**ROCKWOOD LITHIUM, INC** 8/12 1644 **PETTY CASH FUND** 856 FOOTE LANE NEW JOHNSONVILLE, TN 37134 7127/2641 Date tion Fees Pay to the 0 order of 00 Dollars First Federal Bank 3 Kenewa TN 25 00

NPDES Application Form 2F describes the storm water discharges associated with the industrial activities at the New Johnsonville facility. The facility has Dewatering of the co-product solvent process; Casting Operations - Lithium Drum rinsing; Cylinder and process equipment rinsing. Shipping container deactivation; and NPDES Permit Renewal Application Tanker rinsing; December 22, 2017 Page 2

Albemarle U.S., Inc.

two storm water outfalls, SW1 and SW2.

collected in a catch basin and pumped to the retention pond, commingled with production area and finished product storage area drain into a lift station that discharging through outfall 001. During peak storm events, storm water may The area that drains to SW1 encompasses the North Plant and South Plant is pumped to the retention pond. All storm water from the South Plant is production areas and finished product storage areas. The North Plant the facility process wastewater. As previously noted, the water in the retention pond is treated by a simple pH adjustment system before be discharged without pH adjustment.

All storage and process areas of the North Plant are contained by dikes so that peak storm events, storm water may discharge to SW2. An undeveloped area from the vegetative area to the north of the industrial areas, and storm water The area that drains to SW2 encompasses the rail sidings into the plant, raw material loading & unloading areas located at the North Plant, storm water from the eastern portion of the facility that flows through a ditch into SW2. contaminated storm water may be pumped to the retention pond. During also discharges to SW2.

hesitate to call me at 931-535-6201 or email at Darrell.Fisher@albemarle.com If you have any questions concerning this permit application, please do not

Dinnal

December 22, 2017

Tennessee Department of Environment and Conservation Division of Water Resources 312 Rosa L. Parks Ave. Nashville, TN 37243

# Subject: National Pollutant Discharge Elimination Systems (NPDES) Permit Renewal Application for Albemarle U.S., Inc. New Johnsonville, Tennessee Permit # TN0062537

To Whom It May Concern:

Enclosed please find two (3) copies of an NPDES permit renewal application package for the Albemarle U.S., Inc. facility located in New Johnsonville, Tennessee.

The enclosed NPDES permit application package consists of the following:

- 1. This transmittal letter
- 2. TDEC Form CN-1090 Permit Contact Information
- 3. EPA Form 1 General Information
- 4. Figures 1, 2 and 3
- 5. EPA Form 2C Wastewater Discharge Information
- 6. EPA Form 2F Storm Water Discharges Associated with Industrial Activity
- 7. Alternatives analysis

All facility process wastewater is collected in a retention basin and discharged through Outfall 001. The batch discharge from Outfall 001 includes a commingled flow of process wastewater and storm water that is treated by a simple pH adjustment system. The NPDES Application Form 2C summarizes the process wastewater streams located at the facility. Process wastewater from the North Plant is generated from process equipment rinsing. Process wastewater from the South Plant is generated by the following operations:

- Filter Tank & Cylinder Cleaning;

Albemarle U.S., Inc. NPDES Permit Renewal Application December 22, 2017 Page 2

- Casting Operations Lithium Drum rinsing;
- Dewatering of the co-product solvent process;
- Tanker rinsing;
- Shipping container deactivation; and
- Cylinder and process equipment rinsing.

NPDES Application Form 2F describes the storm water discharges associated with the industrial activities at the New Johnsonville facility. The facility has two storm water outfalls, SW1 and SW2.

The area that drains to SW1 encompasses the North Plant and South Plant production areas and finished product storage areas. The North Plant production area and finished product storage area drain into a lift station that is pumped to the retention pond. All storm water from the South Plant is collected in a catch basin and pumped to the retention pond, commingled with the facility process wastewater. As previously noted, the water in the retention pond is treated by a simple pH adjustment system before discharging through outfall 001. During peak storm events, storm water may be discharged without pH adjustment.

The area that drains to SW2 encompasses the rail sidings into the plant, raw material loading & unloading areas located at the North Plant, storm water from the vegetative area to the north of the industrial areas, and storm water from the eastern portion of the facility that flows through a ditch into SW2. All storage and process areas of the North Plant are contained by dikes so that contaminated storm water may be pumped to the retention pond. During peak storm events, storm water may discharge to SW2. An undeveloped area also discharges to SW2.

If you have any questions concerning this permit application, please do not hesitate to call me at 931-535-6201 or email at <u>Darrell.Fisher@albemarle.com</u>.

Sincerely,

Darrell Fisher Albemarle U.S., Inc. Director of Operations – Butyllithium & Specialty Products

STATE OF DEPARTMENT OF ENVIRON DIVISION OF WA Water-Bas William R. Snodgra 312 Rosa L. Parks Nashville, Th	TENNESSEE <b>IMENT AND CONSERVATION</b> <b>ITER RESOURCES</b> sed Systems ss - Tennessee Tower Avenue, 11 <sup>th</sup> Floor N 37243-1102
PERMIT CONTAC	<b>CT INFORMATION</b>
Please complete all sections. If one person serves multiple function	s, please repeat this information in each section.
PERMIT NUMBER: TN0062537	DATE: 12/15/2017
PERMITTED FACILITY: Albemarle, U.S., Inc.	COUNTY: Humphreys
OFFICIAL PERMIT CONTACT:	
(The permit signatory authority, e.g. responsible corporate officer, principle exe	cutive officer or ranking elected official)
Official Contact: Darrell Fisher	Title or Position: Director of Operations, Butyllithium & Specialities
Mailing Address: 856 Foote Lane	City: New Johnsonville State: TN Zip: 371.34
Phone number(s): (931) 535-6201	E-mail: darrell.fisher@albemarle.com
PERMIT BILLING ADDRESS (where invoices should be sent):	
Billing Contact: Tonya Bukky	Title or Position: Administrative Secretary
Mailing Address: 856 Foote Lane	City: New Johnsonville State: TN Zip: 37134
Phone number(s): (931) 535-6204	E-mail: tonya.bukky@albemarle.com
FACILITY LOCATION (actual location of permit site and local con	tact for site activity)
Facility Location Contact: John Stewart	Title or Position: Plant Chemist
Facility Location (physical street address): 856 Foote Lane	City: New Johnsonville State: TN Zip: 37134
Phone number(s): (931) 535-6209	E-mail: john.stewart@albemarle.com
Alternate Contact (if desired):	Title or Position:
Mailing Address:	City: State: Zip:
Phone number(s):	E-mail:
FACILITY REPORTING (Discharge Monitoring Report (DMR) or ot	her reporting):
Cognizant Official authorized for permit reporting:	Title or Position:
Mailing Address: 856 Ecote Lanc	City: State: The Zip: 07404
Phone number(s): (024) EDE 0004	E-mail:
(931) 535-6201 Fax number for reporting:	darrell.fisher@albemarle.com
(931) 535-3404	No N

lease print or t	ype in the unshade	ed areas only.					Form Approved. OMB No. 2040-0086.							
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XI. MAP		State Street	Contraction of the local division of the loc	30	
Attach to this application a	a topographic map of the area	extending to at least	one mile beyond pro	perty boundaries The	map must show the outline of the
location of each of its exist	ting and proposed intake and d	ischarge structures, e	ach of its hazardous	waste treatment, storag	ge, or disposal facilities, and each v
injects indes underground.	include all springs, rivers, and c	other surface water bo	dies in the map area.	See instructions for pre	ecise requirements.
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### **Alternative Analysis**

RE: Albemarle U.S. Inc., NPDES Permit No. TN0062537

#### Alternate #1: Connection to a Publically Owned Treatment Works

The nearest sanitary sewer line, maintained by the City of New Johnsonville, is approximately a quarter mile from the Albemarle property. In addition, the current discharge contains storm water, which is not permitted to be discharged into the sanitary sewer system. The alternative is deemed to be not feasible.

### Alternate #2: Onsite Land Application

Albemarle does not own sufficient undeveloped land for the land application of the effluent. As noted in Alternative #1, the effluent also contains storm water in addition to process wastewater. This alternative is deemed to be not feasible.

#### Alternative #3: Water Re-Use / Recycling

The operations at Albemarle consume relatively low amounts of water. Re-use of the process wastewater alone would require extensive, costly treatment. In addition, there would be no possibility of onsite reuse of the storm water collected in the discharge pond. This alternative is deemed to be not feasible.







EPA I.D. NUMBER (copy from Item 1 of Form 1)
TN981014962

Preserve on the unitable allest one:      Prove the unitable allest one:     Prove the unitable one:     Pr					TN9	EPA I.D. NUM 81014962	BER (copy fr	om Item 1 of F	orm 1)	Form Approv OMB No. 20	ved. 40-0086.	
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II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES A. Attach a line drawing aboving the water frow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment ur liabeled to correspond to the measures. B. For each outfall, provide a description of (1) All operations contributing wastewater, to the effluent, including process wastewater. Continue on additional sheets operation, and (). The treatment received by the wastewater. Continue on additional sheets on additional sheets operation, and (). The treatment received by the wastewater. Continue on additional sheets operation, and (). The treatment received by the wastewater. Continue on additional sheets operation, and (). The treatment received by the wastewater. Continue on additional sheets operation, and (). The treatment received by the wastewater. Continue on additional sheets runoft (2) are average frow contributed by each operation, and (). The treatment received by the wastewater. Continue on additional sheets runoft (2) are average frow contributed by each operation, and (). The treatment received by the wastewater. Continue on additional sheets runoft (2) are average frow contributed by each operation, and (). The treatment received by the wastewater. Continue on additional sheets runoft (2) are average frow contributed by each operation. And () are contributed b								18				
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1. OUT_ FALL NO. (iiii)         2. OPERATION(iii)         b. AVERAGE FLOW (include units)         a. DESCRIPTION         b. LIST CODES FROM TABLE 2C-1 TABLE 2C-1 TABLE 2C-1           001         Storm water runoff         43,200 GM/BM         Praporation         1-0         3-0           001         Storm water runoff         43,200 GM/BM         Praporation         1-0         3-0           001         Storm water runoff         43,200 GM/BM         Proculation - sedimentation         1-0         3-0           Process wastewater         Neutralization         1-0         1-0         1-0         1-0           Image: Storm wastewater	necess	sary.	2 OPER					1		3 TREATMENT	-	
NO. (iiii)         a. OPERATION (iiii)         iiiiii)         a. DESCRIPTION         TABLE 2C-1           Storm water runoff         43,200 GAL/DAY         Proportation         1-F         1-F           Cooling water         Floculation - Sedimentation         1-G         1-U           Friter/Drum wastewater         Neutralisation         2-K         Cooling water           Filer/Drum wastewater         Image: Sedimentation         Image: Sedimentation         Image: Sedimentation           Image: Sedimentation         Image: Sedimentation         Image: Sedimentation         Image: Sedimentation         Image: Sedimentation           Image: Sedimentation         Image: Sedimentation         Image: Sedimentation         Image: Sedimentation         Image: Sedimentation         Image: Sedimentation           Image: Sedimentation	1. OUT- FALL		2. UPEN	ATION(S) CO	b	AVERAGE F	LOW			0. Incertiment	b. LIST CO	DES FROM
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Process wastewater         Neutralization         2-K           Pilter/Drum vastewater		Cooling wat	er			in the second	in the second	Flocculatio	on - Sedime	ntation	! -G	1-0
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2. O CONTR	PERATION(s) RIBUTING FLO						4. FLOW			
	(1101)	W	a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RA	TE (in mgd) 2. MAXIMUM	B. TOTAL (specify w	VOLUME ith units) 2. MAXIMUM	C. DURATIC	
Jischarge mostly	affected	by rainfall	3.8	12	0.0432	0.054				
1 <b>Carteria</b>										
ES (complete Item III-	B)	a by EPA under Se	ection 304 of th	NO (go to Sec	Act apply to you tion IV)	r facility?				
ons in the applicable ES (complete Item III-	effluent guid C)	eline expressed in	terms of produ	NO (go to Sec	measure of oper tion IV)	ration)?				
ed "yes" to Item III-B, uent guideline, and in	list the qua dicate the a	ntity which represe fected outfalls.	ents an actual i	measurement	of your level of p	production, exp	ressed in the te	erms and unit	s used in the	
	1. A	VERAGE DAILY P	RODUCTION	A. S. S.			2 455		ALLS	
ER DAY b. UNITS	S OF MEASI	JRE	c. OPERATIO	N, PRODUCT, (specify)	MATERIAL, ET	C.	2. AFFI	t outfall numbe	rs)	
TTS required by any Fed pment or practices or ns, administrative or ES (complete the follow	leral, State any other e enforcement wing table)	or local authority nvironmental progr orders, enforcement	to meet any in rams which ma ent compliance	nplementation y affect the dis schedule letter	schedule for the charges describe s, stipulations, c	e construction, ed in this applic ourt orders, an	upgrading or cation? This incl d grant or loan	operations of udes, but is n conditions.	wastewater ot limited to,	
ON OF CONDITION	2 AF	FECTED OUTEAL	15				4.50			
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	I guideline limitation ES (complete Item III- ons in the applicable ES (complete Item III- d "yes" to Item III-B, uent guideline, and in ER DAY b. UNITS ER DAY b. UNITS ITS required by any Fed pment or practices or ns, administrative or ES (complete the follow DN OF CONDITION, MENT, ETC.	I guideline limitation promulgate ES (complete Item III-B) ons in the applicable effluent guid ES (complete Item III-C) ed "yes" to Item III-B, list the qua- uent guideline, and indicate the aff I. A' ER DAY b. UNITS OF MEASU b. UNITS OF MEASU I. A' ER DAY b. UNITS OF MEASU Second Second Sec	Image:	Image: state of local authority to meet any in practices or any other environmental programs which mans, administrative or enforcement orders, enforcement compliance is a NO.         ITS         ITS         ITS         Its (complete the following table)         Its (complete the following table)	Image: section of the section secon sectin section sectin section sectin section sectin	I       Image: State of December 2014         In transmission       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014         Image: State of December 2014       Image: State of December 2014      <	I       Imitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?         ES (complete Item III-B)       Imitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?         ES (complete Item III-B)       Imitation production (or other measure of operation)?         ES (complete Item III-C)       Imitation production (or other measure of operation)?         ES (complete Item III-C)       Imitation production (or other measure of operation)?         ES (complete Item III-C)       Imitation production (or other measure of operation)?         ES (complete Item III-C)       Imitation production (or other measure of operation)?         ES (complete Item III-C)       Imitation production (or other measure of operation)?         Imitation production (or other measure of operation)?       Imitation production (or other measure of operation)?         ER DAY       b. UNITS OF MEASURE       c. OPERATION, PRODUCTION         ITS       Imitation or practices or any other environmental programs which may affect the discharges described in this applients, administrative or enforcement complex, enforcement complexes, endedule Iteres, signations, court orders, and S (con Item II-2)         ITS       Imitation or inforcement complexes and the following table?         Imitation or enforcement orders, enforcement complexes and the following table?       Imitation of the following table?         Imitation or informed to the following table?       Imitation of the constru	Image: State of local authority to next any implementation schedule for the construction, upgrading or present or packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable of packets or any other enforcement oreplanes schedule for the discharges described in this applicable.         TIS       Image: Imag		

EPA Form 3510-2C (8-90)

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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. 2. SOURCE 1. POLLUTANT 1. POLLUTANT 2 SOURCE Used as solvent in production facility. Cyclohexane 0.00905 mg/L from sample collected on 11/21/2017 from Outfall 001 Reactant in product production, used in stoichometric quantity Stryene Product using isoprene is in product portfolio, but not in production in last 3 years Isoprene 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) Chlorobenzene Ethylbenzene Methylchloride Toluene

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Do you have any knowledge or reaso	n to believe that any biological test for acute or obranis t	avisit, has been made as an of	
elation to your discharge within the la	ast 3 years?	oxicity has been made on any of you	r discharges of on a receiving water in
YES (identify the test(s	and describe their purposes below)	NO (go to Section VII)	0
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II. CONTRACT ANALYSIS INFORM	ATION		
ere any of the analyses reported in	Itom V performed by a contract laboratory or converting		
tore any of the analyses reported in			
	item v performed by a contract laboratory or consulting	firm?	
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YES (list the name, add each such laborato A. NAME SC Lab Sciences	And the period of the period o	imm?  NO (go to Section LX)  C. TELEPHONE (area code & no.)  (615) 75805858  direction or supervision in accordan inquiry of the person or persons wh ny knowledge and belief, true, accur prisonment for knowing violations. B. PHONE NO. (area code & no.)	D. POLLUTANTS ANALYZED (list) all ce with a system designed to assure to o manage the system or those person ate, and complete. I am aware that the
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VES (list the name, add each such laborato A. NAME SC Lab Sciences	And the period of the possibility of fine and importants and the possibility of fine below.)          Interest, and telephone number of, and pollutants analyzed by, ry or firm below.)         B. ADDRESS         12065 Lebanon Rd.         Mt. Juliet, TN 37122         Mt. Juliet, TN 37122         document and all attachments were prepared under my information, the information submitted is, to the best of not false information, including the possibility of fine and important period.         perations-Butyllithium & Specialties	Imm?       NO (go to Section LX)         C. TELEPHONE (area code & no.)         (615) 75805858         (615) 75805858         direction or supervision in accordant inquiry of the person or persons whith my knowledge and belief, true, accur prisonment for knowing violations.         B. PHONE NO. (area code & no.) (931) 535-3401	D. POLLUTANTS ANALYZEI (list) all ce with a system designed to assure to o manage the system or those personate, and complete. I am aware that the
VES (list the name, add each such laborato A. NAME SC Lab Sciences	And the period of the possibility of the set	Im?          NO (go to Section LX)         C. TELEPHONE (area code & no.)         (615) 75805858         (615) 75805858         direction or supervision in accordan inquiry of the person or persons wh ny knowledge and belief, true, accur prisonment for knowing violations.         B. PHONE NO. (area code & no.) (931) 535-3401         D. DATE SIGNED	D. POLLUTANTS ANALYZEI (list) all ce with a system designed to assure to o manage the system or those personate, and complete. I am aware that the
VES (list the name, add each such laborato A. NAME SC Lab Sciences SC Lab Sciences	And the period of the possibility of the possibilit	Imm?          Imm       NO (go to Section IX)         C. TELEPHONE (area code & no.)         (615)       75805858         (615)       75805858         direction or supervision in accordan inquiry of the person or persons whin my knowledge and belief, true, accur prisonment for knowing violations.         B. PHONE NO. (area code & no.) (931)       535-3401         D. DATE SIGNED (2/2-//4)	D. POLLUTANTS ANALYZEI (list) all ce with a system designed to assure to o manage the system or those person ate, and complete. I am aware that the

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) TN981014962

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

PART A -You m	ust provid	de the results	of at least one ana	lysis for every poll	utant in this table	e. Complete on	e table for each out	all. See instru	ctions for add	litional details.	1.100		Sec.	
		12423		10 10	2. EFFLU	ENT				3. UN (specify if	ITS (blank)	4	. INTAKE (optional)	- 12 A
		a. MAXIMU	M DAILY VALUE	b. MAXIMUM 3 (if avail	0 DAY VALUE	c. LON	G TERM AVRG. VA (if available)	LUE		001051		a. LONG T AVERAGE \	ERM /ALUE	I NO OF
1. POLLUTA	NT	(1) CONCENTRAT	ION (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCE	NTRATION (2	2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
a. Biochemical O Demand (BOD)	oxygen	17.1	2540			6.	9	910	1	mg/L	g			
b. Chemical Oxy Demand (COD)	gen	23.2	3790						1	mg/L	g			21 2000
c. Total Organic (TOC)	Carbon	9.67	1580						1	mg/L	g			
d. Total Suspend Solids (TSS)	ded	17.6	2880			11.	11.38 1509		1	mg/L	g			1.2
e. Ammonia (as )	N)	0.134	21.9	r star			121	-	1	mg/L	g			
f. Flow		VALUE 0	.0432	VALUE	3.4.4.2	VALUE	0.035		1	16 662	MGD	VALUE		
g. Temperature (winter)		VALUE VALUE				VALUE 1			1	°C		VALUE		
h. Temperature (summer)		VALUE	1000	VALUE	e Denge	VALUE			1	°C	°C		14	Star!
i. pH	41	MINIMUM 7.0	MAXIMUM 7.5	MINIMUM	MAXIMUM				11	STANDAR	DUNITS	A State of the second		
PART B - Mark direc	k "X" in co ctly, or in	olumn 2-a for directly but e	each pollutant you xpressly, in an effl	know or have reasoned the limitations go	son to believe is uideline, you mu	present. Mark	"X" in column 2-b fo results of at least	r each polluta one analysis f	nt you believe or that pollut	ant. For other p	f you mark co collutants for	olumn 2a for any poll which you mark col	utant which is umn 2a, you	limited either must provide
quar	2 M	ARK "X"	anation of their pre	esence in your disc	anarge. Complete	EFFLUENT	each outail. See th	s manucuona i	or additional	4.	UNITS	5. IN	TAKE (option	al)
1. POLLUTANT AND		h	a MAXIMUM D		b. MAXIMUM 30 (if avail	DAY VALUE	c. LONG TERM A	VRG. VALUE	1.22			a. LONG TERM VALU	AVERAGE	
CAS NO. (if available)	BELIEVE	D BELIEVED	(1) CONCENTRATION	(2) MASS C	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. O ANALYSE	F a. CONCE	N- b. MAS	S CONCENTRATIO	N (2) MASS	ANALYSES
a. Bromide (24959-67-9)		X					1.24							
b. Chlorine, Total Residual		X										-	19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -	C. St.
c. Color		X				127								1.5
d. Fecal Coliform		X								1.00				Sec.
e. Fluoride (16984-48-8)		X							-				12.14	6.20
f. Nitrate-Nitrite (as N)	X		<0.10	<16					1	mg/L	g			

EPA Form 3510-2C (8-90)

CONTINUE ON REVERSE

OUTFALL NO.

001

	2. MA	RK "X"	1.	1 1 1	3.	EFFLUENT				4. UNI	TS	5. INT	AKE (ontion	aD
1. POLLUTANT AND	a.	b.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM A (if availa	VRG. VALUE				a. LONG TI AVERAGE V	ERM	
(if available)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)	X		0.926	151					1	mg/L	g			
h. Oil and Grease	X		<5.56	<909					1	mg/L	g			
i. Phosphorus (as P), Total (7723-14-0)	X		0.122	19.9					1	mg/L	g			
j. Radioactivity		1												
(1) Alpha, Total		X		the strength of										
(2) Beta, Total	-	X		6 - C										
(3) Radium, Total	2	X								1.2.2.2				
(4) Radium 226, Total	4.8	X		- 5 - A						-				
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)		X	- to grant and			a National constants								
I. Sulfide (as S)		X						-						
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X				-		1. E						
n. Surfactants		X				No. Con		5. C. S						· · · · · · · · · ·
o. Aluminum, Total (7429-90-5)		X	esta inte							inter and				
p. Barium, Total (7440-39-3)		X	1.9	-1. A. A.	11 - 12 - 12 - 13 - 14 - 14 - 14 - 14 - 14 - 14 - 14	1.1			1.1.1		1.18			
q. Boron, Total (7440-42-8)	1	X		- James			1.1	1		1 Acres				
r. Cobalt, Total (7440-48-4)		X			en de la composición de la composi Composición de la composición d					1.4.1.1	4.4			
s. Iron, Total (7439-89-6)		X		and a set	1.			2 2 3	an distant					-
t. Magnesium, Total (7439-95-4)	$\times$		2.43	397					1	mg/L	g			
u. Molybdenum, Total (7439-98-7)		X				1								
v. Manganese, Total (7439-96-5)		X										11. 14		
w. Tin, Total (7440-31-5)		X		1.110		al treasure				1.00			1.22	
x. Titanium, Total (7440-32-6)		X		1.2	and the					an a			*******	

ITEM V-B CONTINUED FROM FRONT

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CONTINUE ON PAGE V-3

				E	PA I.D. NUM	BER (copy from Iten	n 1 of Form 1)	OUTFALL NUM	BER						
	PAGE 3 O	E FORM 2	C	TN	9810149	62		001		- I - 1					
PART C - If you a fraction fraction provide dischar pollutar briefly c	re a primary s that apply s), mark "X" the results ged in conce the which yo describe the	y industry and to your ind in column of at least of entrations of u know or h reasons the	nd this outf dustry and t 2-b for eac one analysis of 10 ppb or nave reason ne pollutant	all contains process for ALL toxic metal th pollutant you kno s for that pollutant, greater. If you man h to believe that you t is expected to be	s wastewate s, cyanides, ow or have r lf you mark rk column 2t u discharge discharged.	r, refer to Table 2c- and total phenols. reason to believe is column 2b for any p o for acrolein, acrylo in concentrations o . Note that there ar	-2 in the instr If you are no present. Ma pollutant, you politrile, 2,4 di of 100 ppb or re 7 pages to	utions to determine to required to mark rk "X" in column 2- must provide the nitrophenol, or 2-m greater. Otherwise to this part; please	ne which of c column 2- -c for each results of a nethyl-4, 6 c e, for polluta review eac	the GC/MS fit a (secondary pollutant you t least one an dinitrophenol, ants for which h carefully. C	ractions you mu industries, non believe is abse alysis for that p you must provid you mark colu omplete one ta	ust test for. I process wa ent. If you m ollutant if you de the result mn 2b, you bble (all 7 po	Mark "X" in column stewater outfalls, ai hark column 2a for a bu know or have rea s of at least one an must either submit ages) for each outfa	2-a for all s nd nonrequi any pollutan son to belie alysis for ea at least one all. See ins	uch GC/MS ired GC/MS it, you must ave it will be ach of these analysis or tructions for
uuuuu		2. MARK "X				3. E	FFLUENT		10.505		4. UN	ITS	5. INTA	KE (optiona	<i>zl</i> )
1. POLLUTANT AND	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 [ (if availab	DAY VALUE ble)	c. LONG TERM VALUE (if av	AVRG. ailable)		- CONCEN	1000	a. LONG T AVERAGE V	ERM ALUE	
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSE
METALS, CYANID	E, AND TOT	TAL PHENO	DLS			1.4									
1M. Antimony, Total (7440-36-0)	X			<0.002	<0.33				1918	1	mg/L	g			
2M. Arsenic, Total (7440-38-2)	X	1.1		0.00229	0.37					1	mg/L	g			
3M. Beryllium, Total (7440-41-7)	X	1.123		<0.001	<0.16		1.1			1	mg/L	g	1.11		
4M. Cadmium, Total (7440-43-9)	X			<0.001	<0.16					1	mg/L	g			
5M. Chromium, Total (7440-47-3)	X			<0.001	<0.16				-	1	mg/L	g			
6M. Copper, Total (7440-50-8)	X			0.00639	1.04		· · · · · ·			1	mg/L	g			
7M, Lead, Total (7439-92-1)	X		-	0.00159	0.26			1		1	mg/L	g			1.14
8M. Mercury, Total (7439-97-6)	X			<0.0002	<0.033					1	mg/L	g	1.1.1.1.1.1.1.1		
9M. Nickel, Total (7440-02-0)	$\times$			<0.001	<0.16					1	mg/L	g			
10M. Selenium, Total (7782-49-2)	$\times$			<0.002	<0.33					1	mg/L	g			
11M. Silver, Total (7440-22-4)	$\times$			<0.001	<0.16					1	mg/L	g			
12M. Thallium, Total (7440-28-0)	$\times$	-		<0.001	<0.16					1	mg/L	g			
13M. Zinc, Total (7440-66-6)	$\times$			0.0139	2.27					1	mg/L	g		1	
14M. Cyanide, Total (57-12-5)	$\times$			<0.005	<0.082					1	mg/L	g			1
15M. Phenols, Total	$\times$			<0.04	<6.5					1	mg/L	g			
DIOXIN											10 C				
2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6)	(1) 		X	DESCRIBE RESU	JLTS										
EPA Form 3510-20	C (8-90)						PAG	E V-3					co	NTINUE OF	N REVERSE

	2	2. MARK "X				3. E	FFLUENT	and the second			4. UN	ITS	5. INTA	KE (optiona	n)
1. POLLUTANT AND	a.	b.	c.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM VALUE (if av	M AVRG. ailable)				a. LONG T AVERAGE V	ERM	
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	- VOLATIL	E COMPO	UNDS												-479
1V. Accrolein (107-02-8)	$\times$			<0.05	<8.1					1	mg/L	g			
2V. Acrylonitrile (107-13-1)	X			<0.01	<1.6					1	mg/L	g			
3V. Benzene (71-43-2)	X			<0.001	<0.16					1	mg/L	g			
4V. Bis (Chloro- methyl) Ether (542-88-1)	$\times$			<0.001	<0.16					1	mg/L	g			
5V. Bromoform (75-25-2)	X		195	<0.001	<0.16		45		1.1	1	mg/L	g			
6V. Carbon Tetrachloride (56-23-5)	$\times$			<0.001	<0.16					1	mg/L	a			
7V. Chlorobenzene (108-90-7)	X			<0.001	<0.16	10			-	1	mg/L	g			
8V. Chlorodi- bromomethane (124-48-1)	X			<0.001	<0.16		antin	alian and an increase the second		1	mg/L	g			
9V. Chloroethane (75-00-3)	Х			<0.005	<0.82					1	mg/L	g			
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	$\times$			<0.050	<8.2					1	mg/L	g			
11V. Chloroform (67-66-3)	X			<0.005	<0.82					1	mg/L	g			
12V. Dichloro- bromomethane (75-27-4)	$\times$			<0.001	<0.16					1	mg/L	g			
13V. Dichloro- difluoromethane (75-71-8)	$\times$		15	<0.005	<0.82	1 march	6 <sup>- 1</sup> 11			1	mg/L	g			-
14V. 1,1-Dichloro- ethane (75-34-3)	X			<0.001	<0.16				1942	1	mg/L	g			
15V. 1,2-Dichloro- ethane (107-06-2)	$\times$			<0.001	<0.16					1	mg/L	g			
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<0.001	<0.16					1	mg/L	g			
17V. 1,2-Dichloro- propane (78-87-5)	X	14 - La		<0.001	<0.16					1	mg/L	g			
18V. 1,3-Dichloro- propylene (542-75-6)	$\times$			<0.001	<0.16					1	mg/L	g			
19V. Ethylbenzene (100-41-4)	X			0.0115	1.88					1	mg/L	g			
20V. Methyl Bromide (74-83-9)	X			<0.005	<0.82			1940 - 1948 1949 - 1948		1	mg/L	g		- Sugar	
21V. Methyl Chloride (74-87-3)	X			<0.0025	<0.41					1	mg/L	g			

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EPA Form 3510-2C (8-90)

CONTINUE ON PAGE V-5

CONTINUEDTINO	I	MARK "X				3. E	FFLUENT				4. UN	ITS	5. INTA	KE (optiona	<i>zl</i> )
1. POLLUTANT AND	a.	b.	с.	a. MAXIMUM DAI	LY VALUE	b. MAXIMUM 30 I (if availab	DAY VALUE	c. LONG TERM VALUE (if ave	AVRG. ailable)			1.2.1	a. LONG TI AVERAGE V	ERM ALUE	
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	I - VOLATIL	E COMPO	UNDS (con	timued)	77 W - 179				No. 1		1. 1. 1.	1	Carl Contraction	18	
22V. Methylene Chloride (75-09-2)	X			<0.005	<0.82					1	mg/L	g			
23V. 1,1,2,2- Tetrachloroethane (79-34-5)	×			<0.001	<0.16					1	mg/L	g			
24V. Tetrachloro- ethylene (127-18-4)	X			<0.001	<0.16					1	mg/L	g		134.1	· · · · · · · · · · · · · · · · · · ·
25V. Toluene (108-88-3)	X			0.00950	1.55					1	mg/L	g			
26V. 1,2-Trans- Dichloroethylene (156-60-5)	X			<0.001	<0.16					1	mg/L	g		-6	- 1-4
27V. 1,1,1-Trichloro- ethane (71-55-6)	X			<0.001	<0.16				1225	1	mg/L	g	States -		· · · ·
28V. 1,1,2-Trichloro- ethane (79-00-5)	X			<0.001	<0.16					1	mg/L	g		. k j	12-13
29V Trichloro- ethylene (79-01-6)	X		-	<0.001	<0.16				2.50	1	mg/L	g			
30V. Trichloro- fluoromethane (75-69-4)	X			<0.005	<0.82					1	mg/L	g			
31V. Vinyl Chloride (75-01-4)	X			<0.001	<0.16		12.			1	mg/L	g			
GC/MS FRACTION	N - ACID CO	MPOUND	S	5	Sec. 1		1999 - H					0.1			and shared
1A. 2-Chlorophenol (95-57-8)	X			<0.05	<8.1					1	mg/L	g			
2A. 2,4-Dichloro- phenol (120-83-2)	X	- 1		<0.05	<8.1					1	mg/L	g		1.1	1.1
3A. 2,4-Dimethyl- phenol (105-67-9)	X			<0.05	<8.1	800-1 - E	1.1.1.1			1	mg/L	g			
4A. 4,6-Dinitro-O- Cresol (534-52-1)	X			<0.05	<8.1					1	mg/L	g			
5A. 2,4-Dinitro- phenol (51-28-5)	X			<0.05	<8.1					1	mg/L	g			1 1 1 1
6A. 2-Nitrophenol (88-75-5)	X			<0.05	<8.1	1				1	mg/L	g	an con	· ·	1.1.1
7A. 4-Nitrophenol (100-02-7)	X			<0.05	<8.1					1	mg/L	g			
8A. P-Chloro-M- Cresol (59-50-7)	X			<0.05	<8.1					1	mg/L	g			1
9A. Pentachloro- phenol (87-86-5)	X			<0.05	<8.1					1	mg/L	g		La"	
10A. Phenol (108-95-2)	X			<0.05	<8.1					1	mg/L	g		-	
11A. 2,4,6-Trichloro	X	1		<0.05	<8.1					1	mg/L	g			

CONTINUE ON REVERSE

CONTINUED FRO	M THE FRO	DNT		Carlo and					1990 - M.	1.1.1					
1 DOLLUTANT		2. MARK "X	*			3. E	FFLUENT			2	4. UN	ITS	5. INTA	KE (optiond	zl)
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	LY VALUE	b. MAXIMUM 30 I (if availab	DAY VALUE	c. LONG TERM VALUE ( <i>if av</i>	M AVRG. ailable)				a. LONG T AVERAGE V	ERM ALUE	
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	- BASE/N	EUTRAL CO	DMPOUND	S	414.					1.1.1.1					
1B. Acenaphthene (83-32-9)	X			<0.005	<0.82		19217			1	mg/L	g			
2B. Acenaphtylene (208-96-8)	X			<0.005	<0.82					1	mg/L	g			1. J. 1
3B. Anthracene (120-12-7)	X			<0.005	<0.82			11. A		l	mg/L	g			
4B. Benzidine (92-87-5)	X			0.050	<8.2					1	mg/L	g			
5B. Benzo ( <i>a</i> ) Anthracene (56-55-3)	X			<0.005	<0.82			1. A		1	mg/L	g			
6B. Benzo (a) Pyrene (50-32-8)	X	5.11	1711	<0.005	<0.82				1	1	mg/L	g			
7B. 3,4-Benzo- fluoranthene (205-99-2)	×			<0.005	<0.82					1	mg/L	g			
8B. Benzo (ghi) Perylene (191-24-2)	X		1.58	<0.005	<0.82					1	mg/L	g			1. 15
9B. Benzo (k) Fluoranthene (207-08-9)	X			<0.005	<0.82					1	mg/L	g			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	×			<0.05	<8.2					1	mg/L	g			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	×			<0.05	<8.2				in the second se	1	mg/L	g			
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)	×			<0.05	<8.2				-	1	mg/L	g	den o	'n. j	1.17
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)	$\times$			<0.015	<2.4					1	mg/L	g			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	×			<0.050	<8.2		n en Se Cérci :		10.2	1	mg/L	g			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<0.015	<2.4					1	mg/L	g			
16B. 2-Chloro- naphthalene (91-58-7)	×		-	<0.005	<0.82	9		and a start		1	mg/L	g			
17B. 4-Chloro-, phenyl Phenyl Ether (7005-72-3)	×			<0.050	<8.2					1	mg/L	g			-
18B. Chrysene (218-01-9)	X			<0.005	<0.82					1	mg/L	g		The	-
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<0.005	<0.82					1	mg/L	g			
20B. 1,2-Dichloro- benzene (95-50-1)	X			<0.001	<0.16					1	mg/L	g	1		
21B. 1,3-Di-chloro- benzene (541-73-1)	X			<0.001	<0.16	a sector				1	mg/L	g		1	

CONTINUE ON PAGE V-7

CONTINUED FRO	I I	Z MARK "X		1		3. E	FFLUENT		1 1 1		4. UN	ITS	5. INTA	KE (optiona	<i>tl</i> )
1. POLLUTANT AND	a.	b.	c.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 [ (if availab	DAY VALUE	c. LONG TERM VALUE (if av	AVRG. ailable)				a. LONG T AVERAGE V	ERM ALUE	h NO OF
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTIO	N - BASE/N	EUTRAL CO	OMPOUND	DS (continued)			_				A State of the				1 13
22B. 1,4-Dichloro- benzene (106-46-7)	X			<0.001	<0.16				· · · · · · · · · · · · · · · · · · ·	1	mg/L	g			1.00
23B. 3,3-Dichloro- benzidine (91-94-1)	X	125		<0.050	<8.2			2.21.5		1	mg/L	g	n ni si		<u></u>
24B. Diethyl Phthalate (84-66-2)	X	in. 20		<0.015	<2.4	200 a 11 - 14		1.12		1	mg/L	g			
25B. Dimethyl Phthalate (131 -11-3)	X			<0.015	<2.4					1	mg/L	g			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<0.015	<2.4					1	mg/L	g			4.3
27B. 2,4-Dinitro- toluene (121-14-2)	X			<0.050	<8.2					1	mg/L	g			
28B. 2,6-Dinitro- toluene (606-20-2)	X			<0.050	<8.2					1	mg/L	g		1.000	
29B. Di-N-Octyl Phthalate (117-84-0	X			<0.015	<2.4					1	mg/L	g			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7	X	S		<0.050	<8.2					1	mg/L	g			
31B. Fluoranthene (206-44-0)	X	1 N		<0.005	<0.82	in the second				1	mg/L	g			
32B. Fluorene (86-73-7)	X			<0.005	<0.82					1	mg/L	g	in the second		1
33B. Hexachloro- benzene (118-74-1)	X	1.1.1	· · ·	<0.005	<0.82				. + 1	1	mg/L	g			12. 2
34B. Hexachloro- butadiene (87-68-3)	X			<0.05	<8.2			pull 12		1	mg/L	g		3	
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<0.05	<8.2					1	mg/L	g			
36B Hexachloro- ethane (67-72-1)	X		·	<0.05	<8.2					1	mg/L	g			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		1	<0.005	<0.82					1	mg/L	g		é.	
38B. Isophorone (78-59-1)	X			<0.05	<8.2					1	mg/L	g			
39B. Naphthalene (91-20-3)	X			<0.005	<0.82					1	mg/L	g			
40B. Nitrobenzene (98-95-3)	X			<0.05	<8.2					1	mg/L	g			
41B. N-Nitro- sodimethylamine (62-75-9)	X			<0.05	<8.2					ı	mg/L	g			
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			<0.05	<8.2					1	mg/L	g			

CONTINUE ON REVERSE

		2. MARK "X	"	Detail in the	100 C	3. 8	EFFLUENT				4. UN	ITS	5 INTA	KE (ontione	0
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	ALLY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM VALUE ( <i>if av</i>	AVRG. ailable)				a. LONG T AVERAGE V	ERM ALUE	1
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF
GC/MS FRACTION	I - BASE/N	EUTRAL CO	MPOUND	S (continued)	8				(1) 111 100				CONCENTION	(2) 10/100	1
43B. N-Nitro- sodiphenylamine (86-30-6)	X			<0.05	<8.2					1	mg/L	g			
44B. Phenanthrene (85-01-8)	$\times$			<0.005	<0.82					1	mg/L	g			
45B. Pyrene (129-00-0)	X			<0.005	<0.82					1	mg/L	g			
46B. 1,2,4-Tri- chlorobenzene (120-82-1)	X	0		<0.05	<8.2	e - 5				1	mg/L	g			
GC/MS FRACTION	- PESTIC	IDES		1.4.5 1.6											l
1P. Aldrin (309-00-2)	X			<0.00005	<0.008					1	mg/L	g			
2P. α-BHC (319-84-6)	X	200		<0.00005	<0.008					1	mg/L	g			
3P. β-BHC (319-85-7)	X			<0.00005	<0.008					1	mg/L	g			
4P. γ-BHC (58-89-9)	X			<0.00005	<0.008					1	mg/L	g			
5P. δ-BHC (319-86-8)	X			<0.00005	<0.008					1	mg/L	g			
6P. Chlordane (57-74-9)	X			<0.0005	<0.08					1	mg/L	g	1. · · · · ·		
7P. 4,4'-DDT (50-29-3)	X			<0.00005	<0.008					1	mg/L	g			
8P. 4,4'-DDE (72-55-9)	X			<0.00005	<0.008		16 <del>-</del> - 1	1		1	mg/L	g		1	- 19
9P. 4,4'-DDD (72-54-8)	X		-	<0.00005	<0.008		a. 1178			1	mg/L	g			
10P. Dieldrin (60-57-1)	X	8-0		<0.00005	<0.008	1.21.292	the march	n da filia		1	mg/L	g	9		
11P. α-Enosulfan (115-29-7)	X		1.12	<0.00005	<0.008					1	mg/L	g			
12P. β-Endosulfan (115-29-7)	$\times$			<0.00005	<0.008					1	mg/L	g			
13P. Endosulfan Sulfate (1031-07-8)	$\times$			<0.00005	<0.008					1	mg/L	g			
14P. Endrin (72-20-8)	$\times$			<0.00005	<0.008					1	mg/L	g			
15P. Endrin Aldehyde (7421-93-4)	$\times$			<0.00005	<0.008					ı	mg/L	g			
16P. Heptachlor (76-44-8)	X	1		<0.00005	<0.008		127		i di	1	mg/L	g			

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EPA Form 3510-2C (8-90)

CONTINUE ON PAGE V-9

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CONTINUED FRO	MDACEV			EPA	I.D. NUMBE	R (copy from Item 1 981014962	of Form 1)	OUTFALL NUM	BER 01						
CONTINUED FRO	M PAGE V-0	MARK "X			1.4	3. F	FELUENT	1	11.21.2010		4. UN	ITS	5. INTA	KE (optiona	al)
1. POLLUTANT AND	a	b.	c	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availab	DAY VALUE	c. LONG TERM VALUE (if ave	AVRG. ailable)				a. LONG TI AVERAGE V	ERM ALUE	
CAS NUMBER (if available)	TESTING	BELIEVED	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	- PESTICI	DES (contin	ued)	An Real Street											
17P. Heptachlor Epoxide (1024-57-3)	X			<0.00005	<0.008					1	mg/L	g			
18P. PCB-1242 (53469-21-9)	X			<0.0005	<0.08			125.55		1	mg/L	g			15
19P. PCB-1254 (11097-69-1)	X		1.50	<0.0005	<0.08					1	mg/L	g			
20P. PCB-1221 (11104-28-2)	X		-	<0.0005	<0.08	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	1999 - E.	a and a start of the second		1	mg/L	g			
21P. PCB-1232 (11141-16-5)	X			<0.0005	<0.08	1. J. 1		1.1		1	mg/L	g			17.00
22P. PCB-1248 (12672-29-6)	X	100	18	<0.0005	<0.08	14			1.00	1	mg/L	g			
23P. PCB-1260 (11096-82-5)	X			<0.0005	<0.08					1	mg/L	g	and the second		
24P. PCB-1016 (12674-11-2)	X		-+-	<0.0005	<0.08	\$			4	1	mg/L	g	4		1. 1.
25P. Toxaphene (8001-35-2)	X			<0.0005	<0.08	1				1	mg/L	g			1.000

PAGE V-9

<text></text>	Please print or type i	n the unshaded ar	eas only.	E TN98	PA ID Numbe 1014962	er (copy from	Item 1 of Fo	Form Appro	ved. OMB No. 204 Approval expir	0-0086 res 5-31-92
Partner Reduction Act Notice Partners Reduction Partners Reduction Partners Reduction Act Notice Partners Reduction Partners Reduction Act Notice Partners Reduction Act Notice Partners Reduction Pa	FORM 2F NPDES	EP	A	21 1 - 4	Applic Disch	ation fo	or Pern Associ	nmental Protection Agency Ishington, DC 20460 nit to Discharge Sto iated with Industrial	rm Water Activity	
Outfall Location         Protection           For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.         D. Receiving Water (name)           4.         0.01fall Numer         B. Latitude         C. Longitude         D. Receiving Water (name)           42         35.00         59.00         87.00         87.00         88.00         45.00         D. Receiving Water (name)           42         35.00         59.00         87.00         88.00         45.00         Dimension (name)         Line munamed ditch           42         35.00         59.00         87.00         88.00         45.00         Dimension (name)         Line munamed ditch           42         1 <td< th=""><th>Public reporting bu gathering and main of this collection of Branch, PM-223, 1 Affairs, Office of M</th><th>urden for this appli ntaining the data n of information, or s U.S. Environment anagement and B</th><th>ication is estim needed, and co suggestions for al Protection udget, Washir</th><th>nated to aver ompleting and or improving t Agency, 1200 ngton, DC 205</th><th>Paperwo age 28.6 hou d reviewing th this form, incl D Pennsylvan 503.</th><th>rk Reduction rs per applica e collection o luding sugge ia Avenue, N</th><th>ation, includ of informatio stions which W, Washin</th><th>e ing time for reviewing instructions, s n. Send comments regarding the bu h may increase or reduce this burd gton, DC 20460, or Director, Office</th><th>earching existing da rden estimate, any en to: Chief, Inform of Information and</th><th>ata source other aspe lation Poli Regulato</th></td<>	Public reporting bu gathering and main of this collection of Branch, PM-223, 1 Affairs, Office of M	urden for this appli ntaining the data n of information, or s U.S. Environment anagement and B	ication is estim needed, and co suggestions for al Protection udget, Washir	nated to aver ompleting and or improving t Agency, 1200 ngton, DC 205	Paperwo age 28.6 hou d reviewing th this form, incl D Pennsylvan 503.	rk Reduction rs per applica e collection o luding sugge ia Avenue, N	ation, includ of informatio stions which W, Washin	e ing time for reviewing instructions, s n. Send comments regarding the bu h may increase or reduce this burd gton, DC 20460, or Director, Office	earching existing da rden estimate, any en to: Chief, Inform of Information and	ata source other aspe lation Poli Regulato
For each outfall, list the listude and kongluide of its location to the nearest 15 seconds and the name of the receiving water.       O. Receiving Water (name)         4. Outfall Number       8. Laitude       C. Longluide       D. Receiving Water (name)         42       35.00       59.00       87.00       87.00       87.00       88.00       84.00       Recention pend, outfall 003, then unsamed ditch         42       35.00       59.00       87.00       87.00       58.00       45.00       Unsamed ditch to Kentucky Lake/Tennessee River         44       45.00       Unsamed       45.00       Unsamed ditch to Kentucky Lake/Tennessee River         45       45.00       Unsamed       45.00       Unsamed ditch to Kentucky Lake/Tennessee River         46       45.00       Unsamed       45.00       Unsamed ditch to Kentucky Lake/Tennessee River         47       48       49.00       49.00       49.00       49.00         48       49.00       49.00       49.00       49.00       49.00         49.00       49.00       49.00       49.00       49.00       49.00         40.00       49.00       49.00       49.00       49.00       49.00         40.00       49.00       49.00       49.00       49.00       40.00	Outfall Locati	on				an akara	N. N.			
Construction         B. Latitude         C. Longitude         D. Receiving Valer (nm)           41         35.00         59.00         50.00         87.00         58.00         45.00         Retention pond, outfall 001, then unnamed ditch           2         35.00         59.00         87.00         58.00         45.00         Damed ditch to Kentucky Lake/Tennessee River           1         1         1         1         1         1         1         1           1         1         1         1         1         1         1         1           1         1         1         1         1         1         1         1           1         1         1         1         1         1         1         1           1	For each outfall, I	ist the latitude and	longitude of i	ts location to	the nearest 1	5 seconds an	d the name	of the receiving water.		an filst
41       35.00       55.00       87.00       87.00       84.00       Retention pond, outfall 002, then unnased ditch         42       35.00       55.00       87.00       87.00       87.00       45.00       Unnased ditch to Kentucky Lake/Tennessee River         42       35.00       55.00       87.00       87.00       58.00       45.00       Unnased ditch to Kentucky Lake/Tennessee River         42	(list)		B. Latitude	in the	C.	Longitude		D. Receivir (nam	ng Water ne)	
22       35.00       57.00       87.00       87.00       55.00       45.00       Unamed ditch to Kentucky Lake/Tennessee River         1       1       1       1       1       1       1       1       1         1 <td>W1</td> <td>35.00</td> <td>59.00</td> <td>50.00</td> <td>87.00</td> <td>58.00</td> <td>54.00</td> <td>Retention pond, outfall 003</td> <td>, then unnamed</td> <td>ditch</td>	W1	35.00	59.00	50.00	87.00	58.00	54.00	Retention pond, outfall 003	, then unnamed	ditch
A. Are you now required by any Federal. State, or local authority to meet any implementation schedule for the construction, upgrating or operation of wastewer treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This induces, but is not than a discharge the environmental projects which may affect your discharges you now have under way or which in update the discharge structure or planned schedules for construction.      A ferred Duffalls     A ferred Duffalls     A freeded Duffall     A freededDuffall     A freededDuffall     A freededDuffall     A f		35.00	59.00	87.00	87.00	58.00	45.00	Unamed ditch to Kentucky La	ake/Tennessee R	iver
A Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewa treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not time to, permit conditions, administrative or enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.     1. Identification of Conditions										
Are you now regime to yany Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastews treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not time to permit conditions, administrative or enforcement compliance schedule letters, stipulations, court orders, and grant or lean conditions.         1. Identification of Conditions, Agreements, Etc.       2. Affected Outfails       3. Brief Description of Project       4. Final         0.       0.       0.       0.       0.       0.       0.         0.       0.       0.       0.       0.       0.       0.         0.       0.       0.       0.       0.       0.       0.         0.       0.       0.       0.       0.       0.       0.       0.         0. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewer treatment equipment or practices or any other environmental programs which may affect the discharges described in this applications. This includes, but is not time to permit conditions, area or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.     Agreements, Etc.     Agreements,	Improvement	S		11000		120110			and the second second	
Netrometric action of Conditions, Agreements, Etc.       number       source of discharge       3. Brief Description of Project       a. req.       b. pr         A	treatment equip to, permit cond	oment or practices itions, administrati	or any other ove or enforcer	environmenta ment orders, e 2. Affected	I programs we enforcement of	hich may affe	ct the dischedule lette	larges described in this application? ers, stipulations, court orders, and gr	This includes, but is ant or loan condition 4. F	wastewate not limite ns. Final
A and a set map showing topography (or indicating the outient of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable depicting the facility including: each of its intake and discharge structures; the drainage areas deach storm water outfall; paved areas and buildings within the drainage areas of each storm water outfall; paved areas and buildings within the drainage areas areas areas where pesticides, before and fortilizers are applied; each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge or tisposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous was ror the facility.	Agreeme	nts, Etc.	number	sour	ce of discharg	ne l		3. Brief Description of Project	Complia	nce Date
B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.  Site Drainage Map  Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall, each known past or present areas used for outfoor storage of disposal with the drainage area of each storm water outfall, each known past or present areas used for outfoor storage of disposal should construction does and or the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall, paved areas and buildings within the drainage or each of significant materials, each with materials loading and access areas, areas where pecticides, soil conditioners and fertilizers are applied; each is hazardous was the tratement, storage or disposal units (including each area not required to have a RCRA permit which is used for accountilating hazardous was inder 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility.	'A		1.	19 C. A.	1.6	<i></i>				D. proj
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In the stite map showing topograph (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable to a control or storage of algosal of site intake and discharge structures; the drainage area of each storm water outfall, each known past or present areas used for outfalls(s) covered in the application if a topographic map is unavailable to a control or storage of algosal or site intake and discharge structures; the drainage area of each storm water outfall, each known past or present areas used for outfalls(s) covered in the application if a topographic map is unavailable to a control or storage of algosal or site intake and discharge structures; the drainage area of each storm water outfall, each known past or present areas used for outfalls(s) covered in the application if a topographic map is unavailable to a control measure or deach storm water outfall, each known past or present areas used for outfalls(s) covered in the application if a topographic map is unavailable is hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous was under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility.			10000	1.000	1.1				100 March 100 Ma	1990
B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.  Site Drainage Map  Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable dipcicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measu to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility.				1.11	1.1				100	
							1.12			12.103
B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.  Site Drainage Map  Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall, paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measus or educe pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each not required to have a RCRA permit which is used for accumulating hazardous was under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge rom the facility.			1		14.5	Sec. 1			The second	
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Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailabled bepicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measu to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each ts hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous was inder 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility.	Site Drainage	Man	leader each p	ogram is nov	ander way c	n planned, al	iu mulcate y	your actual or planned schedules for	construction.	12.33
under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharge from the facility.	Site Drainage	мар								5.44
	Attach a site map s depicting the facilit area of each storm to reduce pollutant its hazardous was	howing topograph y including: each o water outfall, each s in storm water ru e treatment store	y (or indicatin of its intake ar h known past unoff, material	g the outline nd discharge or present and Is loading and al units (inclu-	of drainage an structures; the eas used for o d access area	reas served b e drainage ar outdoor stora as, areas whe	y the outfall rea of each ge of dispos ere pesticide	Is(s) covered in the application if a to storm water outfall; paved areas and all of significant materials, each exist as, herbicides, soil conditioners and a DODA committee and a solution of the solution o	pographic map is u buildings within th ing structural contro fertilizers are applie	navailable e drainag ol measured; each d

Continued fr	om the	Front
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A. For each drained	outfall, provide an estimate of the area (inclu by the outfall.	de units) of imperious surfac	ces (including p	baved areas and building roofs) drained to the	e outfall, and an estimat	e of the total surface area
Outfall	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surfac (provide units)	e	Total Area Drained (provide units)
SW1	2.25 Acres	7.75 Acres	SW2	3 Acres	6 .	Acres
B. Provide to storm storm w applied	a narrative description of significant ma n water, method of treatment, storage, rater runoff; materials loading and acce	terials that are currently or disposal; past and pro ss areas, and the location	or in the pas esent materi on, manner, a	t three years have been treated, stored als management practices employed to and frequency in which pesticides, here	or disposed in a man o minimize contact b bicides, soil condition	nner to allow exposure y these materials with ers, and fertilizers are
The area ( The North pond. Stor facility p before dis discharge unloading water from Plant are outfall 00 fertilize: water and C. For ea	that drains to SW1 encompasses Plant production area and fir m water from the South Plant process wasterwater. As previous scharging through 001. During d at outfall 001. The area the areas located at the North Pl n the eastern portion of the d contained by dikes so that co D1. During storm events at pea- rs are applied. The products storm water to prevent products	the North Plant a hished product stor is collected in a yeak storm events hat drains to SW2 e lant, storm water f acility that flows ontaminated storm w hk hours, some disso are highly water n ot degradation.	and South rage area catch bas ter in th s at peak encompasse from the v s through water may charge occ reactive a	Plant production areas and fi drain into a lift station that in and pumped to the retentio e retention pond is treated be hours, some storm water flow is the rail sidings into the pre- regetative area to the north of a ditch into SW2. All storage be pumped to the retention po- trurs to SW2. No pesticides, he and raw materials and products nonstructural control measures to reduce	nished product at is pumped to on pond and comi by a simple pH a may bypass trea blant, raw mater of the industria ge and process a and for treatmen erbicides, soil s are protected uce pollutants in stor	storage sites. the retention ngled with the djustment system tment and will be ial loading & l areas, and stor reas of the North t and discharge a conditioners or from exposure to m water runoff; and a
descrip of any	otion of the treatment the storm water re solid or fluid wastes other than by disch	eceives, including the sc arge.	hedule and t	ype of maintenance for control and trea	atment measures an	d the ultimate disposal
Outfall Number			Treatment			Table 2F-1
sw2	be discharged at the water : Storm water is collected from storm events, the excess sto discharge to SW2.	retention pond and om catch basins and orm water discharge	other are d pumped t es at SW2	as without treatment. to the water retention pond. Some undeveloped portion of	During heavy f the site also	
A. I certif	y under penalty of law hat the outfall(s)	covered by this applicat	tion have be	en tested or evaluated for the presence	e of nonstormwater of	ischarges, and that al
Name and ( Darrell F	Official Title (type or print) Si isher, Dir. of Operations	gnature	H.	)	Date Sig	red 22/17
		Contract	<i>pw</i> C			
B. Provid	e a description of the method used, the	date of any testing, and	the onsite dr	ainage points that were directly observe	ed during a test.	
Trout In	tobelgation at only a one data	-31	91 a.,			
<u> </u>						
VI. Signif	icant Leaks or Spills					The second second second
Provide e approxim	existing information regarding the histo ate date and location of the spill or leak	ory of significant leaks of and the type and amou	or spills of t nt of materia	oxic or hazardous pollutants at the fa I released.	cility in the last thre	e years, including the
No signif	icant leaks or spills in over	3 years	4			

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Continued from Page 2	EPA ID Number (copy from I TN98104962	tem 1 of For	m 1)	
/II. Discharge Information				
A, B, C, & D: See instructions before proceed	ding. Complete one set of tables for each out	tfall. Annotat	e the outfall number in the s	pace provided.
Table VII-A, VII-B, VII-C are inc	cluded on separate sheets numbers VII-1 an	d VII-2.		
E. Potential discharges not covered by analy currently use or manufacture as an interme	ysis – is any toxic pollutant listed in table 2 idiate or final product or byproduct?	2F-2, 2F-3, c	or 2F-4, a substance or a c	component of a substance which you
Yes (list all such pollutants below	w)		No (go to Section IX)	
Magnesium Chlorobenzene Schylbenzene Methylchloride Toluene Isoprene Styrene Cyclohexane				
/III. Biological Toxicity Testing Dat	a <b>Letting and an and an and</b>			discharges as an a maniping water is
Do you have any knowledge or reason to belie relation to your discharge within the last 3 year	eve that any biological test for acute or chron rs?	nic toxicity ha	is been made on any of you	r discharges of on a receiving water in
Yes (list all such pollutants below	N)	10.00	✓ No (go to Section IX)	
X. Contract Analysis Information Were any of the analyses reported in Item VII	performed by a contract laboratory or consu	Iting firm?		
Yes (list the name, address, and analyzed by, each such lab	t telephone number of, and pollutants oratory or firm below)		No (go to Section X)	
A. Name	B. Address			
and the second		0	Area Code & Phone No.	D. Pollutants Analyzed
ESC Lab Sciences 12 Mt	2065 Lebanon Rd. t. Juliet, TN 371222	(61	5) 758-5858	D. Pollutants Analyzed
ESC Lab Sciences 1: Mi	2065 Lebanon Rd. t. Juliet, TN 371222	(63	2. Area Code & Phone No. (5) 758-5858	D. Pollutants Analyzed
ESC Lab Sciences 1: MI X. Certification	2065 Lebanon Rd. t. Juliet, TN 371222	(61	2. Area Code & Phone No. (5) 758-5858	D. Pollutants Analyzed
ESC Lab Sciences	2065 Lebanon Rd. t. Juliet, TN 371222 ent and all attachments were prepared und valuate the information submitted. Based or tion, the information submitted is, to the be alse information, including the possibility of fi	er my direction n my inquiry of set of my kno ine and impris	2. Area Code & Phone No. (5) 758-5858 on or supervision in accord of the person or persons wh wwwledge and belief, true, ac sonment for knowing violatio	D. Pollutants Analyzed all ance with a system designed to assu o manage the system or those person curate, and complete. I am aware th ons.
ESC Lab Sciences	2065 Lebanon Rd. t. Juliet, TN 371222 ent and all attachments were prepared und evaluate the information submitted. Based or tion, the information submitted is, to the be alse information, including the possibility of fi	er my direction my inquiry of the and imprise B. Area	Area Code & Phone No. (5) 758-5858 on or supervision in accord of the person or persons wh weldge and belief, true, ac sonment for knowing violatio a Code and Phone No.	D. Pollutants Analyzed all ance with a system designed to assu o manage the system or those person curate, and complete. I am aware th ons.
ESC Lab Sciences	2065 Lebanon Rd. t. Juliet, TN 371222 ment and all attachments were prepared und evaluate the information submitted. Based or ation, the information submitted is, to the be alse information, including the possibility of fi Operations	er my direction n my inquiry of est of my know ne and impri- B. Area (931	Area Code & Phone No. (5) 758-5858 (5) 758	D. Pollutants Analyzed all ance with a system designed to assu o manage the system or those persor curate, and complete. I am aware th nns.
ESC Lab Sciences	2065 Lebanon Rd. t. Juliet, TN 371222 ent and all attachments were prepared und evaluate the information submitted. Based or ation, the information submitted is, to the be alse information, including the possibility of fi Operations	er my direction ny inquiry of set of my kno ine and imprise B. Area (931 D. Dat	Area Code & Phone No. (5) 758-5858 on or supervision in accord of the person or persons who wiledge and belief, true, ac sonment for knowing violation a Code and Phone No. ) 535-3401 e Signed / 2/22// 4	D. Pollutants Analyzed all ance with a system designed to assu o manage the system or those person curate, and complete. I am aware th ons.

		EP.	A ID Number (copy fr 81014962	rom Item 1 of Form 1)	SW-1	Form Approved. OMB No. 2040-0086 Approval expires 5-31-92
VII. Discharge	information (Co	ntinued from pag	e 3 of Form 2F)		1	
Part A – You mus	provide the results of	at least one analysis for	every pollutant in th	is table. Complete one	table for each outfa	all. See instructions for additional details.
	Maxim (inclu	num Values ude units)	Avera (incl	age Values Jude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants
Oil and Grease	6.9 mg/L	N/A	5.8 mg/L	2 4 N. N. S.	2.00	
Biological Oxygen Demand (BOD5)	16.6 mg/L		10.5 mg/L		2.00	
Chemical Oxygen Demand (COD)	16.6 mg/L	A Same	16.6 mg/L		1.00	
Total Suspended Solids (TSS)	7.33 mg/L		4.90 mg/L		2.00	
Total Nitrogen	1.27 mg/L		1.27 mg/L		1.00	
Total Phosphorus	0.46 mg/L	MAC HE LINE	0.46 mg/L	Street	1.00	
pН	Minimum 9.00	Maximum 9.1	Minimum 9.05	Maximum 9.0	5 2.00	
Part B - List e waste requi	sech polititant that is i swater (if the facility is rements. Maxim (inclu	num Values ude units)	disting NPDES permi	age Values ude units)	for each outfall. S	see the instructions for additional details and
Pollutant and CAS Number <i>(if available)</i>	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants
A/A			1			
	2.2.3			Store Re		
	and an and a state of the					Fahl Seven S

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	Maxir (inc	mum Values lude units)	A	verage Values include units)		Number		
Pollutant and CAS Numbe (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		of Storm Events Sampled	5	Sources of Pollutants
сусто-			1		-			<u> </u>
lexane	<0.0010 mg/L	1			1.0	00	Used in pro	duction
Nitrate -	11 1.5	1		1.	+			
litrite	0.864 mg/L				1.0	00	No known so	urces used in production
Coluene	<0.001 mg/L				1.0	10	Used in pro	duction
3 1					-			
	4				-	9 3 82 8-2 - 6 -	4	
	<u>.   18 80 20</u>				12.	1000	12	
					-			
					1		1.9	
					-			
					-	1.1		
				11.15		12.2.5	92.2	
		100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100				199	-	
					-	191		
					-		- 296 C	
	1			-		-		
int D - Pro	ovide data for the st	orm event(s) which resul	ted in the maxim	um values for the flow we	ighted	composite	sample.	
1. Date of Storm Event	2. Duration of Storm Event <i>(in minutes)</i>	3. Total rain during storm (in inches	fall event s)	4. Number of hours betw beginning of storm mea and end of previou measurable rain eve	veen sured s ent	Maximum ra (gallo spe	5. flow rate during in event ns/minute or clfy units)	6. Total flow from rain event (gallons or specify units)
/15/2017	45	0.15		>72		2 gpm		250 gal
. Provide a c	lescription of the me	ethod of flow measureme ime to fill contai	ent or estimate. ner. Estimat	ted total flow.	1			4

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EPA ID Number (copy from Item 1 of Form 1) TN981014962 Form Approved. OMB No. 2040-0086 Approval expires 5-31-92

#### VII. Discharge information (Continued from page 3 of Form 2F) Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. Average Values Maximum Values Number (include units) (include units) Pollutant Grab Sample of Grab Sample Storm Taken During and Taken During Events CAS Number First 20 Flow-Weighted First 20 Flow-Weighted Sampled Sources of Pollutants (if available) Minutes Composite Minutes Composite 2.00 Equipment, machinery N/A <5.75 mg/L N/A Oil and Grease <5.75 mg/L **Biological Oxygen** 2.00 Environmental 7 mg/L 5.16 mg/L Demand (BOD5) Chemical Oxygen 1.00 Environmental <10 Demand (COD) Total Suspended Solids (TSS) Environmental, truck traffic 2.00 383 mg/L 423 mg/L 0.365 mg/L 1.00 Environmental Total Nitrogen Environmental 1.00 Total Phosphorus 0.101 mg/L Minimum Maximum 8.50 Minimum 8.35 Maximum 8.35 2.00 Environmental, product deactivation pH 8.20 List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process Part B wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements. Average Values Maximum Values (include units) (include units) Number of Pollutant Grab Sample Grab Sample Storm and Taken During Taken During Events CAS Number Flow-Weighted First 20 Flow-Weighted First 20 Sources of Pollutants Sampled (if available) Composite Minutes Composite Minutes N/A

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	Maxim (inclu	um Values de units)	Ave (in	erage Values eclude units)	N	lumber		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	s	of Storm Events ampled	So	urces of Pollutants
yclo-						1.1		
exane	<0.0010 mg/L				1.00		Used in produ	uction
litrate -						122	1.1.1.1.1	
itrite	0.365 mg/L				1.00		No known sou:	rces used in productio
oluene	<0.001 mg/L				1.00	1	Used in produ	action
					-	-		
		11 A. B.			-	559) 1940	1918	en e
					-			
							21	
_								
					+			
					-		1	
					-			
							Sec. 5	
					+		199	
					-		100 B	
					1	100		
art D - Pr	ovide data for the st	orm event(s) which res	ulted in the maxim	num values for the flow w	eighted	composite	sample.	
1. Date of Storm Event	2. Duration of Storm Event <i>(in minutes)</i>	3. Total ra during stor <i>(in incl</i>	infall m event nes)	Number of hours bet beginning of storm me and end of previo measurable rain ev	ween asured us vent	Maximu (gall st	m flow rate during rain event ons/minute or pecify units)	6. Total flow from rain event (gallons or specify units)
1/15/2017	45	0.15		>72		1 gpm		120 gal
7. Provide a	description of the m	ethod of flow measure	ment or estimate.			I		
low rate e	estimated from t	time to fill cont	ainer. Estima	ated total flow.	1.1	1.1.1	5	1