

**From:** [Gilliam, Allen](#)  
**To:** [james.house@kohler.com](mailto:james.house@kohler.com)  
**Cc:** [Burrow, Kealey](#); [Peltier, Hannah](#); [sheridan david fitzgerald](#)  
**Subject:** AR0034347\_Kohler ARP000021 July 2015 semi annual Pretreatment report\_20150727  
**Date:** Tuesday, July 28, 2015 3:40:19 PM  
**Attachments:** [Kohler's July 2015 Semi-Annual Pretreatment Report.pdf](#)

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James,

Kohler's July 2015 semi-annual report was received on 7/16/15, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically with the Metal Finisher's standards in 40 CFR 433.15. No further action is deemed necessary at this time.

As a reminder and for the records, Kohler must keep its analytical results on file for review or copying purposes for a minimum of three (3) years per 40 CFR 403.12(o)(2). Its realized Kohler samples/analyzes its discharged wastewater weekly and the analytical results would be too voluminous to semi-annual report.

Again, it is wished Kohler and authorized City representatives from Sheridan could convene a meeting to re-authorize Kohler's wastewater discharge to the City's sewage collection system. No permit, ordinance, agreement, etc. can be found to substantiate any restrictions or requirements the City has placed on Kohler. There should be some form of a legal document from the City authorizing and placing appropriate Pretreatment conditions and requirements on Kohler's wastewater discharge. Both entities should feel slightly vulnerable without some form of control document.

Mr. Fitzgerald? Do you think you can help make this meeting happen?

If there are further questions or comments please feel free to contact this office.

Sincerely,

Allen Gilliam  
ADEQ State Pretreatment Coordinator  
501.682.0625

ec: David Fitzgerald, Sheridan's Water Works Manager

E/NPDES/NPDES/Pretreatment/Reports

A165ZF

July 13, 2015

**KOHLER.**

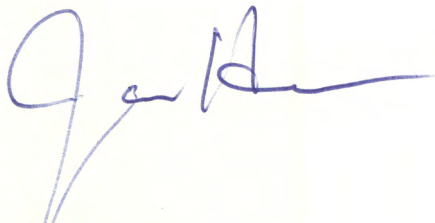
Mr. Allen Gilliam  
NPDES Pretreatment Engineer  
Arkansas Department of Environmental Quality  
5301 Northshore Drive, North Little Rock, AR 72118

Re: **SEMI-ANNUAL REPORT 1St HALF 2015**

*Allen AE*  
Dear ~~Mr. Torrence~~,

In accordance with 40CFR403.12 (e) we are submitting semi-annual reports for the months January 1, 2015 through June 30, 2015. Attached with this report is the TTO/CN analysis for this period. Please contact me at 870-917-6215 should you have any questions.

Sincerely,



James House  
Safety/Environmental Specialist

Attachments: TTO/CN Analysis for the 1st half of 2015

Cc: Jim Bilgo, EHS Supervisor, Kohler, WI  
Erika Strand, Global Faucets Program Coordinator  
David Fitzgerald, Sheridan Waterworks  
File

*Complete / compliant  
no further action necessary*  
*AE*  
**RECEIVED**  
JUL 16 2015  
148206 KB

# SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

<b>(1) IDENTIFYING INFORMATION</b>	
<b>A. LEGAL NAME &amp; MAILING ADDRESS</b> KOHLER Company  Sheridan, AR 72150	<b>B. FACILITY &amp; LOCATION ADDRESS</b> 415 S. Oklahoma St. Sheridan, AR 72150
<b>C. FACILITY CONTACT: JAMES HOUSE</b> <span style="float: right;"><b>TELEPHONE NUMBER: 870-942-2111</b></span>	
<b>(2) REPORTING PERIOD-- FISCAL YEAR From January 1 to December 31</b> <span style="float: right; font-size: small;">(Both Semi-Annual Reports must cover Fiscal Year)</span>	
<b>A. MONTHS WHICH REPORTS ARE DUE</b> JANUARY & JULY	<b>B. PERIOD COVERED BY THIS REPORT</b> FROM: January, 2015 TO: June 30, 2015
<b>(3) DESCRIPTION OF OPERATION</b>	
<b>A. REGULATED PROCESSES</b>  <u><b>CORE PROCESS(ES)</b></u> CHECK EACH APPLICABLE BLOCK <input checked="" type="checkbox"/> Electroplating <input checked="" type="checkbox"/> Electroless Plating <input type="checkbox"/> Anodizing <input type="checkbox"/> Coating <input type="checkbox"/> Chemical Etching and Milling <input type="checkbox"/> Printed Circuit Board Manufacture  <u><b>ANCILLARY PROCESS(ES)*</b></u> LIST BELOW EACH PROCESS USED IN THE FACILITY <u>BRAZING</u> <u>ACID/ALKALI CLEANING</u> _____ _____ _____ _____	<b>B. CHANGES:</b> SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.
*SEE 40CFR.10(a) FOR 40 DIFFERENT OPERATIONS	
<b>C. Number of Regular Employees at this Facility</b> <span style="float: right; font-size: large;"><u>258</u></span>	<b>D. [Reserved]</b>

**(4) FLOW MEASUREMENT**

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	75,014	218,800	POTW Continuous
Regulated (Cyanide)	0	0	N/A
§403.6(e) Unregulated*	0	0	N/A
§403.6(e) Dilute	0	0	N/A
Cooling Water	0	0	N/A
Sanitary	26,404	51,988	POTW Continuous
Total Flow to POTW	101,417	295,815	*****

\*"Unregulated" has a precise legal meaning, see 40CFR403.6(e).

**(5) MEASUREMENT OF POLLUTANTS**

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other
- None

B. COMMENTS OF TREATMENT SYSTEM

Treated water samples are sent weekly to commercial lab for analysis. In-house testing performed twice per shift. Results of in-house tests are hand delivered to city each Monday. Monthly DMR is also submitted.

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES-- CORE& ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

Pollutant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN*	TTO*
Max for 1 day	0.69	2.77	3.38	0.69	3.98	0.43	2.61	MDL	2.13
Monthly Ave	0.26	1.71	2.07	0.43	2.38	0.24	1.48	MDL	--
Max Measured	0.005	1.33	0.67	0.015	1.54	0.02	0.5	0.02	0.00
Ave Measured	0.005	0.45	0.23	0.015	0.51	0.02	0.19	0.02	0.00

\*PROVIDE THE CONCENTRATION HERE IF NO CERTIFICATION IS PROVIDED IN SECTION 6 BELOW OR MARK N/A IF A CERTIFICATION IS PROVIDED.

Sample Location #001 AFTER TREATMENT/BEFORE DISCHARGE

Sample Type (Grab or Composite) COMPOSITE

Number of Samples and Frequency Collected 1/WEEK - (IN-HOUSE 2/SHIFT)

40CFR136 Preservation and Analytical Methods Use:  Yes  No

(6) CERTIFICATION

A. CYANIDE CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with pretreatment standards, I certify that to the best of my knowledge, cyanide has not been used or generated in our processes which are regulated by the Metal Finishing (40CFR 433) categorical pretreatment standards since the filing of the last semi-annual compliance report.

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature

B. CHECK ONE:  §433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED  §433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the waste waters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Pollution Control and Ecology.

N/A

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS )  
COUNTY OF \_\_\_\_\_ )

Before me, the undersigned authority, on this day personally appeared \_\_\_\_\_ of \_\_\_\_\_,

a corporation, known to me to be the person whose name is subscribed to the foregoing instruments(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this \_\_\_\_\_ day of \_\_\_\_\_ 2015

Notary Public in and for \_\_\_\_\_  
County, Arkansas

My commission expires \_\_\_\_\_

**(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]**

§6602 [42 U.S.C. 1310] Findings and Policy para (b) Policy - The congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices:

**(8) GENERAL COMMENTS**

ATTACHMENTS:  
 TTO/CN Analysis  
 Semi-Annual Metals Analysis

cc: Erika Strand - KOHLER EHS  
 David Fitzgerald - Sheridan Waterworks  
 File

**(9) SIGNATORY REQUIREMENTS [40CFR403.12(1)]**

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

Mike Mayo  
 NAME OF CORPORATE OFFICIER OR AUTHORIZED REPRESENTATIVE

\_\_\_\_\_  
 SIGNATURE

Director of Arkansas Faucet Operations  
 OFFICIAL TITLE

\_\_\_\_\_  
 DATE SIGNED

DATE	GALLONS	DATE	GALLONS	Date	GALLONS	DATE	GALLONS
1/1/2015	Holiday	2/1/15	119300	3/1/15	53600	4/1/15	84700
1/2/2015	Holiday	2/2/15	116400	3/2/15	84200	4/2/15	93000
1/3/2015	Saturday	2/3/15	116500	3/3/15	87500	4/3/15	Holiday
1/4/2015	Sunday	2/4/15	86100	3/4/15	77600	4/4/15	Saturday
1/5/2015	128100	2/5/15	95100	3/5/15	down	4/5/15	Sunday
1/6/2015	119200	2/6/15	46900	3/6/15	42000	4/6/15	97700
1/7/2015	101300	2/7/15	65500	3/7/15	101400	4/7/15	98300
1/8/2015	99200	2/8/15	54700	3/8/15	53600	4/8/15	97700
1/9/2015	91600	2/9/15	93800	3/9/15	94400	4/9/15	106900
1/10/2015	76300	2/10/15	103900	3/10/15	98800	4/10/15	48900
1/11/2015	74500	2/11/15	113700	3/11/15	99500	4/11/15	41900
1/12/2015	94500	2/12/15	97200	3/12/15	64700	4/12/15	Sunday
1/13/2015	96600	2/13/15	97900	3/13/15	inventory	4/13/15	107000
1/14/2015	112000	2/14/15	51500	3/14/15	86600	4/14/15	104300
1/15/2015	115500	2/15/15	42700	3/15/15	72000	4/15/15	95900
1/16/2015	49400	2/16/15	103500	3/16/15	93900	4/16/15	79300
1/17/2015	116600	2/17/15	105500	3/17/15	109800	4/17/15	62700
1/18/2015	34900	2/18/15	114500	3/18/15	110500	4/18/15	71800
1/19/2015	95700	2/19/15	114500	3/19/15	101000	4/19/15	25800
1/20/2015	96100	2/20/15	80400	3/20/15	104300	4/20/15	110400
1/21/2015	98200	2/21/15	65800	3/21/15	111200	4/21/15	110300
1/22/2015	94100	2/22/15	70000	3/22/15	82500	4/22/15	82900
1/23/2015	82600	2/23/15	63000	3/23/15	85900	4/23/15	120300
1/24/2015	53200	2/24/15	72200	3/24/15	89900	4/24/15	100500
1/25/2015	64500	2/25/15	13500	3/25/15	94500	4/25/15	11000
1/26/2015	86500	2/26/15	87900	3/26/15	93800	4/26/15	22500
1/27/2015	99300	2/27/15	91900	3/27/15	82800	4/27/15	87800
1/28/2015	91200	2/28/15	86800	3/28/15	33400	4/28/15	103900
1/29/2015	105000			3/29/15	34300	4/29/15	96100
1/30/2015	89000			3/30/15	96300	4/30/15	110900
1/31/2015	110300			3/31/15	95500		
<b>AVG</b>	<b>95207</b>		<b>84667</b>		<b>83982</b>		<b>83557</b>
<b>TOTAL</b>	<b>2475400</b>		<b>2370700</b>		<b>2297700</b>		<b>2172500</b>

DATE	GALLONS	DATE	GALLONS
5/1/15	66000	6/1/14	117900
5/2/15	37500	6/2/14	118700
5/3/15	33700	6/3/14	114700
5/4/15	113000	6/4/14	116100
5/5/15	104100	6/5/14	66100
5/6/15	104200	6/6/14	29800
5/7/15	109000	6/7/14	36700
5/8/15	78600	6/8/14	98700
5/9/15	57300	6/9/14	97400
5/10/15	Sunday	6/10/14	86600
5/11/15	84900	6/11/14	101100
5/12/15	99300	6/12/14	25400
5/13/15	104600	6/13/14	24900
5/14/15	98200	6/14/14	14600
5/15/15	86900	6/15/14	103400
5/16/15	43000	6/16/14	125000
5/17/15	37600	6/17/14	121200
5/18/15	98400	6/18/14	103100
5/19/15	95600	6/19/14	56200
5/20/15	95000	6/20/14	50000
5/21/15	102300	6/21/14	Sunday
5/22/15	27100	6/22/14	81200
5/23/15	Saturday	6/23/14	111000
5/24/15	Sunday	6/24/14	107200
5/25/15	Holiday	6/25/14	114200
5/26/15	91000	6/26/14	30400
5/27/15	97600	6/27/14	50300
5/28/15	106200	6/28/14	43200
5/29/15	72400	6/29/14	86100
5/30/15	65200	6/30/15	89300
5/31/15	57000		
	80211		80017
	2165700		2320500



SEMI-ANNUAL REPORT CALCULATION WORKSHEET (January-June)

Process	Average	Maximum	Type of Discharge
Regulated (Carc & Ane)	75014	218800	POTW Continuous
Regulated (Cyanide)	0	0	NA
§403.6(e) Unregulated*	0	0	NA
§403.6(e) Dilute	0	0	NA
Cooling Water	0	0	NA
Sanitary	26404	51988	POTW Continuous
<b>Total Flow to POTW</b>	<b>101,417.39</b>	<b>295,814.75</b>	<b>*****</b>

TOTAL H2O TO PLANT*	NUMBER OF DAYS	AVERAGE GALLONS PER DAY	TOTAL H2O TREATED**	% OF H2O TREATED	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY
18,666,800	184	101417	13802500	74.0%	147700	199688
D6						

TOTAL H2O TREATED**	NUMBER OF DAYS	AVERAGE REGULATED TOTAL	AVERAGE GALLONS PER DAY	AVERAGE SANITARY	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY	MAXIMUM SANITARY
13,802,500	184	75014	101417	26404	147700	199688	51988
		75013.58696	C12	D12	F12		

\*NUMBERS FROM WATER BILLS

\*\*NUMBERS FROM THE ECOLOGY LOG BOOK

Location Meter #	USAGES					
	To Plater	NE Front	SE Front	Plastics	Toilet Seats	Toilet Seats
4097500	4097500	4098000	4099000	4100000	4110000	4111000
January	47,800	753,900	1,899,000		507,300	83,100
February	376,300	706,100	1,583,000		241,200	82,300
March	387,000	939,800	3,960,000		211,800	38,900
April	452,100	779,900	1,731,000		251,600	35,100
May	400,000	921,000	2,000,000		284,900	45,100
June	586,900	669,700	2,260,000		431,500	38,300
<b>6MO Total</b>	<b>2,260,100</b>	<b>4,770,300</b>	<b>13,173,000</b>	<b>0</b>	<b>1,938,300</b>	<b>222,800</b>

Faucet Plant Total 18,660,800

	Cd Max	Cd Avg	Cr Max	Cr Avg	Cu Max	Cu Avg	Pb Max	Pb Avg	Ni Max	Ni Avg	Ag Max	Ag Avg	Zn Max	Zn Avg	TTO Max	TTO Avg	Cn Max	Cn Avg
January			1.33	0.95	0.42	0.26			1.43	0.86			0.5	0.27				
February			0.44	0.33	0.25	0.18			0.49	0.33			0.1	0.05				
March			0.71	0.61	0.67	0.36			1.22	0.55			0.45	0.3				
April			0.41	0.26	0.43	0.22			0.66	0.31			0.18	0.13				
May			0.28	0.19	0.25	0.19			1.54	0.75			0.25	0.24				
June	0.005	0.005	0.55	0.38	0.19	0.16	0.015	0.015	0.34	0.24	0.02	0.02	0.2	0.15			0.02	0.02
Max Measured	0.005		1.33		0.67		0.015		1.54		0.02		0.5		0			0.02
Avg Measured	0.005		0.453333333		0.23		0.015		0.506666667		0.02		0.19		0			0.02



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209  
501-455-3233 Fax 501-455-6118

16 June 2015

James House  
Kohler-Plating - Sheridan  
415 S Oklahoma St.  
Sheridan, AR 72150

Project: Semiannual Wastewater Sample(s)  
Project Number: June 2015  
SDG Number: 1506162

Enclosed are the results of analyses for samples received by the laboratory on 09-Jun-15 14:33. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

<u>Custody Seals</u>	✓
<u>Containers Correct</u>	✓
<u>COC/Labels Agree</u>	✓
<u>Received On Ice</u>	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James / Teresa Coins".

---

Norma James and/or Teresa Coins  
Technical Director and/or QA Officer

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16 June 2015



**James House**  
**Kohler-Plating - Sheridan**  
**415 S Oklahoma St.**  
**Sheridan, AR 72150**  
**Project: Semiannual Wastewater Sample(s)**  
**Project Number: June 2015**  
**Date Received: 09-Jun-15 14:33**

**CASE NARRATIVE**

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Sample Delivery Group – 1506162

**One OR more of the qualifiers described below may appear in this report.**

**QUALITY CONTROL QUALIFIERS:**

<u>Qualifier</u>	<u>Description</u>
E20	Sample used as "parent" for the associated analytical batch.
%D3/S-01 / E1	Surrogate failed to recover within acceptance criteria (%D3/S-01). Results associated with this surrogate were qualified as "estimated" (E1).
B	Present in the Associated Blank
B1	Present in Blank, but Not in the Sample.
%D2 / E5	Laboratory Control Spike (LCS) and/or Laboratory Control Spike Duplicate (LCSD) failed to recover with acceptance criteria (%D2). Associated results were qualified as "estimated" (E5).
%D1	Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) failed acceptance criteria.
MBA	Failed criteria due the high concentration of analyte in the parent sample.
MBI	Failed criteria due an interference in the parent sample.
%D3	Quality Control Surrogate failed acceptance criteria.
NREC	Quality Control Surrogate failed.

**CALIBRATION QUALIFIERS:**

<u>Qualifier</u>	<u>Description</u>
CR	Result above highest calibration standard, but within linear calibration range.
Est3	Result at the instrument was above the concentration of the highest standard in the calibration curve.
E5	Second Source Verification Failure
E7	Internal Standard Response Failure
E11	Initial Calibration Minimum Response Factor Failure
E21	CCV Low
E-01	CCV High

16 June 2015



**James House**  
**Kohler-Plating - Sheridan**  
**415 S Oklahoma St.**  
**Sheridan, AR 72150**  
**Project: Semiannual Wastewater Sample(s)**  
**Project Number: June 2015**  
**Date Received: 09-Jun-15 14:33**

**ANALYTICAL RESULTS**

**Lab Number: 1506162-01**  
**Sample Name: Wastewater Composite**  
**Date/Time Collected: 6/9/15 6:00**  
**Sample Matrix: Water**

<u>Acid Compounds</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
2,4,6-Trichlorophenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,4-Dichlorophenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,4-Dimethylphenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,4-Dinitrophenol	ug/L	< 10.0	E21	6/15/15 19:10	A506191	625 (mod.)
2-Chlorophenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2-Nitrophenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
4-Chloro-3-methylphenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
4-Nitrophenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
4,6-Dinitro-2-methylphenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Pentachlorophenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Phenol	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,4,6-Tribromophenol [surr]	%	73.8		6/15/15 19:10	A506191	625 (mod.)
2-Fluorophenol [surr]	%	67.3		6/15/15 19:10	A506191	625 (mod.)
Phenol-d5 [surr]	%	51.6		6/15/15 19:10	A506191	625 (mod.)
<u>Base/Neutral Compounds</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
1,2,4-Trichlorobenzene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
1,2-Dichlorobenzene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
1,2-Diphenyl Hydrazine	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
1,3-Dichlorobenzene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
1,4-Dichlorobenzene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,3,7,8-TCDD Screen	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,4-Dinitrotoluene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2,6-Dinitrotoluene	ug/L	< 10.0	E-01	6/15/15 19:10	A506191	625 (mod.)
2-Chloronaphthalene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
3,3'-Dichlorobenzidine	ug/L	< 10.0	E-01	6/15/15 19:10	A506191	625 (mod.)
4-Bromophenyl-phenylether	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
4-Chlorophenyl-phenylether	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Acenaphthene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Acenaphthylene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Anthracene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Benzidine	ug/L	< 50.0		6/15/15 19:10	A506191	625 (mod.)
Benzo[a]pyrene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Benzo[b]fluoranthene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Benzo[g,h,i]perylene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Benzo[k]fluoranthene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Benzo (a) anthracene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Bis(2-chloroethoxy)methane	ug/L	< 10.0	E-01	6/15/15 19:10	A506191	625 (mod.)
Bis(2-chloroethyl)ether	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Bis(2-chloroisopropyl)ether	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Bis(2-ethylhexyl)phthalate	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Butylbenzylphthalate	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Chrysene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Dibenz[a,h]anthracene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)

16 June 2015



**James House**  
**Kohler-Plating - Sheridan**  
**415 S Oklahoma St.**  
**Sheridan, AR 72150**  
**Project: Semiannual Wastewater Sample(s)**  
**Project Number: June 2015**  
**Date Received: 09-Jun-15 14:33**

**ANALYTICAL RESULTS**

**Lab Number: 1506162-01**  
**Sample Name: Wastewater Composite**  
**Date/Time Collected: 6/9/15 6:00**  
**Sample Matrix: Water**

<u>Base/Neutral Compounds</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Diethylphthalate	ug/L	< 10.0	E-01	6/15/15 19:10	A506191	625 (mod.)
Dimethylphthalate	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Di-n-butylphthalate	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Di-n-octylphthalate	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Fluorene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Hexachlorobenzene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Hexachlorobutadiene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Hexachlorocyclopentadiene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Hexachloroethane	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Indeno[1,2,3-cd]pyrene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Isophorone	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Naphthalene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Nitrobenzene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
N-Nitrosodimethylamine	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
N-Nitroso-di-n-propylamine	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
N-Nitrosodiphenylamine/diphenylamine	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Phenanthrene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
Pyrene	ug/L	< 10.0		6/15/15 19:10	A506191	625 (mod.)
2-Fluorobiphenyl [surr]	%	63.8		6/15/15 19:10	A506191	625 (mod.)
Nitrobenzene-d5 [surr]	%	65.0		6/15/15 19:10	A506191	625 (mod.)
Terphenyl-d14 [surr]	%	82.1		6/15/15 19:10	A506191	625 (mod.)
<u>Pesticides/PCBs</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Aldrin	ug/L	< 0.010		6/15/15 19:21	A506206	608
alpha-BHC	ug/L	< 0.050		6/15/15 19:21	A506206	608
beta-BHC	ug/L	< 0.050		6/15/15 19:21	A506206	608
gamma-BHC (Lindane)	ug/L	< 0.050		6/15/15 19:21	A506206	608
delta-BHC	ug/L	< 0.050		6/15/15 19:21	A506206	608
Chlordane	ug/L	< 0.200		6/15/15 19:21	A506206	608
4,4'-DDT	ug/L	< 0.020		6/15/15 19:21	A506206	608
4,4'-DDE	ug/L	< 0.100		6/15/15 19:21	A506206	608
4,4'-DDD	ug/L	< 0.100		6/15/15 19:21	A506206	608
Dieldrin	ug/L	< 0.020		6/15/15 19:21	A506206	608
Endosulfan I	ug/L	< 0.010		6/15/15 19:21	A506206	608
Endosulfan II	ug/L	< 0.020		6/15/15 19:21	A506206	608
Endosulfan sulfate	ug/L	< 0.100		6/15/15 19:21	A506206	608
Endrin	ug/L	< 0.020		6/15/15 19:21	A506206	608
Endrin aldehyde	ug/L	< 0.100		6/15/15 19:21	A506206	608
Heptachlor	ug/L	< 0.010		6/15/15 19:21	A506206	608
Heptachlor epoxide	ug/L	< 0.010		6/15/15 19:21	A506206	608
Chlorpyrifos	ug/L	< 0.070		6/15/15 19:21	A506206	608
Aroclor-1242	ug/L	< 0.200		6/15/15 19:21	A506206	608
Aroclor-1254	ug/L	< 0.200		6/15/15 19:21	A506206	608
Aroclor-1221	ug/L	< 0.200		6/15/15 19:21	A506206	608

16 June 2015



James House  
 Kohler-Plating - Sheridan  
 415 S Oklahoma St.  
 Sheridan, AR 72150  
 Project: Semiannual Wastewater Sample(s)  
 Project Number: June 2015  
 Date Received: 09-Jun-15 14:33

**ANALYTICAL RESULTS**

Lab Number: 1506162-01  
 Sample Name: Wastewater Composite  
 Date/Time Collected: 6/9/15 6:00  
 Sample Matrix: Water

<u>Pesticides/PCBs</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Aroclor-1232	ug/L	< 0.200		6/15/15 19:21	A506206	608
Aroclor-1248	ug/L	< 0.200		6/15/15 19:21	A506206	608
Aroclor-1260	ug/L	< 0.200		6/15/15 19:21	A506206	608
Aroclor-1016	ug/L	< 0.200		6/15/15 19:21	A506206	608
Toxaphene	ug/L	< 0.300		6/15/15 19:21	A506206	608
TCMX [surr]	%	31.8		6/15/15 19:21	A506206	608
DCBP [surr]	%	47.0		6/15/15 19:21	A506206	608

<u>Total Metals</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Arsenic	mg/L	< 0.0104		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Cadmium	mg/L	< 0.000520		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Chromium	mg/L	<b>0.229</b>		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Copper	mg/L	<b>0.143</b>		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Lead	mg/L	< 0.0156		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Mercury	mg/L	< 0.000200		6/10/15 14:44	A506134	7470A/245.1,3.0- 1994
Molybdenum	mg/L	< 0.0312		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Nickel	mg/L	<b>0.344</b>		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Selenium	mg/L	< 0.0520		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)
Silver	mg/L	< 0.0208		6/15/15 16:21	A506172	200.7, Rev 4.4 (1994)
Zinc	mg/L	<b>0.180</b>		6/15/15 14:37	A506172	200.7, Rev 4.4 (1994)

<u>Volatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
1,1-Dichloroethane	ug/L	< 10.0	E20	6/12/15 13:27	A506187	624 (mod.), 1995
1,1-Dichloroethene	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,1,1-Trichloroethane	ug/L	< 10.0	E20	6/12/15 13:27	A506187	624 (mod.), 1995
1,1,2-Trichloroethane	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,1,2,2-Tetrachloroethane	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,2-Dichlorobenzene	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,2-Dichloropropane	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,2-Dichloroethane	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,3-Dichlorobenzene	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
1,4-Dichlorobenzene	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
2-Chloroethyl vinyl ether	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
Acrylonitrile	ug/L	< 10.0	E5	6/12/15 13:27	A506187	624 (mod.), 1995
Benzene	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
Bromodichloromethane	ug/L	< 10.0	E20	6/12/15 13:27	A506187	624 (mod.), 1995
Bromoform	ug/L	< 10.0	E20	6/12/15 13:27	A506187	624 (mod.), 1995
Acrolein	ug/L	< 10.0	E5	6/12/15 13:27	A506187	624 (mod.), 1995
Bromomethane	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
Carbon tetrachloride	ug/L	< 10.0	E20	6/12/15 13:27	A506187	624 (mod.), 1995
Chlorobenzene	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
Chlorodibromomethane	ug/L	< 10.0	E20	6/12/15 13:27	A506187	624 (mod.), 1995
Chloroethane	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995
Chloroform	ug/L	< 10.0		6/12/15 13:27	A506187	624 (mod.), 1995

16 June 2015



James House
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415 S Oklahoma St.
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Project: Semiannual Wastewater Sample(s)
Project Number: June 2015
Date Received: 09-Jun-15 14:33

ANALYTICAL RESULTS

Lab Number: 1506162-01
Sample Name: Wastewater Composite
Date/Time Collected: 6/9/15 6:00
Sample Matrix: Water

Table with 7 columns: Volatiles, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. Rows include Chloromethane, cis-1,3-Dichloropropene, Ethylbenzene, Methylene chloride, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, trans-1,3-Dichloropropene, Vinyl chloride, Dichlorodifluoromethane, 4-Bromofluorobenzene [surr], 1,2-Dichloroethane-d4 [surr], Toluene-d8 [surr], and Wet Chemistry (BOD-5, Cyanide (total), TSS).

ANALYTICAL RESULTS

Lab Number: 1506162-02
Sample Name: Wastewater Grab
Date/Time Collected: 6/9/15 6:00
Sample Matrix: Water

Table with 7 columns: Wet Chemistry, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. Row: Oil and Grease.