



1701 Centerview Drive, Ste 109, Little Rock, AR 72211 / P 501.225.6400 / trinityconsultants.com

January 23, 2023

Office of Water Quality
Arkansas Department of Energy and Environment
Division of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

*RE: Holcim Solutions and Products US, LLC (AFIN: 50-00006, NPDES Permit No. AR0000612)
Additional Sample Results*

Dear Staff:

Holcim Solutions and Products US, LLC (Holcim) owns and operates a rubber roofing manufacturing facility located at 1406 Highway 371 North in Prescott, Nevada County, Arkansas. Holcim is authorized to discharge treated stormwater runoff under the NPDES Permit No. AR000612, which expires July 31, 2023. Holcim submitted a renewal application on December 17, 2022; this application was deemed administratively complete in a letter from the Arkansas Department of Energy and Environment, Division of Environmental Quality (DEQ) dated January 17, 2023. The DEQ letter noted that testing data was not submitted before the application was deemed complete and requested sample data as soon as possible for the facility's two outfalls, SW-201 and SW-202.

Samples were taken by Environmental Services Company, Inc. (ESC) for Outfall SW-201 on December 7, 2022 and December 21, 2022. Samples were taken by ESC for Outfall SW-202 on December 7, 2022. The analytical reports are provided in Attachment 1.

The Chemical Oxygen Demand (COD) analysis in the ESC Attachment 1 samples produced results that were anomalously high. The facility's regular permitted sampling schedule calls for samples taken for COD, Oil and Grease, and pH; these were sampled on December 9, 2022, and December 20, 2022, and the analysis of these samples showed results within range, including the COD. These results are provided in Attachment 2 to this letter.

Following these results, Holcim contacted ESC regarding the high COD results in the first sample analysis report. ESC conducted an internal review of their analytical procedures and determined that the COD analysis from the first set of samples was incorrect. They re-analyzed the first set and provided a fresh sample report and documentation regarding their COD findings; this report and documentation is provided as Attachment 3 to this letter.

Flow rates for all flows in December are provided in Attachment 4. The updated EPA Forms 2C and 2F and an updated DEQ PPS form for each outfall have been provided in Attachment 5. The previously submitted forms included Holcim's sample data as reported in NetDMR from June 2020 to present; these updated forms include the data from the samples in Attachments 1, 2, 3, and 4. The COD data from the anomalous analysis was not included but is provided in this letter for reference. The COD data from the amended

HEADQUARTERS

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report was analyzed after the holding time and is also not included but indicated values in keeping with typical sample results from the facility.

If you have any questions or comments about the information presented in this letter, please do not hesitate to call me at 479.422.5102, or email at amoore@trinityconsultants.com.

Sincerely,

TRINITY CONSULTANTS

A handwritten signature in black ink, appearing to read 'Amy Moore', with a stylized flourish at the end.

Amy Moore
Senior Consultant

Attachments

- Attachment 1 – December 7 and 21, 2022 Sample Analysis
- Attachment 2 – December 9 and 20, 2022 Sample Analysis
- Attachment 3 – December 7, 2022 Sample Re-Analysis
- Attachment 4 – Recorded Flow Rate Data
- Attachment 5 – Updated NPDES Forms

cc: Mr. Kevin Ward, Holcim Solutions and Products, US, LLC (Prescott, AR)
Mr. James House, Holcim Solutions and Products, US, LLC (Prescott, AR)
Mr. Alex Mathis, Holcim Solutions and Products, US, LLC (Prescott, AR)

ATTACHMENT 1

December 7 and 21, 2022 Sample Analysis

This attachment includes the following:

- ▶ ESC analysis for samples taken at Outfall SW-201 on December 7, 2022
- ▶ ESC analysis for samples taken at Outfall SW-201 on December 21, 2022
- ▶ ESC analysis for samples taken at Outfall SW-202 on December 7, 2022

Environmental Services Company, Inc.

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Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2212010176
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 01/11/23

Sample Date : 12/07/22
Sample Time : 1019
Sample Type : GRAB STORMWATER
Sample From : SW-201 PPS

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
12/08	1000	JTK	BOD, 5-day	2.8 mg/L			0.00	99.4 *
12/16	0312	WP	Beryllium	< 0.50 ug/L			6.77	86.0
12/29	2156	WP	Boron	< 0.0250 mg/L			3.00	109.0 *
12/12	1017	SLK	Chemical Oxygen Demand	190.0 mg/L			0.00	110.0 *
12/08	1305	NTR	Color (Apparent)	5.000 C.U.			0.00	N/A
12/14	0435	NTR	Cyanide Total (as CN)	< 10.0 ug/L			0.00	107.5
01/04	1448	SLK	Fluoride	0.166 mg/L			0.00	95.0
12/29	2156	WP	Magnesium	0.6140 mg/L			3.60	97.4 *
12/29	2156	WP	Aluminum	0.4450 mg/L			4.83	99.7 *
01/04	1051	SLK	Nitrogen, Total	1.75 mg/L			0.00	103.0
12/14	0258	WP	Mercury, low level	< 0.500 ng/L			20.36	104.0 *
12/09	0505	NTR	Total Kjeldahl Nitrogen	1.7 mg/L			2.08	94.4 *
12/12	1155	RRJ	Oil & Grease, Total	< 5.00 mg/L			0.00	100.0 *
12/14	0510	NTR	Organic Carbon, Total	< 1.500 mg/L			0.00	101.0
12/29	2156	WP	Titanium	0.01 mg/L			2.69	97.0 *
12/07	1022	NTR	pH	7.8 S.U.			0.00	N/A
12/16	0312	WP	Chromium	< 10.00 ug/L			0.32	95.0 *
12/08	0510	NTR	Phosphorus, Total (as P)	0.0900 mg/L			0.98	102.2 *
12/29	2156	WP	Manganese	0.019 mg/L			5.48	96.9 *
12/29	2156	WP	Iron	0.3490 mg/L			3.98	91.0 *
12/29	2156	WP	Cobalt	< 0.01 mg/L			4.22	93.1 *

* QA data shown is from a different sample or standard on the same date.

Report for Control Number: 2212010176 Continued on Next Page

Customer Name : HOLCIM-PRESCOTT 201-SW
Control Number: 2212010176

Page 2

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
12/10	1200	DL	Solids, Total Suspended	7.00 mg/L			SM 2011 2540 D	2.82	N/A
12/16	0312	WP	Nickel	1.39 ug/L			EPA 200.8	0.78	99.0 *
12/16	0312	WP	Copper	4.54 ug/L			EPA 200.8	3.73	106.0 *
12/16	0312	WP	Zinc	118.00 ug/L			EPA 200.8	1.20	91.0 *
12/16	0312	WP	Arsenic	< 0.50 ug/L			EPA 200.8	5.56	100.0 *
12/16	0312	WP	Selenium	< 5.00 ug/L			EPA 200.8	5.09	91.0 *
12/07	1022	NTR	Temperature	19.40 °C			SM 2000 2550 B	0.51	N/A
12/29	2156	WP	Molybdenum	0.1140 mg/L			EPA 200.8	0.94	94.3 *
12/08	0610	NTR	Chromium, Hexavalent	< 10.00 ug/L			SM 2009 3500-Cr B	11.76	111.0
12/16	0312	WP	Silver	< 0.5 ug/L			EPA 200.8	0.97	103.0 *
12/16	0312	WP	Cadmium	< 0.50 ug/L			EPA 200.8	0.52	96.0 *
12/29	2156	WP	Tin	< 0.01 mg/L			EPA 200.8	0.79	96.0 *
12/16	0312	WP	Antimony	< 60.00 ug/L			EPA 200.8	2.04	92.0 *
12/29	2156	WP	Barium	0.0220 mg/L			EPA 200.8	3.42	96.0 *
12/16	0312	WP	Thallium	< 0.500 ug/L			EPA 200.8	0.98	102.0 *
12/16	0312	WP	Lead	0.87 ug/L			EPA 200.8	1.17	100.0 *
12/13	1324	SLK	Nitrate + Nitrite	< 0.30 mg/L			HACH 10206	0.00	101.0 *
12/14	0405	NTR	Phenolics, Low Range	< 5.000 ug/L			EPA 420.1	0.00	110.0

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature


Environmental Services Co., Inc.

AEQ

Environmental Services Company, Inc.

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1107 Century Avenue
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Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2212010177
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1019
Sample Type : GRAB STORMWATER
Sample From : SAMPLE DUPLICATE

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time By						% RPD	% Recovery
12/14	0305 WP	Mercury, low level	< 0.500 ng/L			EPA 1631E	20.36	104.0 *

* QA data shown is from a different sample or standard on the same date.

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Control Number: 2212010178
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1010
Sample Type : GRAB WATER
Sample From : EQUIPMENT BLANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time By						% RPD	% Recovery
12/14	0305 WP	Mercury, low level	< 0.500 ng/L			EPA 1631E	20.36	104.0 *
* QA data shown is from a different sample or standard on the same date.								

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

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Control Number: 2212010179
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1007
Sample Type : GRAB WATER
Sample From : FIELD BLANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis

<u>Analysis</u>			<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					
12/14	0305	WP	Mercury, low level	1.890 ng/L			EPA 1631E

Quality Assurance

<u>Precision</u>	<u>Accuracy</u>
<u>% RPD</u>	<u>% Recovery</u>
20.36	104.0 *

* QA data shown is from a different sample or standard on the same date.

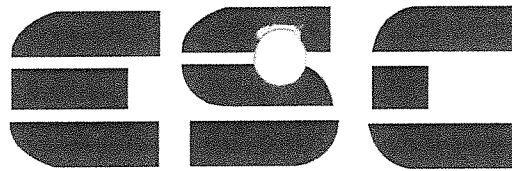
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

AEG

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website: www.esclabs.com



Springdale, Arkansas
479-750-1170

Carlsbad, New Mexico
575-887-1ESC

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters												
Client: Holcim						Permit/Project #:					Hexavalent Cr (44.PS)	Phenolics (99.PS)	Metals* (See Comments Section)	Volatiles (82.0)	BNA (98.AA), Dioxin(1.E)	Fluoranthene (PPS level)	Cn (9.PS)	Mercury(16.31)					
Address: 1406 Highway 371 North						Purchase Order #:																	
Prescott, AR 71857						Work order #																	
Phone: 870-887-1487						Sampler Name(s): Ned Ryerson																	
Fax: 870-887-1452						and Signature(s): <i>Ned Ryerson</i>																	
Contact: Mr. James Mathis																							
ESC Client Number: 450																							
Sample Identification		Sample Collection				Sample Containers																	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#														
Priority Pollutant Scan	2212010176	12-7-22	1019	Grab	Stormwater	Plastic	8 oz	Cool $\leq 6^{\circ}$ C	1	X													
(PPS)				Grab	Stormwater	Glass	1 L Amber	Cool $\leq 6^{\circ}$ C, H2SO4 TO pH < 2	1		X												
				Grab	Stormwater	Plastic	8 oz	HNO3 to pH < 2	2			X											
				Grab	Stormwater	Glass	1 Liter	Cool $\leq 6^{\circ}$ C	4				X	X									
				Grab	Stormwater	Plastic	1 Liter	Cool $\leq 6^{\circ}$ C, NaOH to pH > 10	1							X							
				Grab	Stormwater	VOA	40 mls	Cool $\leq 6^{\circ}$ C	3			X											
				Grab	Stormwater	Glass	1 L Amber	Cool $\leq 6^{\circ}$ C	3														
				Grab	Stormwater	Glass	250 ml	None	1								X						
Sample Duplicate	2212010177	12-7-22	1019	Grab	Stormwater	Glass	250 ml	None	1								X						
Equipment Blank	2212010178	12-7-22	1010	Grab	Water	Glass	250 ml	None	1								X						
Field Blank	2212010179	12-7-22	1009	Grab	Water	Glass	250 ml	None	1								X						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:													
										Used? ☒ Intact? ☐													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:													
										Regular ☒ Special ☐													
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:													
<i>Ned Ryerson</i>		12-7-22	1440	<i>John T. Hoff</i>				12/7/22	1440	Yes ☒ No ☐													
Comments: Dioxin Screening/PPS Levels for all. (Form Included)										Blow Data		Field Test		Time		Analyst		Result		Result		Units	
Metals: Be (4.PS), Cr (24.PS), Ni (28.PS),																							
Cu (29.PS), Zn (30.PS), As (33.PS), Se (34.PS),																							
Ag (47.PS), Cd (48.PS), Sb (51.PS), Tl (81.PS),																							
Pb (82.PS), Metal Digestion (00.MD)																							



This Document is Page 2 of 2

Environmental Services Company, Inc.

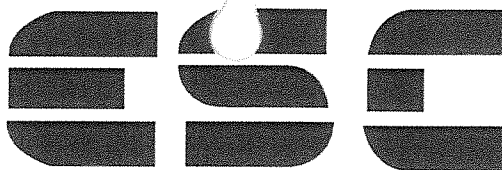
Corporate Office

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CHAIN OF CUSTODY

Springdale, Arkansas

479-750-1170

Carlsbad, New Mexico

575-887-1372

Albuquerque, New Mexico

888-372-3477

Client Information						Project Information					Requested Parameters											
Client: Holcim						Permit/Project #: Permit Renewal					BOD (3.), TSS (28.) Bromide (5.), Color(8.), Fluoride (11.) Oil & Grease (21.) Ammonia (15.A), NO3+NO2(91) TKN(16.C), Phosphorus (25.) Metals (See Comments) COD (6.), T. Nitrogen (15.C) TOC (22.)											
Address: 1406 Highway 371 North						Purchase Order #:																
Prescott, AR 71857						Work Order #:																
Phone: 870-887-1487						Sampler Name(s): Ned Ryerson																
Fax: 870-887-1452						and Signature(s): Ned Ryerson																
Contact: Mr. James Mathis																						
ESC Client Number: 450																						
Sample Identification		Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
SW-201	2012010176	12-7-22	1019	Grab	Stormwater	Plastic	1/2 gal.	Cool ≤ 6°C	1	X												
				Grab	Stormwater	Plastic	1 Liter	Cool ≤ 6°C	1		X											
				Grab	Stormwater	Glass	250 mls	Cool < 6° C, H2SO4 to pH < 2	1			X										
				Grab	Stormwater	Plastic	1 Liter	Cool < 6° C, H2SO4 to pH < 2	1				X	X			X					
				Grab	Stormwater	Plastic	8 oz.	HNO3	1						X							
				Grab	Stormwater	VOA	40 mls	Cool < 6° C, H2SO4 to pH < 2	1											X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? ☒ Intact? ☐														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround: Regular ☒ Special ☐														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes ☒ No ☐														
Comments:		Flow Data		Field Test		Time	Analyst	Result	Result	Units												
Metals: Al (13.HW), Ba (56.HW), B(5.HW), Co(27.HW), Fe(26.HW), Mg(12.HW),				pH		10:22	NT2	7.8	7.8	SU												
Mo(42.HW), Mn(25.HW), Sn(50.HW), Ti(22.HW), 00.MD				Temp.		10:22	NT2	19.4	19.5	Degrees C												
				Reading:																		
				Units:																		
				Chlorinated? Y N							This Document is Page 1 of 2											

DMP

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Control Number: 2212010500
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 01/09/23

Sample Date : 12/21/22
Sample Time : 1030
Sample Type : GRAB STORMWATER
Sample From : PPS

Collected By: TKB
Delivery By : TKB
Work Order :
Purchase Order :

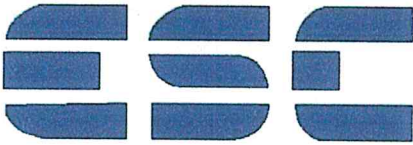
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>		<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time By</u>						<u>% RPD</u>	<u>% Recovery</u>
01/04	1146 WP	Bromide (as Br)	< 0.100 mg/L			EPA 320.1	8.80	99.0 *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature


Environmental Services Co., Inc.



Environmental Services Company, Inc.

Corporate Office

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501-221-1341 (f)

Carlsbad, New Mexico

575-887-7-ESC (372)

Springdale, Arkansas

479-750-1170

www.esclabs.com

LABORATORY REPORT

Client:	Holcim	Sample Date:	12/21/22
Control Number:	2212010500	Sample Time:	1030
Sample Type:	Grab Wastewater	Receipt Date:	12/21/22
Sample Identification	Priority Pollutant Scan (SW-201)	Report Date:	1/6/22

ANALYTES OF INTEREST (µg/L or ppb)

Analyte	Result	Detection Limit
2,3,7,8-TCDD (Dioxin) (Screen)	ND	1.25

QUALITY ASSURANCE DATA

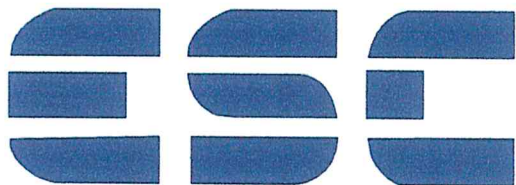
Method: EPA 625.1

Analysis Date:	12/30/22
Analysis Time:	0356
Analyst:	WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager



Environmental Services Company, Inc.

Northwest Arkansas Office

1107 Century Street

Springdale, Arkansas 72764

479-750-1170 (p)

479-750-1172 (f)

www.esclabs.com

Corporate Office

501-221-2565

Carlsbad, New Mexico

575-887-1-ESC (372)

Albuquerque, New Mexico

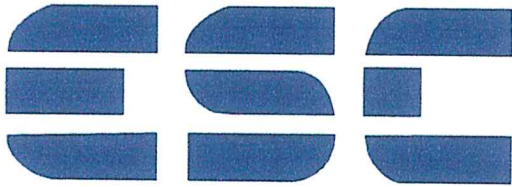
888-ESC-FIRST (372-3477)

LABORATORY REPORT

Client:	Holcim	Sample Date:	12/21/22
Control Number:	2212010500	Sample Time:	1030
Sample Type:	Grab Wastewater	Receipt Date:	12/21/22
Sample Identification	Priority Pollutant Scan (SW-201)	Report Date:	1/6/22

VOLATILE ORGANIC TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
1,1,1-trichloroethane	ND	10
1,1,2,2-tetrachloroethane	ND	10
1,1,2-trichloroethane	ND	10
1,1-dichloroethane	ND	10
1,1-dichloroethene	ND	10
1,2-dichloroethane	ND	10
1,2-dichloropropane	ND	10
1,3-Dichloropropene	ND	10
2-chloroethyl vinyl ether	ND	10
Acrolein	ND	50
Acrylonitrile	ND	20
Benzene	ND	10
Bromodichloromethane	ND	10
Bromoform	ND	10
Bromomethane	ND	50
Carbon Tetrachloride	ND	2
Chlorobenzene	ND	10
Chloroethane	ND	50
Chloroform	ND	10
Chloromethane	ND	50
Dibromochloromethane	ND	10
Ethylbenzene	ND	10
Methylene chloride	ND	20
Tetrachloroethene	ND	10
Toluene	ND	10
trans-1,2-dichloroethene	ND	10
Trichloroethene	ND	10
Vinyl chloride	ND	10



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LABORATORY REPORT

Client: Holcim
Control Number: 2212010500

QUALITY ASSURANCE DATA

Method: EPA 624.1

System Monitoring Compounds

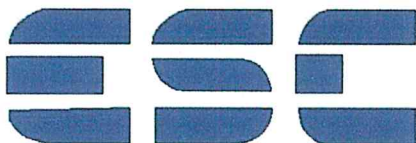
	<u>% Recovery</u>	<u>% Recovery Limits</u>
Dibromofluoromethane	122.0%	70-128
Toluene-d ₈	89.2%	70-130
4-Bromofluorobenzene	81.4%	71-131
1,2-Dichloroethane-d ₄	120.0%	67-136

Analysis Date: 12/28/22
Analysis Time: 1517
Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:


Ned Ryerson, Laboratory Manager



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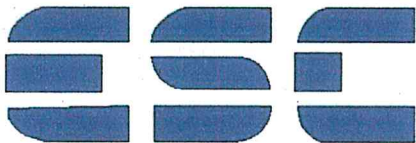
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479-750-1170
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LABORATORY REPORT

Client:	Holcim	Sample Date:	12/21/22
Control Number:	2212010500	Sample Time:	1030
Sample Type:	Grab Wastewater	Receipt Date:	12/21/22
Sample Identification	Priority Pollutant Scan (SW-201)	Report Date:	1/6/22

BASE/NEUTRAL EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzidine	ND	50
Benzo(a)anthracene	ND	5
Benzo(a)pyrene	ND	5
Benzo(b)fluoranthene	ND	10
Benzo(ghi)perylene	ND	20
1,4-Benzofluoranthene	ND	5
Bis(2-chloroethoxy)methane	ND	10
Bis(2-chloroethyl)ether	ND	10
Bis(2-chloroisopropyl)ether	ND	10
Bis(2-ethylhexyl)phthalate	ND	12.5
4-Bromophenyl phenyl ether	ND	10
Butyl benzyl phthalate	ND	10
2-Chloronaphthalene	ND	10
4-Chlorophenyl phenyl ether	ND	10
Chrysene	ND	5
Dibenzo(a,h)anthracene	ND	5
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3'-Dichlorobenzidine	ND	12.5
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
Di-n-butyl phthalate	ND	10
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Di-n-octyl phthalate	ND	10
1,2-Diphenylhydrazine	ND	20
Fluoranthene	ND	2.50
Fluorene	ND	10
Hexachlorobenzene	ND	6.25



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LABORATORY REPORT

Client: Holcim

Control Number: 2212010500

BASE/NEUTRAL EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (CONT.) (µg/L or ppb)

Analyte	Result	Detection Limit
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	20
Indeno(1,2,3-cd)pyrene	ND	5
Isophorone	ND	10
Naphthalene	ND	10
Nitrobenzene	ND	10
N-nitrosodimethylamine	ND	50
N-nitrosodi-n-propylamine	ND	20
N-nitrosodiphenylamine	ND	20
Phenanthrene	ND	10
Pyrene	ND	10
1,2,4-Trichlorobenzene	ND	10

BASE/NEUTRAL EXTRACTABLE QUALITY ASSURANCE DATA

Method: EPA 625.1

System Monitoring Compounds	% Recovery	% Recovery Limits
Nitrobenzene-d ₅	53.0%	29-105
2-Fluorobiphenyl	56.8%	30-107
p-Terphenyl-d ₁₄	78.0%	30-130

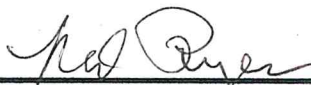
Analysis Date: 12/30/22

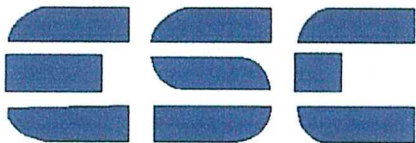
Analysis Time: 0300

Analyst: WPT

A laboratory blank was monitored for all analytes of interest.

Data Release authorized by:


Ned Ryerson, Laboratory Manager



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LABORATORY REPORT

Client: Holcim

Control Number: 2212010500

ACID EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
2-Chlorophenol	ND	10
2,4-Dichlorophenol	ND	10
2,4-Dimethylphenol	ND	10
4,6-Dinitro-2-methylphenol	ND	50
2,4-Dinitrophenol	ND	50
2-Nitrophenol	ND	20
4-Nitrophenol	ND	50
4-Chloro-3-methylphenol	ND	10
Pentachlorophenol	ND	6.25
Phenol	ND	10
2,4,6-Trichlorophenol	ND	10

ACID EXTRACTABLE QUALITY ASSURANCE DATA

Method: EPA 625.1

System Monitoring Compounds	% Recovery	% Recovery Limits
2-Fluorophenol	27.1%	8-88
2,4,6-Tribromophenol	49.5%	16-138
Phenol-d6	19.3%	7-58

Analysis Date: 12/30/22

Analysis Time: 0300

Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager

Phone: 501-221-2565 Fax: 501-221-1341

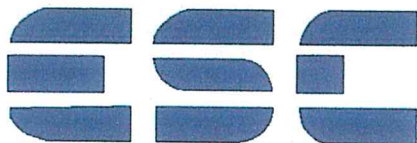


Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters													
Client:						Holcim	201-SW		Permit/Project #:								Volatiles (\$2.0)	BNA (98.AA), Dioxin (1.E)	Fluoranthene (PPS level)	Bromide						
Address:						1406 Highway 371 North		Purchase Order #:																		
						Prescott, AR 71857		Work order #																		
Phone:						870-887-1487		Sampler Name(s): <i>Taylor Barger</i>																		
Fax:						870-887-1452																				
Contact:						Mr. James Mathis		and Signature(s): <i>[Signature]</i>																		
ESC Client Number:						450																				
Sample Identification				Sample Collection				Sample Containers																		
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#																	
Priority Pollutant Scan (PPS)	2212010500	12/21/2022	1030	Grab	Stormwater	Glass	1 Liter	Cool < 6° C	4	X	X															
	↓	↓	I	Grab	Stormwater	VOA	40 mls	Cool ≤ 6° C	3	X																
				Grab	Stormwater	Plastic	8 oz	Cool ≤ 6° C	1				X													
Relinquished By: (Signature and Printed Name) <i>[Signature] Taylor Barger</i>		Date 12/21/22	Time 1605	Received By: (Signature and Printed Name) <i>[Signature]</i>			Date 12/21/22	Time 1605	Custody Seals: Used? ☒ Intact? ☐																	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround: Regular ☒ Special ☐																	
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name) <i>Shera Krotkiewicz</i>			Date 12/21/22	Time 1605	Were samples properly preserved: Yes ☒ No ☐																	
Comments: 1. Dioxin Screening/PPS Levels for all. (Form Included) 2. Pesticides and PCBs not need						Flow Data		Field Test	Time	Analyst	Result	Result	Units													
						Analyst:																				
						Time:																				
						Reading:																				
						Units:																				
																										
This Document is Page 1 of 1																										

QMP



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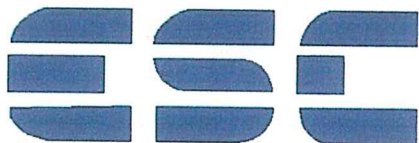
www.esclabs.com

LABORATORY REPORT

Client:	Holcim	Sample Date:	12/07/22
Control Number:	2212010180	Sample Time:	1044
Sample Type:	Grab Wastewater	Receipt Date:	12/07/22
Sample Identification	Priority Pollutant Scan (SW-202)	Report Date:	1/6/22

BASE/NEUTRAL EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzidine	ND	50
Benzo(a)anthracene	ND	5
Benzo(a)pyrene	ND	5
Benzo(b)fluoranthene	ND	10
Benzo(ghi)perylene	ND	20
1,4 Benzofluoranthene	ND	5
Bis(2-chloroethoxy)methane	ND	10
Bis(2-chloroethyl)ether	ND	10
Bis(2-chloroisopropyl)ether	ND	10
Bis(2-ethylhexyl)phthalate	ND	10.1
4-Bromophenyl phenyl ether	ND	10
Butyl benzyl phthalate	ND	10
2-Chloronaphthalene	ND	10
4-Chlorophenyl phenyl ether	ND	10
Chrysene	ND	5
Dibenzo(a,h)anthracene	ND	5
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3'-Dichlorobenzidine	ND	10.1
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
Di-n-butyl phthalate	ND	10
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Di-n-octyl phthalate	ND	10
1,2-Diphenylhydrazine	ND	20
Fluoranthene	ND	2.02
Fluorene	ND	10
Hexachlorobenzene	ND	5.05



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LABORATORY REPORT

Client: Holcim
Control Number: 2212010180

BASE/NEUTRAL EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (CONT.) (µg/L or ppb)

Analyte	Result	Detection Limit
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	20
Indeno(1,2,3-cd)pyrene	ND	5
Isophorone	ND	10
Naphthalene	ND	10
Nitrobenzene	ND	10
N-nitrosodimethylamine	ND	50
N-nitrosodi-n-propylamine	ND	20
N-nitrosodiphenylamine	ND	20
Phenanthrene	ND	10
Pyrene	ND	10
1,2,4-Trichlorobenzene	ND	10

BASE/NEUTRAL EXTRACTABLE QUALITY ASSURANCE DATA

Method: EPA 625.1

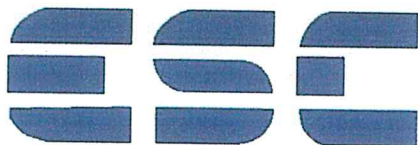
System Monitoring Compounds	% Recovery	% Recovery Limits
Nitrobenzene-d ₅	52.7%	29-105
2-Fluorobiphenyl	53.8%	30-107
p-Terphenyl-d ₁₄	69.1%	30-130

Analysis Date: 12/15/22
Analysis Time: 0336
Analyst: WPT

A laboratory blank was monitored for all analytes of interest.

Data Release authorized by:


Ned Ryerson, Laboratory Manager



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LABORATORY REPORT

Client: Holcim
Control Number: 2212010180

ACID EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
2-Chlorophenol	ND	10
2,4-Dichlorophenol	ND	10
2,4-Dimethylphenol	ND	10
4,6-Dinitro-2-methylphenol	ND	50
2,4-Dinitrophenol	ND	50
2-Nitrophenol	ND	20
4-Nitrophenol	ND	50
4-Chloro-3-methylphenol	ND	10
Pentachlorophenol	ND	5.05
Phenol	ND	10
2,4,6-Trichlorophenol	ND	10

ACID EXTRACTABLE QUALITY ASSURANCE DATA

Method: EPA 625.1

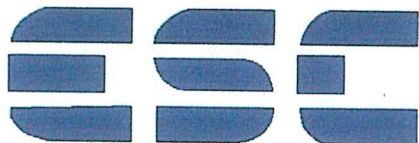
System Monitoring Compounds	% Recovery	% Recovery Limits
2-Fluorophenol	49.4%	8-88
2,4,6-Tribromophenol	66.5%	16-138
Phenol-d6	15.4%	7-58

Analysis Date: 12/15/22
Analysis Time: 0336
Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager



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LABORATORY REPORT

Client:	Holcim	Sample Date:	12/07/22
Control Number:	2212010180	Sample Time:	1044
Sample Type:	Grab Wastewater	Receipt Date:	12/07/22
Sample Identification	Priority Pollutant Scan	Report Date:	1/6/22

ANALYTES OF INTEREST (µg/L or ppb)

Analyte	Result	Detection Limit
2,3,7,8-TCDD (Dioxin) (Screen)	ND	1.03

QUALITY ASSURANCE DATA

Method: EPA 625.1

Analysis Date: 12/16/22

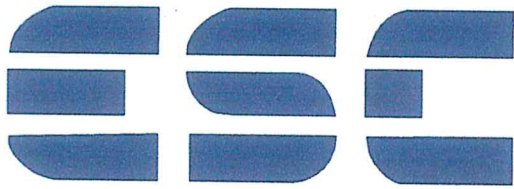
Analysis Time: 0100

Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager



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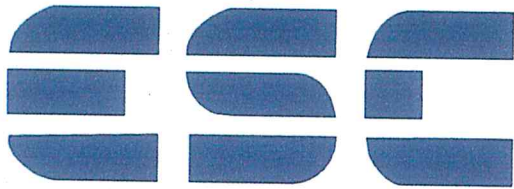
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LABORATORY REPORT

Client:	Holcim	Sample Date:	12/07/22
Control Number:	2212010180	Sample Time:	1044
Sample Type:	Grab Wastewater	Receipt Date:	12/07/22
Sample Identification	Priority Pollutant Scan	Report Date:	1/6/22

VOLATILE ORGANIC TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
1,1,1-trichloroethane	ND	10
1,1,2,2-tetrachloroethane	ND	10
1,1,2-trichloroethane	ND	10
1,1-dichloroethane	ND	10
1,1-dichloroethene	ND	10
1,2-dichloroethane	ND	10
1,2-dichloropropane	ND	10
1,3-Dichloropropene	ND	10
2-chloroethyl vinyl ether	ND	10
Acrolein	ND	50
Acrylonitrile	ND	20
Benzene	ND	10
Bromodichloromethane	ND	10
Bromoform	ND	10
Bromomethane	ND	50
Carbon Tetrachloride	ND	2
Chlorobenzene	ND	10
Chloroethane	ND	50
Chloroform	ND	10
Chloromethane	ND	50
Dibromochloromethane	ND	10
Ethylbenzene	ND	10
Methylene chloride	ND	20
Tetrachloroethene	ND	10
Toluene	ND	10
trans-1,2-dichloroethene	ND	10
Trichloroethene	ND	10
Vinyl chloride	ND	10



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LABORATORY REPORT

Client: Holcim
Control Number: 2212010180

QUALITY ASSURANCE DATA

Method: EPA 624.1

System Monitoring Compounds

Dibromofluoromethane

% Recovery

127.0%

% Recovery Limits

70-128

Toluene-d₈

114.0%

70-130

4-Bromofluorobenzene

111.0%

71-131

1,2-Dichloroethane-d₄

105.0%

67-136

Analysis Date:

12/18/22

Analysis Time:

1209

Analyst:

WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager

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Northwest Arkansas Branch
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Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2212010180
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 01/11/23

Sample Date : 12/07/22
Sample Time : 1044
Sample Type : GRAB STORMWATER
Sample From : SW-202 PPS

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
12/08	1000	JTK	BOD, 5-day	< 2.0 mg/L		SM 2011 5210 B	0.00	99.4 *
12/15	0239	WP	Beryllium	< 0.50 ug/L		EPA 200.8	1.62	87.0 *
12/15	0239	WP	Bromide (as Br)	< 0.100 mg/L		EPA 320.1	3.20	101.0 *
12/29	2156	WP	Boron	< 0.0250 mg/L		EPA 200.8	3.00	109.0 *
12/12	1017	SLK	Chemical Oxygen Demand	189.0 mg/L		EPA 410.3	0.00	110.0 *
12/08	1305	NTR	Color (Apparent)	10.000 C.U.		SM 2001 2120 B	0.00	N/A *
12/14	0435	NTR	Cyanide Total (as CN)	< 10.0 ug/L		SM 1999 4500-CN F	0.00	107.5 *
01/04	1448	SLK	Fluoride	0.207 mg/L		SM 2011 4500-F D	0.00	95.0 *
12/29	2156	WP	Magnesium	1.0100 mg/L		EPA 200.8	3.60	97.4 *
12/29	2156	WP	Aluminum	0.1830 mg/L		EPA 200.8	4.83	99.7 *
01/04	1051	SLK	Nitrogen, Total	1.55 mg/L		SM 1997 TKN+NH3	0.00	103.0 *
12/14	0336	WP	Mercury, low level	< 0.500 ng/L		EPA 1631E	20.36	104.0 *
12/09	0505	NTR	Total Kjeldahl Nitrogen	0.8 mg/L		02/2014 HACH 10242	2.08	94.4 *
12/12	1155	RRJ	Oil & Grease, Total	5.80 mg/L		EPA 1664 B	0.00	100.0 *
12/14	0510	NTR	Organic Carbon, Total	< 1.500 mg/L		SM 2000 5310 B	0.00	101.0 *
12/29	2156	WP	Titanium	0.01 mg/L		EPA 200.8	2.69	97.0 *
12/07	1047	NTR	pH	7.4 S.U.		SM 2011 4500-H+B	0.00	N/A *
12/15	0239	WP	Chromium	< 10.00 ug/L		EPA 200.8	1.43	99.0 *
12/08	0510	NTR	Phosphorus, Total (as P)	0.3360 mg/L		EPA 365.1	0.98	102.2 *
12/29	2156	WP	Manganese	0.043 mg/L		EPA 200.8	5.48	96.9 *
12/29	2156	WP	Iron	0.5200 mg/L		EPA 200.8	3.98	91.0 *

* QA data shown is from a different sample or standard on the same date.

Customer Name : HOLCIM-PRESCOTT 202-SW
Control Number: 2212010180

Page 2

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
12/29	2156	WP	Cobalt	< 0.01 mg/L			EPA 200.8	4.22	93.1 *
12/10	1200	DL	Solids, Total Suspended	8.30 mg/L			SM 2011 2540 D	2.82	N/A *
12/15	0239	WP	Nickel	0.61 ug/L			EPA 200.8	3.78	101.0 *
12/15	0239	WP	Copper	0.73 ug/L			EPA 200.8	0.38	97.0 *
12/15	0239	WP	Zinc	33.40 ug/L			EPA 200.8	1.75	101.0 *
12/15	0239	WP	Arsenic	< 0.50 ug/L			EPA 200.8	2.04	97.0 *
12/15	0239	WP	Selenium	< 5.00 ug/L			EPA 200.8	1.67	89.0 *
12/07	1047	NTR	Temperature	19.20 °C			SM 2000 2550 B	0.51	N/A *
12/29	2156	WP	Molybdenum	0.0066 mg/L			EPA 200.8	0.94	94.3 *
12/08	0610	NTR	Chromium, Hexavalent	< 10.00 ug/L			SM 2009 3500-Cr B	11.76	111.0 *
12/15	0239	WP	Silver	< 0.5 ug/L			EPA 200.8	3.59	90.0 *
12/15	0239	WP	Cadmium	< 0.50 ug/L			EPA 200.8	2.57	99.0 *
12/29	2156	WP	Tin	< 0.01 mg/L			EPA 200.8	0.79	96.0 *
12/15	0239	WP	Antimony	< 60.00 ug/L			EPA 200.8	0.24	84.0 *
12/29	2156	WP	Barium	0.0189 mg/L			EPA 200.8	3.42	96.0 *
12/15	0239	WP	Thallium	< 0.500 ug/L			EPA 200.8	3.42	98.0 *
12/15	0239	WP	Lead	< 0.50 ug/L			EPA 200.8	1.25	97.0 *
12/13	1324	SLK	Nitrate + Nitrite	0.39 mg/L			HACH 10206	0.00	101.0 *
12/14	0405	NTR	Phenolics, Low Range	< 5.000 ug/L			EPA 420.1	0.00	110.0 *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature


Environmental Services Co., Inc.

Environmental Services Company, Inc.

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1107 Century Avenue
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Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2212010181
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR00000612 202
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1044
Sample Type : GRAB STORMWATER
Sample From : SAMPLE DUPLICATE

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
12/14	0336	WP	Mercury, low level	0.663 ng/L			EPA 1631E	% RPD	% Recovery
								20.36	104.0 *

* QA data shown is from a different sample or standard on the same date.

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Control Number: 2212010182
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 01/09/23

Sample Date : 12/07/22
Sample Time : 1039
Sample Type : GRAB WATER
Sample From : EQUIPMENT BLANK

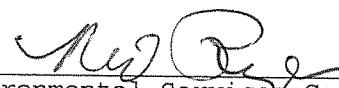
Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Analysis							Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method		Precision	Accuracy
12/14	0305	WP	Mercury, low level	< 0.500 ng/L			EPA 1631E		% RPD	% Recovery

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Signature


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Control Number: 2212010183
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1037
Sample Type : GRAB WATER
Sample From : FIELD BLANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time By						% RPD	% Recovery
12/14	0336 WP	Mercury, low level	0.874 ng/L			EPA 1631E	20.36	104.0 *

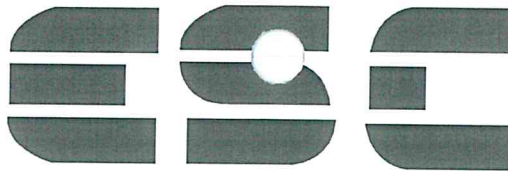
* QA data shown is from a different sample or standard on the same date.

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Signature


Environmental Services Co., Inc.

AEQ

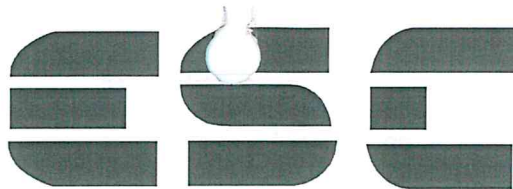


Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters										
Client:	Holcim					Permit/Project #:					Hexavalent Cr (44.PS) Phenolics (99.PS) Metals* (See Comments Section) Volatiles (82.0) BNA (98.AA) ,Dioxin(1 E) Fluoranthene (PPS level) Cn (9.PS) Mercury(16.31)										
Address:	1406 Highway 371 North					Purchase Order #:															
	Prescott, AR 71857					Work order #															
Phone:	870-887-1487					Sampler Name(s): Ned Ryerson															
Fax:	870-887-1452					and Signature(s): [Signature]															
Contact:	Mr. James Mathis																				
ESC Client Number:	452																				
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
Priority Pollutant Scan	2212010180	12-7-22	1044	Grab	Stormwater	Plastic	8 oz	Cool ≤ 6° C	1	X											
(PPS)				Grab	Stormwater	Glass	1 L Amber	Cool <6° C, H2SO4 TO PH <2	1		X										
				Grab	Stormwater	Plastic	8 oz	HNO3 to pH <2	2			X									
				Grab	Stormwater	Glass	1 Liter	Cool ≤ 6° C	4					X	X						
				Grab	Stormwater	Plastic	1 Liter	Cool <6° C, NaOH to pH > 10	1								X				
				Grab	Stormwater	VOA	40 mls	Cool ≤ 6° C	3				X								
				Grab	Stormwater	Glass	1 L Amber	Cool ≤ 6° C	3												
Sample Duplicate	2212010181	12-7-22	1044	Grab	Stormwater	Glass	250 ml	None	1										X		
Equipment Blank	2212010182	12-7-22	1039	Grab	Water	Glass	250 ml	None	1										X		
Field Blank	2212010183	12-7-22	1037	Grab	Water	Glass	250 ml	None	1										X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals: Used? ☒ Intact? ☐											
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround: Regular ☒ Special ☐											
Relinquished By: (Signature and Printed Name) [Signature] - Ned Ryerson		Date 12-7-22	Time 1440	Received for Lab By: (Signature and Printed Name) [Signature]				Date 12/7/22	Time 1440	Were samples properly preserved: Yes ☒ No ☐											
Comments: Dioxin Screening/PPS Levels for all. (Form Included) Metals: Be (4.PS), Cr (24.PS), Ni (28.PS), Cu (29.PS), Zn (30.PS), As (33.PS), Se (34.PS), Ag (47.PS), Cd (48.PS), Sb (51.PS), Tl (81.PS), Pb (82.PS), Metal Digestion (00.MD)						Flow Data	Field Test	Time	Analyst	Result	Result	Units									
						Analyst:															
						Time:															
						Reading:															
						Units:															
						This Document is Page 2 of 2															

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website: www.esclabs.com
Phone: 501-221-2565 Fax: 501-221-1341



CHAIN OF CUSTODY

Springdale, Arkansas
479-750-1170
Carlsbad, New Mexico
575-887-1372
Albuquerque, New Mexico
888-372-3477

Client Information						Project Information					Requested Parameters												
Client:		Holcim				Permit/Project #:		Permit Renewal			BOD (3.), TSS (28.)	Epoxide (5.), Color (8.), Fluoride (11.),	Oil & Grease (21.)	Ammonia (15.A), NO3+NO2(91)	TKN(16.C), Phosphorus (25.)	Metals (See Comments)	COD (6.), T. Nitrogen (15.C)	TOC (22.)					
Address:		1406 Highway 371 North Prescott, AR 71857				Purchase Order #:																	
Phone:		870-887-1487				Work Order #																	
Fax:		870-887-1452				Sampler Name(s):		Ned Ryerson															
Contact:		Mr. James Mathis				and Signature(s):		[Signature]															
ESC Client Number: 452																							
Sample Identification		Sample Collection				Sample Containers																	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#														
SW-202	222010180	12-7-22	1044	Grab	Stormwater	Plastic	1/2 gal.	Cool ≤ 6°C	1	X													
				Grab	Stormwater	Plastic	1 Liter	Cool ≤ 6°C	1		X												
				Grab	Stormwater	Glass	250 mls	Cool < 6° C, H2SO4 to pH < 2	1			X											
				Grab	Stormwater	Plastic	1 Liter	Cool < 6° C, H2SO4 to pH < 2	1				X	X		X							
				Grab	Stormwater	Plastic	8 oz.	HNO3	1						X								
				Grab	Stormwater	VOA	40 mls	Cool < 6° C, H2SO4 to pH < 2	1								X						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:															
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? ☒ Intact? ☐															
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround: Regular ☒ Special ☐															
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes ☒ No ☐															
Comments:		Flow Data		Field Test		Time	Analyst	Result	Result	Units													
Metals: Al (13.HW), Ba (56.HW), B(5.HW), Co(27.HW), Fe(26.HW), Mg(12.HW),		Analyst:		pH		1047	NED	7.4	7.4	SU													
Mo(42.HW), Mn(25.HW), Sn(50.HW), Ti(22.HW), 00.MD		Time:		Temp.		1047	NED	19.2	19.2	Degrees C													
		Reading:																					
		Units:																					
		Chlorinated? Y N						This Document is Page 1 of 2															

ATTACHMENT 2

December 9 and 20, 2022 Sample Analysis

This attachment includes the following:

- ▶ ESC analysis for samples taken at Outfalls SW-201 and SW-202 on December 9, 2022
- ▶ ESC analysis for samples taken at Outfalls SW-201 and SW-202 on December 20, 2022

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Control Number: 2212010329
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 01/05/23

Sample Date : 12/09/22
Sample Time : 1005
Sample Type : GRAB STORMWATER
Sample From : SW-201

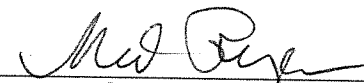
Collected By: KEVIN FLOWERS
Delivery By : MER
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
12/13	0917	SLK	Chemical Oxygen Demand, L	< 3.70 mg/L		EPA 410.3	5.26	95.0
12/13	0912	RRJ	Oil & Grease, Total	< 5.00 mg/L		EPA 1664 B	1.10	105.4 *
12/09	1035	KF	pH	7.3 S.U.		SM 2011 4500-H+B		

* QA data shown is from a different sample or standard on the same date.

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Signature



Environmental Services Co., Inc.

The logo for Environmental Science Graduate (ESG) features the letters 'ESG' in a bold, stylized, sans-serif font. The letters are black with a white outline, and the 'S' is slightly larger and more prominent than the 'E' and 'G'.

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AMF

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Control Number: 2212010330
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 01/06/23

Sample Date : 12/09/22
Sample Time : 1010
Sample Type : GRAB STORMWATER
Sample From : SW-202

Collected By: KEVIN FLOWERS
Delivery By : MER
Work Order :
Purchase Order :

Analysis				<u>Laboratory Analysis</u>				<u>Quality Assurance</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
01/04	0917	SLK	Chemical Oxygen Demand, L	10.80 mg/L			EPA 410.3	<u>% RPD</u>	<u>% Recovery</u>
01/04	0912	RRJ	Oil & Grease, Total	< 5.00 mg/L			EPA 1664 B	0.00	95.0 *
12/09	1040	KF	pH	7.0 S.U.			SM 2011 4500-H+B	5.41	110.0 *
12/13	1159	RRJ	Solids, Total Suspended	10.30 mg/L			SM 2011 2540 D	2.87	N/A

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Signature


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2MP

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Control Number: 2212010503
Customer Name : FIRESTONE-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/27/22

Sample Date : 12/20/22
Sample Time : 0935
Sample Type : GRAB STORMWATER
Sample From : SW-201

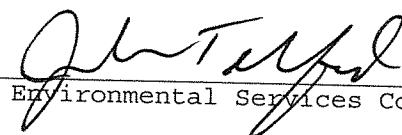
Collected By: KEVIN FLOWERS
Delivery By : TKB
Work Order :
Purchase Order :

Analysis			Laboratory Analysis				Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
12/21	1050	SLK	Chemical Oxygen Demand, L	11.50 mg/L			EPA 410.3	% RPD
12/22	0950	RRJ	Oil & Grease, Total	< 5.00 mg/L			EPA 1664 B	% Recovery
12/20	1005	KF	pH	6.9 S.U.			SM 2011 4500-H+B	

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Signature


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DHO

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Control Number: 2212010504
Customer Name : FIRESTONE-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 12/28/22

Sample Date : 12/20/22
Sample Time : 0940
Sample Type : GRAB STORMWATER
Sample From : SW-202

Collected By: KEVIN FLOWERS
Delivery By : KEVIN FLOWERS
Work Order :
Purchase Order :

Analysis				<u>Laboratory Analysis</u>				<u>Quality Assurance</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
12/21	1050	SLK	Chemical Oxygen Demand, L	9.42 mg/L			EPA 410.3	<u>% RPD</u>	<u>% Recovery</u>
12/22	0950	RRJ	Oil & Grease, Total	< 5.00 mg/L			EPA 1664 B	0.00	110.0 *
12/20	1010	KF	pH	6.6 S.U.			SM 2011 4500-H+B	0.00	100.0 *
12/27	1252	RRJ	Solids, Total Suspended	< 5.00 mg/L			SM 2011 2540 D	0.00	N/A *

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Signature


Environmental Services Co., Inc.

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MP

ATTACHMENT 3

December 7, 2022 Sample Re-Analysis

This attachment includes the following:

- ▶ January 20, 2023 letter from ESC to Holcim
- ▶ ESC amended analytical report for samples taken at Outfall SW-201 and SW-202 on December 7, 2022 (not including COD)



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Springdale, Arkansas

479-750-1170

Friday, January 20, 2023

Mr. Alex Mathis
Holcim
1406 Highway 370N Box 710
Prescott, AR 71857

Re: Revised laboratory report

Dear Mr. Mathis:

Thank you for allowing us to provide you with your environmental support services. We appreciate the opportunity.

As follow-up to our conversation yesterday, ESC has resubmitted revised test reports for the samples affected. Reports were erroneously released that should not have been. Those reports included COD data that did not pass our stringent quality assurance protocol so the COD data is not reliable and is biased high. The samples in question were reran out of holding time and indicated COD values of 39.9 mg/L (2212010176) and 32.2 mg/L (2212010180). We apologize for any inconvenience this may have caused and want to assure you that the analyst who made the mistake fully understands his error. We have implemented corrective action so that this should not be a problem in the future.

Sincerely,

A handwritten signature in black ink, appearing to read 'Debra Woosley', is written over a horizontal line.

Debra B. Woosley
Chief Executive Officer

Environmental Services Company, Inc.

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Control Number: 2212010176
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 01/11/23

Sample Date : 12/07/22
Sample Time : 1019
Sample Type : GRAB STORMWATER
Sample From : SW-201 PPS

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
12/08	1000	JTK	BOD, 5-day	2.8 mg/L			0.00	99.4 *
12/16	0312	WP	Beryllium	< 0.50 ug/L			6.77	86.0
12/29	2156	WP	Boron	< 0.0250 mg/L			3.00	109.0 *
12/08	1305	NTR	Color (Apparent)	5.000 C.U.			0.00	N/A
12/14	0435	NTR	Cyanide Total (as CN)	< 10.0 ug/L			0.00	107.5
01/04	1448	SLK	Fluoride	0.166 mg/L			0.00	95.0
12/29	2156	WP	Magnesium	0.6140 mg/L			3.60	97.4 *
12/29	2156	WP	Aluminum	0.4450 mg/L			4.83	99.7 *
01/04	1051	SLK	Nitrogen, Total	1.75 mg/L			0.00	103.0
12/14	0258	WP	Mercury, low level	< 0.500 ng/L			20.36	104.0 *
12/09	0505	NTR	Total Kjeldahl Nitrogen	1.7 mg/L			2.08	94.4 *
12/12	1155	RRJ	Oil & Grease, Total	< 5.00 mg/L			0.00	100.0 *
12/14	0510	NTR	Organic Carbon, Total	< 1.500 mg/L			0.00	101.0
12/29	2156	WP	Titanium	0.01 mg/L			2.69	97.0 *
12/07	1022	NTR	pH	7.8 S.U.			0.00	N/A
12/16	0312	WP	Chromium	< 10.00 ug/L			0.32	95.0 *
12/08	0510	NTR	Phosphorus, Total (as P)	0.0900 mg/L			0.98	102.2 *
12/29	2156	WP	Manganese	0.019 mg/L			5.48	96.9 *
12/29	2156	WP	Iron	0.3490 mg/L			3.98	91.0 *
12/29	2156	WP	Cobalt	< 0.01 mg/L			4.22	93.1 *

* QA data shown is from a different sample or standard on the same date.

Report for Control Number: 2212010176 Continued on Next Page

Customer Name : HOLCIM-PRESCOTT 201-SW
Control Number: 2212010176

Page 2

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
12/10	1200	DL	Solids, Total Suspended	7.00 mg/L			SM 2011 2540 D	2.82	N/A
12/16	0312	WP	Nickel	1.39 ug/L			EPA 200.8	0.78	99.0 *
12/16	0312	WP	Copper	4.54 ug/L			EPA 200.8	3.73	106.0 *
12/16	0312	WP	Zinc	118.00 ug/L			EPA 200.8	1.20	91.0 *
12/16	0312	WP	Arsenic	< 0.50 ug/L			EPA 200.8	5.56	100.0 *
12/16	0312	WP	Selenium	< 5.00 ug/L			EPA 200.8	5.09	91.0 *
12/07	1022	NTR	Temperature	19.40 °C			SM 2000 2550 B	0.51	N/A
12/29	2156	WP	Molybdenum	0.1140 mg/L			EPA 200.8	0.94	94.3 *
12/08	0610	NTR	Chromium, Hexavalent	< 10.00 ug/L			SM 2009 3500-Cr B	11.76	111.0
12/16	0312	WP	Silver	< 0.5 ug/L			EPA 200.8	0.97	103.0 *
12/16	0312	WP	Cadmium	< 0.50 ug/L			EPA 200.8	0.52	96.0 *
12/29	2156	WP	Tin	< 0.01 mg/L			EPA 200.8	0.79	96.0 *
12/16	0312	WP	Antimony	< 60.00 ug/L			EPA 200.8	2.04	92.0 *
12/29	2156	WP	Barium	0.0220 mg/L			EPA 200.8	3.42	96.0 *
12/16	0312	WP	Thallium	< 0.500 ug/L			EPA 200.8	0.98	102.0 *
12/16	0312	WP	Lead	0.87 ug/L			EPA 200.8	1.17	100.0 *
12/13	1324	SLK	Nitrate + Nitrite	< 0.30 mg/L			HACH 10206	0.00	101.0 *
12/14	0405	NTR	Phenolics, Low Range	< 5.000 ug/L			EPA 420.1	0.00	110.0

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature


Environmental Services Co., Inc.

AEQ

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Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2212010177
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1019
Sample Type : GRAB STORMWATER
Sample From : SAMPLE DUPLICATE

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time By						% RPD	% Recovery
12/14	0305 WP	Mercury, low level	< 0.500 ng/L			EPA 1631E	20.36	104.0 *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

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Control Number: 2212010178
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1010
Sample Type : GRAB WATER
Sample From : EQUIPMENT BLANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time By						% RPD	% Recovery
12/14	0305 WP	Mercury, low level	< 0.500 ng/L			EPA 1631E	20.36	104.0 *
* QA data shown is from a different sample or standard on the same date.								

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature 
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Control Number: 2212010179
Customer Name : HOLCIM-PRESCOTT 201-SW
Customer/Permit No. : 450 / AR0000612 201
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1007
Sample Type : GRAB WATER
Sample From : FIELD BLANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis

Analysis

<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>
12/14	0305	WP	Mercury, low level	1.890 ng/L			EPA 1631E

Quality Assurance

Precision	Accuracy
% RPD	% Recovery
20.36	104.0 *

* QA data shown is from a different sample or standard on the same date.

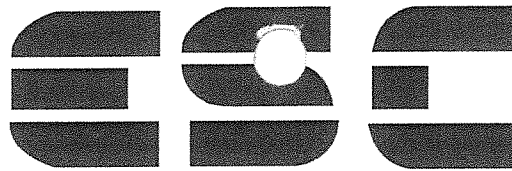
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

AEG

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website: www.esclabs.com



Springdale, Arkansas
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Carlsbad, New Mexico
575-887-1ESC

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters							
Client: Holcim						Permit/Project #:					Hexavalent Cr (44.PS)	Phenolics (99.PS)	Metals* (See Comments Section)	Volatiles (82.0)	BNA (98.AA), Dioxin(1.E)	Fluoranthene (PPS level)	Cn (9.PS)	Mercury(16.31)
Address: 1406 Highway 371 North						Purchase Order #:												
Prescott, AR 71857						Work order #												
Phone: 870-887-1487						Sampler Name(s): Ned Ryerson												
Fax: 870-887-1452						and Signature(s): <i>Ned Ryerson</i>												
Contact: Mr. James Mathis																		
ESC Client Number: 450																		
Sample Identification		Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
Priority Pollutant Scan	2212010176	12-7-22	1019	Grab	Stormwater	Plastic	8 oz	Cool ≤ 6° C	1	X								
(PPS)				Grab	Stormwater	Glass	1 L Amber	Cool <6° C, h2so4 TO Ph <2	1		X							
				Grab	Stormwater	Plastic	8 oz	HNO3 to pH <2	2			X						
				Grab	Stormwater	Glass	1 Liter	Cool ≤ 6° C	4				X	X				
				Grab	Stormwater	Plastic	1 Liter	Cool <6° C, NaOH to pH > 10	1							X		
				Grab	Stormwater	VOA	40 mls	Cool ≤ 6° C	3			X						
				Grab	Stormwater	Glass	1 L Amber	Cool ≤ 6° C	3									
				Grab	Stormwater	Glass	250 ml	None	1								X	
Sample Duplicate	2212010177	12-7-22	1019	Grab	Stormwater	Glass	250 ml	None	1								X	
Equipment Blank	2212010178	12-7-22	1010	Grab	Water	Glass	250 ml	None	1								X	
Field Blank	2212010179	12-7-22	1009	Grab	Water	Glass	250 ml	None	1								X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:									
									Used? ☒ Intact? ☐									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround:									
									Regular ☒ Special ☐									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:									
<i>Ned Ryerson</i>		12-7-22	1440	<i>John T. Hoff</i>			12/7/22	1440	Yes ☒ No ☐									
Comments: Dioxin Screening/PPS Levels for all. (Form Included)				Blow Data		Field Test		Time	Analyst	Result	Result	Units						
Metals: Be (4.PS), Cr (24.PS), Ni (28.PS),																		
Cu (29.PS), Zn (30.PS), As (33.PS), Se (34.PS),																		
Ag (47.PS), Cd (48.PS), Sb (51.PS), Tl (81.PS),																		
Pb (82.PS), Metal Digestion (00.MD)																		



This Document is Page 2 of 2

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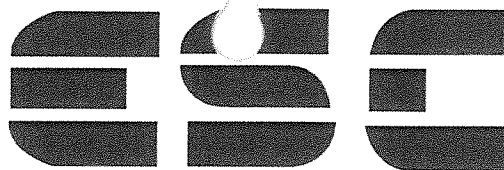
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CHAIN OF CUSTODY

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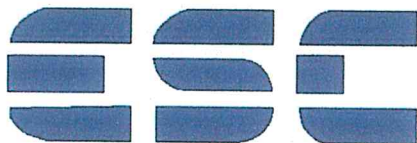
575-887-1372

Albuquerque, New Mexico

888-372-3477

Client Information						Project Information					Requested Parameters											
Client: Holcim						Permit/Project #: Permit Renewal					BOD (3.), TSS (28.) Bromide (5.), Color(8.), Fluoride (11.) Oil & Grease (21.) Ammonia (15.A), NO3+NO2(91.) TKN(16.C), Phosphorus (25.) Metals (See Comments) COD (6.), T. Nitrogen (15.C) TOC (22.)											
Address: 1406 Highway 371 North						Purchase Order #:																
Prescott, AR 71857						Work Order #:																
Phone: 870-887-1487						Sampler Name(s): Ned Ryerson																
Fax: 870-887-1452						and Signature(s): Ned Ryerson																
Contact: Mr. James Mathis																						
ESC Client Number: 450																						
Sample Identification		Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
SW-201	2012010176	12-7-22	1019	Grab	Stormwater	Plastic	1/2 gal.	Cool ≤ 6°C	1	X												
				Grab	Stormwater	Plastic	1 Liter	Cool ≤ 6°C	1		X											
				Grab	Stormwater	Glass	250 mls	Cool < 6° C, H2SO4 to pH < 2	1			X										
				Grab	Stormwater	Plastic	1 Liter	Cool < 6° C, H2SO4 to pH < 2	1				X	X			X					
				Grab	Stormwater	Plastic	8 oz.	HNO3	1						X							
				Grab	Stormwater	VOA	40 mls	Cool < 6° C, H2SO4 to pH < 2	1											X		
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? ☒ Intact? ☐														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Regular ☒ Special ☐														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Yes ☒ No ☐														
Comments:		Flow Data		Field Test		Time		Analyst		Result		Result		Units								
Metals: Al (13.HW), Ba (56.HW), B(5.HW), Co(27.HW), Fe(26.HW), Mg(12.HW),				pH		10.22		NDR		7.8		7.8		SU								
Mo(42.HW), Mn(25.HW), Sn(50.HW), Ti(22.HW), 00.MD				Temp.		10.22		NDR		19.4		19.5		Degrees C								
				Reading:																		
				Units:																		
				Chlorinated? Y N												This Document is Page 1 of 2						

DMP



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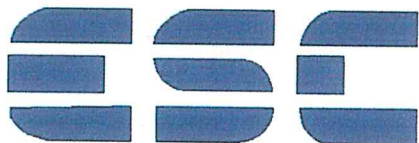
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LABORATORY REPORT

Client:	Holcim	Sample Date:	12/07/22
Control Number:	2212010180	Sample Time:	1044
Sample Type:	Grab Wastewater	Receipt Date:	12/07/22
Sample Identification	Priority Pollutant Scan (SW-202)	Report Date:	1/6/22

BASE/NEUTRAL EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzidine	ND	50
Benzo(a)anthracene	ND	5
Benzo(a)pyrene	ND	5
Benzo(b)fluoranthene	ND	10
Benzo(ghi)perylene	ND	20
1,4 Benzofluoranthene	ND	5
Bis(2-chloroethoxy)methane	ND	10
Bis(2-chloroethyl)ether	ND	10
Bis(2-chloroisopropyl)ether	ND	10
Bis(2-ethylhexyl)phthalate	ND	10.1
4-Bromophenyl phenyl ether	ND	10
Butyl benzyl phthalate	ND	10
2-Chloronaphthalene	ND	10
4-Chlorophenyl phenyl ether	ND	10
Chrysene	ND	5
Dibenzo(a,h)anthracene	ND	5
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3'-Dichlorobenzidine	ND	10.1
Diethyl phthalate	ND	10
Dimethyl phthalate	ND	10
Di-n-butyl phthalate	ND	10
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Di-n-octyl phthalate	ND	10
1,2-Diphenylhydrazine	ND	20
Fluoranthene	ND	2.02
Fluorene	ND	10
Hexachlorobenzene	ND	5.05



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LABORATORY REPORT

Client: Holcim
Control Number: 2212010180

BASE/NEUTRAL EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (CONT.) (µg/L or ppb)

Analyte	Result	Detection Limit
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	20
Indeno(1,2,3-cd)pyrene	ND	5
Isophorone	ND	10
Naphthalene	ND	10
Nitrobenzene	ND	10
N-nitrosodimethylamine	ND	50
N-nitrosodi-n-propylamine	ND	20
N-nitrosodiphenylamine	ND	20
Phenanthrene	ND	10
Pyrene	ND	10
1,2,4-Trichlorobenzene	ND	10

BASE/NEUTRAL EXTRACTABLE QUALITY ASSURANCE DATA

Method: EPA 625.1

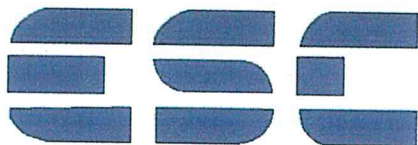
System Monitoring Compounds	% Recovery	% Recovery Limits
Nitrobenzene-d ₅	52.7%	29-105
2-Fluorobiphenyl	53.8%	30-107
p-Terphenyl-d ₁₄	69.1%	30-130

Analysis Date: 12/15/22
Analysis Time: 0336
Analyst: WPT

A laboratory blank was monitored for all analytes of interest.

Data Release authorized by:


Ned Ryerson, Laboratory Manager



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LABORATORY REPORT

Client: Holcim
Control Number: 2212010180

ACID EXTRACTABLE SEMI-VOLATILE TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
2-Chlorophenol	ND	10
2,4-Dichlorophenol	ND	10
2,4-Dimethylphenol	ND	10
4,6-Dinitro-2-methylphenol	ND	50
2,4-Dinitrophenol	ND	50
2-Nitrophenol	ND	20
4-Nitrophenol	ND	50
4-Chloro-3-methylphenol	ND	10
Pentachlorophenol	ND	5.05
Phenol	ND	10
2,4,6-Trichlorophenol	ND	10

ACID EXTRACTABLE QUALITY ASSURANCE DATA

Method: EPA 625.1

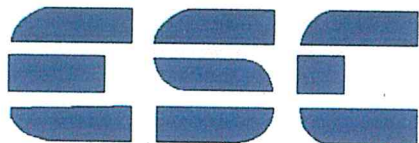
System Monitoring Compounds	% Recovery	% Recovery Limits
2-Fluorophenol	49.4%	8-88
2,4,6-Tribromophenol	66.5%	16-138
Phenol-d6	15.4%	7-58

Analysis Date: 12/15/22
Analysis Time: 0336
Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager



Environmental Services Company, Inc.

Corporate Office

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Carlsbad, New Mexico

575-887-7-ESC (372)

Springdale, Arkansas

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LABORATORY REPORT

Client:	Holcim	Sample Date:	12/07/22
Control Number:	2212010180	Sample Time:	1044
Sample Type:	Grab Wastewater	Receipt Date:	12/07/22
Sample Identification	Priority Pollutant Scan	Report Date:	1/6/22

ANALYTES OF INTEREST (µg/L or ppb)

Analyte	Result	Detection Limit
2,3,7,8-TCDD (Dioxin) (Screen)	ND	1.03

QUALITY ASSURANCE DATA

Method: EPA 625.1

Analysis Date: 12/16/22

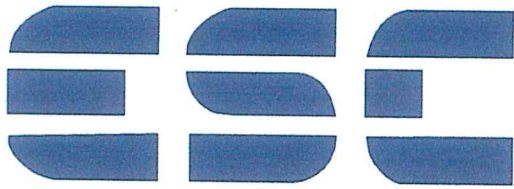
Analysis Time: 0100

Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager



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Albuquerque, New Mexico

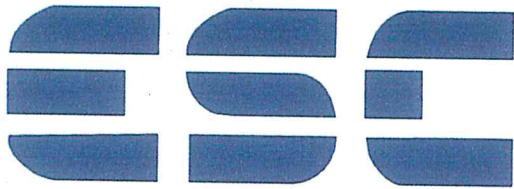
888-ESC-FIRST (372-3477)

LABORATORY REPORT

Client:	Holcim	Sample Date:	12/07/22
Control Number:	2212010180	Sample Time:	1044
Sample Type:	Grab Wastewater	Receipt Date:	12/07/22
Sample Identification	Priority Pollutant Scan	Report Date:	1/6/22

VOLATILE ORGANIC TARGET COMPOUNDS (µg/L or ppb)

Analyte	Result	Detection Limit
1,1,1-trichloroethane	ND	10
1,1,2,2-tetrachloroethane	ND	10
1,1,2-trichloroethane	ND	10
1,1-dichloroethane	ND	10
1,1-dichloroethene	ND	10
1,2-dichloroethane	ND	10
1,2-dichloropropane	ND	10
1,3-Dichloropropene	ND	10
2-chloroethyl vinyl ether	ND	10
Acrolein	ND	50
Acrylonitrile	ND	20
Benzene	ND	10
Bromodichloromethane	ND	10
Bromoform	ND	10
Bromomethane	ND	50
Carbon Tetrachloride	ND	2
Chlorobenzene	ND	10
Chloroethane	ND	50
Chloroform	ND	10
Chloromethane	ND	50
Dibromochloromethane	ND	10
Ethylbenzene	ND	10
Methylene chloride	ND	20
Tetrachloroethene	ND	10
Toluene	ND	10
trans-1,2-dichloroethene	ND	10
Trichloroethene	ND	10
Vinyl chloride	ND	10



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Carlsbad, New Mexico

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Albuquerque, New Mexico

888-ESC-FIRST (372-3477)

LABORATORY REPORT

Client: Holcim
Control Number: 2212010180

QUALITY ASSURANCE DATA

Method: EPA 624.1

System Monitoring Compounds

	<u>% Recovery</u>	<u>% Recovery Limits</u>
Dibromofluoromethane	127.0%	70-128
Toluene-d ₈	114.0%	70-130
4-Bromofluorobenzene	111.0%	71-131
1,2-Dichloroethane-d ₄	105.0%	67-136

Analysis Date: 12/18/22
Analysis Time: 1209
Analyst: WPT

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager

Environmental Services Company, Inc.

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Control Number: 2212010180
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 01/11/23

Sample Date : 12/07/22
Sample Time : 1044
Sample Type : GRAB STORMWATER
Sample From : SW-202 PPS

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
12/08	1000	JTK	BOD, 5-day	< 2.0 mg/L		SM 2011 5210 B	0.00	99.4 *
12/15	0239	WP	Beryllium	< 0.50 ug/L		EPA 200.8	1.62	87.0 *
12/15	0239	WP	Bromide (as Br)	< 0.100 mg/L		EPA 320.1	3.20	101.0 *
12/29	2156	WP	Boron	< 0.0250 mg/L		EPA 200.8	3.00	109.0 *
12/08	1305	NTR	Color (Apparent)	10.000 C.U.		SM 2001 2120 B	0.00	N/A *
12/14	0435	NTR	Cyanide Total (as CN)	< 10.0 ug/L		SM 1999 4500-CN F	0.00	107.5 *
01/04	1448	SLK	Fluoride	0.207 mg/L		SM 2011 4500-F D	0.00	95.0 *
12/29	2156	WP	Magnesium	1.0100 mg/L		EPA 200.8	3.60	97.4 *
12/29	2156	WP	Aluminum	0.1830 mg/L		EPA 200.8	4.83	99.7 *
01/04	1051	SLK	Nitrogen, Total	1.55 mg/L		SM 1997 TKN+NH3	0.00	103.0 *
12/14	0336	WP	Mercury, low level	< 0.500 ng/L		EPA 1631E	20.36	104.0 *
12/09	0505	NTR	Total Kjeldahl Nitrogen	0.8 mg/L		02/2014 HACH 10242	2.08	94.4 *
12/12	1155	RRJ	Oil & Grease, Total	5.80 mg/L		EPA 1664 B	0.00	100.0 *
12/14	0510	NTR	Organic Carbon, Total	< 1.500 mg/L		SM 2000 5310 B	0.00	101.0 *
12/29	2156	WP	Titanium	0.01 mg/L		EPA 200.8	2.69	97.0 *
12/07	1047	NTR	pH	7.4 S.U.		SM 2011 4500-H+B	0.00	N/A *
12/15	0239	WP	Chromium	< 10.00 ug/L		EPA 200.8	1.43	99.0 *
12/08	0510	NTR	Phosphorus, Total (as P)	0.3360 mg/L		EPA 365.1	0.98	102.2 *
12/29	2156	WP	Manganese	0.043 mg/L		EPA 200.8	5.48	96.9 *
12/29	2156	WP	Iron	0.5200 mg/L		EPA 200.8	3.98	91.0 *

* QA data shown is from a different sample or standard on the same date.

Customer Name : HOLCIM-PRESCOTT 202-SW
Control Number: 2212010180

Page 2

Analysis			Laboratory Analysis				Quality Assurance		
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
12/29	2156	WP	Cobalt	< 0.01 mg/L			EPA 200.8	4.22	93.1 *
12/10	1200	DL	Solids, Total Suspended	8.30 mg/L			SM 2011 2540 D	2.82	N/A *
12/15	0239	WP	Nickel	0.61 ug/L			EPA 200.8	3.78	101.0 *
12/15	0239	WP	Copper	0.73 ug/L			EPA 200.8	0.38	97.0 *
12/15	0239	WP	Zinc	33.40 ug/L			EPA 200.8	1.75	101.0 *
12/15	0239	WP	Arsenic	< 0.50 ug/L			EPA 200.8	2.04	97.0 *
12/15	0239	WP	Selenium	< 5.00 ug/L			EPA 200.8	1.67	89.0 *
12/07	1047	NTR	Temperature	19.20 °C			SM 2000 2550 B	0.51	N/A *
12/29	2156	WP	Molybdenum	0.0066 mg/L			EPA 200.8	0.94	94.3 *
12/08	0610	NTR	Chromium, Hexavalent	< 10.00 ug/L			SM 2009 3500-Cr B	11.76	111.0 *
12/15	0239	WP	Silver	< 0.5 ug/L			EPA 200.8	3.59	90.0 *
12/15	0239	WP	Cadmium	< 0.50 ug/L			EPA 200.8	2.57	99.0 *
12/29	2156	WP	Tin	< 0.01 mg/L			EPA 200.8	0.79	96.0 *
12/15	0239	WP	Antimony	< 60.00 ug/L			EPA 200.8	0.24	84.0 *
12/29	2156	WP	Barium	0.0189 mg/L			EPA 200.8	3.42	96.0 *
12/15	0239	WP	Thallium	< 0.500 ug/L			EPA 200.8	3.42	98.0 *
12/15	0239	WP	Lead	< 0.50 ug/L			EPA 200.8	1.25	97.0 *
12/13	1324	SLK	Nitrate + Nitrite	0.39 mg/L			HACH 10206	0.00	101.0 *
12/14	0405	NTR	Phenolics, Low Range	< 5.000 ug/L			EPA 420.1	0.00	110.0 *

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature


Environmental Services Co., Inc.

Environmental Services Company, Inc.

Corporate Office
13715 West Markham
Little Rock, AR 72211
Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2212010181
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR00000612 202
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1044
Sample Type : GRAB STORMWATER
Sample From : SAMPLE DUPLICATE

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
12/14	0336	WP	Mercury, low level	0.663 ng/L			EPA 1631E	% RPD	% Recovery
								20.36	104.0 *

* QA data shown is from a different sample or standard on the same date.

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Control Number: 2212010182
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 01/09/23

Sample Date : 12/07/22
Sample Time : 1039
Sample Type : GRAB WATER
Sample From : EQUIPMENT BLANK

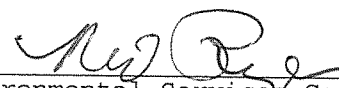
Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Analysis							Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method		Precision	Accuracy
12/14	0305	WP	Mercury, low level	< 0.500 ng/L			EPA 1631E		% RPD	% Recovery

* QA data shown is from a different sample or standard on the same date.

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Signature


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Control Number: 2212010183
Customer Name : HOLCIM-PRESCOTT 202-SW
Customer/Permit No. : 452 / AR0000612 202
Report Date : 12/15/22

Sample Date : 12/07/22
Sample Time : 1037
Sample Type : GRAB WATER
Sample From : FIELD BLANK

Collected By: NTR
Delivery By : NTR
Work Order :
Purchase Order :

Laboratory Analysis						Quality Assurance	
Analysis		Parameter	Result	Notes	Quantity	Method	Precision
Date	Time By						Accuracy
12/14	0336 WP	Mercury, low level	0.874 ng/L			EPA 1631E	% RPD
							% Recovery
							20.36
							104.0 *

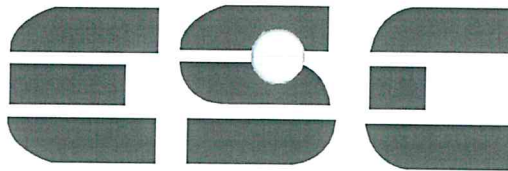
* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature


Environmental Services Co., Inc.

AEg

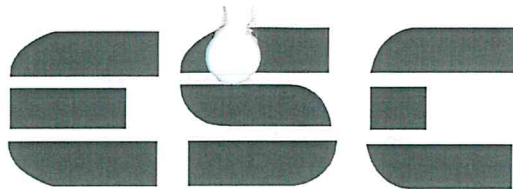


CHAIN OF CUSTODY

Client Information				Project Information				Requested Parameters														
Client:	Holcim			Permit/Project #:				Hexavalent Cr (44.PS) Phenolics (99.PS) Metals* (See Comments Section) Volatiles (82.0) BNA (98.AA) ,Dioxin(1.E) Fluoranthene (PPS level) Cn (9.PS) Mercury(16.31)														
Address:	1406 Highway 371 North			Purchase Order #:																		
	Prescott, AR 71857			Work order #																		
Phone:	870-887-1487			Sampler Name(s):																		
Fax:	870-887-1452			and Signature(s):																		
Contact:	Mr. James Mathis																					
ESC Client Number:	452																					
Sample Identification		Sample Collection				Sample Containers																
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#													
Priority Pollutant Scan (PPS)	2212010180	12-7-22	1044	Grab	Stormwater	Plastic	8 oz	Cool ≤ 6° C	1	X												
				Grab	Stormwater	Glass	1 L Amber	Cool <6° C, h2so4 TO Ph <2	1		X											
				Grab	Stormwater	Plastic	8 oz	HNO3 to pH <2	2			X										
				Grab	Stormwater	Glass	1 Liter	Cool ≤ 6° C	4					X	X							
				Grab	Stormwater	Plastic	1 Liter	Cool <6° C, NaOH to pH > 10	1								X					
				Grab	Stormwater	VOA	40 mls	Cool ≤ 6° C	3				X									
				Grab	Stormwater	Glass	1 L Amber	Cool ≤ 6° C	3													
Sample Duplicate	2212010181	12-7-22	1044	Grab	Stormwater	Glass	250 ml	None	1													X
Equipment Blank	2212010182	12-7-22	1039	Grab	Water	Glass	250 ml	None	1													X
Field Blank	2212010183	12-7-22	1037	Grab	Water	Glass	250 ml	None	1													X
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:														
								Used? ☒ Intact? ☐														
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:														
								Regular ☒ Special ☐														
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:														
[Signature] - Ned Ryerson		12-7-22	1440	[Signature]		12/7/22	1440	Yes ☒ No ☐														
Comments: Dioxin Screening/PPS Levels for all. (Form Included)				Flow Data		Field Test	Time	Analyst	Result	Result	Units											
Metals: Be (4.PS), Cr (24.PS), Ni (28.PS),				Analyst:																		
Cu (29.PS), Zn (30.PS), As (33.PS), Se (34.PS),				Time:																		
Ag (47.PS), Cd (48.PS), Sb (51.PS), Tl (81.PS),				Reading:																		
Pb (82.PS), Metal Digestion (00.MD)				Units:																		



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website: www.esclabs.com
Phone: 501-221-2565 Fax: 501-221-1341



CHAIN OF CUSTODY

Springdale, Arkansas
479-750-1170
Carlsbad, New Mexico
575-887-1372
Albuquerque, New Mexico
888-372-3477

Client Information						Project Information					Requested Parameters										
Client:		Holcim				Permit/Project #:		Permit Renewal			BOD (3.), TSS (28.)	Epoxide (5.), Color(8.), Fluoride (11.),	Oil & Grease (21.)	Ammonia (15.A), NO3+NO2(91)	TKN(16.C), Phosphorus (25.)	Metals (See Comments)	COD (6.), T. Nitrogen (15.C)	TOC (22.)			
Address:		1406 Highway 371 North				Purchase Order #:															
		Prescott, AR 71857				Work Order #															
Phone:		870-887-1487				Sampler Name(s):		Ned Ryerson													
Fax:		870-887-1452				and Signature(s):		[Signature]													
Contact:		Mr. James Mathis																			
ESC Client Number:		452																			
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
SW-202	222010180	12-7-22	1044	Grab	Stormwater	Plastic	1/2 gal.	Cool $\leq 6^{\circ}\text{C}$	1	X											
				Grab	Stormwater	Plastic	1 Liter	Cool $\leq 6^{\circ}\text{C}$	1		X										
				Grab	Stormwater	Glass	250 mls	Cool $< 6^{\circ}\text{C}$, H2SO4 to pH ≤ 2	1			X									
				Grab	Stormwater	Plastic	1 Liter	Cool $< 6^{\circ}\text{C}$, H2SO4 to pH ≤ 2	1				X	X		X					
				Grab	Stormwater	Plastic	8 oz.	HNO3	1						X						
				Grab	Stormwater	VOA	40 mls	Cool $< 6^{\circ}\text{C}$, H2SO4 to pH ≤ 2	1							X					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? ☒ Intact? ☐													
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround: Regular ☒ Special ☐													
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved: Yes ☒ No ☐													
Comments:		Flow Data		Field Test		Time	Analyst	Result	Result	Units											
Metals: Al (13.HW), Ba (56.HW), B(5.HW), Co(27.HW), Fe(26.HW), Mg(12.HW),		Analyst:		pH		1047	NED	7.4	7.4	SU											
Mo(42.HW), Mn(25.HW), Sn(50.HW), Ti(22.HW), 00.MD		Time:		Temp.		1047	NED	19.2	19.2	Degrees C											
		Reading:																			
		Units:																			
		Chlorinated? Y N						This Document is Page 1 of 2													

ATTACHMENT 4

Recorded Flow Rate Data

The recorded flow rates for all discharges in December 2022 are provided in the table below.

SW-201

Date of Discharge	Engine Run Time (hrs)	Gal per hr	Gallons per run time		Flow per Event (mgd)	
12/9/2022	13.75	72,000	990,000		0.99	
12/10/2022	23	72,000	1,656,000		1.66	
12/20/2022	14	72,000	1,008,000		1.01	
			1,827,000	Monthly Average	1.83	
			2,646,000	Flow Max	3.65	Total million gallons

SW-202

Date of Discharge	Engine Run Time (hrs)	Gal per hr	Gallons per run time		Flow per Event (mgd)	
12/9/2022	13.75	36,000	495,000		0.50	
12/10/2022	24	36,000	1,560,000		1.56	
12/11/2022	4	36,000	260,000		0.26	
12/20/2022	14.5	36,000	942,500		0.94	
12/21/2022	3	36,000	195,000		0.20	
			493,214	Monthly Average	0.58	
			0.86	Flow Max	3.45	Total million gallons

ATTACHMENT 5

Updated NPDES Forms

This attachment includes the following:

- ▶ USEPA Form 2C, Outfall SW-201
- ▶ USEPA Form 2C, Outfall SW-202
- ▶ USEPA Form 2F, Outfall SW-201
- ▶ USEPA Form 2F, Outfall SW-202
- ▶ DEQ Form PPS, Outfall SW-201
- ▶ DEQ Form PPS, Outfall SW-202

EPA Identification Number FRS 110000606657		NPDES Permit Number AR0000612	Facility Name Holcim Solutions and Products	Form Approved 03/05/19 OMB No. 2040-0004
Form 2C NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS		
SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))				
Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.		
		Outfall Number	Receiving Water Name	Latitude
				Longitude
	201	Garland Creek tributary	33° 48' 45.7" N	93° 24' 34.4" W
	202	Pine Creek tributary	33° 48' 37.9" N	93° 24' 47.6" W
			° ' "	° ' "
SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))				
Line Drawing	2.1	Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C-1 at end of instructions for example.) ☒ Yes ☐ No		
SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))				
Average Flows and Treatment	3.1	For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.		
		Outfall Number 201		
		Operations Contributing to Flow		
		Operation	Average Flow	
		Treated Stormwater	0.96 mgd	
			mgd	
			mgd	
			mgd	
		Treatment Units		
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
		1.4 ac variable flow Retention Pond	4-A	N/A

EPA Identification Number FRS 110000606657		NPDES Permit Number AR0000612	Facility Name Holcim Solutions and Products	Form Approved 03/05/19 OMB No. 2040-0004
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Average Flows and Treatment Continued	3.1 cont.	**Outfall Number** 202		
		Operations Contributing to Flow		
		Operation	Average Flow	
		Treated	0.81 mgd	
			mgd	
			mgd	
			mgd	
		Treatment Units		
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
		1.1 ac variable flow Retention Pond	4-A	N/A
		Outfall Number		
		Operations Contributing to Flow		
		Operation	Average Flow	
			mgd	
			mgd	
			mgd	
			mgd	
		Treatment Units		
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
System Users	3.2	Are you applying for an NPDES permit to operate a privately owned treatment works? ☐ Yes ☒ No → SKIP to Section 4.		
	3.3	Have you attached a list that identifies each user of the treatment works? ☐ Yes ☐ No		

EPA Identification Number FRS 110000606657	NPDES Permit Number AR0000612	Facility Name Holcim Solutions and Products	Form Approved 03/05/19 OMB No. 2040-0004
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SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows	4.1	Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? ☐ Yes ☒ No → SKIP to Section 5.						
	4.2	Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.						
				Frequency		Flow Rate		
				Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	Duration
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days

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

Applicable ELGs	5.1	Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? ☒ Yes ☐ No → SKIP to Section 6.		
	5.2	Provide the following information on applicable ELGs.		
		ELG Category	ELG Subcategory	Regulatory Citation
		Rubber Manufacturing	Large-Sized General Molded, Extruded, and Fabricated	40 CFR 428 Subpart G
			Rubber Plants	
Production-Based Limitations	5.3	Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? ☒ Yes ☐ No → SKIP to Section 6.		
	5.4	Provide an actual measure of daily production expressed in terms and units of applicable ELGs.		
		Outfall Number	Operation, Product, or Material	Quantity per Day
		N/A	EPDM	1,291,062

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

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

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

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

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Effluent and Intake Characteristics Continued	7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? ☒ Yes ☐ No									
	7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? ☒ Yes ☐ No									
	7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? ☒ Yes ☐ No									
	7.10	Does the applicant qualify for a small business exemption under the criteria specified in the instructions? ☐ Yes → Note that you qualify at the top of Table B, then SKIP to Item 7.12. ☒ No									
	7.11	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? ☒ Yes ☐ No									
	Table C. Certain Conventional and Non-Conventional Pollutants										
	7.12	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? ☒ Yes ☐ No									
	7.13	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? ☒ Yes ☐ No									
	Table D. Certain Hazardous Substances and Asbestos										
	7.14	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? ☒ Yes ☐ No									
	7.15	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? ☒ Yes ☐ No									
	Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)										
	7.16	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? ☐ Yes → Complete Table E. ☒ No → SKIP to Section 8.									
	7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? ☐ Yes ☐ No									
SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))											
Used or Manufactured Toxics	8.1	Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct? ☐ Yes ☒ No → SKIP to Section 9.									
	8.2	List the pollutants below. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33.33%; border-bottom: 1px solid black;">1.</td> <td style="width: 33.33%; border-bottom: 1px solid black;">4.</td> <td style="width: 33.33%; border-bottom: 1px solid black;">7.</td> </tr> <tr> <td style="border-bottom: 1px solid black;">2.</td> <td style="border-bottom: 1px solid black;">5.</td> <td style="border-bottom: 1px solid black;">8.</td> </tr> <tr> <td style="border-bottom: 1px solid black;">3.</td> <td style="border-bottom: 1px solid black;">6.</td> <td style="border-bottom: 1px solid black;">9.</td> </tr> </table>	1.	4.	7.	2.	5.	8.	3.	6.	9.
	1.	4.	7.								
	2.	5.	8.								
	3.	6.	9.								

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

Biological Toxicity Tests	9.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge? ☐ Yes ☒ No → SKIP to Section 10.						
	9.2	Identify the tests and their purposes below.						
		Test(s)		Purpose of Test(s)		Submitted to NPDES Permitting Authority?		Date Submitted
						☐ Yes ☐ No		
						☐ Yes ☐ No		
				☐ Yes ☐ No				

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

Contract Analyses	10.1	Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm? ☒ Yes ☐ No → SKIP to Section 11.						
	10.2	Provide information for each contract laboratory or consulting firm below.						
				Laboratory Number 1		Laboratory Number 2		Laboratory Number 3
		Name of laboratory/firm		Environmental Services Company, Inc.				
		Laboratory address		13715 West Markham Street Little Rock, AR 72211				
		Phone number		(501) 221-2565				
	Pollutant(s) analyzed		Toxic metals, all GC/MS fractions					

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

Additional Information	11.1	Has the NPDES permitting authority requested additional information? ☐ Yes ☒ No → SKIP to Section 12.					
	11.2	List the information requested and attach it to this application.					
		1.			4.		
		2.			5.		
3.			6.				

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SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))			
Checklist and Certification Statement	12.1	In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.	
		Column 1	Column 2
	☒	Section 1: Outfall Location	☒ w/ attachments
	☒	Section 2: Line Drawing	☒ w/ line drawing ☐ w/ additional attachments
	☒	Section 3: Average Flows and Treatment	☒ w/ attachments ☐ w/ list of each user of privately owned treatment works
	☒	Section 4: Intermittent Flows	☒ w/ attachments
	☒	Section 5: Production	☐ w/ attachments
	☒	Section 6: Improvements	☐ w/ attachments ☐ w/ optional additional sheets describing any additional pollution control plans
	☒	Section 7: Effluent and Intake Characteristics	☐ w/ request for a waiver and supporting information ☐ w/ small business exemption request ☒ w/ Table A ☒ w/ Table B ☒ w/ Table C ☒ w/ Table D ☒ w/ Table E ☒ w/ analytical results as an attachment
	☒	Section 8: Used or Manufactured Toxics	☐ w/ attachments
	☒	Section 9: Biological Toxicity Tests	☐ w/ attachments
	☒	Section 10: Contract Analyses	☒ w/ attachments
	☒	Section 11: Additional Information	☒ w/ attachments
	☒	Section 12: Checklist and Certification Statement	☐ w/ attachments
	12.2	Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
		Name (print or type first and last name)	Official title
		Kevin Ward	Plant Manager
	Signature	Date signed	

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))¹

	Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)	
				Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐	Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.								
1.	Biochemical oxygen demand (BOD ₅)	☐	Concentration	mg/L	2.8		1		
			Mass	lb/day	40.34		1		
2.	Chemical oxygen demand (COD)	☐	Concentration	mg/L	39.2		26		
			Mass	lb/day	39.5		26		
3.	Total organic carbon (TOC)	☐	Concentration	mg/L	<1.5		1		
			Mass	lb/day	<21.61		1		
4.	Total suspended solids (TSS)	☐	Concentration	mg/L	7		1		
			Mass	lb/day	100.85		1		
5.	Ammonia (as N)	☐	Concentration						
			Mass						
6.	Flow	☐	Rate	MGD	1.73	1.07	26		
7.	Temperature (winter)	☐	°C	°C	10				
	Temperature (summer)	☐	°C	°C	22				
8.	pH (minimum)	☐	Standard units	s.u.	6.3		26		
	pH (maximum)	☐	Standard units	s.u.	8.5		26		

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

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
☐ Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.										
Section 1. Toxic Metals, Cyanide, and Total Phenols										
1.1 Antimony, total (7440-36-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<60 <0.8663		1 1		
1.2 Arsenic, total (7440-38-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0072		1 1		
1.3 Beryllium, total (7440-41-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0072		1 1		
1.4 Cadmium, total (7440-43-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0072		1 1		
1.5 Chromium, total (7440-47-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
1.6 Copper, total (7440-50-8)	☒	☒	☐	Concentration Mass	ug/L lb/day	4.54 0.0655		1 1		
1.7 Lead, total (7439-92-1)	☒	☒	☐	Concentration Mass	ug/L lb/day	0.87 0.0126		1 1		
1.8 Mercury, total (7439-97-6)	☒	☐	☒	Concentration Mass	ng/L lb/day	<0.5000 <7.20E-06		1 1		
1.9 Nickel, total (7440-02-0)	☒	☒	☐	Concentration Mass	ug/L lb/day	1.39 0.0201		1 1		
1.10 Selenium, total (7782-49-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5 <0.0722		1 1		
1.11 Silver, total (7440-22-4)	☐	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0072		1 1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12 Thallium, total (7440-28-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0072		1		
1.13 Zinc, total (7440-66-6)	☒	☒	☐	Concentration Mass	ug/L lb/day	118 1.7036		1		
1.14 Cyanide, total (57-12-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
1.15 Phenols, total	☒	☐	☒	Concentration Mass	ug/L lb/day	<5 <0.0722		1		

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

2.1 Acrolein (107-02-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		
2.2 Acrylonitrile (107-13-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1		
2.3 Benzene (71-43-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.4 Bromoform (75-25-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.5 Carbon tetrachloride (56-23-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<2.0 <0.0289		1		
2.6 Chlorobenzene (108-90-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.7 Chlorodibromomethane (124-48-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.8 Chloroethane (75-00-3)	☐	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9 2-chloroethylvinyl ether (110-75-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.10 Chloroform (67-66-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.11 Dichlorobromomethane (75-27-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.12 1,1-dichloroethane (75-34-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.13 1,2-dichloroethane (107-06-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.14 1,1-dichloroethylene (75-35-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.15 1,2-dichloropropane (78-87-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.16 1,3-dichloropropylene (542-75-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.17 Ethylbenzene (100-41-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
2.18 Methyl bromide (74-83-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1 1		
2.19 Methyl chloride (74-87-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1 1		
2.20 Methylene chloride (75-09-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1 1		
2.21 1,1,2,2-tetrachloroethane (79-34-5)	☐	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22 Tetrachloroethylene (127-18-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.23 Toluene (108-88-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.24 1,2-trans-dichloroethylene (156-60-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.25 1,1,1-trichloroethane (71-55-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.26 1,1,2-trichloroethane (79-00-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.27 Trichloroethylene (79-01-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
2.28 Vinyl chloride (75-01-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)										
3.1 2-chlorophenol (95-57-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
3.2 2,4-dichlorophenol (120-83-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
3.3 2,4-dimethylphenol (105-67-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
3.4 4,6-dinitro-o-cresol (534-52-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		
3.5 2,4-dinitrophenol (51-28-5)	☐	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6 2-nitrophenol (88-75-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1		
3.7 4-nitrophenol (100-02-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		
3.8 p-chloro-m-cresol (59-50-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
3.9 Pentachlorophenol (87-86-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<6.25 <0.0902		1		
3.10 Phenol (108-95-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
3.11 2,4,6-trichlorophenol (88-05-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		

Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)

4.1 Acenaphthene (83-32-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.2 Acenaphthylene (208-96-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.3 Anthracene (120-12-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.4 Benzidine (92-87-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		
4.5 Benzo (a) anthracene (56-55-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0722		1		
4.6 Benzo (a) pyrene (50-32-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0722		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7 3,4-benzofluoranthene (205-99-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.8 Benzo (ghi) perylene (191-24-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1 1		
4.9 Benzo (k) fluoranthene (207-08-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0722		1 1		
4.10 Bis (2-chloroethoxy) methane (111-91-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.11 Bis (2-chloroethyl) ether (111-44-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.12 Bis (2-chloroisopropyl) ether (102-80-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.13 Bis (2-ethylhexyl) phthalate (117-81-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<12.5 <0.1805		1 1		
4.14 4-bromophenyl phenyl ether (101-55-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.15 Butyl benzyl phthalate (85-68-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.16 2-chloronaphthalene (91-58-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.17 4-chlorophenyl phenyl ether (7005-72-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.18 Chrysene (218-01-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0722		1 1		
4.19 Dibenzo (a,h) anthracene (53-70-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0722		1 1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20 1,2-dichlorobenzene (95-50-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.21 1,3-dichlorobenzene (541-73-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.22 1,4-dichlorobenzene (106-46-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.23 3,3-dichlorobenzidine (91-94-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<12.5 <0.1805		1 1		
4.24 Diethyl phthalate (84-66-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.25 Dimethyl phthalate (131-11-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.26 Di-n-butyl phthalate (84-74-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.27 2,4-dinitrotoluene (121-14-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.28 2,6-dinitrotoluene (606-20-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.29 Di-n-octyl phthalate (117-84-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		
4.30 1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1 1		
4.31 Fluoranthene (206-44-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<2.5 <0.0361		1 1		
4.32 Fluorene (86-73-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1 1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33 Hexachlorobenzene (118-74-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<6.25 <0.0902		1		
4.34 Hexachlorobutadiene (87-68-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.35 Hexachlorocyclopentadiene (77-47-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.36 Hexachloroethane (67-72-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1		
4.37 Indeno (1,2,3-cd) pyrene (193-39-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0722		1		
4.38 Isophorone (78-59-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.39 Naphthalene (91-20-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.40 Nitrobenzene (98-95-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.41 N-nitrosodimethylamine (62-75-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.7219		1		
4.42 N-nitrosodi-n-propylamine (621-64-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1		
4.43 N-nitrosodiphenylamine (86-30-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2888		1		
4.44 Phenanthrene (85-01-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		
4.45 Pyrene (129-00-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent							
4.46 1,2,4-trichlorobenzene (120-82-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1444			1 1	
Section 5. Organic Toxic Pollutants (GC/MS Fraction — Pesticides)										
5.1 Aldrin (309-00-2)	☐	☐	☒	Concentration Mass						
5.2 α -BHC (319-84-6)	☐	☐	☒	Concentration Mass						
5.3 β -BHC (319-85-7)	☐	☐	☒	Concentration Mass						
5.4 γ -BHC (58-89-9)	☐	☐	☒	Concentration Mass						
5.5 δ -BHC (319-86-8)	☐	☐	☒	Concentration Mass						
5.6 Chlordane (57-74-9)	☐	☐	☒	Concentration Mass						
5.7 4,4'-DDT (50-29-3)	☐	☐	☒	Concentration Mass						
5.8 4,4'-DDE (72-55-9)	☐	☐	☒	Concentration Mass						
5.9 4,4'-DDD (72-54-8)	☐	☐	☒	Concentration Mass						
5.10 Dieldrin (60-57-1)	☐	☐	☒	Concentration Mass						
5.11 α -endosulfan (115-29-7)	☐	☐	☒	Concentration Mass						

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12 β-endosulfan (115-29-7)	☐	☐	☒	Concentration Mass						
5.13 Endosulfan sulfate (1031-07-8)	☐	☐	☒	Concentration Mass						
5.14 Endrin (72-20-8)	☐	☐	☒	Concentration Mass						
5.15 Endrin aldehyde (7421-93-4)	☐	☐	☒	Concentration Mass						
5.16 Heptachlor (76-44-8)	☐	☐	☒	Concentration Mass						
5.17 Heptachlor epoxide (1024-57-3)	☐	☐	☒	Concentration Mass						
5.18 PCB-1242 (53469-21-9)	☐	☐	☒	Concentration Mass						
5.19 PCB-1254 (11097-69-1)	☐	☐	☒	Concentration Mass						
5.20 PCB-1221 (11104-28-2)	☐	☐	☒	Concentration Mass						
5.21 PCB-1232 (11141-16-5)	☐	☐	☒	Concentration Mass						
5.22 PCB-1248 (12672-29-6)	☐	☐	☒	Concentration Mass						
5.23 PCB-1260 (11096-82-5)	☐	☐	☒	Concentration Mass						
5.24 PCB-1016 (12674-11-2)	☐	☐	☒	Concentration Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) ¹										
Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25 Toxaphene (8001-35-2)	☒	☐	☒	Concentration						
				Mass						

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

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent			Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Long-Term Average Value	Number of Analyses
☐ Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.								
☐ Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.								
1. Bromide (24959-67-9)	☐	☒	Concentration Mass	mg/l lb/day	<0.1 <1.4407		1 1	
2. Chlorine, total residual	☐	☒	Concentration Mass					
3. Color	☐	☒	Concentration Mass	CU	5		1	
4. Fecal coliform	☐	☒	Concentration Mass					
5. Fluoride (16984-48-8)	☒	☐	Concentration Mass	mg/L lb/day	0.166 2.3916		1 1	
6 Nitrate-nitrite	☐	☒	Concentration Mass	mg/L lb/day	<0.3 <4.3222		1 1	
7. Nitrogen, total organic (as N)	☒	☐	Concentration Mass	mg/L lb/day	1.75 25.2127		1 1	
8. Oil and grease	☒	☐	Concentration Mass	mg/L lb/day	8.4 8.5		27 27	
9. Phosphorus (as P), total (7723-14-0)	☒	☐	Concentration Mass	mg/L lb/day	0.09 1.2967		1 1	
10. Sulfate (as SO ₄) (14808-79-8)	☐	☒	Concentration Mass					
11. Sulfide (as S)	☐	☒	Concentration Mass					

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12. Sulfite (as SO ₃) (14265-45-3)	☐	☒	Concentration Mass						
13. Surfactants	☐	☒	Concentration Mass						
14. Aluminum, total (7429-90-5)	☐	☒	Concentration Mass	0.445 6.4112			1 1		
15. Barium, total (7440-39-3)	☒	☐	Concentration Mass	0.022 0.3170			1 1		
16. Boron, total (7440-42-8)	☐	☒	Concentration Mass	<0.025 <0.3602			1 1		
17. Cobalt, total (7440-48-4)	☐	☒	Concentration Mass	<0.01 <0.1441			1 1		
18. Iron, total (7439-89-6)	☒	☐	Concentration Mass	0.349 5.0281			1 1		
19. Magnesium, total (7439-95-4)	☐	☒	Concentration Mass	0.6140 8.8461			1 1		
20. Molybdenum, total (7439-98-7)	☒	☐	Concentration Mass	0.114 1.6424			1 1		
21. Manganese, total (7439-96-5)	☒	☐	Concentration Mass	0.019 0.2737			1 1		
22. Tin, total (7440-31-5)	☐	☒	Concentration Mass	<0.01 <0.1441			1 1		
23. Titanium, total (7440-32-6)	☒	☐	Concentration Mass	0.01 0.1441			1 1		

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi)) ¹									
Pollutant	Presence or Absence (check one)		Units (specify)	Effluent			Intake (Optional)		Number of Analyses
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Long-Term Average Value	Number of Analyses	
24. Radioactivity									
Alpha, total	☐	☒	Concentration Mass						
Beta, total	☐	☒	Concentration Mass						
Radium, total	☐	☒	Concentration Mass						
Radium 226, total	☐	☒	Concentration Mass						

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

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
	Believed Present	Believed Absent		
77. Vinyl acetate	☐	☒		
78. Xylene	☐	☒		
79. Xylenol	☐	☒		
80. Zirconium	☐	☒		

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

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TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))				
Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	☐	☐	☒	Screening indicated a non-detect

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii)) ¹									
Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)		Number of Analyses
			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses	
☐ Check here if you have applied to your NPDES permitting authority for a waiver for all of the pollutants listed on this table for the noted outfall.									
1. Biochemical oxygen demand (BOD ₅)	☐	Concentration	mg/L	<2		1			
		Mass	lb/day	26.08		1			
2. Chemical oxygen demand (COD)	☐	Concentration	mg/L	55.4		28			
		Mass	lb/day	44.1		28			
3. Total organic carbon (TOC)	☐	Concentration	mg/L	<1.5		1			
		Mass	lb/day	<19.56		1			
4. Total suspended solids (TSS)	☐	Concentration	mg/L	27.9		28			
		Mass	lb/day	22.2		28			
5. Ammonia (as N)	☐	Concentration				1			
		Mass				1			
6. Flow	☐	Rate	mgd	1.36667					
Temperature (winter)	☐	°C	°C	10					
Temperature (summer)	☐	°C	°C	22					
pH (minimum)	☐	Standard units	s.u.	6.3					
pH (maximum)	☐	Standard units	s.u.	8.5					

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

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
☐ Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.										
Section 1. Toxic Metals, Cyanide, and Total Phenols										
1.1 Antimony, total (7440-36-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<60 <0.7841		1 1		
1.2 Arsenic, total (7440-38-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0065		1 1		
1.3 Beryllium, total (7440-41-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0065		1 1		
1.4 Cadmium, total (7440-43-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0065		1 1		
1.5 Chromium, total (7440-47-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
1.6 Copper, total (7440-50-8)	☒	☒	☐	Concentration Mass	ug/L lb/day	0.73 0.0095		1 1		
1.7 Lead, total (7439-92-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0065		1 1		
1.8 Mercury, total (7439-97-6)	☒	☐	☒	Concentration Mass	ng/L lb/day	<0.5000 <6.52E-06		1 1		
1.9 Nickel, total (7440-02-0)	☒	☒	☐	Concentration Mass	ug/L lb/day	0.61 0.0080		1 1		
1.10 Selenium, total (7782-49-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5 <0.0653		1 1		
1.11 Silver, total (7440-22-4)	☐	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0065		1 1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12 Thallium, total (7440-28-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<0.5 <0.0065		1		
1.13 Zinc, total (7440-66-6)	☒	☐	☐	Concentration Mass	ug/L lb/day	33.4 0.4365		1		
1.14 Cyanide, total (57-12-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
1.15 Phenols, total	☒	☐	☒	Concentration Mass	ug/L lb/day	<5 <0.0653		1		

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

2.1 Acrolein (107-02-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
2.2 Acrylonitrile (107-13-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	20 <0.2614		1		
2.3 Benzene (71-43-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.4 Bromoform (75-25-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
2.5 Carbon tetrachloride (56-23-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<2 <0.0261		1		
2.6 Chlorobenzene (108-90-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.7 Chlorodibromomethane (124-48-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.8 Chloroethane (75-00-3)	☐	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9 2-chloroethylvinyl ether (110-75-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.10 Chloroform (67-66-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.11 Dichlorobromomethane (75-27-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.12 1,1-dichloroethane (75-34-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.13 1,2-dichloroethane (107-06-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.14 1,1-dichloroethylene (75-35-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.15 1,2-dichloropropane (78-87-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.16 1,3-dichloropropylene (542-75-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.17 Ethylbenzene (100-41-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.18 Methyl bromide (74-83-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
2.19 Methyl chloride (74-87-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
2.20 Methylene chloride (75-09-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1		
2.21 1,1,2,2-tetrachloroethane (79-34-5)	☐	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22 Tetrachloroethylene (127-18-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.23 Toluene (108-88-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.24 1,2-trans-dichloroethylene (156-60-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.25 1,1,1-trichloroethane (71-55-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.26 1,1,2-trichloroethane (79-00-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.27 Trichloroethylene (79-01-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
2.28 Vinyl chloride (75-01-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)										
3.1 2-chlorophenol (95-57-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
3.2 2,4-dichlorophenol (120-83-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
3.3 2,4-dimethylphenol (105-67-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
3.4 4,6-dinitro-o-cresol (534-52-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
3.5 2,4-dinitrophenol (51-28-5)	☐	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6 2-nitrophenol (88-75-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1		
3.7 4-nitrophenol (100-02-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
3.8 p-chloro-m-cresol (59-50-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
3.9 Pentachlorophenol (87-86-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.05 <0.0660		1		
3.10 Phenol (108-95-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
3.11 2,4,6-trichlorophenol (88-05-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		

Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)

4.1 Acenaphthene (83-32-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.2 Acenaphthylene (208-96-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.3 Anthracene (120-12-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.4 Benzidine (92-87-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1		
4.5 Benzo (a) anthracene (56-55-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0653		1		
4.6 Benzo (a) pyrene (50-32-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0653		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7 3,4-benzofluoranthene (205-99-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.8 Benzo (ghi) perylene (191-24-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1		
4.9 Benzo (k) fluoranthene (207-08-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0653		1		
4.10 Bis (2-chloroethoxy) methane (111-91-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.11 Bis (2-chloroethyl) ether (111-44-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.12 Bis (2-chloroisopropyl) ether (102-80-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.13 Bis (2-ethylhexyl) phthalate (117-81-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10.1 <0.1320		1		
4.14 4-bromophenyl phenyl ether (101-55-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.15 Butyl benzyl phthalate (85-68-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.16 2-chloronaphthalene (91-58-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.17 4-chlorophenyl phenyl ether (7005-72-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.18 Chrysene (218-01-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0653		1		
4.19 Dibenzo (a,h) anthracene (53-70-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0653		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20 1,2-dichlorobenzene (95-50-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.21 1,3-dichlorobenzene (541-73-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.22 1,4-dichlorobenzene (106-46-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.23 3,3-dichlorobenzidine (91-94-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 .1 <0.1320		1		
4.24 Diethyl phthalate (84-66-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.25 Dimethyl phthalate (131-11-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.26 Di-n-butyl phthalate (84-74-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.27 2,4-dinitrotoluene (121-14-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.28 2,6-dinitrotoluene (606-20-2)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.29 Di-n-octyl phthalate (117-84-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		
4.30 1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1		
4.31 Fluoranthene (206-44-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<2.02 <0.0264		1		
4.32 Fluorene (86-73-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33 Hexachlorobenzene (118-74-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.05 <0.0660		1 1		
4.34 Hexachlorobutadiene (87-68-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
4.35 Hexachlorocyclopentadiene (77-47-4)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
4.36 Hexachloroethane (67-72-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1 1		
4.37 Indeno (1,2,3-cd) pyrene (193-39-5)	☒	☐	☒	Concentration Mass	ug/L lb/day	<5.0 <0.0653		1 1		
4.38 Isophorone (78-59-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
4.39 Naphthalene (91-20-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
4.40 Nitrobenzene (98-95-3)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
4.41 N-nitrosodimethylamine (62-75-9)	☒	☐	☒	Concentration Mass	ug/L lb/day	<50 <0.6534		1 1		
4.42 N-nitrosodi-n-propylamine (621-64-7)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1 1		
4.43 N-nitrosodiphenylamine (86-30-6)	☒	☐	☒	Concentration Mass	ug/L lb/day	<20 <0.2614		1 1		
4.44 Phenanthrene (85-01-8)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		
4.45 Pyrene (129-00-0)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307		1 1		

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent							
4.46 1,2,4-trichlorobenzene (120-82-1)	☒	☐	☒	Concentration Mass	ug/L lb/day	<10 <0.1307			1 1	
Section 5. Organic Toxic Pollutants (GC/MS Fraction — Pesticides)										
5.1 Aldrin (309-00-2)	☐	☐	☒	Concentration Mass						
5.2 α -BHC (319-84-6)	☐	☐	☒	Concentration Mass						
5.3 β -BHC (319-85-7)	☐	☐	☒	Concentration Mass						
5.4 γ -BHC (58-89-9)	☐	☐	☒	Concentration Mass						
5.5 δ -BHC (319-86-8)	☐	☐	☒	Concentration Mass						
5.6 Chlordane (57-74-9)	☐	☐	☒	Concentration Mass						
5.7 4,4'-DDT (50-29-3)	☐	☐	☒	Concentration Mass						
5.8 4,4'-DDE (72-55-9)	☐	☐	☒	Concentration Mass						
5.9 4,4'-DDD (72-54-8)	☐	☐	☒	Concentration Mass						
5.10 Dieldrin (60-57-1)	☐	☐	☒	Concentration Mass						
5.11 α -endosulfan (115-29-7)	☐	☐	☒	Concentration Mass						

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12 β-endosulfan (115-29-7)	☐	☐	☒	Concentration Mass						
5.13 Endosulfan sulfate (1031-07-8)	☐	☐	☒	Concentration Mass						
5.14 Endrin (72-20-8)	☐	☐	☒	Concentration Mass						
5.15 Endrin aldehyde (7421-93-4)	☐	☐	☒	Concentration Mass						
5.16 Heptachlor (76-44-8)	☐	☐	☒	Concentration Mass						
5.17 Heptachlor epoxide (1024-57-3)	☐	☐	☒	Concentration Mass						
5.18 PCB-1242 (53469-21-9)	☐	☐	☒	Concentration Mass						
5.19 PCB-1254 (11097-69-1)	☐	☐	☒	Concentration Mass						
5.20 PCB-1221 (11104-28-2)	☐	☐	☒	Concentration Mass						
5.21 PCB-1232 (11141-16-5)	☐	☐	☒	Concentration Mass						
5.22 PCB-1248 (12672-29-6)	☐	☐	☒	Concentration Mass						
5.23 PCB-1260 (11096-82-5)	☐	☐	☒	Concentration Mass						
5.24 PCB-1016 (12674-11-2)	☐	☐	☒	Concentration Mass						

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

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25 Toxaphene (8001-35-2)	☒	☐	☒	Concentration Mass						

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

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent			Intake (Optional)		
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐ Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
☐ Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
1. Bromide (24959-67-9)	☐	☒	Concentration Mass	mg/L	<0.1			1	
2. Chlorine, total residual	☐	☒	Concentration Mass	lb/day	<1.3042			1	
3. Color	☐	☒	Concentration Mass	CU	10			1	
4. Fecal coliform	☐	☒	Concentration Mass						
5. Fluoride (16984-48-8)	☒	☐	Concentration Mass	mg/L	0.207			1	
6 Nitrate-nitrite	☒	☐	Concentration Mass	lb/day	2.6996			1	
7. Nitrogen, total organic (as N)	☒	☐	Concentration Mass	mg/L	0.39			1	
8. Oil and grease	☒	☐	Concentration Mass	lb/day	5.0862			1	
9. Phosphorus (as P), total (7723-14-0)	☒	☐	Concentration Mass	mg/L	1.55			1	
10. Sulfate (as SO ₄) (14808-79-8)	☐	☒	Concentration Mass	lb/day	20.2143			1	
11. Sulfide (as S)	☐	☒	Concentration Mass	mg/L	14.2			28	
				lb/day	11.3			28	
				mg/L	0.336				
				lb/day	4.3819				

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12. Sulfite (as SO ₃) (14265-45-3)	☐	☒	Concentration Mass						
13. Surfactants	☐	☒	Concentration Mass						
14. Aluminum, total (7429-90-5)	☒	☐	Concentration Mass	0.183 mg/L					
15. Barium, total (7440-39-3)	☒	☐	Concentration Mass	2.3866 mg/L					
16. Boron, total (7440-42-8)	☐	☒	Concentration Mass	0.0189 mg/L					
17. Cobalt, total (7440-48-4)	☐	☒	Concentration Mass	0.2465 mg/L					
18. Iron, total (7439-89-6)	☒	☐	Concentration Mass	<0.025 mg/L					
19. Magnesium, total (7439-95-4)	☒	☐	Concentration Mass	<0.3260 mg/L					
20. Molybdenum, total (7439-98-7)	☒	☐	Concentration Mass	<0.01 mg/L					
21. Manganese, total (7439-96-5)	☒	☐	Concentration Mass	<0.1304 mg/L					
22. Tin, total (7440-31-5)	☐	☒	Concentration Mass	0.52 mg/L					
23. Titanium, total (7440-32-6)	☒	☐	Concentration Mass	6.7816 mg/L					

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi)) ¹									
Pollutant	Presence or Absence (check one)		Units (specify)	Effluent			Intake (Optional)		
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)			
24. Radioactivity									
Alpha, total	☐	☒	Concentration Mass						
Beta, total	☐	☒	Concentration Mass						
Radium, total	☐	☒	Concentration Mass						
Radium 226, total	☐	☒	Concentration Mass						

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

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii)) ¹				
Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
	Believed Present	Believed Absent		
77. Vinyl acetate	☐	☒		
78. Xylene	☐	☒		
79. Xylenol	☐	☒		
80. Zirconium	☐	☒		

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

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TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))				
Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	☐	☐	☒	Screen was below detection limit.

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Form 2F NPDES		U.S Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY													
SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))															
Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below													
	Outfall Number	Receiving Water Name	Latitude		Longitude										
	201	Garland Creek tributary	33° 48' 45.7" N		93° 24' 34.4" W										
	202	Pine Creek tributary	33° 48' 37.9" N		93° 24' 47.6" W										
			° ' "		° ' "										
			° ' "		° ' "										
			° ' "		° ' "										
			° ' "		° ' "										
SECTION 2. IMPROVEMENTS (40 CFR 122.21(g)(6))															
Improvements	2.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application? ☐ Yes ☒ No → SKIP to Section 3.													
	2.2	Briefly identify each applicable project in the table below.													
		Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates <table border="1"> <tr> <th>Required</th> <th>Projected</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Required	Projected								
	Required	Projected													
2.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (Optional Item) ☐ Yes ☐ No														

SECTION 3. SITE DRAINAGE MAP (40 CFR 122.26(c)(1)(i)(A))

Site Drainage Map	3.1	Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.) ☒ Yes ☐ No
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SECTION 4. POLLUTANT SOURCES (40 CFR 122.26(c)(1)(i)(B))

Pollutant Sources	4.1	Provide information on the facility's pollutant sources in the table below.					
		Outfall Number	Impervious Surface Area (within a mile radius of the facility)		Total Surface Area Drained (within a mile radius of the facility)		
		201	15	<i>specify units</i> ac	12.7	<i>specify units</i> ac	
		202	15	<i>specify units</i> ac	37	<i>specify units</i>	
				<i>specify units</i>		<i>specify units</i>	
				<i>specify units</i>		<i>specify units</i>	
				<i>specify units</i>		<i>specify units</i>	
				<i>specify units</i>		<i>specify units</i>	
	4.2	Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.) No special management practices for rubber roofing operations. Material loading and unloading areas are visible on the provided site map. Pesticides, herbicides, soil conditioners and fertilizers are not applied within the Outfall 201/202 drainage basins.					
		4.3	Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)				
			Stormwater Treatment				
			Outfall Number	Control Measures and Treatment			Codes from Exhibit 2F-1 (list)
201			Retention in stormwater pond			4-A	
202	Retention in stormwater pond			4-A			

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SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(c)(1)(i)(C))

Non-Stormwater Discharges	5.1	I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.			
		Name (print or type first and last name)	Official title		
		Kevin Ward	Plant Manager		
		Signature	Date signed		
	5.2	Provide the testing information requested in the table below.			
		Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test
			Operational knowledge used to identify		
			non-stormwater discharges.		

SECTION 6. SIGNIFICANT LEAKS OR SPILLS (40 CFR 122.26(c)(1)(i)(D))

Significant Leaks or Spills	6.1	Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years. None.
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SECTION 7. DISCHARGE INFORMATION (40 CFR 122.26(c)(1)(i)(E))

Discharge Information	See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.	
	7.1	Is this a new source or new discharge? ☐ Yes → See instructions regarding submission of <i>estimated</i> data. ☒ No → See instructions regarding submission of <i>actual</i> data.
	Tables A, B, C, and D	
	7.2	Have you completed Table A for each outfall? ☒ Yes ☐ No

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Discharge Information Continued	7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? ☒ Yes ☐ No → SKIP to Item 7.5.
	7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? ☒ Yes ☐ No
	7.5	Do you know or have reason to believe any pollutants in Exhibit 2F-2 are present in the discharge? ☐ Yes ☒ No → SKIP to Item 7.7.
	7.6	Have you listed all pollutants in Exhibit 2F-2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? ☐ Yes ☐ No
	7.7	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes → SKIP to Item 7.18. ☒ No
	7.8	Do you know or have reason to believe any pollutants in Exhibit 2F-3 are present in the discharge? ☐ Yes ☒ No → SKIP to Item 7.10.
	7.9	Have you listed all pollutants in Exhibit 2F-3 that you know or have reason to believe are present in the discharge in Table C? ☐ Yes ☐ No
	7.10	Do you expect any of the pollutants in Exhibit 2F-3 to be discharged in concentrations of 10 ppb or greater? ☐ Yes ☒ No → SKIP to Item 7.12.
	7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F-3 that you expect to be discharged in concentrations of 10 ppb or greater? ☐ Yes ☐ No
	7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☒ No → SKIP to Item 7.14.
	7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☐ No
	7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? ☒ Yes ☐ No
	7.15	Do you know or have reason to believe any pollutants in Exhibit 2F-4 are present in the discharge? ☐ Yes ☒ No → SKIP to Item 7.17.
	7.16	Have you listed pollutants in Exhibit 2F-4 that you know or believe to be present in the discharge and provided an explanation in Table C? ☐ Yes ☐ No
7.17	Have you provided information for the storm event(s) sampled in Table D? ☒ Yes ☐ No	

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Discharge Information Continued	Used or Manufactured Toxics			
	7.18	Is any pollutant listed on Exhibits 2F–2 through 2F–4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct?		
		☐ Yes ☒ No → SKIP to Section 8.		
	7.19	List the pollutants below, including TCDD if applicable.		
		1.	4.	7.
	2.	5.	8.	
	3.	6.	9.	

SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11))				
Biological Toxicity Testing Data	8.1	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 three years?		
		☐ Yes ☒ No → SKIP to Section 9.		
	8.2	Identify the tests and their purposes below.		
		Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?
				☐ Yes ☐ No
				☐ Yes ☐ No
			☐ Yes ☐ No	

SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(g)(12))				
Contract Analysis Information	9.1	Were any of the analyses reported in Section 7 (on Tables A through C) performed by a contract laboratory or consulting firm?		
		☒ Yes ☐ No → SKIP to Section 10.		
	9.2	Provide information for each contract laboratory or consulting firm below.		
		Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
	Name of laboratory/firm	Environmental Services Company, Inc.		
	Laboratory address	13715 West Markham Street Little Rock, AR 72211		
	Phone number	(501) 221-2565		
	Pollutant(s) analyzed	Toxic metals, all GC/MS fractions		

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SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))								
Checklist and Certification Statement	10.1	In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.						
		Column 1	Column 2					
		☒ Section 1	☐ w/ attachments (e.g., responses for additional outfalls)					
		☐ Section 2	☐ w/ attachments					
		☒ Section 3	☒ w/ site drainage map					
		☒ Section 4	☒ w/ attachments					
		☒ Section 5	☐ w/ attachments					
		☒ Section 6	☐ w/ attachments					
		☒ Section 7	☒ Table A ☐ w/ small business exemption request ☒ Table B ☒ w/ analytical results as an attachment ☒ Table C ☒ Table D					
		☒ Section 8	☐ w/attachments					
		☒ Section 9	☐ w/attachments (e.g., responses for additional contact laboratories or firms)					
		☒ Section 10	☐					
		10.2	Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>					
	<table border="1"> <tr> <td>Name (print or type first and last name)</td> <td>Official title</td> </tr> <tr> <td>Kevin Ward</td> <td>Plant Manager</td> </tr> <tr> <td>Signature</td> <td>Date signed</td> </tr> </table>		Name (print or type first and last name)	Official title	Kevin Ward	Plant Manager	Signature	Date signed
Name (print or type first and last name)	Official title							
Kevin Ward	Plant Manager							
Signature	Date signed							

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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3)) ¹						
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 and requirements.						
Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	8.4 mg/L				26	
2. Biochemical oxygen demand (BOD ₅)	2.8 mg/L				1	
3. Chemical oxygen demand (COD)	39.2 mg/L				26	
4. Total suspended solids (TSS)	7 mg/L				1	
5. Total phosphorus	0.09 mg/L				1	
6. Total Kjeldahl nitrogen (TKN)	1.7 mg/L				1	
7. Total nitrogen (as N)	1.75 mg/L				1	
8. pH (minimum) pH (maximum)	6.3				26	
	8.5				26	

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

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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Oil and Grease	8.4 mg/L				NA	

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

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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)

Provide a description of the method of flow measurement or estimate.
Stormwater is not discharged during rain events, but is retained and discharged via pump as needed.

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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3)) ¹						
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 and requirements.						
Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	14.2 mg/L				27	
2. Biochemical oxygen demand (BOD ₅)	<2 mg/L				1	
3. Chemical oxygen demand (COD)	55.4 mg/L				27	
4. Total suspended solids (TSS)	27.9 mg/L				27	
5. Total phosphorus	0.336 mg/L				1	
6. Total Kjeldahl nitrogen (TKN)	0.8 mg/L				1	
7. Total nitrogen (as N)	1/55 mg/L				1	
8. pH (minimum) pH (maximum)	6.3				27	
	8.5				27	

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

EPA Identification Number FRS 1100000606657	NPDES Permit Number AR00000612	Facility name Holcim Solutions and Products US,	Outfall Number 202
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)

Provide a description of the method of flow measurement or estimate.
Stormwater is not discharged during rain events, but is retained and discharged via pump as needed.



Application Form PPS

Priority Pollutant Scan Information

ATTENTION

AClean@ Sampling Techniques

Water quality (WQ) standards (Based on aquatic toxicity and human health criteria) for many of the heavy metals are Aat@ analytical methods= detection levels (MDL).

It is recognized that unclean sampling and lab techniques can and do cause contamination sometimes causing measurements to be Aseen@ as violations of the WQ standards. Therefore, the permittee must recognize the importance of eliminating contamination.

For personnel responsible for collecting samples in answer to effluent monitoring requirements, the Department recommends following sample collection and handling in accordance with EPA=s Method 1669: Sampling Ambient Water for Determination of Trace Metals at EPA Water Quality Criteria Levels as closely as possible and as economically feasible. A copy of Method 1669 is available upon request.

Please convey to your contract testing laboratory the extreme importance of proper sampling techniques associated with analytical testing for heavy metals. Some of the techniques may be considered too expensive to justify implementation but it could be in the best interest of your facility to submit the PPS Form by using common sense AClean@ Sampling Techniques.

GENERAL INSTRUCTION

1. **Generation of a form similar to the PPS form is prohibited without expressed written permission of ADEQ, Discharge Permits Section, Water Division.**
2. All major facilities, all categorical industries, or any facility that believes there are priority pollutant(s) present in their discharge, must submit the Form PPS.
3. All facilities must monitor for **metals** and **cyanide**.
4. Testing requirements for categorical industries are listed in Attachment 1.
5. If one of the EPA approved test methods (40 CFR Part 136) is used the method detection level (MDL) **must be as low as Minimum Quantification Levels (MQL)**. MQLs are based on EPA Region 6 guidance dated April 10, 2006: "MQL = 3.3 X MDL"
6. All the units must be expressed in µg/l (Micro grams per liter).
7. **All the results less than Used Method Detection Level Achieved are reported as ND (Not Detected).**
8. The data requested for the priority pollutant scan in the enclosures shall be submitted with copies of the laboratory results, MDLs and MQLs. Certification that QA/QC procedures were implemented must be submitted with the requested information.
9. All analyses must be performed at the minimum level of sensitivity. The analyses must demonstrate that an acceptable calibration point as low as MQL was used. Test procedures must conform to approved EPA methodology listed in 40 CFR Part 136.

ATTACHMENT 1

TESTING REQUIREMENTS FOR ORGANIC TOXIC POLLUTANTS INDUSTRY CATEGORY

INDUSTRY CATEGORY	volatile	Acid	Base/Neutral	Pesticide
Adhesives & Sealants ..	X	X	X	-
Aluminum Forming	X	X	X	-
Auto & Other Laundries	X	X	X	X
Battery Manufacturing	X	-	X	-
Coal Mining	X	X	X	X
Coil Coating	X	X	X	-
Copper Forming	X	X	X	-
Electric & Electronic Compounds	X	X	X	X
Electroplating	X	X	X	-
Explosives Manufacturing	-	X	X	-
Foundries	X	X	X	-
Gum & Wood Chemicals	X	X	X	X
Inorganic Chemicals Manufacturing	X	X	X	-
Iron & Steel Manufacturing	X	X	X	-
Leather Tanning & Finishing	X	X	X	X
Mechanical Products Manufacturing	X	X	X	-
Nonferrous Metals Manufacturing	X	X	X	X
Ore Mining	X	X	X	X
Organic Chemicals Manufacturing	X	X	X	X
Paint & Ink Formulation	X	X	X	X
Pesticides	X	X	X	X
Petroleum Refining	X	X	X	X
Pharmaceutical Preparations	X	X	X	-
Photographic Equipment & Supplies	X	X	X	X
Plastic & Synthetic Materials Manufacturing	X	X	X	X
Plastic Processing	X	-	-	-
Porcelain Enameling	X	-	X	X
Printing & Publishing	X	X	X	X
Pulp & Paperboard Mills	X	X	X	X
Rubber Processing	X	X	X	-
Soap & Detergent Manufacturing	X	X	X	-
Steam Electric Power Plants	X	X	X	-
Textile Mills	X	X	X	X
Timber Products Processing	X	X	X	X
Testing required.				
- Testing not required.				

X

ARKANSAS Department of Environmental Quality
PPS REQUIREMENTS

1. Name of facility:

Holcim Solutions and Products US, LLC

2. Name, address and telephone number of laboratory:

Environmental Services Company, Inc.

13715 West Markham Street, Little Rock, AR 72211 501-221-1341

3. Is the lab certified by the State of Arkansas? Yes ☒ No ☐

4. What are the certification dates?

Issued data 7/1/2022 Expire date 7/1/2023

5. Is the laboratory certified for all the parameters?

YES ☒ No ☐ (Explain)

6. Date and time of samples collected:

12/7/2022, 10:19 am; 12/21/2022 10:30 am

7. Date and time samples were received in the laboratory:

12/7/2022, 2:40 pm; 12/21/2022 4:05 pm

8. Sample location (Outfall No.):

201

9. Samples collected by:

Name Ned Ryerson

Title Laboratory Manager

Telephone _____

10. 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 submitted is, to the best of my knowledge and belief, 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.

Kevin Ward
Printed Name of person signing

Plant Manager
Title

Signature _____

Date signed _____

List all attachments to this form:

METALS AND CYANIDE	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
1. Antimony (Total), Recoverable	ND	EPA 200.8	60	60
2. Arsenic (Total), Recoverable	ND	EPA 200.8	0.5	0.5
3. Beryllium (Total), Recoverable	ND	EPA 200.8	0.5	0.5
4. Cadmium (Total), Recoverable	ND	EPA 200.8	0.5	0.5
5. Chromium (Total), Recoverable	ND	EPA 200.8	10	10
7. Chromium (6+), Dissolved	ND	SM2009 3500 Cr-B	10	10
8. Copper (Total), Recoverable	4.54	EPA 200.8	0.5	0.5
9. Lead (Total), Recoverable	0.87	EPA 200.8	0.5	0.5
10. Mercury (Total), Recoverable	ND	EPA 1631B	0.005	0.005
12. Nickel (Total), Recoverable	1.39	EPA 200.8	0.5	0.5
13. Selenium (Total), Recoverable	ND	EPA 200.8	5	5
14. Silver (Total), Recoverable	ND	EPA 200.8	0.5	0.5
15. Thallium (Total), Recoverable	ND	EPA 200.8	0.5	0.5
16. Zinc (Total), Recoverable	118	EPA 200.8	20	20
129. Phenols, Total Recoverable	ND	HACH 10206	5	5
17. Cyanide (Total), Recoverable	ND	SM1999 4500-CN F	10	10

DIOXIN	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
18. 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)	ND	EPA 625.1	1.25	0.00001

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	ND	EPA 624.1	50	50
20. Acrylonitrile	ND	EPA 624.1	20	20
21. Benzene	ND	EPA 624.1	10	10
22. Bromoform	ND	EPA 624.1	10	10
23. Carbon Tetrachloride	ND	EPA 624.1	2.0	2
24. Chlorobenzene	ND	EPA 624.1	10	10
25. Chlorodibromomethane	ND	EPA 624.1	10	10
26. chloroethane	ND	EPA 624.1	50	50
27. 2-Chloroethyl vinyl ether	ND	EPA 624.1	10	10
28. chloroform	ND	EPA 624.1	10	10
29. Dichlorobromomethane	ND	EPA 624.1	10	10
30. 1,1-Dichloroethane	ND	EPA 624.1	10	10
31. 1,2-Dichloroethane	ND	EPA 624.1	10	10
32. 1,1-Dichloroethylene	ND	EPA 624.1	10	10
33. 1,2-Dichloropropane	ND	EPA 624.1	10	10
34. 1,3-Dichloropropylene	ND	EPA 624.1	10	10
35. Ethylbenzene	ND	EPA 624.1	10	10
36. Methyl Bromide [Bromomethane]	ND	EPA 624.1	50	50
37. Methyl chloride [chloromethane]	ND	EPA 624.1	50	50
38. Methylene chloride	ND	EPA 624.1	20	20
39. 1,1,2,2-Tetrachloroethane	ND	EPA 624.1	10	10
40. Tetrachloroethylene	ND	EPA 624.1	10	10
41. Toluene	ND	EPA 624.1	10	10
42. 1,2-trans-Dichloroethylene	ND	EPA 624.1	10	10
43. 1,1,1-Trichloroethane	ND	EPA 624.1	10	10
44. 1,1,2-Trichloroethane	ND	EPA 624.1	10	10
45. Trichloroethylene	ND	EPA 624.1	10	10
46. vinyl chloride	ND	EPA 624.1	10	10

ACID COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
47. 2-Chlorophenol	ND	EPA 625.1	10	10
48. 2,4-Dichlorophenol	ND	EPA 625.1	10	10
49. 2,4-Dimethylphenol	ND	EPA 625.1	10	10
50. 4,6-Dinitro-o-Cresol [2 methyl 4,6-dinitrophenol]	ND	EPA 625.1	50	50
51. 2,4-Dinitrophenol	ND	EPA 625.1	50	50
52. 2-Nitrophenol	ND	EPA 625.1	20	20
53. 4-Nitrophenol	ND	EPA 625.1	50	50
54. P-Chloro-m-Cresol [4 chloro-3-methylphenol]	ND	EPA 625.1	10	10
55. Pentachlorophenol	ND	EPA 625.1	5.0	5
56. Phenol	ND	EPA 625.1	10	10
57. 2,4,6-Trichlorophenol	ND	EPA 625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	ND	EPA 625.1	10	10
59. Acenaphthylene	ND	EPA 625.1	10	10
60. Anthracene	ND	EPA 625.1	5.0	10
61. Benzidine	ND	EPA 625.1	50	50
62. Benzo(a)anthracene	ND	EPA 625.1	5.0	5
63. Benzo(a)pyrene	ND	EPA 625.1	5.0	5
64. 3,4-Benzofluoranthene	ND	EPA 625.1	10	10
65. Benzo(ghi)perylene	ND	EPA 625.1	20	20
66. Benzo(k)fluoranthene	ND	EPA 625.1	5.0	5
67. Bis(2-chloroethoxy) methane	ND	EPA 625.1	10	10
68. Bis(2-chloroethyl) ether	ND	EPA 625.1	10	10
69. Bis(2-chloroisopropyl) ether	ND	EPA 625.1	10	10
70. Bis(2-ethylhexyl) phthalate	ND	EPA 625.1	10	10
71. 4-Bromophenyl phenyl ether	ND	EPA 625.1	10	10
72. Butyl benzyl phthalate	ND	EPA 625.1	10	10
73. 2-Chloronapthalene	ND	EPA 625.1	10	10
74. 4-chlorophenyl phenyl ether	ND	EPA 625.1	10	10
75. Chrysene	ND	EPA 625.1	5.0	5
76. Dibenzo (a,h) anthracene	ND	EPA 625.1	5.0	5
77. 1,2-Dichlorobenzene	ND	EPA 625.1	10	10
78. 1,3-Dichlorobenzene	ND	EPA 625.1	10	10
79. 1,4-Dichlorobenzene	ND	EPA 625.1	10	10
80. 3,3'-Dichlorobenzidine	ND	EPA 625.1	5.0	5
81. Diethyl Phthalate	ND	EPA 625.1	10	10
82. Dimethyl Phthalate	ND	EPA 625.1	10	10
83. Di-n-Butyl Phthalate	ND	EPA 625.1	10	10
84. 2,4-Dinitrotoluene	ND	EPA 625.1	10	10
85. 2,6-Dinitrotoluene	ND	EPA 625.1	10	10
86. Di-n-octyl Phthalate	ND	EPA 625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
87. 1,2-Diphenylhydrazine	ND	EPA 625.1	20	20
89. Fluorene	ND	EPA 625.1	10	10
90. Hexachlorobenzene	ND	EPA 625.1	5.0	5
91. Hexachlorobutadiene	ND	EPA 625.1	10	10
92. Hexachlorocyclopentadiene	ND	EPA 625.1	10	10
93. Hexachloroethane	ND	EPA 625.1	20	20
94. Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)	ND	EPA 625.1	5.0	5
95. Isophorone	ND	EPA 625.1	10	10
96. Naphthalene	ND	EPA 625.1	10	10
97. Nitrobenzene	ND	EPA 625.1	10	10
98. N-nitrosodimethylamine	ND	EPA 625.1	50	50
99. N-nitrosodi-n-propylamine	ND	EPA 625.1	20	20
100. N-nitrosodiphenylamine	ND	EPA 625.1	20	20
101. Phenanthrene	ND	EPA 625.1	10	10
102. Pyrene	ND	EPA 625.1	10	10
103. 1,2,4-Trichlorobenzene	ND	EPA 625.1	10	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
104. Aldrin				0.01
105. Alpha-BHC				0.05
106. Beta-BHC				0.05
107. Gamma-BHC				0.05
108. Delta-BHC				0.05
109. Chlordane				0.2
110. 4,4'-DDT				0.02
111. 4,4'-DDE (p,p-DDX)				0.1
112. 4,4'-DDD 9(p,p-TDE)				0.1
113. Dieldrin				0.02
114. Alpha-endosulfan				0.01
115. Beta-endosulfan				0.02
116. Endosulfan sulfate				0.1
117. Endrin				0.02
118. Endrin aldehyde				0.1
119. Heptachlor				0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)				0.01
130. Chlorpyrifos				0.07
121. PCB-1242				0.2
122. PCB-1254				0.2
123. PCB-1221				0.2
124. PCB-1232				0.2
125. PCB-1248				0.2
126. PCB-1260				0.2
127. PCB-1016				0.2
128. Toxaphene				0.3



Application Form PPS

Priority Pollutant Scan Information

ATTENTION

AClean@ Sampling Techniques

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For personnel responsible for collecting samples in answer to effluent monitoring requirements, the Department recommends following sample collection and handling in accordance with EPA=s Method 1669: Sampling Ambient Water for Determination of Trace Metals at EPA Water Quality Criteria Levels as closely as possible and as economically feasible. A copy of Method 1669 is available upon request.

Please convey to your contract testing laboratory the extreme importance of proper sampling techniques associated with analytical testing for heavy metals. Some of the techniques may be considered too expensive to justify implementation but it could be in the best interest of your facility to submit the PPS Form by using common sense AClean@ Sampling Techniques.

GENERAL INSTRUCTION

1. **Generation of a form similar to the PPS form is prohibited without expressed written permission of ADEQ, Discharge Permits Section, Water Division.**
2. All major facilities, all categorical industries, or any facility that believes there are priority pollutant(s) present in their discharge, must submit the Form PPS.
3. All facilities must monitor for **metals** and **cyanide**.
4. Testing requirements for categorical industries are listed in Attachment 1.
5. If one of the EPA approved test methods (40 CFR Part 136) is used the method detection level (MDL) **must be as low as Minimum Quantification Levels (MQL)**. MQLs are based on EPA Region 6 guidance dated April 10, 2006: "MQL = 3.3 X MDL"
6. All the units must be expressed in µg/l (Micro grams per liter).
7. **All the results less than Used Method Detection Level Achieved are reported as ND (Not Detected).**
8. The data requested for the priority pollutant scan in the enclosures shall be submitted with copies of the laboratory results, MDLs and MQLs. Certification that QA/QC procedures were implemented must be submitted with the requested information.
9. All analyses must be performed at the minimum level of sensitivity. The analyses must demonstrate that an acceptable calibration point as low as MQL was used. Test procedures must conform to approved EPA methodology listed in 40 CFR Part 136.

ATTACHMENT 1

TESTING REQUIREMENTS FOR ORGANIC TOXIC POLLUTANTS INDUSTRY CATEGORY

INDUSTRY CATEGORY	volatile	Acid	Base/Neutral	Pesticide
Adhesives & Sealants ..	X	X	X	-
Aluminum Forming	X	X	X	-
Auto & Other Laundries	X	X	X	X
Battery Manufacturing	X	-	X	-
Coal Mining	X	X	X	X
Coil Coating	X	X	X	-
Copper Forming	X	X	X	-
Electric & Electronic Compounds	X	X	X	X
Electroplating	X	X	X	-
Explosives Manufacturing	-	X	X	-
Foundries	X	X	X	-
Gum & Wood Chemicals	X	X	X	X
Inorganic Chemicals Manufacturing	X	X	X	-
Iron & Steel Manufacturing	X	X	X	-
Leather Tanning & Finishing	X	X	X	X
Mechanical Products Manufacturing	X	X	X	-
Nonferrous Metals Manufacturing	X	X	X	X
Ore Mining	X	X	X	X
Organic Chemicals Manufacturing	X	X	X	X
Paint & Ink Formulation	X	X	X	X
Pesticides	X	X	X	X
Petroleum Refining	X	X	X	X
Pharmaceutical Preparations	X	X	X	-
Photographic Equipment & Supplies	X	X	X	X
Plastic & Synthetic Materials Manufacturing	X	X	X	X
Plastic Processing	X	-	-	-
Porcelain Enameling	X	-	X	X
Printing & Publishing	X	X	X	X
Pulp & Paperboard Mills	X	X	X	X
Rubber Processing	X	X	X	-
Soap & Detergent Manufacturing	X	X	X	-
Steam Electric Power Plants	X	X	X	-
Textile Mills	X	X	X	X
Timber Products Processing	X	X	X	X
Testing required.				
- Testing not required.				

X

ARKANSAS Department of Environmental Quality
PPS REQUIREMENTS

1. Name of facility:

Holcim Solutions and Products US, LLC

2. Name, address and telephone number of laboratory:

Environmental Services Company, Inc.

13715 West Markham Street, Little Rock, AR 72211 501-221-1341

3. Is the lab certified by the State of Arkansas? Yes ☒ No ☐

4. What are the certification dates?

Issued date 7/1/2022 Expire date 7/1/2023

5. Is the laboratory certified for all the parameters?

YES ☒ No ☐ (Explain)

6. Date and time of samples collected:

12/7/2022, 10:44 am

7. Date and time samples were received in the laboratory:

12/7/2022, 2:40 pm

8. Sample location (Outfall No.):

202

9. Samples collected by:

Name Ned Ryerson

Title Laboratory Manager

Telephone _____

10. 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 submitted is, to the best of my knowledge and belief, 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.

Kevin Ward
Printed Name of person signing

Plant Manager
Title

Signature

Date signed

List all attachments to this form:

METALS AND CYANIDE	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
1. Antimony (Total), Recoverable	ND	EPA 200.8	60	60
2. Arsenic (Total), Recoverable	ND	EPA 200.8	0.5	0.5
3. Beryllium (Total), Recoverable	ND	EPA 200.8	0.5	0.5
4. Cadmium (Total), Recoverable	ND	EPA 200.8	0.5	0.5
5. Chromium (Total), Recoverable	ND	EPA 200.8	10	10
7. Chromium (6+), Dissolved	ND	SM2009 3500 Cr-B	10	10
8. Copper (Total), Recoverable	0.73	EPA 200.8	0.5	0.5
9. Lead (Total), Recoverable	ND	EPA 200.8	0.5	0.5
10. Mercury (Total), Recoverable	ND	EPA 1631B	0.005	0.005
12. Nickel (Total), Recoverable	0.61	EPA 200.8	0.5	0.5
13. Selenium (Total), Recoverable	ND	EPA 200.8	5	5
14. Silver (Total), Recoverable	ND	EPA 200.8	0.5	0.5
15. Thallium (Total), Recoverable	ND	EPA 200.8	0.5	0.5
16. Zinc (Total), Recoverable	33.4	EPA 200.8	20	20
129. Phenols, Total Recoverable	ND	HACH 10206	5	5
17. Cyanide (Total), Recoverable	ND	SM1999 4500-CN F	10	10

DIOXIN	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
18. 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)	ND	EPA 625.1	1.03	0.00001

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	ND	EPA 624.1	50	50
20. Acrylonitrile	ND	EPA 624.1	20	20
21. Benzene	ND	EPA 624.1	10	10
22. Bromoform	ND	EPA 624.1	10	10
23. Carbon Tetrachloride	ND	EPA 624.1	2.0	2
24. Chlorobenzene	ND	EPA 624.1	10	10
25. Chlorodibromomethane	ND	EPA 624.1	10	10
26. chloroethane	ND	EPA 624.1	50	50
27. 2-Chloroethyl vinyl ether	ND	EPA 624.1	10	10
28. chloroform	ND	EPA 624.1	10	10
29. Dichlorobromomethane	ND	EPA 624.1	10	10
30. 1,1-Dichloroethane	ND	EPA 624.1	10	10
31. 1,2-Dichloroethane	ND	EPA 624.1	10	10
32. 1,1-Dichloroethylene	ND	EPA 624.1	10	10
33. 1,2-Dichloropropane	ND	EPA 624.1	10	10
34. 1,3-Dichloropropylene	ND	EPA 624.1	10	10
35. Ethylbenzene	ND	EPA 624.1	10	10
36. Methyl Bromide [Bromomethane]	ND	EPA 624.1	50	50
37. Methyl chloride [chloromethane]	ND	EPA 624.1	50	50
38. Methylene chloride	ND	EPA 624.1	20	20
39. 1,1,2,2-Tetrachloroethane	ND	EPA 624.1	10	10
40. Tetrachloroethylene	ND	EPA 624.1	10	10
41. Toluene	ND	EPA 624.1	10	10
42. 1,2-trans-Dichloroethylene	ND	EPA 624.1	10	10
43. 1,1,1-Trichloroethane	ND	EPA 624.1	10	10
44. 1,1,2-Trichloroethane	ND	EPA 624.1	10	10
45. Trichloroethylene	ND	EPA 624.1	10	10
46. vinyl chloride	ND	EPA 624.1	10	10

ACID COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
47. 2-Chlorophenol	ND	EPA 625.1	10	10
48. 2,4-Dichlorophenol	ND	EPA 625.1	10	10
49. 2,4-Dimethylphenol	ND	EPA 625.1	10	10
50. 4,6-Dinitro-o-Cresol [2 methyl 4,6-dinitrophenol]	ND	EPA 625.1	50	50
51. 2,4-Dinitrophenol	ND	EPA 625.1	50	50
52. 2-Nitrophenol	ND	EPA 625.1	20	20
53. 4-Nitrophenol	ND	EPA 625.1	50	50
54. P-Chloro-m-Cresol [4 chloro-3-methylphenol]	ND	EPA 625.1	10	10
55. Pentachlorophenol	ND	EPA 625.1	5.0	5
56. Phenol	ND	EPA 625.1	10	10
57. 2,4,6-Trichlorophenol	ND	EPA 625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	ND	EPA 625.1	10	10
59. Acenaphthylene	ND	EPA 625.1	10	10
60. Anthracene	ND	EPA 625.1	5.0	10
61. Benzidine	ND	EPA 625.1	50	50
62. Benzo(a)anthracene	ND	EPA 625.1	5.0	5
63. Benzo(a)pyrene	ND	EPA 625.1	5.0	5
64. 3,4-Benzofluoranthene	ND	EPA 625.1	10	10
65. Benzo(ghi)perylene	ND	EPA 625.1	20	20
66. Benzo(k)fluoranthene	ND	EPA 625.1	5.0	5
67. Bis(2-chloroethoxy) methane	ND	EPA 625.1	10	10
68. Bis(2-chloroethyl) ether	ND	EPA 625.1	10	10
69. Bis(2-chloroisopropyl) ether	ND	EPA 625.1	10	10
70. Bis(2-ethylhexyl) phthalate	ND	EPA 625.1	10	10
71. 4-Bromophenyl phenyl ether	ND	EPA 625.1	10	10
72. Butyl benzyl phthalate	ND	EPA 625.1	10	10
73. 2-Chloronapthalene	ND	EPA 625.1	10	10
74. 4-chlorophenyl phenyl ether	ND	EPA 625.1	10	10
75. Chrysene	ND	EPA 625.1	5.0	5
76. Dibenzo (a,h) anthracene	ND	EPA 625.1	5.0	5
77. 1,2-Dichlorobenzene	ND	EPA 625.1	10	10
78. 1,3-Dichlorobenzene	ND	EPA 625.1	10	10
79. 1,4-Dichlorobenzene	ND	EPA 625.1	10	10
80. 3,3'-Dichlorobenzidine	ND	EPA 625.1	5.0	5
81. Diethyl Phthalate	ND	EPA 625.1	10	10
82. Dimethyl Phthalate	ND	EPA 625.1	10	10
83. Di-n-Butyl Phthalate	ND	EPA 625.1	10	10
84. 2,4-Dinitrotoluene	ND	EPA 625.1	10	10
85. 2,6-Dinitrotoluene	ND	EPA 625.1	10	10
86. Di-n-octyl Phthalate	ND	EPA 625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
87. 1,2-Diphenylhydrazine	ND	EPA 625.1	20	20
89. Fluorene	ND	EPA 625.1	10	10
90. Hexachlorobenzene	ND	EPA 625.1	5.0	5
91. Hexachlorobutadiene	ND	EPA 625.1	10	10
92. Hexachlorocyclopentadiene	ND	EPA 625.1	10	10
93. Hexachloroethane	ND	EPA 625.1	20	20
94. Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)	ND	EPA 625.1	5.0	5
95. Isophorone	ND	EPA 625.1	10	10
96. Naphthalene	ND	EPA 625.1	10	10
97. Nitrobenzene	ND	EPA 625.1	10	10
98. N-nitrosodimethylamine	ND	EPA 625.1	50	50
99. N-nitrosodi-n-propylamine	ND	EPA 625.1	20	20
100. N-nitrosodiphenylamine	ND	EPA 625.1	20	20
101. Phenanthrene	ND	EPA 625.1	10	10
102. Pyrene	ND	EPA 625.1	10	10
103. 1,2,4-Trichlorobenzene	ND	EPA 625.1	10	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin				0.01
105. Alpha-BHC				0.05
106. Beta-BHC				0.05
107. Gamma-BHC				0.05
108. Delta-BHC				0.05
109. Chlordane				0.2
110. 4,4'-DDT				0.02
111. 4,4'-DDE (p,p-DDX)				0.1
112. 4,4'-DDD 9(p,p-TDE)				0.1
113. Dieldrin				0.02
114. Alpha-endosulfan				0.01
115. Beta-endosulfan				0.02
116. Endosulfan sulfate				0.1
117. Endrin				0.02
118. Endrin aldehyde				0.1
119. Heptachlor				0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)				0.01
130. Chlorpyrifos				0.07
121. PCB-1242				0.2
122. PCB-1254				0.2
123. PCB-1221				0.2
124. PCB-1232				0.2
125. PCB-1248				0.2
126. PCB-1260				0.2
127. PCB-1016				0.2
128. Toxaphene				0.3