

Peltier, Hannah

From: Gilliam, Allen
Sent: Friday, January 23, 2015 3:41 PM
To: james house
Cc: Fuller, Kim; Peltier, Hannah; sheridan david fitzgerald
Subject: AR0034347_Kohler ARP000021 Jan 2015 semi annual report with ADEQ reply_20150123
Attachments: doc04848220150123113542.pdf

James,

Kohler's January 2015 semi-annual Pretreatment report was received, reviewed, deemed complete, but not compliant with the Federal Pretreatment reporting requirements in 40 CFR 403.12(g). The analytical results showed compliance with the Metal Finishing standards in 40 CFR 433.17.

As per our phone conversation on 1/23/15, the page showing "weekly Avgs" and "Maxs" (for selected metals) will be noted, "for Kohler's internal QA/QC, but are analyzed by an ADEQ certified lab" using EPA approved 40 CFR 136 methods.

Per 40 CFR 403.12(g)(6), "If an Industrial User subject to the reporting requirement in paragraph (e) or (h) of this section monitors any regulated pollutant at the appropriate sampling location more frequently than required by the Control Authority, using the procedures prescribed in paragraph (g)(5) of this section, the results of this monitoring shall be included in the report."

Please submit just your contract lab's results' sheets for the numerous analyticals run for Cr, Cu, Ni and Zn within thirty (30) days from the date on this correspondence. These should cover analyticals reported from July through December '14 as every week's analytical results are not shown, just their "Max" and "Avg".

Also per our phone conversation, let's please leave out extraneous material in future reports:

- 1) Monthly flow reports (4 pages w/spreadsheets) for the six month period are not necessary as there is a "box" on ADEQ's standardized semi-annual report for values to be reported for both the Maximum and Avg flows during the reporting period; and
- 2) Sheridan's copies of Kohler's water usage records (5 pages) are not necessary.

The above compilations can be saved in your files as deemed necessary.

Thank you for your attention to the above issue and comments.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

cc: David Fitzgerald, Sheridan Water Works Manager

E/NPDES/NPDES/Pretreatment/Reports

A136WE

Kohler Co., 415 South Oklahoma St., Sheridan, Arkansas 72150 870-942-2111 Fax 870-942-5358 www.kohler.com

KOHLER.

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

RECEIVED
JAN 20 2015
13972 H

Re: **SEMI-ANNUAL REPORT 2nd HALF 2014**

Dear Mr. Gilliam,

In accordance with 40CFR403.12 (e) we are submitting semi-annual reports for the months July 1, 2014 through December 31, 2014. Attached with this report is the TTO analysis for this period. Please contact me at 870-917-6215 should you have any questions.

Sincerely,



James House
Safety/Environmental Specialist

Attachments: TTO Analysis for the 2nd half of 2014

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

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	82,213	90,490	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	33,718	37,113	POTW Continuous
Total Flow to POTW	115,930	127,603	*****

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	0.008	2.19	1.19	0.015	3.46	0.02	0.66	0.02	0.00
Ave Measured	0.008	0.36	0.23	0.015	0.56	0.02	0.13	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 _____ 2014

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: Jim Bilgo-Corporate EHS Program Supervisor
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.

Bill Royals
NAME OF CORPORATE OFFICIER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Director of Arkansas Faucet Operations
OFFICIAL TITLE

04/15/15
DATE SIGNED

DATE	GALLONS	DATE	GALLONS	DATE	GALLONS	DATE	GALLONS
7/1/14	108700	8/1/14	76800	9/1/14	Holiday	10/1/14	133700
7/2/14	98600	8/2/14	Saturday	9/2/14	111000	10/2/14	94500
7/3/14	85400	8/3/14	Sunday	9/3/14	112400	10/3/14	power out
7/4/14	Holiday	8/4/14	120000	9/4/14	105600	10/4/14	34100
7/5/14	Saturday	8/5/14	7/6/19	9/5/14	106600	10/5/14	77000
7/6/14	Sunday	8/6/14	108800	9/6/14	75600	10/6/14	109800
7/7/14	98200	8/7/14	62800	9/7/14	42700	10/7/14	102600
7/8/14	106200	8/8/14	122100	9/8/14	104700	10/8/14	108100
7/9/14	88400	8/9/14	116000	9/9/14	107000	10/9/14	103100
7/10/14	92100	8/10/14	106500	9/10/14	99800	10/10/14	91000
7/11/14	57300	8/11/14	124800	9/11/14	104100	10/11/14	58100
7/12/14	63700	8/12/14	127700	9/12/14	25933	10/12/14	70400
7/13/14	Sunday	8/13/14	126200	9/13/14	51400	10/13/14	90000
7/14/14	114700	8/14/14	117300	9/14/14	28800	10/14/14	102400
7/15/14	99100	8/15/14	126400	9/15/14	129900	10/15/14	141600
7/16/14	111300	8/16/14	58500	9/16/14	120500	10/16/14	119300
7/17/14	109100	8/17/14	48200	9/17/14	124600	10/17/14	50800
7/18/14	90500	8/18/14	122000	9/18/14	109400	10/18/14	34900
7/19/14	50700	8/19/14	120200	9/19/14	102200	10/19/14	35100
7/20/14	Sunday	8/20/14	119200	9/20/14	64600	10/20/14	95600
7/21/14	101800	8/21/14	118700	9/21/14	54700	10/21/14	111700
7/22/14	105400	8/22/14	94400	9/22/14	108200	10/22/14	112200
7/23/14	107300	8/23/14	76900	9/23/14	114400	10/23/14	109400
7/24/14	101900	8/24/14	62300	9/24/14	123000	10/24/14	1100
7/25/14	79000	8/25/14	97400	9/25/14	117500	10/25/14	41100
7/26/14	82400	8/26/14	127000	9/26/14	97200	10/26/14	50300
7/27/14	Sunday	8/27/14	112800	9/27/14	45800	10/27/14	100500
7/28/14	123100	8/28/14	117300	9/28/14	24400	10/28/14	114300
7/29/14	108700	8/29/14	78200	9/29/14	117900	10/29/14	102800
7/30/14	125400	8/30/14	Saturday	9/30/14	127000	10/30/14	99500

7/31/14	117900	8/31/14	Sunday	10/31/14	91400
Totals	2426900	2805200		2656933	2586400

Total Gallons Per Month	2426900	2805200	2656933	2586400
Max Gallons Per Day In Month	125,400	127,000	129,900	141,600
Avg Gallons Per Day In Month	78,287	90,490	88,564	83,432
Total Gallons in Reporting Period	15,127,133			
Max Gallons Per Day in Reporting	90,490			

DATE	GALLONS	DATE	GALLONS
11/1/14	57800	12/1/14	109800
11/2/14	15700	12/2/14	109000
11/3/14	105200	12/3/14	104500
11/4/14	105700	12/4/14	115200
11/5/14	127300	12/5/14	109900
11/6/14	137800	12/6/14	131100
11/7/14	105600	12/7/14	117500
11/8/14	39000	12/8/14	102400
11/9/14	34500	12/9/14	119400
11/10/14	108600	12/10/14	115200
11/11/14	100800	12/11/14	135500
11/12/14	117400	12/12/14	109800
11/13/14	97800	12/13/14	85600
11/14/14	79100	12/14/14	90900
11/15/14	36800	12/15/14	103000
11/16/14	18800	12/16/14	113200
11/17/14	100800	12/17/14	120000
11/18/14	83300	12/18/14	104400
11/19/14	92400	12/19/14	55500
11/20/14	98900	12/20/14	111600
11/21/14	63600	12/21/14	82300
11/22/14	12900	12/22/14	97700
11/23/14	30900	12/23/14	
11/24/14	85100	12/24/14	Holiday
11/25/14	95200	12/25/14	Holiday
11/26/14	64000	12/26/14	Holiday
11/27/14	Holiday	12/27/14	Saturday
11/28/14	Holiday	12/28/14	Sunday
11/29/14	Saturday	12/29/14	105200
11/30/14	Sunday	12/30/14	116700

	12/31/14	71300
2015000		2636700

2015000	2636700
137,800	135,500
67,166	85,054

SEMI-ANNUAL REPORT CALCULATION WORKSHEET (July-December)

Process	Average	Maximum	Type of Discharge
Regulated (Cure & A/c)	82213	155800	POTW Continuous
Regulated (Cyanide)	0	0	NA
8403.6(e) Unregulated*	0	0	NA
8403.6(e) Dilute	0	0	NA
Cooling Water	0	0	NA
Sanitary	33718	63898	POTW Continuous
Total Flow to POTW	115,930.43	219,698.01	*****

TOTAL H2O TO PLANT*	AVERAGE GALLONS PER DAY	TOTAL H2O TREATED**	% OF H2O TREATED	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY
21331200	115930	15127133	70.9%	155800	219698

b6

TOTAL H2O TREATED**	NUMBER OF DAYS	AVERAGE REGULATED TOTAL	AVERAGE GALLONS PER DAY	AVERAGE SANITARY	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY	MAXIMUM SANITARY
15,127,133	184	82213	115930	33718	155800	219698	63898
		C12	D12	F12			

*NUMBERS FROM WATER BILLS

**NUMBERS FROM THE ECOLOGY LOG BOOK

Location Meter #	USAGES							
	To Plaster	NE Front	SE Front	Plastics	Toilet Seats	Toilet Seats		
4097500	4098000	4099000	4100000	4100000	4110000	4110000		
January	306,700	536,900	1,909,000		231,200	32,700		
February	391,100	677,400	2,224,000		246,500	33,900		
March	346,500	579,200	1,818,000		144,300	31,700		
April	398,400	690,800	1,711,000		235,700	33,700		
May	347,000	750,900	2,680,000		294,500	51,400		
June	293,400	636,500	1,910,000		365,400	37,600		
July	646,300	566,600	1,839,000		310,900	49,200		
August	116,400	1,390,300	1,609,000		716,000	56,800		
September	43,700	910,400	3,573,000		451,300	78,300		
October	376,600	666,600	2,525,000		415,800	41,600		
November	557,900	996,600	2,076,000		474,800	49,300		
December	2,000	794,900	2,645,000		482,200	48,300		
6MO Total	1,736,600	5,327,400	14,267,000	0	2,851,600	320,500		

Faucet Plant Total 21331200

	Cd Max	Cd Avg	Cr Max	Cr 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
July			0.55	0.26		0.15	0.42				0.51	0.39			0.1	0.06				
August			0.27	0.2		0.11	0.08				0.45	0.34			0.03	0.03				
September			0.32	0.17		0.14	0.09				3.46	1.14			0.07	0.04				
October			0.45	0.31		0.46	0.26				0.87	0.4			0.16	0.1				
November			0.72	0.4		1.1	0.45				0.76	0.34			0.37	0.21				
December	0.008	0.008	2.19	0.79		1.19	0.37		0.015	0.015	3.46	0.75	0.32	0.02	0.66	0.29	0	0	0.02	0.02
Max Measured	0.008	0.008	2.19	0.79		1.19	0.37		0.015	0.015	3.46	0.75	0.32	0.02	0.66	0.29	0	0	0.02	0.02
Avg Measured	0.008	0.008	0.355	0.23		0.23	0.19		0.015	0.015	0.558333333	0.13	0.02	0.02	0.13	0.02	0	0	0.02	0.02

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

3:45:36 PM

1/13/2015

Page 1 of 1

Account Number: 04097500
Customer Name: KOHLER CO * UTILITIES
Service Address: OKLAHOMA ST

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2015	47800	229.31
02/2014	604900	2,502.28
03/2014	387000	1,658.90
04/2014	452100	1,913.02
05/2014	659600	2,714.69
06/2014	628300	2,594.31
07/2014	646300	2,663.96
08/2014	116400	548.93
09/2014	43700	210.56
10/2014	376500	1,619.51
11/2014	551900	2,297.21
12/2014	2000	16.11
Last Yr	305600	1,344.93

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

3:46:07 PM

1/13/2015

Page 1 of 1

Account Number: 04098000
Customer Name: KOHLER CO * UTILITIES
Service Address: OKLAHOMA ST

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2015	753900	3,078.83
02/2014	550700	2,293.06
03/2014	359800	1,554.15
04/2014	430400	1,828.32
05/2014	615000	2,541.12
06/2014	568900	2,362.99
07/2014	566600	2,354.83
08/2014	1390300	5,542.78
09/2014	910400	3,685.62
10/2014	668600	2,749.50
11/2014	996600	4,018.66
12/2014	794900	3,237.47
Last Yr	272100	1,216.54

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

3:46:31 PM

1/13/2015

Page 1 of 1

Account Number: 04099000
Customer Name: KOHLER CO * UTILITIES
Service Address: EAGLE ST

Type User: I
Meter Size: 60

Date	Usage	Charges
01/2015	1699000	6,735.52
02/2014	1583000	6,286.68
03/2014	1497000	5,953.91
04/2014	1731000	6,859.34
05/2014	1852000	7,327.54
06/2014	1727000	6,843.87
07/2014	1839000	7,277.24
08/2014	1609000	6,387.28
09/2014	3573000	13,986.73
10/2014	2525000	9,931.62
11/2014	2076000	8,194.28
12/2014	2645000	10,395.95
Last Yr	1699000	6,735.52

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

3:47:12 PM

1/13/2015

Page 1 of 1

Account Number: 04110000
Customer Name: KOHLER CO * UTILITIES
Service Address: PLASTICS

Type User: I
Meter Size: 30

Date	Usage	Charges
01/2015	507300	2,126.12
02/2014	273200	1,220.55
03/2014	211800	981.49
04/2014	225400	1,035.10
05/2014	358300	1,549.58
06/2014	461500	1,948.41
07/2014	310900	1,364.69
08/2014	716000	2,931.93
09/2014	451900	1,910.28
10/2014	415800	1,770.84
11/2014	474800	1,999.13
12/2014	482200	2,029.24
Last Yr	65200	311.79

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

3:47:57 PM

1/13/2015

Page 1 of 1

Account Number: 04111000
Customer Name: KOHLER CO * UTILITIES
Service Address: PLASTICS

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2015	33100	163.06
02/2014	46300	223.77
03/2014	29100	144.48
04/2014	34900	169.14
05/2014	51600	247.52
06/2014	51800	247.88
07/2014	48200	232.87
08/2014	56800	271.09
09/2014	78300	372.32
10/2014	41600	201.10
11/2014	49300	237.70
12/2014	46300	223.77
Last Yr	30800	150.39



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

17 December 2014

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

RE: Semiannual Wastewater Sample(s)
SDG Number: 1412155

Enclosed are the results of analyses for samples received by the laboratory on 10-Dec-14 16:35. 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	3.0°C

Sincerely,

A handwritten signature in cursive script that reads "Norma James / Teresa Coins".

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

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17 December 2014

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)



Date Received: 10-Dec-14 16:35

CASE NARRATIVE

Sample Delivery Group – 1412155

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

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

17 December 2014



James House
 Kohler-Plating - Sheridan
 415 S Oklahoma St.
 Sheridan, AR 72150
 Project: Semiannual Wastewater Sample(s)

Date Received: 10-Dec-14 16:35

ANALYTICAL RESULTS

Lab Number: 1412155-01
 Sample Name: Wastewater Composite
 Date/Time Collected: 12/9/14 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		12/15/14 16:17	A412202	625 (mod.)
2,4-Dichlorophenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2,4-Dimethylphenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2,4-Dinitrophenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2-Chlorophenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2-Nitrophenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
4-Chloro-3-methylphenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
4-Nitrophenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
4,6-Dinitro-2-methylphenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Pentachlorophenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Phenol	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2,4,6-Tribromophenol [surr]	%	111		12/15/14 16:17	A412202	625 (mod.)
2-Fluorophenol [surr]	%	54.8		12/15/14 16:17	A412202	625 (mod.)
Phenol-d5 [surr]	%	46.9		12/15/14 16:17	A412202	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		12/15/14 16:17	A412202	625 (mod.)
1,2-Dichlorobenzene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
1,2-Diphenyl Hydrazine	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
1,3-Dichlorobenzene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
1,4-Dichlorobenzene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2,3,7,8-TCDD Screen	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2,4-Dinitrotoluene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2,6-Dinitrotoluene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2-Chloronaphthalene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
3,3'-Dichlorobenzidine	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
4-Bromophenyl-phenylether	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
4-Chlorophenyl-phenylether	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Acenaphthene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Acenaphthylene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Anthracene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Benzidine	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Benzo[a]pyrene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Benzo[b]fluoranthene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Benzo[g,h,i]perylene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Benzo[k]fluoranthene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Benzo (a) anthracene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Bis(2-chloroethoxy)methane	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Bis(2-chloroethyl)ether	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Bis(2-chloroisopropyl)ether	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Bis(2-ethylhexyl)phthalate	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Butylbenzylphthalate	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Chrysene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Dibenz[a,h]anthracene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)

Date Received: 10-Dec-14 16:35

ANALYTICAL RESULTS

Lab Number:		1412155-01				
Sample Name:		Wastewater Composite				
Date/Time Collected:		12/9/14 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		12/15/14 16:17	A412202	625 (mod.)
Dimethylphthalate	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Di-n-butylphthalate	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Di-n-octylphthalate	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Fluorene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Hexachlorobenzene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Hexachlorobutadiene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Hexachlorocyclopentadiene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Hexachloroethane	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Indeno[1,2,3-cd]pyrene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Isophorone	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Naphthalene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Nitrobenzene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
N-Nitrosodimethylamine	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
N-Nitroso-di-n-propylamine	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
N-Nitrosodiphenylamine/diphenylamine	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Phenanthrene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
Pyrene	ug/L	< 10.0		12/15/14 16:17	A412202	625 (mod.)
2-Fluorobiphenyl [surr]	%	80.1		12/15/14 16:17	A412202	625 (mod.)
Nitrobenzene-d5 [surr]	%	87.9		12/15/14 16:17	A412202	625 (mod.)
Terphenyl-d14 [surr]	%	103		12/15/14 16:17	A412202	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		12/15/14 12:57	A412190	608
alpha-BHC	ug/L	< 0.050	E-01	12/15/14 12:57	A412190	608
beta-BHC	ug/L	< 0.050		12/15/14 12:57	A412190	608
gamma-BHC (Lindane)	ug/L	< 0.050		12/15/14 12:57	A412190	608
delta-BHC	ug/L	< 0.050		12/15/14 12:57	A412190	608
Chlordane	ug/L	< 0.200		12/15/14 12:57	A412190	608
4,4'-DDT	ug/L	< 0.020		12/15/14 12:57	A412190	608
4,4'-DDE	ug/L	< 0.100		12/15/14 12:57	A412190	608
4,4'-DDD	ug/L	< 0.100		12/15/14 12:57	A412190	608
Dieldrin	ug/L	< 0.020	E-01	12/15/14 12:57	A412190	608
Endosulfan I	ug/L	< 0.010		12/15/14 12:57	A412190	608
Endosulfan II	ug/L	< 0.020		12/15/14 12:57	A412190	608
Endosulfan sulfate	ug/L	< 0.100		12/15/14 12:57	A412190	608
Endrin	ug/L	< 0.020	E-01	12/15/14 12:57	A412190	608
Endrin aldehyde	ug/L	< 0.100		12/15/14 12:57	A412190	608
Heptachlor	ug/L	< 0.010		12/15/14 12:57	A412190	608
Heptachlor epoxide	ug/L	< 0.010		12/15/14 12:57	A412190	608
Chlorpyrifos	ug/L	< 0.070	E-01	12/15/14 12:57	A412190	608
Aroclor-1242	ug/L	< 0.200		12/15/14 12:57	A412190	608
Aroclor-1254	ug/L	< 0.200		12/15/14 12:57	A412190	608
Aroclor-1221	ug/L	< 0.200		12/15/14 12:57	A412190	608

17 December 2014



James House
 Kohler-Plating - Sheridan
 415 S Oklahoma St.
 Sheridan, AR 72150
 Project: Semiannual Wastewater Sample(s)

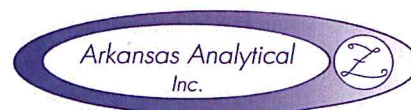
Date Received: 10-Dec-14 16:35

ANALYTICAL RESULTS

Lab Number: 1412155-01
 Sample Name: Wastewater Composite
 Date/Time Collected: 12/9/14 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		12/15/14 12:57	A412190	608
Aroclor-1248	ug/L	< 0.200		12/15/14 12:57	A412190	608
Aroclor-1260	ug/L	< 0.200		12/15/14 12:57	A412190	608
Aroclor-1016	ug/L	< 0.200		12/15/14 12:57	A412190	608
Toxaphene	ug/L	< 0.300		12/15/14 12:57	A412190	608
TCMX [surr]	%	75.1		12/15/14 12:57	A412190	608
DCBP [surr]	%	76.6		12/15/14 12:57	A412190	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		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Cadmium	mg/L	< 0.000520		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Chromium	mg/L	0.363		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Copper	mg/L	0.0646		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Lead	mg/L	< 0.0156		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Mercury	mg/L	< 0.000200		12/12/14 11:04	A412154	7470A/245.1,3.0- 1994
Molybdenum	mg/L	< 0.0312		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Nickel	mg/L	0.198		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Selenium	mg/L	< 0.0520		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Silver	mg/L	< 0.0208		12/10/14 20:29	A412125	200.7, Rev 4.4 (1994)
Zinc	mg/L	0.0215		12/10/14 20:29	A412125	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		12/10/14 15:13	A412117	624 (mod.), 1995
1,1-Dichloroethene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,1,1-Trichloroethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,1,2-Trichloroethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,1,2,2-Tetrachloroethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,2-Dichlorobenzene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,2-Dichloropropane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,2-Dichloroethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,3-Dichlorobenzene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
1,4-Dichlorobenzene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
2-Chloroethyl vinyl ether	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Acrylonitrile	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Benzene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Bromodichloromethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Bromoform	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Acrolein	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Bromomethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Carbon tetrachloride	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Chlorobenzene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Chlorodibromomethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Chloroethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Chloroform	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995

17 December 2014



James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)

Date Received: 10-Dec-14 16:35

ANALYTICAL RESULTS

Lab Number: 1412155-01
Sample Name: Wastewater Composite
Date/Time Collected: 12/9/14 6:00
Sample Matrix: Water

<u>Volatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Chloromethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
cis-1,3-Dichloropropene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Ethylbenzene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Methylene chloride	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Tetrachloroethene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Toluene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
trans-1,2-Dichloroethene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Trichloroethene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
trans-1,3-Dichloropropene	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Vinyl chloride	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
Dichlorodifluoromethane	ug/L	< 10.0		12/10/14 15:13	A412117	624 (mod.), 1995
4-Bromofluorobenzene [surr]	%	103		12/10/14 15:13	A412117	624 (mod.), 1995
1,2-Dichloroethane-d4 [surr]	%	97.9		12/10/14 15:13	A412117	624 (mod.), 1995
Toluene-d8 [surr]	%	95.4		12/10/14 15:13	A412117	624 (mod.), 1995
<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
BOD-5	mg/L	22.9		12/10/14 10:15	A412103	5210 B-2001,Hach 13060
Cyanide (total)	mg/L	< 0.010		12/10/14 14:56	A412122	4500-CN B,E-1999
TSS	mg/L	6.5		12/15/14 9:25	A412183	2540 D-1997

ANALYTICAL RESULTS

Lab Number: 1412155-02
Sample Name: Wastewater Grab
Date/Time Collected: 12/8/14 6:00
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Oil and Grease	mg/L	< 2.5		12/16/14 16:40	A412222	1664A Mod, Rev A, 1999



11701 Interstate 30, Bldg. 1, Ste. 115
 Little Rock, AR 72209
 PHONE: 501-455-3233
 FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description			Turnaround Time			Preservation Codes:								
Kohler 415 South Oklahoma St. Sheridan, AR 72150			Semi-Annual TTO Sample			1 Day (100%) 2 Day (50%) 3 Day (25%) 5 Day (Routine)			1. Cool, 4 Degrees Centigrade	4. Thiosulfate for Dechlorination	2. Sulfuric Acid (H ₂ SO ₄), pH < 2	5. Hydrochloric Acid (HCl)	3. Nitric Acid (HNO ₃), pH < 2	6. Sodium Hydroxide (NaOH), pH > 12	Bottle Type Code G = Glass; P = Plastic Y = Septum; A = Amber		
Attn: James House			Reporting Information Telephone: 870-942-2111 Email: james.house@kohler.com, joe.mccarroy@kohler.com, neal.hollinger@kohler.com			Preservative Code: Bottle Type:			TEST PARAMETERS								
Edward L McElroy			Edward L McElroy			Sampler(s) Printed			1	1,6	1,3	1	1	1	1,2	Oil and Grease	
									P	P	P	GV	GA	GA	GA	GA	PPS Base Neutral/Acids
Sampler(s) Signature			SAMPLE COLLECTION			Number of Bottles			Sample Matrix			IDENTIFICATION / DESCRIPTION			Arkansas Analytical Work Order Number:		
Field Number	Date/s	Time/s	Grab	Comp	X	9	Water	Wastewater Composite	BOD, TSS	Cyanide	As, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Se, Ag, Zn	PPS Volatiles	PPS Pesticides/PCBS	PPS Base Neutral/Acids	142155-		
	12/18-7/14	6:00 AM - 6:00 PM	X				Water	Wastewater Grab	X	X	X	X	X	01			
	12/19/14	6:00 AM	X				Water	Wastewater Grab - Lab QC Sample						02			
	12/19/14	6:30 AM	X				Water							J			
1. Relinquished by: (Signature) <i>Ed. McElroy</i>			Date/Time 8 AM 12/19/14			2. Received by: (Signature) <i>Allen Parker</i>			SAMPLE CONDITION UPON RECEIPT IN LAB			REMARKS / SAMPLE COMMENTS					
3. Relinquished by: (Signature) <i>Allen Parker</i>			Date/Time 1635 12-9-14			4. Received by lab: (Signature) <i>Sydney Johnson</i>			1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. COC/LABELS AGREE: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. TEMPERATURE ON RECEIPT: 30C	6. TEMPERATURE GUN ID: HAT #2	Flow 102400	PH 8.48	
FOR COMPLETION BY LAB ONLY																	