L	Na	NA	NA	NA
k. Sulfate <i>(as SO₄)</i> (14808-79-8)	X		987	17.46					1	mg/L	lbs	NA	NA	NA
l. Sulfide <i>(as S)</i>		X	<0.033	<6e-04	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite <i>(as SO₃)</i> (14265-45-3)	X		0	0					1	mg/L	lbs	NA	NA	NA
n. Surfactants		X	<0.017	<3e-04	(E, F)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	<19.3	<0.341	(H)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		1.47	0.026	(D, I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		1510	26.7					1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)		X	<0.3	<5.3e-3	(G)				1	ug/L	lbs	NA	NA	Na
s. Iron, Total (7439-89-6)	X		66.7	1.18	(D)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)		X	<10	<0.177	(E)				1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		34.7	0.614					1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)		X	<1	<0.018	(E)				1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<0.018	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	<2	<0.035	(E)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A055

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)		X		22.1	0.039	(I)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		22.9	0.405	(D)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)		X		0.2	0.0035	(I)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<0.005	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		1.56	0.0276	(D, I)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		11.2	0.1982					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)		X		3.49	0.0617	(D)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)		X		0.085	0.0015	(D)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		5.26	0.0931					1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		9.25	0.1637	(D)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<0.005	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<0.011	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		49.8	0.8811					1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<3e-05	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		<1.67	<3e-05	(E, N)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical Result is <11 pg/L (less than the MDL). However, the MDL is greater than the EPA MQL OF 10 pg/L. (H)											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS																
1V. Accrolein (107-02-8)			X	<1.67	<3e-05	(G)				1	ug/L	lbs	NA	NA	NA	
2V. Acrylonitrile (107-13-1)			X	<1.67	<3e-50	(G)				1	ug/L	lbs	NA	NA	NA	
3V. Benzene (71-43-2)			X	<0.33	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
4V. Bis (Chloro-methyl) Ether (542-88-1)						(J)										
5V. Bromoform (75-25-2)			X	<0.33	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
7V. Chlorobenzene (108-90-7)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
8V. Chlorodi-bromomethane (124-48-1)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
9V. Chloroethane (75-00-3)			X	<0.333	<6e-06	(E)				1	ug/L	lbs	NA	NA	NA	
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			X	<1.67	<3e-05	(E)				1	ug/L	lbs	NA	NA	NA	
11V. Chloroform (67-66-3)			X	<0.333	<6e-06	(E,O)				1	ug/L	lbs	NA	NA	NA	
12V. Dichloro-bromomethane (75-27-4)			X	<0.333	<6e-06	(E)				1	ug/L	lbs	NA	NA	NA	
13V. Dichloro-difluoromethane (75-71-8)						(J)										
14V. 1,1-Dichloro-ethane (75-34-3)			X	<0.333	<6e-06	(E)				1	ug/L	lbs	NA	NA	NA	
15V. 1,2-Dichloro-ethane (107-06-2)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
16V. 1,1-Dichloro-ethylene (75-35-4)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
17V. 1,2-Dichloro-propane (78-87-5)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
18V. 1,3-Dichloro-propylene (542-75-6)			X	<0.333	<6e-06	(G,L)				1	ug/L	lbs	NA	NA	NA	
19V. Ethylbenzene (100-41-4)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
20V. Methyl Bromide (74-83-9)			X	<0.337	<6e-06	(E)				1	ug/L	lbs	NA	NA	NA	
21V. Methyl Chloride (74-87-3)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS <i>(continued)</i>																
22V. Methylene Chloride (75-09-2)			X	<1.67	<3e-05	(G)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)			X	<0.333	<6e-06	(G,O)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<6e-06	(E)				1	ug/L	lbs	NA	NA	NA	
29V. Trichloroethylene (79-01-6)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.00	<9e-05	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.00	<5e-05	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.00	<5e-05	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.00	<5e-05	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS																
1B. Acenaphthene (83-32-9)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
2B. Acenaphthylene (208-96-8)			X	<0.300	<5e-06	(E)				1	ug/L	lbs	NA	NA	NA	
3B. Anthracene (120-12-7)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
4B. Benzidine (92-87-5)			X	<3.90	<7e-05	(G)				1	ug/L	lbs	NA	NA	NA	
5B. Benzo (a) Anthracene (56-55-3)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
6B. Benzo (a) Pyrene (50-32-8)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.300	<5e-06	(E)				1	ug/L	lbs	NA	NA	NA	
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.00	<5e-05	(E)				1	ug/L	lbs	NA	NA	NA	
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA	
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<3e-05	(G)				1	ug/L	lbs	NA	NA	NA	
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.00	<5e-05	(E)				1	ug/L	lbs	NA	NA	NA	
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.410	<7e-06	(G)				1	ug/L	lbs	NA	NA	NA	
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.00	<5e-05	(E)				1	ug/L	lbs	NA	NA	NA	
18B. Chrysene (218-01-9)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA	
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
22B. 1,4-Dichloro- benzene (106-46-7)			X	<0.333	<6e-06	(G)				1	ug/L	lbs	NA	NA	NA
23B. 3,3-Dichloro- benzidine (91-94-1)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
27B. 2,4-Dinitro- toluene (121-14-2)			X	<3.00	<5e-05	(G, O)				1	ug/L	lbs	NA	NA	NA
28B. 2,6-Dinitro- toluene (606-20-2)			X	<3.00	<5e-05	(E, O)				1	ug/L	lbs	NA	NA	NA
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.300	<5e-06	(E)				1	ug/L	lbs	NA	NA	NA
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X	<3.0	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
32B. Fluorene (86-73-7)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
33B. Hexachloro- benzene (118-74-1)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
34B. Hexachloro- butadiene (87-68-3)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
35B. Hexachloro- cyclopentadiene (77-47-4)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
36B Hexachloro- ethane (67-72-1)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
38B. Isophorone (78-59-1)			X	<3.50	<6e-05	(G)				1	ug/L	lbs	NA	NA	NA
39B. Naphthalene (91-20-3)			X	<0.300	<5e-06	(E)				1	ug/L	lbs	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
41B. N-Nitro- sodimethylamine (62-75-9)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)			X	<3.0	<5E-05	(G, M)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.300	<5e-06	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.300	<5e-06	(G)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X	<3.00	<5e-05	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.0070	<1e-07	(E)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.0805	<1e-60	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Endosulfan (115-29-7)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.0105	<2e-07	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i> NM0890010515	OUTFALL NUMBER 05A055
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CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS		
GC/MS FRACTION – PESTICIDES <i>(continued)</i>																
17P. Heptachlor Epoxide (1024-57-3)			X	<0.0070	<1e-07	(G)				1	ug/L	lbs	NA	NA	NA	
18P. PCB-1242 (53469-21-9)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
19P. PCB-1254 (11097-69-1)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
20P. PCB-1221 (11104-28-2)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
21P. PCB-1232 (11141-16-5)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
22P. PCB-1248 (12672-29-6)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
23P. PCB-1260 (11096-82-5)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
24P. PCB-1016 (12674-11-2)			X	<0.0732	<1e-06	(G)				1	ug/L	lbs	NA	NA	NA	
25P. Toxaphene (8001-35-2)			X	<0.1580	<3e-06	(G)				1	ug/L	lbs	NA	NA	NA	

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 05A055

A	The flow rates provided are estimated based upon tank capacity and a maximum flow rate to the outfall of 3 gpm.
B	The temperatures provided are based upon historical data provided in the 2004 NPDES Permit Application.
C	The pH range provided are based upon historical data provided in the 2004 NPDES Permit Application and field parameter data collected in August of 2019.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

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Please print or type in the unshaded areas only.

CONTINUE ON REVERSE

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		C. DURATION (in days)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
13S	Sanitary Wastewater System (SWWS) Treated Effluent	7	12	0.0229 MGD	0.418 MGD	228,808 GALLONS	418,000 GALLONS	365

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

EPA I.D. NUMBER (copy from Item 1 of Form 1)
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CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Aniline (2C-3) Carbon Disulfide (2C-3) Cresol (2C-3) Strontium (2C-3) Styrene (2C-3) Uranium (2C-3) Vanadium (2C-3)	Sanitary Wastewater System (SWWS) Effluent. A review of the waste stream profiles associated with the water treated at the SWWS identified the 7 Form 2C-3 pollutants listed in Section V.D.1.		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

NA

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

NA

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	OC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) Michael W. Hazen, Associate Laboratory Director ESHQSS	B. PHONE NO. (area code & no.) (505) 667-4218
C. SIGNATURE 	D. DATE SIGNED 3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

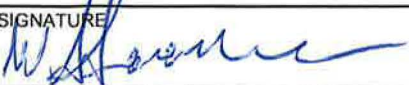
☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) William S. Goodrum, Manager Los Alamos Field Office	B. PHONE NO. (area code & no.) (505) 667-5105
C. SIGNATURE 	D. DATE SIGNED 3.25-19

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

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

NM0890010515

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

OUTFALL NO.

13S

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

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
	CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
a. Biochemical Oxygen Demand (<i>BOD</i>)	1.59	5.546	(D)				1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (<i>COD</i>)	67.5	235.5					1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (<i>TOC</i>)	6.04	21.07					1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (<i>TSS</i>)	5.08	17.72					1	mg/L	lbs	NA	NA	NA
e. Ammonia (<i>as N</i>)	0.215	0.75	(P)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.418 (A)		VALUE 0.2529 (A)		VALUE 0.229 (A)		365	MGD	NA	VALUE NA		NA
g. Temperature (<i>winter</i>)	VALUE 8.0 (B)		VALUE NA		VALUE NA		0	°C		VALUE NA		NA
h. Temperature (<i>summer</i>)	VALUE 25.5 (B)		VALUE NA		VALUE NA		0	°C		VALUE NA		NA
i. pH	MINIMUM 7.5 (C)	MAXIMUM 7.7 (C)	MINIMUM 7.5 (C)	MAXIMUM 7.7 (C)			2	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		0.126	0.4395	(D)				1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		1.62 (C,P)	5.6512	1.62 (C,P)	3.419	0.985 (C,P)	1.881	2	mg/L	lbs	NA	NA	NA
c. Color	X		10	NA					1	PCU	NA	NA	NA	NA
d. Fecal Coliform	X		2	(L)					1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.348	1.214					1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		0.0498	0.1737	(D)				1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic <i>(as N)</i>	X		0.991	3.457	(P)				1	mg/L	lbs	NA	NA	NA
h. Oil and Grease		X	<1.49	<5.198	(E)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus <i>(as P)</i> , Total (7723-14-0)	X		3.12	10.884	(P)				1	mg/L	lbs	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total	X		<1.16		(O)				1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		13.2	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		X	<0.487	NA					1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total		X	<0.31	NA					1	pCi/L	NA	NA	NA	NA
k. Sulfate <i>(as SO₄)</i> (14808-79-8)	X		19.3	67.326					1	mg/L	lbs	NA	NA	NA
l. Sulfide <i>(as S)</i>		X	<0.033	<0.1151					1	mg/L	lbs	NA	NA	NA
m. Sulfite <i>(as SO₃)</i> (14265-45-3)	X		0	0	(P)				1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		0.0389	0.1357	(D)				1	mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)	X		21.7	0.0757	(D)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		21.8	0.0760	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		51.9	0.1810	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)	X		<0.3	<0.0010	(G,O)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		49.7	0.1734	(D)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		6570	22.92					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		1.85	0.0065	(I)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		31.8	0.1109					1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)		X	<1	<0.0035	(E)				1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		<2	<0.0070	(E,O)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	13S

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1	<4e-03	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		X		3	0.0105	(D)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<7e-04	(G)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)		X		<3	<0.011	(G,O)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		1.2	4e-03					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.5	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)		X		<0.067	<2e-04	(H,O)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		<0.6	<2e-03	(H,O)				1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)		X		<2	<7e-03	(G,O)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<2e-03	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		48.5	0.1692					1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<6e-03	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		2.21	0.0077	(D,P)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical Result = <11.3 pg/L (lower than the MDL) however, the MDL used is greater than EPA MQL of 10 pg/L.											

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X	<1.67	<6e-03	(G)				1	ug/L	lbs	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	<1.67	<6e-03	(G)				1	ug/L	lbs	NA	NA	NA
3V. Benzene (71-43-2)		X		0.68	2e-03	(D, P)				1	ug/L	lbs	NA	NA	NA
4V. Bis (Chloro- methyl) Ether (542-88-1)						(J)									
5V. Bromoform (75-25-2)		X		4.46	2e-02	(I)				1	ug/L	lbs	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
8V. Chlorodi- bromomethane (124-48-1)		X		25.2	9e-02	(I)				1	ug/L	lbs	NA	NA	NA
9V. Chloroethane (75-00-3)			X	<0.333	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X	<1.67	<0.006	(E)				1	ug/L	lbs	NA	NA	NA
11V. Chloroform (67-66-3)		X		20.2	7e-02	(P)				1	ug/L	lbs	NA	NA	NA
12V. Dichloro- bromomethane (75-27-4)		X		32.6	1e-01					1	ug/L	lbs	NA	NA	NA
13V. Dichloro- difluoromethane (75-71-8)						(J)									
14V. 1,1-Dichloro- ethane (75-34-3)			X	<0.333	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
15V. 1,2-Dichloro- ethane (107-06-2)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
16V. 1,1-Dichloro- ethylene (75-35-4)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
17V. 1,2-Dichloro- propane (78-87-5)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
18V. 1,3-Dichloro- propylene (542-75-6)			X	<0.333	<1e-03	(G, M)				1	ug/L	lbs	NA	NA	NA
19V. Ethylbenzene (100-41-4)		X		<0.333	<1e-03	(G, P)				1	ug/L	lbs	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	<0.337	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	<0.333	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)			X	<1.67	<6e-03	(G)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)		X		<0.333	<1e-03	(G, P)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA	
29V Trichloroethylene (79-01-6)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.00	<2e-02	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.00	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.00	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.00	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.00	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA	

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphtylene (208-96-8)			X	<0.3	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<3.9	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.3	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-C'hlora-ethoxy) Methane (111-91-1)			X	<3.0	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-C'hlora-ethyl) Ether (111-44-4)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<0.006	(G)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)		X		6.54	2e-02	(I)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.0	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.41	1E-03	(G)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.0	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	<0.333	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
23B. 3,3-Dichlorobenzidine (91-94-1)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			X	<3.0	<1e-02	(E)				1	ug/L	lbs	NA	NA	NA
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.3	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
31B. Fluoranthene (206-44-0)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
32B. Fluorene (86-73-7)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
36B Hexachloroethane (67-72-1)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
38B. Isophorone (78-59-1)			X	<3.5	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
39B. Naphthalene (91-20-3)			X	<0.3	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
40B. Nitrobenzene (98-95-3)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	<3.0	<1e-02	(N)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.3	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<3.0	<1e-02	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)		X		0.0558	2e-04					1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.081	<3e-04	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Endosulfan (115-29-7)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.011	<4e-05	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
NM0890010515	13S

CONTINUED FROM PAGE V-8

CONTINUED FROM PAGE 4

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)		
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS		
GC/MS FRACTION – PESTICIDES <i>(continued)</i>																
17P. Heptachlor Epoxide (1024-57-3)			X	<0.007	<2e-05	(G)				1	ug/L	lbs	NA	NA	NA	
18P. PCB-1242 (53469-21-9)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
19P. PCB-1254 (11097-69-1)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
20P. PCB-1221 (11104-28-2)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
21P. PCB-1232 (11141-16-5)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
22P. PCB-1248 (12672-29-6)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
23P. PCB-1260 (11096-82-5)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
24P. PCB-1016 (12674-11-2)		X		<0.0333	<1e-04	(G, K, P)				1	ug/L	lbs	NA	NA	NA	
25P. Toxaphene (8001-35-2)			X	<0.16	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA	

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 13S

A	Calculated using data collected between October 2017 and September 2018.
B	The temperatures provided are based upon historical data provided in the 2004 NPDES Permit Application.
C	The pH range and total residual chlorine are based upon field data collected in September 2018.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	Results were obtained using the EPA Aroclor Method 608.3. PCBs are believed to be present in low concentrations based upon Waste Stream Profiles for wastewater treated at SWWS and sampling data collected by operations.
L	The E. Coli result is provided as an indicator for Fecal Coliform.
M	Result is for cis- and trans-1,3 dichloropropylene.
N	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
O	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
P	Identified as a potential pollutant from one of the sources discharging to the outfall.

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

FORM 2C NPDES		EPA		U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS Consolidated Permits Program					
I. OUTFALL LOCATION									
For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.									
A. OUTFALL NUMBER <i>(list)</i>		B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER <i>(name)</i>	
		1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.		
051		35.00	51.00	54.00	106.00	17.00	54.00	Effluent Canyon, Tributary in Mortandad	
								Canyon, Water Quality Segment	
								20.6.4.128 NMAC	
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES									
A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (<i>e.g., for certain mining activities</i>), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures. B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.									
1. OUT-FALL NO. <i>(list)</i>	2. OPERATION(S) CONTRIBUTING FLOW			3. TREATMENT					
	a. OPERATION <i>(list)</i>	b. AVERAGE FLOW <i>(include units)</i>		a. DESCRIPTION				b. LIST CODES FROM TABLE 2C-1	
051	Radioactive Liquid Waste Treatment	20,000 GPD (Batch)		Evaporation				1	F
	Facility (RLWTF) Treated Effluent			Mixing				1	O
	- Treated Process Water	(18,400 GPD, 92%)		Reverse Osmosis (Hyperfiltration)				1	S
	- Treated Cooling Water	(200 GPD, 1%)		Sedimentation (Settling)				1	U
	- Treated Storm Water	(1,400 GPD, 7%)		Chemical Precipitation				2	C
				Ion Exchange				2	J
				Neutralization				2	K
				Landfill				5	Q
				Pressure Filtration				5	R
				Vacuum Filtration				5	U
OFFICIAL USE ONLY <i>(effluent guidelines sub-categories)</i>									

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

☒ YES (complete the following table)

☐ NO (go to Section III)

1. OUTFALL NUMBER <i>(list)</i>	2. OPERATION(s) CONTRIBUTING FLOW <i>(list)</i>	3. FREQUENCY *		4. FLOW				
		a. DAYS PER WEEK <i>(specify average)</i>	b. MONTHS PER YEAR <i>(specify average)</i>	a. FLOW RATE <i>(in mgd)</i>		B. TOTAL VOLUME <i>(specify with units)</i>		C. DURATION <i>(in days)</i>
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
051	Radioactive Liquid Waste Treatment Facility (RLWTF) Treated Effluent	4	12	0.02 MGD	0.04 MGD	20,000 GALLONS	39,840 GALLONS	208

III. PRODUCTION

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

☐ YES (complete Item III-B)

☒ NO (go to Section IV)

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

☐ YES (complete Item III-C)

☒ NO (go to Section IV)

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

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
NA	NA	NA	NA

IV. IMPROVEMENTS

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

☐ YES (complete the following table)

☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
NA	NA	NA	NA	NA	NA

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

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

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

NM0890010515

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

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

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Carbon Disulfide Cresol Strontium Uranium Vanadium Xylene Zirconium	Identified on a Waste Stream Profile associated with the influent treated at the RLW Treatment Facility		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☒ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

Whole Effluent Lethality 48-hr acute, Critical dilution 100% with a dilution series of 32%, 42%, 56%, 75%, and 100%.

Daphnia pulex, 3-hr composite

RESULTS for Sample Collected September 24, 2018: NOEC = 100%, PASS

VIII. CONTRACT ANALYSIS INFORMATION

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

☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
GEL Laboratories LLC	2040 Savage Road, Charleston SC 29407	(843) 556-8171	VOC, SVOC, Pesticides, Metals, Radiochemistry, General Chemistry, BOD, TSS
Cape Fear Analytical LLC	3306 Kitty Hawk Road, Suite 120, Wilmington NC 28405	(910) 795-0421	Dioxins and Furans
New Mexico Water Testing Laboratory Inc.	401 North Coronado Ave, Espanola, NM 87532	(505) 929-4545	E-Coli
Pacific EcoRisk	2250 Cordelia Rd., Fairfield CA 94534	(707) 207-7760	Whole Effluent Toxicity

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (area code & no.)
Michael W. Hazen, Associate Laboratory Director ESHQSS	(505) 667-4218
C. SIGNATURE	D. DATE SIGNED
	3-20-19

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES (identify the test(s) and describe their purposes below)

☐ NO (go to Section VIII)

EXTRA PAGE FOR SIGNATURE ONLY

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (type or print) William S. Goodrum, Manager Los Alamos Field Office	B. PHONE NO. (area code & no.) (505) 667-5105
C. SIGNATURE 	D. DATE SIGNED 3-25-19

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

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

NM0890010515

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 051
--	--------------------

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

1. POLLUTANT	2. EFFLUENT						3. UNITS <i>(specify if blank)</i>		4. INTAKE <i>(optional)</i>			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (<i>BOD</i>)	10.2	3.39					1	mg/L	lbs	NA	NA	NA
b. Chemical Oxygen Demand (<i>COD</i>)	19	6.32	(D)				1	mg/L	lbs	NA	NA	NA
c. Total Organic Carbon (<i>TOC</i>)	<0.66	<0.219	(E)				1	mg/L	lbs	NA	NA	NA
d. Total Suspended Solids (<i>TSS</i>)	<0.57	<0.19	(E)				1	mg/L	lbs	NA	NA	NA
e. Ammonia (<i>as N</i>)	0.393	0.131	(O)				1	mg/L	lbs	NA	NA	NA
f. Flow	VALUE 0.0398 (A)		VALUE 0.02 (A)		VALUE 0.02 (A)		est.	MGD	NA	VALUE NA		NA
g. Temperature (<i>winter</i>)	VALUE 24.0 (B)		VALUE NA		VALUE NA		est.	°C		VALUE NA		NA
h. Temperature (<i>summer</i>)	VALUE 20.0 (B)		VALUE NA		VALUE NA		est.	°C		VALUE NA		NA
i. pH	MINIMUM 6.1 (C)	MAXIMUM 8.9 (C)	MINIMUM NA	MAXIMUM NA			est.	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		0.0717	2.4e-02	(D)				1	mg/L	lbs	NA	NA	NA
b. Chlorine, Total Residual	X		0.4	1.3e-01	(I, O)				1	mg/L	lbs	NA	NA	NA
c. Color	X		5	NA	(F)					PCU	NA	NA	NA	NA
d. Fecal Coliform		X	<1	NA	(E, K)				1	#/100mL	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.201	6.7e-02	(O)				1	mg/L	lbs	NA	NA	NA
f. Nitrate-Nitrite (as N)	X		5.3	1.76	(O)				1	mg/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NO. <i>(if available)</i>	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic <i>(as N)</i>	X		0.787	2.6e-01					1	mg/L	lbs	NA	NA	NA
h. Oil and Grease	X		<1.54	<0.512	(E,N)				1	mg/L	lbs	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	X		0.0692	2.3e-02					1	mg/L	lbs	NA	NA	Na
j. Radioactivity														
(1) Alpha, Total	X		61.4	NA					1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	X		9.72	NA					1	pCi/L	NA	NA	NA	NA
(3) Radium, Total	X		2.05	NA					1	pCi/L	NA	NA	NA	NA
(4) Radium 226, Total	X		1.25	NA					1	pCi/L	NA	NA	NA	NA
k. Sulfate <i>(as SO₄)</i> (14808-79-8)	X		51.0	17.0	(O)				1	mg/L	lbs	NA	NA	NA
l. Sulfide <i>(as S)</i>		X	<0.033	<1e-02	(E)				1	mg/L	lbs	NA	NA	NA
m. Sulfite <i>(as SO₃)</i> (14265-45-3)	X		0.9	0.299	(O)				1	mg/L	lbs	NA	NA	NA
n. Surfactants	X		<0.017	<6e-03	(F,E,N)					mg/L	lbs	NA	NA	NA
o. Aluminum, Total (7429-90-5)		X	<19.3	<6e-03	(H)				1	ug/L	lbs	NA	NA	NA
p. Barium, Total (7440-39-3)	X		2.54	8.5e-04	(I)				1	ug/L	lbs	NA	NA	NA
q. Boron, Total (7440-42-8)	X		56.6	1.88e-2	(I)				1	ug/L	lbs	NA	NA	NA
r. Cobalt, Total (7440-48-4)	X		0.343	1.1e-04	(D,I)				1	ug/L	lbs	NA	NA	NA
s. Iron, Total (7439-89-6)	X		49.3	1.6e-02	(D,O)				1	ug/L	lbs	NA	NA	NA
t. Magnesium, Total (7439-95-4)	X		1660	5.5e-01					1	ug/L	lbs	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	X		4.43	1.5e-03	(I)				1	ug/L	lbs	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		38.1	1.3e-02					1	ug/L	lbs	NA	NA	NA
w. Tin, Total (7440-31-5)	X		16.1	5.4e-03					1	ug/L	lbs	NA	NA	NA
x. Titanium, Total (7440-32-6)		X	<2.0	<7e-04	(E)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	051

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<1.0	<3e-04	(G)				1	ug/L	lbs	NA	NA	NA
2M. Arsenic, Total (7440-38-2)			X	<2.0	<7e-04	(H)				1	ug/L	lbs	NA	NA	NA
3M. Beryllium, Total (7440-41-7)			X	<0.2	<7e-05	(G, O)				1	ug/L	lbs	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			X	<0.3	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
5M. Chromium, Total (7440-47-3)			X	<3	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
6M. Copper, Total (7440-50-8)		X		7.35	2e-03					1	ug/L	lbs	NA	NA	NA
7M. Lead, Total (7439-92-1)			X	<0.5	<2e-04	(G, O)				1	ug/L	lbs	NA	NA	NA
8M. Mercury, Total (7439-97-6)			X	<0.067	<2e-05	(H)				1	ug/L	lbs	NA	NA	NA
9M. Nickel, Total (7440-02-0)		X		12.2	4e-03					1	ug/L	lbs	NA	NA	NA
10M. Selenium, Total (7782-49-2)			X	<2	<7e-04	(G)				1	ug/L	lbs	NA	NA	NA
11M. Silver, Total (7440-22-4)			X	<0.3	<1e-04	(G, O)				1	ug/L	lbs	NA	NA	NA
12M. Thallium, Total (7440-28-0)			X	<0.6	<2e-04	(H)				1	ug/L	lbs	NA	NA	NA
13M. Zinc, Total (7440-66-6)		X		3.83	1e-03	(D, I, O)				1	ug/L	lbs	NA	NA	NA
14M. Cyanide, Total (57-12-5)			X	<1.67	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA
15M. Phenols, Total		X		2.54	9e-04	(D)				1	ug/L	lbs	NA	NA	NA
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS Analytical result is <11.4 pg/L (less than the MDL). However the MDL used is greater than the EPA MQL of 10pg/L.											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X	<1.67	<6e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
2V. Acrylonitrile (107-13-1)			X	<1.67	<6e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
3V. Benzene (71-43-2)		X		<0.333	<1e-04	(G,N,O)				1	ug/L	lbs	NA	NA	NA
4V. Bis (Chloro- methyl) Ether (542-88-1)						(J)									
5V. Bromoform (75-25-2)		X		1.02	3e-04	(I)				1	ug/L	lbs	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
7V. Chlorobenzene (108-90-7)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
8V. Chlorodi- bromomethane (124-48-1)		X		1.02	3e-04	(I)				1	ug/L	lbs	NA	NA	NA
9V. Chloroethane (75-00-3)			X	<0.333	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X	<1.67	<6e-04	(E)				1	ug/L	lbs	NA	NA	NA
11V. Chloroform (67-66-3)		X		1.5	5e-04	(O)				1	ug/L	lbs	NA	NA	NA
12V. Dichloro- bromomethane (75-27-4)		X		0.41	1e-04	(D)				1	ug/L	lbs	NA	NA	NA
13V. Dichloro- difluoromethane (75-71-8)						(J)									
14V. 1,1-Dichloro- ethane (75-34-3)			X	<0.333	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA
15V. 1,2-Dichloro- ethane (107-06-2)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
16V. 1,1-Dichloro- ethylene (75-35-4)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
17V. 1,2-Dichloro- propane (78-87-5)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
18V. 1,3-Dichloro- propylene (542-75-6)			X	<0.333	<1e-04	(G,L,O)				1	ug/L	lbs	NA	NA	NA
19V. Ethylbenzene (100-41-4)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
20V. Methyl Bromide (74-83-9)			X	<0.337	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
21V. Methyl Chloride (74-87-3)			X	<0.333	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)																
22V. Methylene Chloride (75-09-2)			X	<1.67	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA	
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
24V. Tetrachloroethylene (127-18-4)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
25V. Toluene (108-88-3)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA	
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
27V. 1,1,1-Trichloroethane (71-55-6)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
28V. 1,1,2-Trichloroethane (79-00-5)			X	<0.333	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA	
29V Trichloroethylene (79-01-6)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA	
30V. Trichlorofluoromethane (75-69-4)						(J)										
31V. Vinyl Chloride (75-01-4)			X	<0.333	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
GC/MS FRACTION – ACID COMPOUNDS																
1A. 2-Chlorophenol (95-57-8)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
2A. 2,4-Dichlorophenol (120-83-2)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
3A. 2,4-Dimethylphenol (105-67-9)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
5A. 2,4-Dinitrophenol (51-28-5)			X	<5.00	<2e-03	(G)				1	ug/L	lbs	NA	NA	NA	
6A. 2-Nitrophenol (88-75-5)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA	
7A. 4-Nitrophenol (100-02-7)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA	
8A. P-Chloro-M-Cresol (59-50-7)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA	
9A. Pentachlorophenol (87-86-5)			X	<3.00	<1e-03	(G,O)				1	ug/L	lbs	NA	NA	NA	
10A. Phenol (108-95-2)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
11A. 2,4,6-Trichlorophenol (88-05-2)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
2B. Acenaphtylene (208-96-8)			X	<0.30	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA
3B. Anthracene (120-12-7)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
4B. Benzidine (92-87-5)			X	<3.90	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
5B. Benzo (a) Anthracene (56-55-3)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
6B. Benzo (a) Pyrene (50-32-8)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
8B. Benzo (ghi) Perylene (191-24-2)			X	<0.30	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA
9B. Benzo (k) Fluoranthene (207-08-9)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)			X	<1.67	<6e-04	(G)				1	ug/L	lbs	NA	NA	NA
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.410	<1e-4	(G)				1	ug/L	lbs	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA
18B. Chrysene (218-01-9)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	<0.30	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.333	<1e-04	(G,O)				1	ug/L	lbs	NA	NA	NA

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	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)																
22B. 1,4-Dichlorobenzene (106-46-7)			X	<0.333	<1e-04	(G, O)				1	ug/L	lbs	NA	NA	NA	
23B. 3,3-Dichlorobenzidine (91-94-1)			X	<3.00	<1e-03	(G, O)				1	ug/L	lbs	NA	NA	NA	
24B. Diethyl Phthalate (84-66-2)			X	<0.300	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
25B. Dimethyl Phthalate (131-11-3)		X		<0.300	<1e-04	(G, N)				1	ug/L	lbs	NA	NA	NA	
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.300	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
27B. 2,4-Dinitrotoluene (121-14-2)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
28B. 2,6-Dinitrotoluene (606-20-2)			X	<3.00	<1e-03	(E)				1	ug/L	lbs	NA	NA	NA	
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.300	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA	
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	<3.0	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
31B. Fluoranthene (206-44-0)			X	<0.300	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
32B. Fluorene (86-73-7)			X	<0.300	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
33B. Hexachlorobenzene (118-74-1)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
34B. Hexachlorobutadiene (87-68-3)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
35B. Hexachlorocyclopentadiene (77-47-4)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
36B. Hexachloroethane (67-72-1)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	<0.300	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA	
38B. Isophorone (78-59-1)			X	<3.50	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
39B. Naphthalene (91-20-3)			X	<0.300	<1e-04	(E, O)				1	ug/L	lbs	NA	NA	NA	
40B. Nitrobenzene (98-95-3)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
41B. N-Nitrosodimethylamine (62-75-9)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA	

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				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)			X	<3.0	<1e-03	(G, M)				1	ug/L	lbs	NA	NA	NA
44B. Phenanthrene (85-01-8)			X	<0.300	<1e-04	(E)				1	ug/L	lbs	NA	NA	NA
45B. Pyrene (129-00-0)			X	<0.300	<1e-04	(G)				1	ug/L	lbs	NA	NA	NA
46B. 1,2,4-Tri-chlorobenzene (120-82-1)			X	<3.00	<1e-03	(G)				1	ug/L	lbs	NA	NA	NA
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
2P. α-BHC (319-84-6)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
3P. β-BHC (319-85-7)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
4P. γ-BHC (58-89-9)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
5P. δ-BHC (319-86-8)			X	<0.00739	<2e-06	(E)				1	ug/L	lbs	NA	NA	NA
6P. Chlordane (57-74-9)			X	<0.0850	<3e-05	(G)				1	ug/L	lbs	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
10P. Dieldrin (60-57-1)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
11P. α-Enosulfan (115-29-7)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
12P. β-Endosulfan (115-29-7)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
14P. Endrin (72-20-8)			X	<0.01110	<4e-06	(G)				1	ug/L	lbs	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
16P. Heptachlor (76-44-8)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
NM0890010515	051

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE <i>(optional)</i>		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.00739	<2e-06	(G)				1	ug/L	lbs	NA	NA	NA
18P. PCB-1242 (53469-21-9)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
19P. PCB-1254 (11097-69-1)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
20P. PCB-1221 (11104-28-2)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
21P. PCB-1232 (11141-16-5)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
22P. PCB-1248 (12672-29-6)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
23P. PCB-1260 (11096-82-5)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
24P. PCB-1016 (12674-11-2)			X	<0.0351	<1e-05	(G)				1	ug/L	lbs	NA	NA	NA
25P. Toxaphene (8001-35-2)			X	<0.1670	<6e-05	(G)				1	ug/L	lbs	NA	NA	NA

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2019 NPDES Permit Reapplication - Footnotes for the Form 2C OUTFALL - 051

A	Estimated based upon the size of an effluent tank, the volume of influent received, and the total volume of effluent generated. The facility can discharge a maximum of 1 effluent tank every 4 hours (2 tanks in an 8 hour shift).
B	The temperature range provided was estimated by RLW operations based upon knowledge of process.
C	The pH range provided was estimated by RLW operations based upon knowledge of process.
D	Value provided was estimated by the analytical laboratory.
E	The analytical result provided is less than the Method Detection Limit (MDL) and there is not an approved EPA Region 6 Method Quantification Limit (MQL). The value provided is the MDL.
F	Preparation or preservation holding time was exceeded and the value provided has been estimated by the laboratory.
G	The analytical result provided is less than the MDL and the EPA Region 6 approved MQL. The value provided is the MDL.
H	The analytical result provided is less than the MDL, however, the MDL used was greater than the EPA Region 6 approved MQL. The value provided is the MDL.
I	The analytical result provided is greater than the MDL but is below the EPA Region 6 MQL.
J	The EPA has remanded this parameter. See 40 CFR Part 122, Appendix D.
K	The E. Coli result is provided as an indicator for Fecal Coliform.
L	Result is for cis- and trans-1,3 dichloropropylene.
M	The result provided is for diphenylamine due to similar mass spectra and decomposition of N-nitrosodiphenylamine in the gas chromatograph injection port to nitric oxide and diphenylamine (thus it is measured as diphenylamine).
N	The analytical data collected for the 2019 permit application indicates that the pollutant was not detected in the discharge to the outfall. The pollutant is marked as "believed present" because it was either detected or marked as "believed present" in the previous permit application submitted in 2012.
O	Identified as a potential pollutant from one of the sources discharging to the outfall.

LOS ALAMOS NATIONAL LABORATORY

Industrial and Sanitary Outfalls 2019 NPDES Permit Re-Application Permit No. NM0028355

LA-UR-19-22215
March 2019

For:
Los Alamos National Laboratory
Los Alamos, NM

Submitted By:
U.S. Department of Energy – National Nuclear Security Administration,
Los Alamos Field Office and Triad National Security, LLC

Prepared By:
Los Alamos National Laboratory
Environmental Protection and Compliance Division
Compliance Programs Group