Jacksonville Wastewater Utility

248 Cloverdale Road, Jacksonville, AR 72076
Phone: 501/982-0581 Fax: 501/982-5791

February 12, 2009

Mr. Rufus Torrence
Pretreatment Coordinator, NPDES Branch
ADEQ
5301 North Shore Drive
North Little Rock, AR 72118

Subject: 2008 Pretreatment Report - AR0041335

Dear Mr. Torrence:

Enclosed please find the Jacksonville Wastewater Utility's Annual Pretreatment Program Status Report as required by NPDES Permit No. AR0041335. All industries have complied with their Industrial Wastewater Discharge Permits in 2008.

If you have any questions concerning the information contained in the attached report or should you require any additional information, please contact me at (501) 982-0581.

Sincerely,

JACKSONVILLE WASTEWATER UTILITY

Jon Boyles
Pretreatment Coordinator

Cc: Ms. Anne Roberts, ADEQ
NPDES Enforcement Administrator

ENCLOSURES

JACKSONVILLE WASTEWATER UTILITY
2008 Pretreatment Program Status Report

1. INTRODUCTION

The Jacksonville Wastewater Utility submits the following report pursuant to our AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT, Permit Number: AR0041335, Part III Other Conditions, paragraph 1, d. The determination of Significant Noncompliance of an Industrial User was made by application of the criteria published in the July 24, 1990 Federal Register, amending 40 CFR 403.

2. INDUSTRIAL PRETREATMENT PROGRAM OVERVIEW

The Jacksonville Wastewater Utility currently has eleven (11) permitted significant industrial users. One of these, significant industrial users, is a categorical industry. This industry, Ashland Specialty Chemical Corporation, which is a zero discharger, regulated under 40 CFR 414. Below is a brief synopsis of all industrial users and their status.

A. **Ashland Specialty Chemical Corporation** - This facility is a manufacturer of polyester resins and does not discharge any process water to the sanitary sewer but is permitted for spill control. The Industrial Wastewater Discharge Permit (IWDP) for this facility was renewed on January 1, 2008 and expires on December 31, 2010. The permit prohibits the discharge of any process wastewater that would be regulated by the OCSFR category (40 CFR 414). This facility was determined to be categorical industry in May 2004 by Mr. Allen Gilliam, ADEQ State Pretreatment Coordinator. This facility is aware of the requirements necessary to receive permission to discharge any regulated process wastewater. This facility experienced no violations of their IWDP in 2008 and currently has a valid IWDP for spill & slug protection and control.

B. **Cold Extrusion Company of America (CECA LLC.)** - This company is currently regulated under the pretreatment requirements located in 40 CFR 433 (Metal Finishing Industries). This facility's categorical process is the phosphatization of metal blanks used for the extrusion of metal tubing. The facility ceased production in January 2008 and the facility ceased operations in February 2008. An inspection was performed in February 2008 to determine proper disposal of all chemicals, wash and rinse solutions and the sump water for the air compressors. A return inspection on June 18, 2008, showed all waters removed and properly disposed. The IWDP and the facility were closed on June 19, 2008.

C. **National Swage** - This plant manufactures swaging (a suspended cable harness) equipment, cable locks, and related items for heavy machinery, oil refinery-production, and construction. National Swage's alkaline cleaner tank (rinse water) is the only source of process wastewater, which produces very little wastewater. The IWDP for this facility was renewed on January 1, 2008 and will expire on December 31, 2010. In January 2003, National Swage completed a project that allows their facility to recycle all their process and cooling waters, which allows for zero process water discharge. The facility experienced no violation of their IWDP for the year 2008 and National Swage currently holds a valid IWDP for spill & slug protection and control.

D. **Graphic Packaging Inc.** – This facility was formerly named Altivity Packaging Inc. and Smurfit-Stone Container Corporation. The facility manufactures and prints paper bags. Processes at this facility consist of gluing paper and printing. This facility operates an ALAR Filtration Pretreatment system for copper removal. The IWDP for this facility was renewed, effective January 1, 2009 and will expire on December 31, 2011. The facility experienced no violations of their IWDP in 2008 and has a currently has a valid IWDP.

E. **Little Rock Air Force Base** - Little Rock Air Force Base (LRAFB) is a Department of Defense facility with the majority of their flow generated from domestic activities. LRAFB is a community of 10,000 people, with 1500 homes, and additional discharge from 2 dinning halls, a club, 2 lounges, 2 fast food restaurants, 2 gas stations, 2 aircraft maintenance shops, an engine repair facility, 2 aircraft washing facilities, an automotive/vehicle repair facility, and a dry airplane painting facility. LRAFB's IWDP was renewed on January 1, 2009 and expires on December 31, 2011. The facility has experienced no violation of their Industrial Wastewater Discharge Permit in 2008 and LRAFB currently holds a valid IWDP.

F. **North Metro Medical Center** – (formerly Rebsamen Medical Center) is a complete service hospital. Sources of process wastewater other than patient care are the radiology department that uses silver recovery system to recover silver from the waste stream, the pathology laboratory which uses formalin to preserve tissue samples for examination and testing and the cafeteria, which has an in-ground grease trap. The IWDP for this facility was renewed on January 1, 2007 and expires on December 31, 2009. North Metro Medical Center experienced no discharge violations of their IWDP in 2008 and currently has a valid IWDP.

G. **Triangle Engineering Inc.** – Triangle Engineering Inc. manufactures workshop, industrial, agricultural, and portable electrical fans. This facility currently operates an alkaline cleaner tank for surface preparation of metal parts. The alkaline cleaner tank ceased disposal to the sanitary sewer on April 18, 2008. The IWDP for this facility was closed on May 30, 2008.

H. **UNIVAR USA Inc.** – UNIVAR USA Inc. is primarily a chemical distribution operation but it does have a small barrel (chemical totes) washing operation to reclaim and reuse barrels that have contained acid and caustics. This operation results in the discharge of a 2000-gallon batch discharge. Pollution Prevention (P2) activities such as reusable dedicated chemical totes, non-acceptance of any tote containing a heel of 1" or more in volume and the non-acceptance of totes other than those labeled UNIVAR (Vopak or Van Waters and Rogers), have enabled UNIVAR to reduce the amount of washing activities needed. UNIVAR has not discharged wash water during the year 2008. The IWDP for this facility was renewed on January 1, 2009 and expires on December 31, 2011. UNIVAR experienced no violations of their IWDP in 2008 and currently has a valid IWDP.

I. **Two Pine Landfill** (a Waste Management Company) – Two Pine Landfill (TPL), a Class A Landfill, accepts municipal and commercial (non-industrial) wastes from the central Arkansas area. The Industrial Wastewater Discharge Permit for this facility was renewed on October 10, 2006 and expires on October 9, 2009, for the discharge of Landfill Leachate to Jacksonville Wastewater Utility. The leachate arrives at the J. Albert Johnson Regional Treatment Facility in a six-thousand (6,000) gallon tanker truck. The leachate is mixed with the influent wastewater stream for treatment. TPL experienced no violations of their IWDP in 2008 and currently has a valid IWDP.

J. **Arkansas Portable Toilets** (dba Little John's Portable Toilets and Arkansas Portable Toilets) – Arkansas Portable Toilets (APT) services portable toilets in the central Arkansas area. Chemicals used are prepackaged and intended for approximately one time use per portable toilet. The Industrial Wastewater Discharge Permit for this facility was renewed on September 1, 2008 and expires on August 31, 2010, for the discharge of Portable Toilet Waste to Jacksonville Wastewater Utility. APT experienced no violations of their IWDP in 2008 and currently has a valid IWDP.

K. **Dirty Work Inc.** – Dirty Work Inc. (DWI) plans to wash vehicles on site, collect the wash water, and discharge the wash water after sediment filtration to JWU. The sediment collected will be disposed into the garbage for disposal at a landfill. DWI intends to use a mild detergent (Dawn) for cleaning purposes. DWI has not discharged to JWU, but upon discharge, samples will be collected for the BMR. The Industrial Wastewater Discharge Permit for this facility was issued in 2007 and expires on January 1, 2010. DWI experienced no violations of their IWDP in 2008 and currently has a valid IWDP.

L. **Metro Portable Toilets** – Metro Portable Toilets (MPT) services portable toilets in the central Arkansas area. Chemicals used are prepackaged and intended for approximately one time use per portable toilet. The IWDP for this facility was issued for the facility on August 1, 2007 and the IWDP expires on December 31, 2009. MPT experienced no violations of their IWDP in 2008 and currently has a valid IWDP.

M. **All Type Plumbing Co.** (dba U.S. Rooter) -- All Type Plumbing Inc. (ATPI) services septic tanks in the central Arkansas area. The IWDP for this facility was issued on October 25, 2007 and expires on January 1, 2010. The IDWP was issued for the disposal of domestic septage to JWU. ATPI experienced no violations of their IWDP in 2008 and currently has a valid IWDP.

3. PRIORITY POLLUTANT SCAN AND QUARTERLY ANALYSIS

The Utility is required by AR0041335, part III, (c), to perform an analysis of the Influent and Effluent flows for those pollutants listed in 40 CFR 122, Appendix D, Table III, at least once/quarter except Antimony, Beryllium, Selenium, Thallium, and Cyanide which are required to be analyzed at least once/year and is required to perform an analysis of the Influent and Effluent flows for those pollutants listed in 40 CFR 122, Appendix D, Table II, once/year.

4. SLUDGE MONOFILL MONITORING

As required by Jacksonville Wastewater Utility's Solid Waste Permit #219-S, the Utility has performed an analysis on the four monitoring wells and sludge for the pollutant parameters listed in the permit twice a year. In addition, sludge is monitored according to USEPA 40 CFR 503 regulations.

5. PRETREATMENT PERFORMANCE SUMMARY

Attached to this report is a copy of the completed EPA forms "Pretreatment Performance Summary", "Updated Significant Industrial User List", Significant Violators - Enforcement Actions Taken", and monitoring results.

6. PRETREATMENT INVESTIGATIVE TECHNIQUES AND OUTREACH PROGRAM

- The Utility has a program in effect that periodically checks and inspects the oil/water interceptors, sand traps, and grease interceptors to determine and observe the cleanliness and functioning of these pretreatment devices.
- The Utility has a program that will inspect the health care providers within the service area for proper disposal techniques for silver and mercury.
- The Pretreatment Coordinator is a certified Plumbing Inspector and is able to conduct Plumbing inspections of Commercial and or Industrial firms to determine if pretreatment devices are necessary before the facility opens for business.
- The City of Jacksonville collects Privilege Tax from all commercial businesses. A representative from the Laboratory or Pretreatment .Departments will inspect prior businesses prior receiving permission to open to the public and JWU is on the inspection list, so that any new business that creates a process wastewater stream will be evaluated by the Pretreatment Department for treatability.

7. PUBLICATION OF INDUSTRIAL USERS IN SIGNIFICANT NONCOMPLIANCE

All Jacksonville Wastewater Utility's Significant IUs were in compliance with their IWDP for the year 2008.

PRETREATMENT PERFORMANCE SUMMARY (PPS) PERMIT # AR0041335

NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY THE EPA. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT EPA AUTHORIZATION.

I. General Information

Control Authority Name	Jacksonville Wastewater Utility		
Address	248 Cloverdale Road		
City	Jacksonville	State/Zip	AR 72076
Contact Person	Jon Boyles	Position	Pretreatment Coordinator
Contact Telephone Number	(501) 982-0581		
NPDES Permit Nos.	AR 0041335		
Reporting Period	January 1, 2008 through December 31, 2008		
Total Number of Categorical IUs	One (1)⊙		
Total Number of Significant Noncategorical IUs	Ten(10)⊙		

⊙Two IU's (CECA & Triangle Engineering) voluntarily closed their IWDP's last year. CECA's permit was closed due to the plant being closed (January) and all equipment and chemicals were removed and/or disposed of properly. Triangle Engineering's alkaline wash and rinsing operation discharge was sealed and closed to prevent discharge to the sanitary sewer. This eliminated the need for an IWDP.

II. Significant Industrial User Compliance

		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of SIUs Submitting BMRs*/Total No. Required	1/1	9*/10
2	No. of SIUs Submitting 90-Day Compliance Reports/No. Required	0/0	0/0
3	No. of SIUs Submitting Semiannual Reports/Total No. Required	1/1	1/1
4	No. of SIUs Meeting Compliance Schedule/Total No. Required to Meet Schedule	0/0	0/0
5.	No. of SIUs in Significant Noncompliance/Total No. of SIUs*	0/1	0/10*
6	Rate of Significant Noncompliance for all SIUs*	0/11*	

* Dirty Work Inc. was permitted in 2007 to dispose of dirty vehicle wash water at JWU. The IU is able to wash and rinse vehicles on the site. A plastic sheet that has a berm around the edges is placed down, to collect the wash and rinse waters and using a "shop vac" and transport the dirty waters to JWU for disposal at the treatment plant.

III. Compliance Monitoring Program			
1	No. of Control Documents Issued/Total No. Required	1/1	10/10
2	No. of Nonsampling Inspections Conducted	3	7₪
3	No. of Sampling Visits Conducted	3	12
4	No. of Facilities Inspected (nonsampling)	2	9*
5	No. of Facilities Sampled	1/1	5◙/10
6	No. of Facilities Closed / Control Document Closed⊙	1/1⊙	1/1⊙

₪Inspections were not conducted at the following permit holders: Metro Portable Toilets, Arkansas Portable Toilets, U. S. Rooter, and Dirty Work Inc. These facilities do not have a building to stage their operations from and their equipment was inspected before issuing an IWDP.

◙ These facilities did not discharge process waters to JWU during the year: UNIVAR Inc., Dirty Work Inc., Crosby National Swage, and Metro Portable Toilets.

IV. Enforcement Actions			
		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of Compliance Schedules Issued/No. of Schedules Required	0	0
2	No. of Notices of Violations issued to SIUs	0	0
3	No. of Administrative Orders Issued to SIUs	0	0
4	No. of Civil Suits Filed	0	0
5	No. of Criminal Suits Filed	0	0
6	No. of Significant Violators (attach newspaper publication)	0	0
7	Amount of Penalties Collected (total dollars/IUs assessed)	0	0
8	Other Actions (sewer bans, etc.)	0	0

The following certification must be signed in order for this form to be considered complete:
I certify that the information contained herein is complete and accurate to the best of my knowledge.

Sam Zehtaban

2/12/09

Authorized Representative

Date

Sam Zehtaban, Administrative Operations Manager

Attachment A

CITY OF JACKSONVILLE NPDES PERMIT # AR0041335

2008 PRETREATMENT PROGRAM STATUS REPORT

Facility Name	SIC	Categorical Determination	Control Document		New User	Times Inspected	Times Sampled	Compliance Status				
								Reports				Discharge
			Last Action	Y/N				BMR	90 Day Compliance	Semi-Annual	Self Monitoring	Permit Limits
Ashland Specialty Chemical Company 1*	2821	Categorical # 40 CFR 414	RENEWED 1-1-08	Y	N	1	2	N/A	N/A	C	C	C
Arkansas/Go Potty/ L J's Portable Toilets 4*	7359	Noncategorical	RENEWED 9-1-08	Y	N	0	1	N/A	N/A	C	C	C
CECA LLC	**3462 & 3599**	**Categorical # 40 CFR 433**	**CLOSED 6-18-08**	Y	N	2	1	N/A	N/A	C	C	C
Metro Portable Toilets 2* , 4*	7359	Noncategorical	ISSUED 8-1-07	Y	N	0	0	YES	N/A	C	C	C
All Type Plumbing Inc. 4*	7699	Noncategorical	ISSUED 10-25-07	Y	N	0	1	YES	N/A	C	C	C
Dirty Work Inc 3*., 4*	7542	Noncategorical	ISSUED 6-25-07	Y	Y	0	0	NO	N/A	C	C	C
Little Rock Air Force Base	9711	Noncategorical	RENEWED 1-1-09	Y	N	1	2	N/A	N/A	C	C	C
National Swage 1*	3429 & 3542	Noncategorical	RENEWED 1-1-08	Y	N	1	0	N/A	N/A	C	C	C
N. M. MET. CTR. (Rebsam Med Ctr)	8062	Noncategorical	RENEWED 1-1-07	Y	N	1	2	N/A	N/A	C	C	C
Graphic Packaging Inc.	2673, 2674, 2679, & 2759	Noncategorical	RENEWED 1-1-09	Y	N	1	3	N/A	N/A	C	C	C
Two Pine Landfill	4953	Noncategorical	RENEWED 10-10-06	Y	N	1	2	N/A	N/A	C	C	C
Triangle Engineering	**3449 & 3479**	**Noncategorical**	**CLOSED 5-30-08**	Y	N	1	0	N/A	N/A	C	C	C
UNIVAR USA Inc. 2*	5169	Noncategorical	RENEWED 1-1-09	Y	N	1	0	N/A	N/A	C	C	C

1* This facility,discharges domestic wastewater only, permit issued because IU determined categorical, IWDP also as an spill control mechanism.

2* No process water discharge in 2008.

3* New Permitee (2007), has not generated wastewater for discharge by end of 2008.

4* IU not Inspected, mobile equipment is checked during discharge at treatment plant.

C = Compliance, NC = Noncompliance, SNC = Significant Noncompliance, RD = Received, NR = Not Required, and N/A = Not Applicable

ATTACHMENT B

SIGNIFICANT VIOLATIONS - ENFORCEMENT ACTIONS TAKEN

Industrial User Name	Nature of Violation		Number of Action Taken					Penalties Collected	Compliance Schedule		Current Status	Comments
	Reports	Limits	N.O.V.	A.O.	Civil	Criminal	Other		Date Issued	Date Due		
None	None	None	None	None	None	None	None	None	None	None	None	None

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT
REPORTING YEAR: January 2008 to July 2008
TREATMENT PLANT: City of Jacksonville, AR 0041335
AVERAGE POTW FLOW: 5.0 MGD % IU FLOW: 2.0 %

METALS, CYANIDE and PHENOLS (Total) MAHC ug/l (2)		INFLUENT DATES SAMPLED (ug/L) Once/quarter				WQ level/ limit mg/l (2)	EFFLUENT DATES SAMPLED (ug/L) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date4	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
		2/15/08	5/15/08				2/15/08	5/15/08					
Antimony	N/A	N/A	N/A			N/A	N/A	N/A			60	200.7	60.0
Cadmium		1.0	10				1.0	<0.1			1.0	200.8	1.0
Copper		1.5	3.2				<10.0	<10.0			10.0	200.8	10.0
Lead		<0.5	<0.5				<0.5	<0.5			0.5	200.7	5.0
Mercury		0.034	0.062				0005	<0.005			0.005	245.7	0.005
Nickel		<40.0	<40.0				<40.0	<40.0			0.5	200.7	40.0
Selenium		N/A	N/A				N/A	N/A			5.0	200.7	5.0
Silver		<0.2	<0.4				<2.0	<2.0			0.5	200.7	2.0
Zinc		8.7	10.9				38.0	35.0			20	200.7	20.0
Chromium		<10.0	<10.0				<10.0	<10.0			10	207.7	10.0
Cyanide		N/A	N/A				N/A	N/A			10	335.2	20.0
Arsenic		<10.0	<10.0				<10.0	<10.0			0.5	200.7	10.0
Molybdenum		N/A	N/A			N/A	N/A	N/A			--	--	--
Phenols	N/A	5.4.	9.9			N/A	<5.0	26.0			5	420.1	5.0
Beryllium		N/A	N/A				N/A	N/A			0.5	200.7	5.0
Thallium	N/A	N/A	N/A			N/A	NA	NA			0.5	200.7	10.0
Flow, MGD	N/A	5.6	5.9			N/A	6.5	6.2					
(3)													

.MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT
REPORTING YEAR: August 2008 to December 2008
TREATMENT PLANT: City of Jacksonville, AR 0041335
AVERAGE POTW FLOW: 5.0 MGD % IU FLOW: 2.0 %

METALS, CYANIDE and PHENOLS (Total) MAHC ug/l (2)		INFLUENT DATES SAMPLED (ug/l) Once/quarter				WQ level/ limit mg/l (2)	EFFLUENT DATES SAMPLED (ug/l) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
				8/5/08	10/22/08			8/5/08	9/10/08	10/22/08			
Antimony	N/A			<60.0	N/A	N/A		<60.0	N/A	N/A	60	200.7	60
Cadmium				<0.5	0.125			<0.5	N/A	<0.5	0.5	200.8	0.5
Copper				32.0	13.0			8.16	N/A	9.08	0.5	200.8	0.5
Lead				1.960	0.916			<0.5	N/A	<0.5	0.5	200.8	0.5
Mercury				0.018	0.010			<0.005	N/A	<0.005	0.005	245.7	0.005
Nickel				1.880	2.630			0.529	N/A	2.520	0.5	200.8	0.5
Selenium				<5.0	N/A			<5.0	N/A	N/A	5	200.7	5
Silver				1.320	<0.5			<0.5	N/A	<0.5	0.5	200.8	0.5
Zinc				107.0	42.0			49.0	N/A	36.0	20	200.7	20
Chromium				<10.0	<0.01			<10.0	N/A	<10.0	10	207.7	10
Cyanide				<10.0	N/A			<10.0	N/A	N/A	10	SM 18th 4500-CN E	10
Arsenic				1.11	N/A			0.835	N/A	0.752	0.5	200.8	0.5
Molybdenum	N/A			N/A	N/A	N/A		N/A	N/A	N/A	--	--	--
Phenols	N/A			<5.0	43.0	N/A		73.0	<5.0	<5.0	5	420.1	5
Beryllium				<0.5	N/A			<0.5	N/A	N/A	0.5	200.8	0.5
Thallium	N/A			<0.5	N/A	N/A		<0.5	N/A	N/A	0.5	200.8	0.5
Flow, MGD	N/A			3.6	5.1	N/A		4.76	6.42	6.07			
(3) Bis (2-ethylhexyl) phthalate				34.66		(3) Dibenzo (a,h)anthracene				6.4			
(3) Diethyl phthalate				4.02		(3) Hexachlorobenzene				5.6			
(3) Di-n-butyl phthalate				2.33		3) Indeno(1,2,3-cd) pyrene				5.51			

						4) 4,4' -DDT				39.0			
						5) Alpha-endosulfan				16.0			
						6) Endrin				24.0			
						7) Endrin aldehyde				15.0			
						8) Heptachlor epoxide				12.0			

(1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. **Analytical MQLs must be met for the effluent (not required but, SHOULD also be met for the influent) so the data can also be used for future Local Limits re-evaluation/assessments and NPDES application purposes.**

(2) The value MAHC (= MAHL / 8.34 X Avg. POTW flow in MGD) was calculated during the development of TBLL based on State WQ criteria, EPA guidance and ADEQ Pretreatment staff Excel spreadsheets.

(3) Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the quantity at which they were detected.

MAHC - Maximum Allowable Headworks Concentration

WQ - "Water Quality Levels not to be exceeded" OR actual permit limit.

J. Albert Johnson Regional Treatment Facility NPDES PERMIT # AR0041335 METALS AND CYANIDE RESULTS (Final Effluent) August 5 – 6, 2008	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
1. Antimony (Total), Recoverable	0.0	200.7	60.0	60
2. Arsenic (Total), Recoverable	0.835	200.8	0.5	0.5
3. Beryllium (Total), Recoverable	0.0	200.8	0.5	0.5
4. Cadmium (Total), Recoverable	0.0	200.8	0.5	0.5
5. Chromium (Total), Recoverable	0.0	200.7	10.0	10
7. Chromium (6+), Dissolved	N/A	N/A	N/A	10
8. Copper (Total), Recoverable	8.16	200.8	0.5	0.5
9. Lead (Total), Recoverable	0.0	200.8	0.5	0.5
10. Mercury (Total), Recoverable	0.000	245.7	0.005	0.005
12. Nickel (Total), Recoverable	0.5290	200.8	0.5	0.5
13. Selenium (Total), Recoverable	0.0	200.8	5.0	5
14. Silver (Total), Recoverable	0.0	200.8	0.5	0.5
15. Thallium (Total), Recoverable	0.0	200.8	0.5	0.5
16. Zinc (Total), Recoverable	49.0	200.7	20.0	20
129. Phenols, (Total), Recoverable	73.0	420.1	5.0	5
17. Cyanide (Total), Recoverable	0.0	SM 18TH 4500 CN-E	10.0	10

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	0.0	624	10.53	50
20. Acrylonitrile	0.0	624	4.82	20
21. Benzene	0.0	624	0.45	10
22. Bromoform	0.0	624	2.53	10
23. Carbon Tetrachloride	0.0	624	0.57	2
24. Chlorobenzene	0.0	624	0.58	10
25. Chlorodibromomethane	0.0	624	0.71	10
26. Chloroethane	0.0	624	9.24	50
27. 2-Chloroethyl vinyl ether	0.0	624	8.30	10
28. Chloroform	0.0	624	0.72	10
29. Dichlorobromomethane	0.0	624	0.55	10
30. 1,1-Dichloroethane	0.0	624	2.35	10
31. 1,2-Dichloroethane	0.0	624	2.16	10
32. 1,1-Dichloroethylene	0.0	624	1.73	10
33. 1,2-Dichloropropane	0.0	624	2.65	10
34. 1,3-Dichloropropylene	0.0	624	1.14	10
35. Ethylbenzene	0.0	624	0.18	10
36. Methyl Bromide [Bromomethane]	0.0	624	1.04	50
37. Methyl Chloride [Chloromethane]	0.0	624	0.65	50
38. Methylene Chloride	0.0	624	2.51	20
39. 1,1,2,2-Tetrachloroethane	0.0	624	2.31	10
40. Tetrachloroethylene	0.0	624	0.50	10
41. Toluene	0.0	624	0.33	10
42. 1,2-trans-Dichloroethylene	0.0	624	2.14	10
43. 1,1,1-Trichloroethane	0.0	624	0.37	10
44. 1,1,2-Trichloroethane	0.0	624	2.37	10
45. Trichloroethylene	0.0	624	0.78	10
46. Vinyl Chloride	0.0	624	0.81	10

ACID COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
47. 2-Chlorophenol	0.0	625	1.25	10
48. 2,4-Dichlorophenol	0.0	625	1.82	10
49. 2,4-Dimethylphenol	0.0	625	1.50	10
50. 4,6-Dinitro-o-Cresol [2 methyl 4,6-dinitrophenol	0.0	625	1.66	50
51. 2,4-Dinitrophenol	0.0	625	2.65	50
52. 2-Nitrophenol	0.0	625	1.25	20
53. 4-Nitrophenol	0.0	625	1.69	50
54. P-Chloro-m-Cresol [4 chloro-3-methylpheno1]	0.0	625	0.73	10
55. Pentachlorophenol	0.0	625	1.07	5
56. Phenol	0.0	625	0.67	10
57. 2,4,6-Trichlorophenol	0.0	625	2.77	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	0.0	625	1.04	10
59. Acenaphthylene	0.0	625	1.01	10
60. Anthracene	0.0	625	1.26	10
61. Benzidine	0.0	625	3.26	50
62. Benzo(a)anthracene	0.0	625	2.22	5
63. Benzo(a)pyrene	0.0	625	4.33	5
64. 3,4-Benzofluoranthene	0.0	625	3.05	10
65. Benzo(ghi)perylene	0.0	625	2.71	20
66. Benzo(k)fluoranthene	0.0	625	4.06	5
67. Bis(2-chloroethoxy) methane	0.0	625	1.32	10
68. Bis(2-chloroethyl) ether	0.0	625	3.96	10
69. Bis(2-chloroisopropyl) ether	0.0	625	2.96	10
70. Bis(2-ethylhexyl) phthalate	0.0	625	3.19	10
71. 4-Bromophenyl phenyl ether	0.0	625	4.06	10
72. Butyl benzyl phthalate	0.0	625	3.04	10
73. 2-Chloronapthalene	0.0	625	1.69	10
74. 4-Chlorophenyl phenyl ether	0.0	625	2.48	10
75. Chrysene	0.0	625	2.04	5
76. Dibenzo (a,h) anthracene	<6.4	625	6.44	5
77. 1,2-Dichlorobenzene	0.0	625	0.49	10
78. 1,3-Dichlorobenzene	0.0	625	0.76	10
79. 1,4-Dichlorobenzene	0.0	625	0.29	10
80. 3,3'-Dichlorobenzidine	0.0	625	1.54	5
81. Diethyl Phthalate	0.0	625	2.43	10
82. Dimethyl Phthalate	0.0	625	1.36	10
83. Di-n-Butyl Phthalate	0.0	625	2.27	10
84. 2,4-Dinitrotoluene	0.0	625	3.60	10
85. 2,6-Dinitrotoluene	0.0	625	1.99	10
86. Di-n-octyl Phthalate	0.0	625	3.40	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	0.0	625	7.30	20
89. Fluorene	0.0	625	2.40	10
90. Hexachlorobenzene	<5.6	625	5.66	5
91. Hexachlorobutadiene	0.0	625	2.56	10
92. Hexachlorocyclopentadiene	0.0	625	2.75	10
93. Hexachloroethane	0.0	625	1.81	20
94. Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)	<5.51	625	5.51	5
95. Isophorone	0.0	625	1.10	10
96. Naphthalene	0.0	625	0.81	10
97. Nitrobenzene	0.0	625	1.45	10
98. N-nitrosodimethylamine	0.0	625	3.41	50
99. N-nitrosodi-n-propylamine	0.0	625	2.92	20
100. N-nitrosodiphenylamine	0.0	625	3.66	20
101. Phenanthrene	0.0	625	0.71	10
102. Pyrene	0.0	625	4.50	10
103. 1,2,4-Trichlorobenzene	0.0	625	1.76	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin	0.0	608	0.01	0.01
105. Alpha-BHC	0.0	608	0.031	0.05
106. Beta-BHC	0.0	608	0.004	0.05
107. Gamma-BHC	0.0	608	0.011	0.05
108. Delta-BHC	0.0	608	0.008	0.05
109. Chlordane	0.0	608	0.100	0.2
110. 4,4'-DDT	<0.039	608	0.039	0.02
111. 4,4'-DDE (p,p-DDX)	0.0	608	0.008	0.1
112. 4,4'-DDD 9(p,p-TDE)	0.0	608	0.014	0.1
113. Dieldrin	0.0	608	0.004	0.02
114. Alpha-endosulfan	<0.016	608	0.016	0.01
115. Beta-endosulfan	0.0	608	0.094	0.02
116. Endosulfan sulfate	0.0	608	0.100	0.1
117. Endrin	<0.024	608	0.024	0.02
118. Endrin aldehyde	<0.015	608	0.015	0.1
119. Heptachlor	0.0	608	0.005	0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)	<0.012	608	0.012	0.01
130. Chlorpyrifos	0.0	608	0.07	0.07
121. PCB-1242	0.0	8082	0.05	0.2
122. PCB-1254	0.0	608	0.05	0.2
123. PCB-1221	0.0	608	0.05	0.2
124. PCB-1232	0.0	608	0.05	0.2
125. PCB-1248	0.0	608	0.05	0.2
126. PCB-1260	0.0	608	0.05	0.2
127. PCB-1016	0.0	8082	0.05	0.2
128. Toxaphene	<0.50	608	0.05	0.3

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