OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPLICATION FOR PERMIT TO DISCHARGE MUNICIPAL/DOMESTIC WASTEWATER
UNDER THE OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM (OPDES)

Application for Permit to Discharge Municipal/Domestic Wastewater
FORM 2M1 (Major)

FOR DEQ USE ONLY	Application/Permit Number OK00 _____ Facility ID No. _____ Date Received: _____ SIC Code: _____ If a proposed facility, give estimated date of completion: _____ DEQ PERMIT ENGINEER: _____

DO NOT attempt to complete this application without reading the instructions!

SECTION I

1. **Legal name of applicant:** City of Bartlesville

2. **Mailing address of applicant:**

   Street Address or P.O. Box 401 South Johnstone Avenue

   City Bartlesville County Washington State OK Zip Code 74003

   Telephone 918-338-4116 Fax 918-338-4109

   E-mail Address tllaurit@cityofbartlesville.org

3. **Name and address of facility:**

   Facility Name Chickasaw Wastewater Treatment Plant

   Street Address 230 N. Chickasaw

   City Bartlesville County Washington State OK Zip Code 74003

   Telephone 918-336-2656 Fax 918-336-2657

   E-mail Address john.shambles@veolia.com

4. **Location of discharging facility (e.g., NE ¼ , SW ¼ , SE ¼ , Section 1, Township 2 North, Range 3 West):**

   Legal Description of Facility Location NE1/4 , NE1/4 , NW1/4 , Section 7 , Township 26N , Range 13E

   Latitude: 36d 45' 19.048" N Longitude: 95d 57' 56.124" W

5. **Type of Ownership:** Public ☑ Private ☐ Federal ☐ State ☐

6. **Contact Person:**

Name and Title Terry Lauritsen, Director of Water Utilities

Address 1700 West Adams Blvd City Bartlesville

County Washington State OK Zip Code 74005 Telephone 918-338-4107

Fax 918-338-4109 Cell Phone 918-397-4277

E-mail Address tllaurit@cityofbartlesville.org

7. **Type of discharge:**

☐ A. Wastewater from lagoon system

☑ B. Wastewater from mechanical plant

☐ C. Other (specify) _____

8. **Type of treatment:**

☐ A. Lagoon system with total retention by evaporation (Does not require this form, it requires Form 530E)

☐ B. Lagoon system with effluent used for land application only (Does not require this form, it requires Form 627-WRP)

☐ C. Lagoon system with effluent discharge to receiving water

☐ D. Lagoon system with effluent discharge and water reuse (Also fill out Section III of application)

☑ E. Mechanical Plant with effluent discharge: (please describe briefly the type of treatment plant)
Primary Clarification, Activated Sludge, Secondary Clarification, Chlorination, Dechlorination

☐ F. Mechanical Plant with discharge and water reuse: (please describe briefly the type of treatment plant and fill out Section III of application)

9. **Is chlorine or any other halogen used at this facility?**

☑ Yes ☐ No

If yes, is dechlorination or dehalogenation used at this facility? (See instructions)

☑ Yes ☐ No

Is an ultraviolet (UV) system used at this facility?

☐ Yes ☑ No

10. **Design flow of facility in million gallons per day (mgd)** 7.0 MGD

11. Discharge point number (List all outfalls)

Total volume presently discharged million gallons per day (mgd)

001 — 7.5 mgd (Avg. from 7/16 thru 6/17)

002 (if applicable) _____

003 (if applicable) _____

12. Legal description(s) of all discharge point(s):

Outfall 001:

Name of receiving water(s): Caney River

Discharge is (check one): Continuous ☑ Batch ☐ Intermittent ☐ Seasonal ☐

Latitude: 36d 45' 25.965" N Longitude: 95d 57' 54.406" W

Legal Description of discharge point SW1/4, SE 1/4, SW1/4, Section 6, Township 26N, Range 13 E

Outfall 002 (if applicable):

Name of receiving water(s): _____

Discharge is (check one): Continuous ☐ Batch ☐ Intermittent ☐ Seasonal ☐

Latitude: _____ N Longitude: _____ W

Legal Description of discharge point _____, _____, _____, Section _____, Township _____, Range _____

Outfall 003 (if applicable):

Name of receiving water(s): _____

Discharge is (check one): Continuous ☐ Batch ☐ Intermittent ☐ Seasonal ☐

Latitude: _____ N Longitude: _____ W

Legal Description of discharge point _____, _____, _____ Section _____, Township _____, Range _____

13. During periods of heavy rain, is the increased flow:

☐ Bypassed to the receiving stream with no treatment

☐ Given partial treatment and discharged

☐ Given complete treatment and discharged

☑ Stored for later treatment

14. Biosolids/Sludge generated by this facility:

A. Current biosolids/sludge treatment process. (Please explain)

Anaerobic digestion to Class B sludge, land application.

B. Amount of biosolids/sludge produced (dry metric tons/year) 550.8

1. Land application of biosolids

Sludge management plan, if any: SP 3574005

Sludge management permit number SP 3574005 approved by the Oklahoma Department of Environmental Quality or the Oklahoma State Department of Health on 12-2-1994

Location(s) of current land application site(s) (legal description to the nearest 10 acres). See Attached List

Site 1: _____, _____, _____, Section _____, Township _____, Range _____, County _____

Site 2: _____, _____, _____, Section _____, Township _____, Range _____, County _____ (if applicable)

Site 3: _____, _____, _____, Section _____, Township _____, Range _____, County _____ (if applicable)

2. Landfilled sludge

Sludge disposition plan, if any: _____

Sludge disposition permit number (if applicable) _____ approved by the Department of Environmental Quality or the Oklahoma State Department of Health on _____

Name of Landfill _____

Landfill's permit number _____

	Yes	No
15. Does this facility receive industrial wastewater?	☑	☐

If "Yes", Submit Section II of this form (attached) for each significant industrial facility discharging to the sewer system, including wastewater from water treatment plant.

Are industrial discharge(s) to the system(s) controlled by

☑ **Ordinance**

☑ **Pretreatment Program**

	Yes	No
16. Does this facility supply reclaimed water?	☐	☑

If "Yes", Submit Section III of this form (attached) for each user of reclaimed water.

17. **Maps and drawings - Attach all required maps and drawings to the back of this application. (see instructions)**

18. **Complete attached Table 1 detailing both influent and effluent pollutants.**

19. **Submit test results of a 24-hour composite sample of effluent, for all pollutants listed in 40 CFR 122, Appendix D, Table II and Table III.**

20. **Submit quantitative data on pollutants listed in 40 CFR 122, Appendix D, Table IV and Table V that are known or reasonably expected to be discharged.**

21. **Submit tabulations of all results collected pertaining to the quality and quantity of all toxic pollutants identified as a constituent in the publicly owned treatment works (POTW) effluent and regulated or prohibited by an Industrial Waste Ordinance during the period from three years prior to the date of this application to the present. Also, tabulate the PQL used to quantify the toxic pollutants.**

22. **Landowner Notification** (THIS SECTION MUST BE COMPLETED PRIOR TO SUBMISSION OF THE APPLICATION – THE APPLICATION WILL AUTOMATICALLY BE CONSIDERED INCOMPLETE IF IT IS NOT COMPLETED):

Is any part of the land on which the facility is located (including treatment units, discharge conveyances, stormwater holding basins, and/or flow equalization basins) owned by a person or entity other than the applicant?

☑ **No**

☐ **Yes – the applicant or applicant's certifying official must ensure that such landowner(s) have been notified of the applicant's intent to obtain an OPDES permit and initial the box to the right indicating that such notification has been made.** ☐

***Note: Please mail completed landowner affidavit from to DEQ (see instructions)**

23. **List other information which should be brought to the attention of the Department of Environmental Quality (DEQ) in regard to the issuance of a discharge permit for the facility.**

Certification:

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 directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I also certify that I will provide for the operation of this facility in accordance with the Oklahoma Discharge Permits and Pollution Control Regulations and will provide certified operators as required by the Oklahoma Water and Wastewater Operators Certification Act. I further certify that I shall acquire or possess a right to the use of the property or properties on which the discharging facilities, activitie,s or discharge sources are located as well as the property on which the proposed discharge point(s) are located, including the access route thereto. I understand I shall maintain such right of use and access for the duration of the permit term. I am aware that there are significant penalties for submitting false information, including revocation of the permit and the possibility of fine and imprisonment for knowing violations.

Note: *Applications must be signed by the authorized chief elective or executive officer of the applicant, or by the applicant, if an individual.*

Name (print) Dale Copeland

Title Mayor

Date March 20, 2018

Signature Dale W Copeland

CITY OF BARTLESVILLE OFFICIAL SEAL OKLAHOMA

R. ELAINE BANES NOTARY PUBLIC Com. # 99009571 STATE OF OKLAHOMA WASHINGTON COUNTY

Notary Seal

Subscribed and sworn to before me this 23rd day of March, 2018.

R. Elaine Banes

Notary Public Signature

My commission expires July 8, 2019

The application shall be filed in duplicate with the original and one copy to be submitted to the DEQ, and one copy to be submitted to the local DEQ office.

Please return completed form with application fee and attachments to:
Water Quality Division
Department of Environmental Quality
707 N. Robinson
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

TABLE I
DESCRIPTION OF INFLUENT AND EFFLUENT

Parameter and Storet Code	Influent	Effluent					
	Annual Average Value (1)	Annual Average Value (2)	Lowest Monthly Average Value (3)	Highest Monthly Average Value (4)	Frequency of Analysis (5)	No. of Samples (6)	Sample Type (7)
Flow (millions gallons per day) 50050		7.314	5.327	12.511	Daily	365	Totalz
pH 00400	N/A	N/A	6.7	7.2	Daily	365	Grab
Temperature - winter (° F) 74028	62.5	62.8	60.6	64.7	Daily	365	Grab
Temperature - summer (° F) 74027							
Fecal Streptococci Bacteria (number/100 ml) 75054 (Provide if available)							
E. Coli (number/100 ml) 51041 (Provide if available)							
Total Coliform Bacteria (number/100 ml) 75056 (Provide if available) 74055?		28	15	51	2/Week	104	Grab
BOD 5-day (mg/l) 00310	180	9.6	6.9	13.0	5/Week	260	COMP24
Chemical Oxygen Demand (mg/l) 00340 (Provide if available) OR Total Organic Carbon (mg/l) 00680 (Provide if available) (Either analysis acceptable)							

TABLE I (Continued)
DESCRIPTION OF INFLUENT AND EFFLUENT

Parameter and Storet Code	Influent	Effluent					
	Annual Average Value (1)	Annual Average Value (2)	Lowest Monthly Average Value (3)	Highest Monthly Average Value (4)	Frequency of Analysis (5)	No. of Samples (6)	Sample Type (7)
Chlorine - Total Residual (mg/l) 50060		0.03	0.02	0.04	Daily	365	Grab
Total Solids (mg/l) 00500							
Total Dissolved Solids (mg/l) 70300							
Total Suspended Solids (mg/l) 00530	251.3	11.61	7.08	19.18	5/Week	260	COMP24
Settleable Matter (Residue) (mg/l) 00545	16.0						
Kjedahl Nitrogen (mg/l) 00625 (Provide if available)							
Nitrate (as N) (mg/l) 00620 (Provide if available)							
~~Nitrite~~ (as N) Ammonia (mg/l) Nitrogen as N 00620 ~~<~~ 610? (Provide if available)	20.54	0.4	0.1	1.1	5/Week	260	COMP24
Phosphorous, Total (as P) (mg/l) 00665 (Provide if available)							
Dissolved Oxygen (DO) (mg/l) 00300	N/A	4.7	3.6	5.9	5/Week	260	Grab

SECTION II

INDUSTRIAL WASTEWATER CONTRIBUTION

TO

MUNICIPAL SYSTEM

SECTION II

INDUSTRIAL WASTEWATER CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each industrial facility discharging to the municipal system, using a separate Section II for each. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. For wastewater from a drinking water plant, indicate the type of treatment plant (conventional, R.O. etc.) in item 2 below.

1. **Major Contributing Facility**

   Contact person and Title Armando Jasso, Plant Manager

   Name of facility R3 Industrial

   Address 340 N.E. Washington Blvd.

   City Bartlesville County Washington

   State OK ZIP Code 74006

   Telephone 918-333-4568 Fax 918-333-7664 Cell Phone

   E-mail Address ajasso@R/3industrial.com

2. **Product or item produced at this facility** Industrial Laundry & Dry Cleaning

3. **Primary Standard Industrial Classification (SIC) Code** 7216, 7218

4. **Principal Product or Raw Material**

Product or Raw Material	Quantity	Units

5. **Flow: Indicate the volume of wastewater discharged into the municipal system in gallons per day (gpd) and whether this discharge is intermittent or continuous.**

   17,050 GPD Intermittent ☒ Continuous ☐

6. **Pretreatment Provided: Indicate if pretreatment is provided prior to entering the municipal collection system.** Yes ☒ No ☐

7. **Characteristics of Wastewater: Please list the pollutants and maximum concentrations of the pollutants in the table below.**

Pollutant	Copper			
Maximum Concentration	7.72			

R/3 Industries Quarterly BTEX Sampling 2017

Sample Point BI-1

All Results in Mg/l unless otherwise Noted

Date of Sample		02/15/17	06/07/17	08/24/17		5/31/2017
BI-1	Local limit	Q1	Q2	Q3	Q4	Annual
	2.13					
Benzene		0	0	0		0
Toluene		0.127	0.106	0.33		0.0972
E Benzene		0.0105	0.0231	0.0517		0.0297
Xylene		0.11	0.213	0.401		0.0497

R/3 Industries Quarterly SMR 2017

Sample Point BI-1

All Results in Mg/l unless otherwise Noted

Date of Sample		2/14-15/17	6/6-7/17	7/31-8/1/17		5/30-31/17
BI-1	Local limit	Q1	Q2	Q3	Q4	Annual
As	0.17	0	0.0124	0		0
Cd	0.037	0	0	0		0
Cr	3.824	0.0193	0.0287	0		0.018
Cu	1.524	1.08	1.56	0.469		7.72
Pb	0.469	0.0099	0.0113	0.0239		0.0173
Hg	0.025	0	0	0		0.000056
Ni	0.964	0.0142	0.0191	0.0078		0.024
Ag	0.1745	0	0	0		0
Cn	0.42	0	0.019	0		0.048
Zn	9.541	0.282	0.523	0.244		2.27
O&G	200	6.6	38.4	46.6		9.6
pH	5.0-12.5	9.5	9.9	8.4		9.85
Temp	140 F	71	97	92		116
BOD	None	228	650	1080		
TSS	None	40	86	22.5		
COD	None	1400	2010	2070		
Phenols	None	0.056	0.084	0.062		4.53
TPH	None	5.1	5	18.2		

SECTION II

INDUSTRIAL WASTEWATER CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each industrial facility discharging to the municipal system, using a separate Section II for each. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. For wastewater from a drinking water plant, indicate the type of treatment plant (conventional, R.O. etc.) in item 2 below.

1. **Major Contributing Facility**

   Contact person and Title Rocky Denman, V.P. of Operations

   Name of facility Saddoris Companies

   Address 410 S.W. Frank Phillips Blvd.

   City Bartlesville County Washington

   State OK ZIP Code 74003

   Telephone 918-336-6800 Fax 918-336-0413 Cell Phone 918-214-3603

   E-mail Address rocky@unitedlinen.com

2. **Product or item produced at this facility** Industrial Laundry

3. **Primary Standard Industrial Classification (SIC) Code** 7218

4. **Principal Product or Raw Material**

Product or Raw Material	Quantity	Units

5. **Flow: Indicate the volume of wastewater discharged into the municipal system in gallons per day (gpd) and whether this discharge is intermittent or continuous.**

   103,250 GPD Intermittent ☐ Continuous ☒

6. **Pretreatment Provided: Indicate if pretreatment is provided prior to entering the municipal collection system.** **Yes** ☒ **No** ☐

7. **Characteristics of Wastewater: Please list the pollutants and maximum concentrations of the pollutants in the table below.**

Pollutant				
Maximum Concentration				

Saddoris Quarterly SMR 2017

Sample Point UL-1

All results in Mg/l unless otherwise noted

Date of Sample		3/20-21/17	6/12-13/17	8/15-16/17	11/7-8/17	6/6-7/17
UL-1	Local limit	Q1	Q2	Q3	Q4	Annual
As	0.17	0.00	0	0.0007	0	0
Cd	0.037	0.000	0	0	0	0
Cr	3.824	0.010	0	0	0	0
Cu	1.524	0.100	0.036	0.055	0.108	0.063
Pb	0.469	0.0094	0.0111	0.0074	0.0068	0.0047
Hg	0.025004	0	0	0	0	0.00054
Ni	0.964	0	0	0	0	0
Ag	0.174537	0	0	0	0	0
Cn	0.42	0	0	0.062	0	0
Zn	9.541	0.187	0.166	0.282	0.128	0.147
O&G	200	68.8	34.9	22.5	14.4	21.8
pH	5.0 - 12.5	8.68	8.81	10.06	10	7.58
BOD	None	153	1300	478	280	
TSS	None	413	265	298	76.5	
COD	None					
Phenols	None	0.018	0.034	0.069	0.023	0.02
Temp F	140 F	97	91	93	98	128

SECTION II

INDUSTRIAL WASTEWATER CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each industrial facility discharging to the municipal system, using a separate Section II for each. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. For wastewater from a drinking water plant, indicate the type of treatment plant (conventional, R.O. etc.) in item 2 below.

1. **Major Contributing Facility**

   Contact person and Title Derek Fuentes, Asset Protection Manager

   Name of facility Walmart Distribution Center

   Address 397319 W. 3000 Rd.

   City Ochelata County Washington

   State OK ZIP Code 74051

   Telephone 918-535-3100 Fax 918-535-3115 Cell Phone _____

   E-mail Address _____

2. **Product or item produced at this facility** General Warehousing, Terminal & Joint Terminal Maintenance Facilities for Motor Freight Transportaion

3. **Primary Standard Industrial Classification (SIC) Code** 4222, 4231

4. **Principal Product or Raw Material**

Product or Raw Material	Quantity	Units

5. **Flow: Indicate the volume of wastewater discharged into the municipal system in gallons per day (gpd) and whether this discharge is intermittent or continuous.**

   29,000 GPD Intermittent ☐ Continuous ☒

6. **Pretreatment Provided: Indicate if pretreatment is provided prior to entering the municipal collection system.** Yes ☒ No ☐

7. **Characteristics of Wastewater: Please list the pollutants and maximum concentrations of the pollutants in the table below.**

Pollutant				
Maximum Concentration				

Walmart Distribution 2107

Sample Point LS-1

All Results in Mg/l unless otherwise Noted

Date of Sample		3/15-16/17	6/14-15/17	9/18-19/17		6/13-14/17
LS-1	Local limit	Q1	Q2	Q3	Q4	Annual
As	0.1696	0.00127	0.001	0.0018		0.0005
Cd	0.0367	0.0003	0.000231	0.000144		0
Cr	3.8244	0.0073	0.00447	0.00609		0
Cu	1.5242	0.0622	0.0669	0.0669		0.047
Pb	0.4688	0.0205	0.016	0.011		0.0108
Hg	0.0250	0	0	0		0
Ni	0.9644	0.00648	0.00546	0.00737		0
Ag	0.1745	0.000118	0.000186	0.0001		0
Cn	0.4197	0	0	0		0
Zn	9.5412	0.421	1.34	0.898		1.03
O&G	200	21.1	21.8	9.34		5.8
pH	5.0 - 12.5	8.4	8.0	7.7		10.93
BOD	None	163	108	205		
TSS	None	172	293	210		
Phenols	None	0.069	0.0394	0.028		0.06
TPH	None	0.541	2.46	2.11		
Temp	<140°F	59	76	75		72

SECTION II

INDUSTRIAL WASTEWATER CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each industrial facility discharging to the municipal system, using a separate Section II for each. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. For wastewater from a drinking water plant, indicate the type of treatment plant (conventional, R.O. etc.) in item 2 below.

1. **Major Contributing Facility**

   Contact person and Title Tom Alexander, Chief Environmental Engineer

   Name of facility Phillips 66 Research Center

   Address U.S. Highway 60 West & State Highway 123

   City Bartlesville County Osage

   State OK ZIP Code 74003

   Telephone 918-977-4581 Fax _____ Cell Phone 918-213-9692

   E-mail Address Tom.J.Alexander@P66.com

2. **Product or item produced at this facility** Research & Development

3. **Primary Standard Industrial Classification (SIC) Code** 8731, 2819, 3089, 2869

4. **Principal Product or Raw Material**

Product or Raw Material	Quantity	Units
Polyethylene	642	lbs/day
Sulfur Chemicals	35	lbs/day
Polyphenylene sulfide polymer	18	lbs/day

5. **Flow: Indicate the volume of wastewater discharged into the municipal system in gallons per day (gpd) and whether this discharge is intermittent or continuous.**

   192,000 GPD Intermittent ☐ Continuous ☒

6. **Pretreatment Provided: Indicate if pretreatment is provided prior to entering the municipal collection system.** Yes ☒ No ☐

7. **Characteristics of Wastewater: Please list the pollutants and maximum concentrations of the pollutants in the table below.** (See Attachment)

Pollutant				
Maximum Concentration				

Phillips 66 Technology , PRC **2017**
Sample Point PR-1
All Results in ug/l unless otherwise noted

Flow GPD						
Date of Sample		3/7-8/17	6/26-27/17	9/7-8/17		6/26-27/17
PR-1 Monthly Avg.	Cat. Limit,	Q1	Q2	Q3	Q4	Annual
Acenaphthene	16.511	0.0	0.0	0.0		0
Anthracene	16.511	0.0	0.0	0.0		0
Benzene	49.533	0.0	0.0	0.0		0
Bis (2-ethylhexyl) phthalate	82.555	0.0	11.6	0.0		0
Carbon Tetrachloride	123.398	0.0	0.0	0.0		0
Chlorobenzene	123.398	0.0	0.0	0.0		0
Chloroethane	95.59	0.0	0.0	0.0		0
Chloroform	96.459	0.0	0.0	0.0		0
Di-n-butyl phthalate	17.38	0.0	0.0	0.0		0
1,2-Dichlorobenzene	170.324	0.0	0.0	0.0		0
1,3-Dichlorobenzene	123.398	0.0	0.0	0.0		0
1,4-Dichlorobenzene	123.398	0.0	0.0	0.0		0
1,1-Dichloroethane	19.118	0.0	0.0	0.0		0
1,2-Dichloroethane	156.42	0.0	0.0	0.0		0
1,1-Dichloroethylene	19.118	0.0	0.0	0.0		0
1,2-trans-Dichloroethylene	21.725	0.0	0.0	0.0		0
1,2-Dichloropropane	170.324	0.0	0.0	0.0		0
1,3-Dichloropropylene	170.324	0.0	0.0	0.0		
Diethyl phthalate	39.974	0.0	0.0	0.0		0
Dimethyl phthalate	16.511	0.0	0.0	0.0		0
4,6-Dinitro-o-cresol	67.782	0.0	0.0	0.0		0
Ethylbenzene	123.398	0.0	0.0	0.0		0
Fluoranthene	19.118	0.0	0.0	0.0		0
Fluorene	16.511	0.0	0.0	0.0		0
Hexachlorobenzene	170.324	0.0	0.0	0.0		0
Hexachlorobutadiene	123.398	0.0	0.0	0.0		0
Hexachloroethane	170.324	0.0	0.0	0.0		0
Methylene Chloride	95.59	0.0	0.0	0.0		0
Methyl Chloride	31.284	0.0	0.0	0.0		
Naphthalene	16.511	0.0	0.0	0.0		0
Nitrobenzene	1943.95	0.0	0.0	0.0		0
2-Nitrophenol	56.485	0.0	0.0	0.0		0
4-Nitrophenol	140.778	0.0	0.0	0.0		0
Phenathrene	16.511	0.0	0.0	0.0		0
Pyrene	17.38	0.0	0.0	0.0		0
Tetrachloroethylene	45.188	0.0	0.0	0.0		0
Toluene	24.332	0.0	0.0	0.0		0
Total Cyanide	364.98	0.0	0.0	0.0		0
Total Lead	278.08	0.0	0.0	0.0		0
Total Zinc	912.45	0.0	0.0	0.0		0
1,2,4-Trichlorobenzene	170.324	0.0	0.0	0.0		0
1,1,1-Trichloroethane	19.118	0.0	0.0	0.0		0
1,1,2-Trichoroethane	27.808	0.0	0.0	0.0		0
Trichloroethylene	22.594	0.0	0.0	0.0		0
Vinyl Chloride	84.293	0.0	0.0	0.0		0
Oil and Grease (Daily Max)	84500	0.0	0.0	0.0		7100
Ammonia (Daily Max)	84500	400.0	0.0	0.0		0
Flow upper limit	131400		9.6	7.5		
Flow lower limit	87600		6.4	2.8		

Phillips 66 Technology **2017**

Sample Point PR-2

All Results in mg/L unless otherwise noted

Date of Sample		3/7-8/17	6/20-21/17	9/12-13/17		6/27-28/17
PR-2	Local limit	Q1	Q2	Q3	Q4	Annual
As	0.17	0	0.0011	0.0016		0
Cd	0.037	0	0	0		0
Cr	3.824	0	0	0		0
Cu	1.524	0.014	0.028	0.017		0.061
Pb	0.469	0	0	0		0.0028
Hg	0.025004	0	0	0		0.000131
Ni	0.964	0	0	0		0
Ag	0.174537	0	0	0		0
Cn	0.42	0	0	0		0
Zn	9.541	0.024	0.04	0.038		0.113
BOD	NA	25.4	24.3	34.1		
pH	5.0-12.5	7.91	7.91	7.94		11.17
TEMP F	140	52	52	60		86
TSS	NA	29	0	31		
O&G	200	0	0	5		0
PHENOLS	NA	0	0	0		0.016
TPH	NA	0	0	0		

SECTION III

USAGE OF NON-POTABLE RECLAIMED WATER (If Applicable)

A. Supplier Information (Attach a schematic of the additional treatment given to the wastewater for reuse showing sampling point and flow meters for reclaimed water for each user)

1. Category of reclaimed water to be supplied (See OAC 252:656 Subchapter 27 and OAC 252:627 for details)

☐ Category 2 ☐ Category 3 ☐ Category 4 ☐ Category 5

2. DEQ Permit No. and Date of Approval of Construction to supply reclaimed water _____
3. Approximate Quantity of reclaimed water to be supplied _____
4. Location of sampling point for reclaimed water: Latitude: _____ N, Longitude: _____ W
5. Attach site plan of the supplier.

B. User Information (Use separate sheet for each site of the reclaimed water. Also, submit a signed copy of the agreement with each user)

1. Name of user _____

   Contact person and title _____

   Address _____

   City _____ County _____

   State _____ ZIP Code _____

   Telephone _____ Cell Phone _____

   E-mail Address _____
2. DEQ Construction Permit No. and Date of Approval to use reclaimed water _____
3. Section (¼, ¼, ¼,), Township, and Range of the reuse site _____
4. Point of entry of reclaimed water at user's site: Latitude: _____ N, Longitude _____ W
5. Attach site plan for each user including the area exposed to the reclaimed water.
6. Description of the reuse activity: _____
7. Describe access control to general public during the use of reclaimed water:

   _____
8. Describe storage facility of reclaimed water at the reuse site:

   _____
9. Approximate acreage, type and amount of crop to be irrigated for each site (applicable only to land application of reclaimed water)

Site Location	Approximate Total Acres	Approximate Irrigated Acres	Type of Crop	Annual Quantity of Crop

APPLICATION
ITEM # 14, 1

BARTLESVILLE, OKLAHOMA S-21402

SITE ID	LEGAL DESCRIPTION
81 KAHN	*SW/4* OF *SW/4* SEC. 31 - TOWNSHIP - 26N - RANGE BE
82 KAHN	*NW/4*OF *SW/4* SEC. 31 - TOWNSHIP - 26N - RANGE 13E
83 KAHN	AREA S OF RIVER - *N/2* OF *SE/4* OF *NW/4* AND *S/2* OF SE/4 OF *NW/4* AND *N12* OF *NE/4* OF *SW/4* AND *SW/4* OF *NE/4* OF *SW/4* AND *NW/4* OF *SE/4* AND SW/4 SEC. 31 - TOWNSHIP 26 N - RANGE 13 E
84 -84-A KAHN	*S/2* OF *NE/4* OF *SE/4* AND *SW/4* OF *NE/4* OF *SE/4* SEC. 36 - TOWNSHIP 26 N - RANGE 12 E
85 KAHN	NE/40 OF NE/4 SEC. 6- TOWNSHIP 25 N -RANGE 13 E
86 KAHN	AREA N OFF LAND PLAIN OF UNNAMED TRIBUTARY TO CANEY RIVER LOCATED IN *E/2* OF *SW/4* OF *SW/4* OF *NE/4* AND *N/2* OF *SW/4* OF *NE/4* AND *NW/4* OF *NE/4* AND *E/2* OF *NE/4* OF *NW/4* AND TRIANGULAR PARCEL BOUNDED BY THE NORTHERN AND EASTERN BOUNDARIES OF *SE/4 OF NE/4* OF *NW/4* SEC. 6 - TOWNSHIP 25 N - RANGE 13 E
87 KAHN	*E/2 OF NW/4* OF *NW/4* SEC. 6 - TOWNSHIP 25 N - RANGE 13 E
88 KAHN	*E/2* OF *NW/4* OF *NW/4* SEC. 6 - TOWNSHIP 25 N - RANGE 13 E
89 KAHN	*N/2* OF SE NE: SW NW NE LYING E OF RIVER SEC. 1 - TOWNSHIP 25 N - RANGE 12 E
161-161-AN	ALL OF THAT PART OF LOT 2 LYING S OF MK&T & AT. & SF RY LESS 1.28 A COUNTY ROAD: SEC. 6 - TOWNSHIP 26 N - RANGE 13 E
162	E12 SEC. LESS 16.2 A TO VAR. IND & RY & 9.22 A RY & .25 A TO COUNTY: *E/2* NW; LOT 1 - 41.31 A. - LOT 2 - 41.30 A NE SE & LOT 3 - 41.38 A SEC. 31 - TOWNSHIP 27 N - RANGE 13 E
163	*E/2* SEC. LESS 16.2 A TO V AR. IND & RY & 9.22 A RY & .25 A. TO COUNTY: E/2NW; LOT 1-41.31 A -LOT2 41.30 A NE SE & LOT 3-41.38 A SEC. 31 - TOWNSHIP 27 N - RANGE 13 E
164	*SE/2 E/2* NW LESS 5 A S OF CANEY RIVER, *E/4* NW NW SE SW NW NW LESS THAT PART LYING W OF RIVER, *W/2* SW NE SW LYING S OF RIVER SEC. 36 - TOWNSHIP 27 N RANGE - 12 E
165	*E/2* SEC. LESS 16.2 A TO V AR. IND & RY & 9.22 A RY & .25 A TO COUNTY: E/2NW; LOT 1-41.31 A. -LOT 2- 41.30 A NE SE & LOT 3-41.38 A. SEC. 31 - TOWNSHIP 27 N - RANGE 13 E

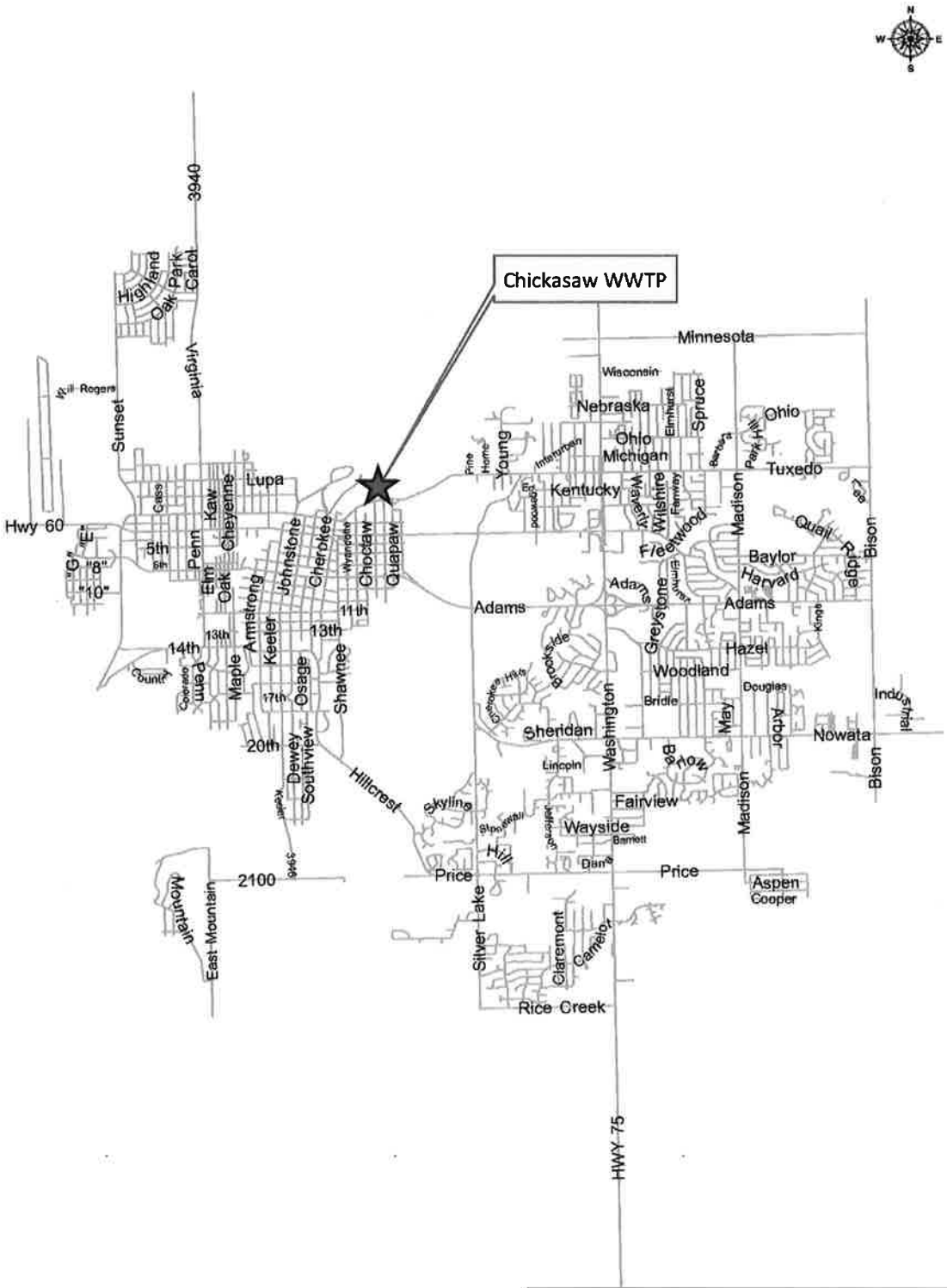
BARTLESVILLE, OKLAHOMA S-21402

SITE ID	LEGAL DESCRIPTION
166	SEI2 *E/2* NW LESS 5 A S OF CANEY RIVER, *E/4* NW NW SE SW NW NW LESS THAT PART LYING W OF RIVER, *W/2* SW NE SW LYING S OF RIVER SEC. 36 - TOWNSHIP 27 N RANGE - 12 E
167	*EI2* SEC. LESS 16.2 A TO V AR. IND & RY & 9.22 A. RY & .25 A. TO COUNTY: *E/2* NW; LOT 1-41.31 A. - LOT 2 -41.30 A. NE SE & LOT 3-41.38 A. SEC. 31 - TOWNSHIP 27 N - RANGE 13 E
168	*E/2* SEC. LESS 16.2 A TO V AR. IND & RY & 9.22 A. RY & .25 A. TO COUNTY: EI2 NW; LOT 1 - 41.31 A. - LOT 2 -41.30 A. NE SE & LOT 3 - 41.38 A. SEC. 31 - TOWNSHIP 27 N - RANGE 13 E
169	*E/2* SEC. LESS 16.2 A TO V AR. IND & RY & 9.22 A. RY & .25 A. TO COUNTY: *E/2* NW; LOT 1- 41.31 A. - LOT 2- 41.30 A. NE SE & LOT 3-41.38 A. SEC. 31 - TOWNSHIP 27 N - RANGE 13 E
170	*E/2* SEC. LESS 16.2 A. TO V AR. IND & RY & 9.22 A. RY & .25 A. TO COUNTY: *E/2* NW; LOT 1-41.31 A. -LOT2- 41.30 A. NE SE & LOT 3-41.38 A. SEC. 31 - TOWNSHIP 27 N - RANGE 13 E
171	BEG S 00 DEG 04 MIN & 1444.93 OF NE CORNER OF *NE/4* FOR POB SEC. 25 - TOWNSHIP 27 N - RANGE 12 E
172	*SE/4* LESS .50 A TO COUNTY: 520 ' OF *NE/4;* NE SW; SW SE SW; *N/2* SE SW SEC. 25 - TOWNSHIP 27 N - RANGE 12 E
173	*SE/4* LESS .50 A TO COUNTY; 520 ' OF *NE/4;* NE SW; SW SE SW; *N/2* SE SW SEC 25 - TOWNSHIP 27 N - RANGE 12 E
180	*N/20FNE/4* SEC. 28 - TOWNSHIP 28 N - RANGE 12 E
181-181-A	*S/20FNW/4* SEC. 21 - TOWNSHIP 28 N - RANGE 12 E
182	*W/2* OF *SW/4* OF *S/2* SEC. 21 - TOWNSHIP 28 N - RANGE 12 E
183	*E/2* OF SW/4 OF *S/2* SEC. 21 - TOWNSHIP 28 N - RANGE 12 E
184-184-A	W/2 OF *SE/4* OF SE/4 OF S/2 SEC. 21 - TOWNSHIP 28 N - RANGE 12 E
190	SW/2 OF *SE/4* SEC. 30 - TOWNSHIP 27 N - RANGE 13 E
191	*NI2* OF *NW/4* AND *W/2* OF *NW/4* SEC. 30 - TOWNSHIP 27 N - RANGE 13 E
192	*NE/4* OF *NE/4* AND SE/4 OF *NE/4* AND *NE/4* OF *NE/4* OF *NW/4* SEC. 30 - TOWNSHIP 27 N - RANGE 13 E

BARTLESVILLE, OKLAHOMA S-21402

Site ID	LEGAL DESCRIPTION
200 HARGER	E/S OF SW/4 SEC. 1 – TOWNSHIP 27 N – RANGE 12 E
201 HARGER	W/2 OF SE/4 SEC. 1- TOWNSHIP 27 N – RANGE 12 E
202 HARGER	E/2 OF SE/4 SEC. 1 - TOWNSHIP 27 N – RANGE 12 E
203 HARGER	NE OF SE 40 A N/2 OF SE OF SE 40 A S/2 OF SW OF NE 20 A SEC. 12 – TOWNSHIP 27 N – RANGE 12 E
204 HARGER	N/2, SW, NE 20 A, NW, NE, 40A E/2 NE, NE, NW5A , E2, SE,SE, NW 5A, E2, NE,SE NW 5A SEC. 12 RANGE 12E, TOWNSHIP 27 LATITUDE 36-83' 831" LONGITUDE 95-98' 213"
205 HARGER	LOT 2, LOT 3, N ½ LOT 4, SW ¼, NE ¼ SEC. 2 TOWNSHIP 27 N – RANGE 12 E
206 HARGER	W/2, NE, SE, NW5A, NW, SE, NW10A, NE, NW, 40A SE, NW, NW, 10A SEC. 27, RANGE 12E, TOWNSHIP 27, LATITUDE 36-83' 874" LONGITUDE 95-98' 316"
HOME PLACE	E ½, SECTION 28 – TOWNSHIP 25 RANGE 12E N ½, SECTION 33 - TOWNSHIP 26 Range 12E
SAND CREEK	E ½ SECTION 21 - TOWNSHIP 26N – RANGE 12E
MIKEL	W ½ SECTION 6 – TOWNSHIP 25N – RANGE 12E
NORTH CANDY	NE ¼, SECTION 19 – TOWNSHIP 25N – RANGE 12E NW ¼, SECTION 20 – TOWNSHIP 25N – RANGE 12E
SOUTH CANDY	SE ¼, SECTION 19 – TOWNSHIP 25N – RANGE 12E NE ¼, SECTION 30 – TOWNSHIP 25N – RANGE 12E
LIBERTY	NE ¼, SECTION 22 – TOWNSHIP 25N – RANGE 12E

APPLICATION
ITEM # 17
MAPS AND DRAWINGS



City of Bartlesville

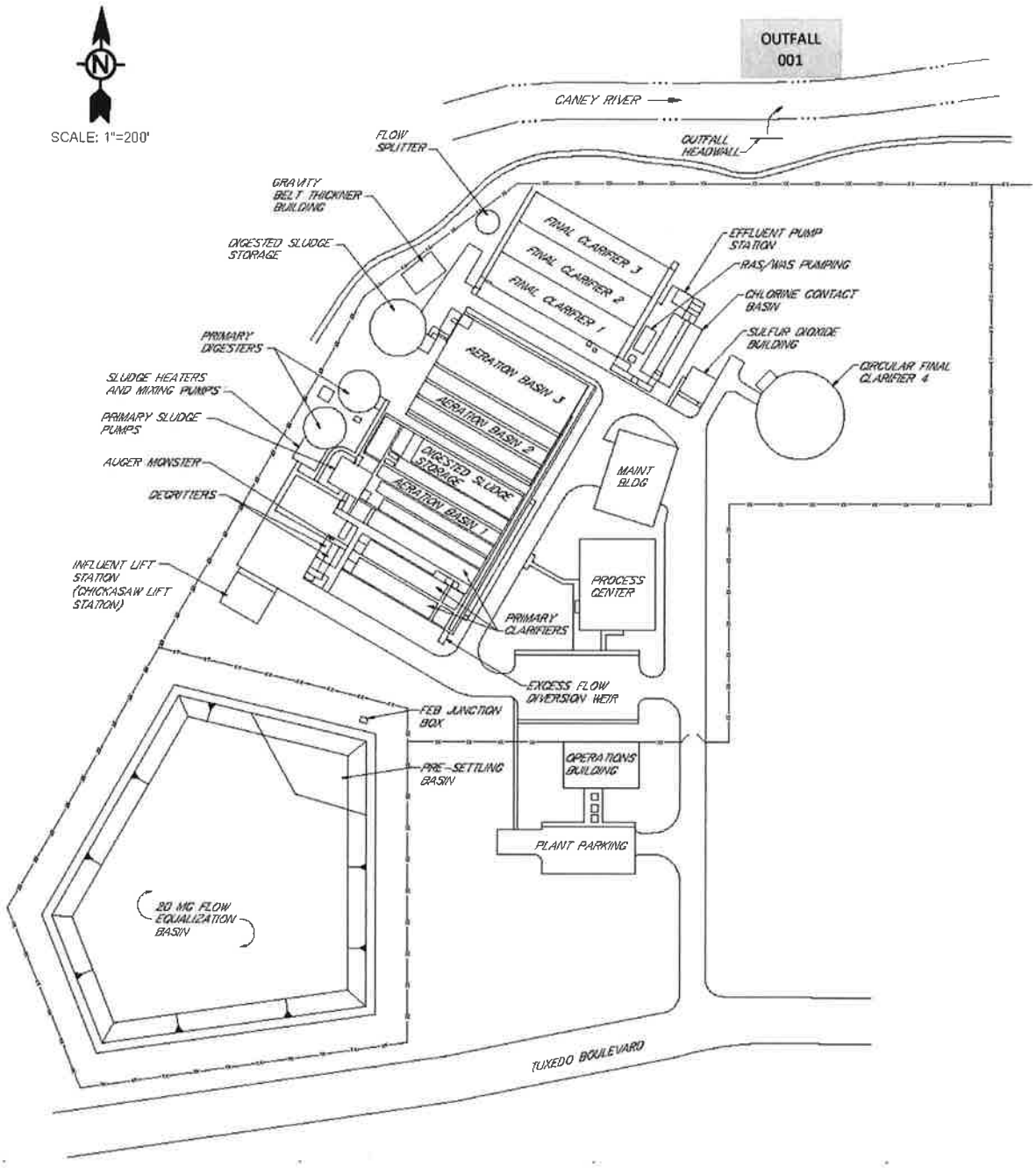
Chickasaw Wastewater Treatment Plant

January 17, 2018

City of Bartlesville

Chickasaw Wastewater Treatment Plant

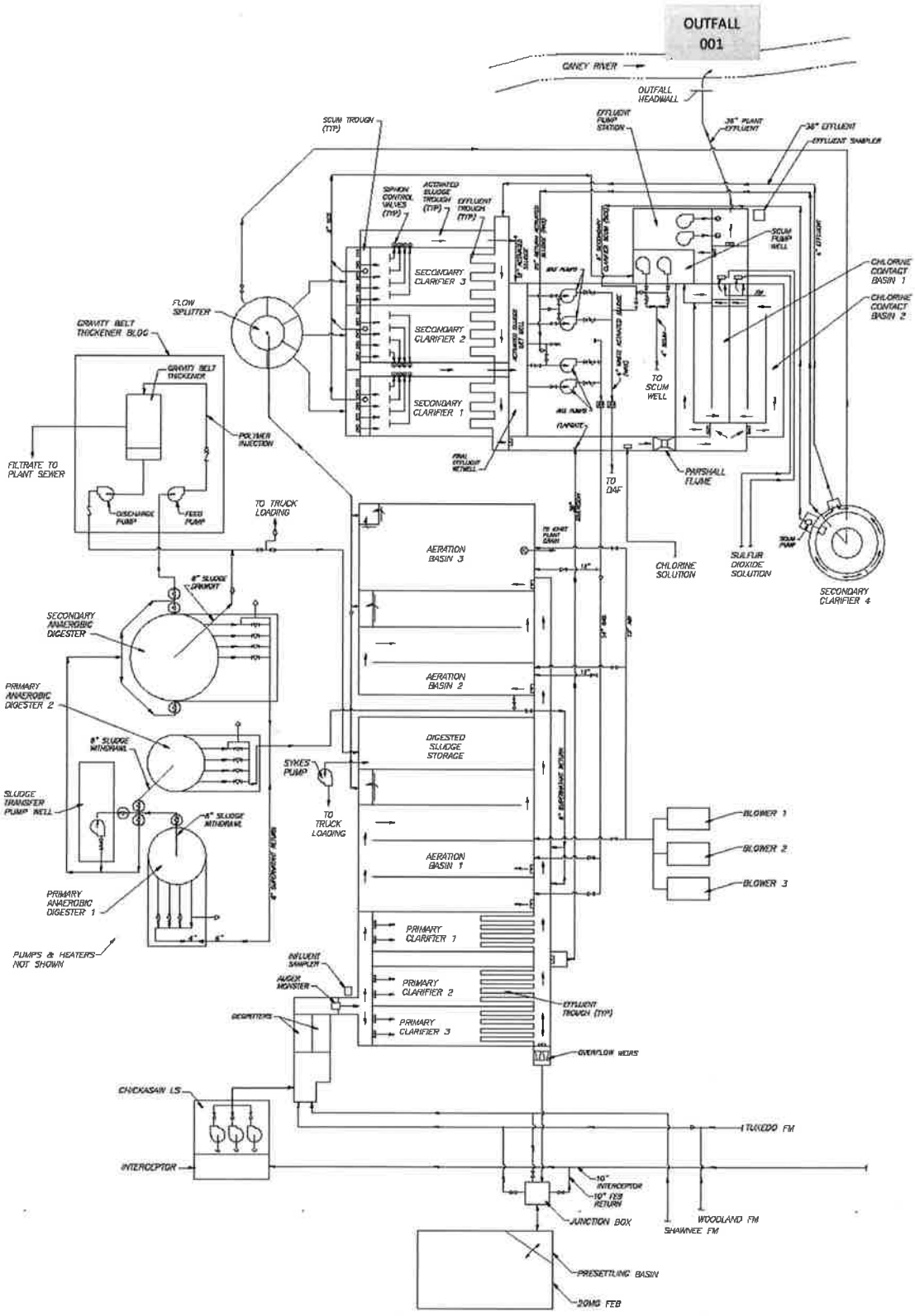
January 17, 2018



City of Bartlesville

Chickasaw Wastewater Treatment Plant

January 17, 2018



City of Bartlesville

Chickasaw Wastewater Treatment Plant

January 17, 2018

APPLICATION

ITEM #19 & 20

TABLE II, III & IV

POLLUTANTS

Accurate Environmental Laboratories

December 15, 2017

Client: Veolia Water - Bartlesville

230 North Chickasaw

Bartlesville, OK 74003

Requested By: Mike Martin

National Environmental Laboratory Accreditation Program
Kansas CERT # E-10219

Sample Project Name:	First Quarter Influent 2018
Date Samples Received:	December 07, 2017 Time: 13:40 sample temp upon arrival at lab = 4°C - On Ice
Matrix:	Water
Lab Log Numbers:	**7L07040-01 7L07040-02 7L07040-03 7L07040-04 7L07040-05 7L07040-06 7L07040-07**
Work Order:	7L07040
Report #	7L07040-1215171354
EPA Lab ID#'s:	**Stillwater OK00092 Tulsa OK00983 OKC OK00129 ICR OK 001**
Oklahoma Certification:	Stillwater WasteWater, DEQ 8316/ Drinking Water, DEQ D9602 Tulsa WasteWater, DEQ 9905 / Drinking Water, DEQ D9901 Oklahoma City WasteWater DEQ 7202 / Drinking Water, DEQ D9937
Kansas Certification:	Stillwater NELAP CERT # E-10219 Oklahoma City NELAP CERT # E-10414
New Hampshire Cert.:	Oklahoma City Drinking Water NH ELAP Lab ID # 2072
Texas Certification:	Stillwater Drinking Water NELAP CERT # T105704533-14-1
Method Reference:	40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update III. Standard Methods 1998 (20th Edition), Standard Methods 2005 (21st Edition) and Standard Methods 2011 (22nd Edition) for the Examination of Water and Wastewater.
Analysis Reference:	If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and * = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab. Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAP. Any exceptions to this can be found in the report footer or Quality Control Section of the report. This report is to only be replicated in its entirety. Accurate Enviornmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Sample: ***Influent*** **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/4/17 8:22 End Date: 12/5/17 8:14 **Lab Log#** 7L07040-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Antimony (Sb) EPA 200.8	Antimony	BPQL mg/L		0.005	12/08/17 16:00 LF	12/11/17 18:49 PD
Arsenic (As) EPA 200.8	Arsenic	BPQL mg/L		0.0005	12/08/17 16:00 LF	12/11/17 18:49 PD
Beryllium (Be) EPA 200.8	Beryllium	BPQL mg/L		0.001	12/08/17 16:00 LF	12/11/17 18:49 PD
Cadmium (Cd) EPA 200.8	Cadmium	BPQL mg/L		0.0010	12/08/17 16:00 LF	12/11/17 18:49 PD
Chromium (Cr) EPA 200.8	Chromium	BPQL mg/L		0.010	12/08/17 16:00 LF	12/11/17 18:49 PD
Copper (Cu) EPA 200.8	Copper	0.073 mg/L		0.001	12/08/17 16:00 LF	12/11/17 18:49 PD
Lead (Pb) EPA 200.8	Lead	0.0045 mg/L		0.0040	12/08/17 16:00 LF	12/11/17 18:49 PD
Mercury (Hg) EPA 245.1	Mercury	0.085 ug/L		0.050	12/12/17 09:00 RW	12/12/17 17:37 RW
Molybdenum (Mo) EPA 200.8	Molybdenum	BPQL mg/L		0.005	12/08/17 16:00 LF	12/11/17 18:49 PD
Nickel (Ni) EPA 200.8	Nickel	BPQL mg/L		0.010	12/08/17 16:00 LF	12/11/17 18:49 PD
Selenium (Se) EPA 200.8	Selenium	BPQL mg/L		0.0040	12/08/17 16:00 LF	12/11/17 18:49 PD
Silver (Ag) EPA 200.8	Silver	BPQL mg/L		0.0005	12/08/17 16:00 LF	12/11/17 18:49 PD
Strontium (Sr) EPA 200.8	Strontium	0.307 mg/L		0.025	12/08/17 16:00 LF	12/11/17 18:49 PD
Thallium (Tl) EPA 200.8	Thallium	BPQL mg/L		0.0005	12/08/17 16:00 LF	12/11/17 18:49 PD
Zinc (Zn) EPA 200.8	Zinc	0.181 mg/L		0.010	12/08/17 16:00 LF	12/11/17 18:49 PD
Semi Volatile Organic Compounds by EPA 625	Acenaphthene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Acenaphthylene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Anthracene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzidine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(a)anthracene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(b)fluoranthene (3,4-Benzofluoranthene)	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(k)fluoranthene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(g,h,i)perylene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(a)pyrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	70.2 ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-chloroethoxy)methane	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-chloroethyl) ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-chloroisopropyl) ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	12.4 ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	4-Bromophenyl phenyl ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/4/17 8:22 End Date: 12/5/17 8:14 **Lab Log#** 7L07040-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Semi Volatile Organic Compounds by EPA 625	Butyl benzyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2-Chloronaphthalene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	4-Chlorophenyl phenyl ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Chrysene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Dibenzo(a,h)anthracene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	3,3'-Dichlorobenzidine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Di-n-butyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	1,3-Dichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	1,4-Dichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dichlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Diethyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dimethylphenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Dimethyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dinitrophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dinitrotoluene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2,6-Dinitrotoluene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	1,2-Diphenylhydrazine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Di-n-octyl phthalate	22.3 ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Fluoranthene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Fluorene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Hexachlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Hexachlorobutadiene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Hexachlorocyclopentadiene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/4/17 8:22 End Date: 12/5/17 8:14 **Lab Log#** 7L07040-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Semi Volatile Organic Compounds by EPA 625	Hexachloroethane	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Indeno(1,2,3-cd)pyrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Isophorone	48.0 ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Naphthalene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Nitrobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2-Nitrophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	4-Nitrophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	N-Nitrosodimethylamine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	N-Nitrosodiphenylamine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	N-Nitrosodi-n-propylamine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Pentachlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Phenanthrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Phenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	Pyrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	1,2,4-Trichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Semi Volatile Organic Compounds by EPA 625	2,4,6-Trichlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/09/17 00:31 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Aldrin	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	alpha-BHC	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	beta-BHC	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	delta-BHC	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	4,4'-DDD	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	4,4'-DDE	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	4,4'-DDT	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Dieldrin	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endosulfan I	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endosulfan II	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/4/17 8:22 End Date: 12/5/17 8:14 **Lab Log#** 7L07040-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Pesticides/PCBs, Organochlorine - by EPA 608	Endosulfan Sulfate	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endrin	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endrin Aldehyde	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endrin Ketone	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Heptachlor	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Heptachlor Epoxide	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Methoxychlor	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1260	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1254	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1248	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1242	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1232	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1221	BPQL ug/L		0.200	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1016	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Toxaphene	BPQL ug/L		0.200	12/08/17 14:25 MS	12/12/17 14:11 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Chlordane (technical)	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 14:11 ES

Sample: ***Influent.*** **Location Code:** **PWSID#:**

Collection Type: Grab Sample Time: 12/5/17 10:50 **Lab Log#** 7L07040-02

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Cyanide, Total EPA 335.4	Cyanide	BPQL mg/L		0.010	12/08/17 14:57 MB	12/12/17 09:22 MB
Phenolics, Total - EPA 420.4	Phenol	0.016 mg/L		0.010	12/08/17 10:45 MB	12/08/17 14:04 MB
HEM by EPA 1664A	Oil & Grease (HEM)	19.8 mg/L		5.00	12/11/17 13:45 SJ	12/12/17 15:36 SJ

Sample: ***Influent Lab Composite*** **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:00 End Date: 12/5/17 14:00 **Lab Log#** 7L07040-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	Acrolein (Screen)	BPQL ug/L		40.0	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Acrylonitrile (Screen)	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Benzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:00 End Date: 12/5/17 14:00 **Lab Log#** 7L07040-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Bromoform	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Bromomethane (Methyl bromide)	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Carbon tetrachloride	BPQL ug/L		2.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Chlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Chloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	2-Chloroethyl vinyl ether	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Chloroform	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Chloromethane (Methyl chloride)	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Dibromochloromethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,3-Dichlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,2-Dichlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,4-Dichlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,1-Dichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,2-Dichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,1-Dichloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	trans-1,2-Dichloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,2-Dichloropropane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	cis-1,3-Dichloropropene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	trans-1,3-Dichloropropene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Ethylbenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Methylene Chloride	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,1,2,2-Tetrachloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Tetrachloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Toluene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Trichloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	1,1,1-Trichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:00 End Date: 12/5/17 14:00 **Lab Log#** 7L07040-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	1,1,2-Trichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Trichlorofluoromethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Volatile Organic Compounds by EPA 624	Vinyl chloride	BPQL ug/L		2.00	12/08/17 13:30 KP	12/08/17 17:51 KP
Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	BPQL ug/L		1.00	12/08/17 11:50 MW	12/08/17 16:03 GRO
Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	BPQL ug/L		2.00	12/08/17 11:50 MW	12/08/17 16:03 GRO

Notes and Definitions

#53	Analyte recoveries are outside of acceptance limits. This failure does not invalidate data reported.
#44	RPD is outside of acceptance limits. This failure does not invalidate data reported.
MCL	Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.
###	Analyte concentration may exceed regulatory limit.
PQL	Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects
BPQL	Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: S 9 A 02 15 - BLK = 2009, Jan 2, Batch #15 - Blank)

Lab Manager

Quality Control Data

Blank Data

QC Lab #	Test Group	Test	Result	PQL	Flags
S7L0846-BLK1	Cyanide, Total EPA 335.4	Cyanide	BPQL mg/L	0.010	
S7L0833-BLK1	Phenolics, Total - EPA 420.4	Phenol	BPQL mg/L	0.010	
S7L1105-BLK1	HEM by EPA 1664A	Oil & Grease (HEM)	BPQL mg/L	5.00	
S7L0848-BLK1	Antimony (Sb) EPA 200.8	Antimony	BPQL mg/L	0.005	
S7L0848-BLK1	Arsenic (As) EPA 200.8	Arsenic	BPQL mg/L	0.0005	
S7L0848-BLK1	Beryllium (Be) EPA 200.8	Beryllium	BPQL mg/L	0.001	
S7L0848-BLK1	Cadmium (Cd) EPA 200.8	Cadmium	BPQL mg/L	0.0010	
S7L0848-BLK1	Chromium (Cr) EPA 200.8	Chromium	BPQL mg/L	0.010	
S7L0848-BLK1	Copper (Cu) EPA 200.8	Copper	BPQL mg/L	0.001	
S7L0848-BLK1	Lead (Pb) EPA 200.8	Lead	BPQL mg/L	0.0040	
S7L1232-BLK1	Mercury (Hg) EPA 245.1	Mercury	BPQL ug/L	0.050	
S7L0848-BLK1	Molybdenum (Mo) EPA 200.8	Molybdenum	BPQL mg/L	0.005	
S7L0848-BLK1	Nickel (Ni) EPA 200.8	Nickel	BPQL mg/L	0.010	
S7L0848-BLK1	Selenium (Se) EPA 200.8	Selenium	BPQL mg/L	0.0040	
S7L0848-BLK1	Silver (Ag) EPA 200.8	Silver	BPQL mg/L	0.0005	
S7L0848-BLK1	Strontium (Sr) EPA 200.8	Strontium	BPQL mg/L	0.025	
S7L0848-BLK1	Thallium (Tl) EPA 200.8	Thallium	BPQL mg/L	0.0005	
S7L0848-BLK1	Zinc (Zn) EPA 200.8	Zinc	BPQL mg/L	0.010	
S7L0803-BLK1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL ug/L	5.00	
S7L0803-BLK1	Volatile Organic Compounds by EPA 624	Chloroform	BPQL ug/L	5.00	
S7L0803-BLK1	Volatile Organic Compounds by EPA 624	Toluene	BPQL ug/L	5.00	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	BPQL ug/L	1.00	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	BPQL ug/L	2.00	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	BPQL ug/L	10.0	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	BPQL ug/L	10.0	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	BPQL ug/L	10.0	
S7L0843-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	BPQL ug/L	0.050	

Quality Control Data

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
S7L0833-BS1	Phenolics, Total - EPA 420.4	Phenol	0.109	0.1000	mg/L	109	90 - 110	
S7L0846-BS1	Cyanide, Total EPA 335.4	Cyanide	0.102	0.1000	mg/L	102	90 - 110	
S7L1105-BS1	HEM by EPA 1664A	Oil & Grease (HEM)	31.9	40.00	mg/L	80	78 - 114	
S7L0848-BS1	Antimony (Sb) EPA 200.8	Antimony	0.099	0.1000	mg/L	99	85 - 115	
S7L0848-BS1	Arsenic (As) EPA 200.8	Arsenic	0.0977	0.1000	mg/L	98	85 - 115	
S7L0848-BS1	Beryllium (Be) EPA 200.8	Beryllium	0.090	0.1000	mg/L	90	85 - 115	
S7L0848-BS1	Cadmium (Cd) EPA 200.8	Cadmium	0.101	0.1000	mg/L	101	85 - 115	
S7L0848-BS1	Chromium (Cr) EPA 200.8	Chromium	0.086	0.1000	mg/L	86	85 - 115	
S7L0848-BS1	Copper (Cu) EPA 200.8	Copper	0.100	0.1000	mg/L	100	85 - 115	
S7L0848-BS1	Lead (Pb) EPA 200.8	Lead	0.0987	0.1000	mg/L	99	85 - 115	
S7L0848-BS1	Molybdenum (Mo) EPA 200.8	Molybdenum	0.100	0.1000	mg/L	100	85 - 115	
S7L0848-BS1	Nickel (Ni) EPA 200.8	Nickel	0.097	0.1000	mg/L	97	85 - 115	
S7L0848-BS1	Selenium (Se) EPA 200.8	Selenium	0.0901	0.1000	mg/L	90	85 - 115	
S7L0848-BS1	Silver (Ag) EPA 200.8	Silver	0.050	0.05000	mg/L	99	85 - 115	
S7L0848-BS1	Strontium (Sr) EPA 200.8	Strontium	0.101	0.1000	mg/L	101	85 - 115	
S7L0848-BS1	Thallium (Tl) EPA 200.8	Thallium	0.0939	0.1000	mg/L	94	85 - 115	
S7L0848-BS1	Zinc (Zn) EPA 200.8	Zinc	0.101	0.1000	mg/L	101	85 - 115	
S7L1232-BS1	Mercury (Hg) EPA 245.1	Mercury	1.79	1.667	ug/L	107	85 - 115	
S7L0803-BS1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	9.62	10.00	ug/L	96	85 - 115	
S7L0803-BS1	Volatile Organic Compounds by EPA 624	Chloroform	9.61	10.00	ug/L	96	85 - 115	
S7L0803-BS1	Volatile Organic Compounds by EPA 624	Toluene	9.69	10.00	ug/L	97	85 - 115	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	20.3	20.01	ug/L	101	80 - 120	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	40.9	40.02	ug/L	102	80 - 120	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	35.9	50.00	ug/L	72	34 - 101	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	16.0	50.00	ug/L	32	16 - 49.4	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	48.9	50.00	ug/L	98	61 - 115	
S7L0843-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	0.533	0.5000	ug/L	107	32 - 127	

Quality Control Data

LCS Duplicate Data

QC Lab#	Test Group	Test Name	LCS % Rec.	LCS Dup % Rec.	Recovery Limits	RPD	RPD Limit	Flags
S7L1105-BSD1	HEM by EPA 1664A	Oil & Grease (HEM)	80	60	78 - 114	28	20	#44, #53
S7L0803-BSD1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	96	93	85 - 115	3	20	
S7L0803-BSD1	Volatile Organic Compounds by EPA 624	Chloroform	96	96	85 - 115	0.4	20	
S7L0803-BSD1	Volatile Organic Compounds by EPA 624	Toluene	97	94	85 - 115	3	20	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	101	100	80 - 120	1	20	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	102	101	80 - 120	1	20	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	72	68	34 - 101	5	20	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	32	31	16 - 49.4	3	20	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	98	100	61 - 115	3	20	
S7L0843-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	107	115	32 - 127	8	20	

Quality Control Data

Surrogate Recovery Data

QC Lab#	Test Group	Test Name	% Recovery	Recovery Limits	Flags
7L07040-07	Volatile Organic Compounds by EPA 624	1,2-Dichloroethane-d4	113	85 - 128	
7L07040-07	Volatile Organic Compounds by EPA 624	1,4-Difluorobenzene	98	85 - 115	
7L07040-07	Volatile Organic Compounds by EPA 624	4-Bromofluorobenzene	103	82 - 122	
7L07040-07	Volatile Organic Compounds by EPA 624	Chlorobenzene-d5	102	85 - 115	
7L07040-07	Volatile Organic Compounds by EPA 624	Dibromofluoromethane	108	57.9 - 151	
7L07040-07	Volatile Organic Compounds by EPA 624	Pentafluorobenzene	99	81 - 130	
7L07040-07	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	99	70 - 130	
7L07040-07	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	98	80 - 122	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	96	70 - 130	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	97	80 - 122	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	96	70 - 130	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	97	80 - 122	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	93	70 - 130	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	93	80 - 122	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	59	20 - 72	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	81	44 - 103	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	62	19 - 82	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	72	26 - 89	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	40	15 - 50	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	72	27 - 78	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	29	2 - 42	
7L07040-01	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	79	55 - 98	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	56	20 - 72	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	65	44 - 103	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	57	19 - 82	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	61	26 - 89	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	36	15 - 50	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	61	27 - 78	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	25	2 - 42	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	86	55 - 98	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	58	20 - 72	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	82	44 - 103	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	62	19 - 82	

Quality Control Data

S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	70	26 - 89	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	39	15 - 50	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	65	27 - 78	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	27	2 - 42	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	94	55 - 98	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	53	20 - 72	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	81	44 - 103	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	56	19 - 82	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	65	26 - 89	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	34	15 - 50	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	60	27 - 78	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	24	2 - 42	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	92	55 - 98	
7L07040-01	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	85	48.8 - 145	
7L07040-01	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	90	22.2 - 114	
S7L0843-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	87	48.8 - 145	
S7L0843-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	50	22.2 - 114	
S7L0843-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	85	48.8 - 145	
S7L0843-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	49	22.2 - 114	
S7L0843-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	99	48.8 - 145	
S7L0843-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	52	22.2 - 114	

Accurate 7L07040

Labs & Training Center

Client Name- **VEOLIA WATER**

Project Name- **First Quarter Influent 2018**

Chain of Custody

(Accurate Use Only) Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water- W Soil - S Sludge-Sl Other	GRAB	COMP	Client I.D. Sample Location	Field Results Time / pH / Temp °C / Cond.	Sample Preserv. & Container → / Analysis Requested → / No. of Container ↓	4° C HNO_3 40 CFR 122 Table III Metals & MO, SR,	4° C H_2SO_4 O & G	4° C H_2SO_4 Phenols	4°C NaOH CN	4°C Gamma BHC, Benzoic Acid	4°C Bis (2ethylheyl) phthalate, Alpha Terpin	4°C /HCl Xylene, Chloroform, Tolulene, Dchlorobromo methane
-01	12/4-5/17	822 / 814.	W		X	INFLUENT		1	X						
-02	12/5/17	1050	W	X		INFLUENT		1		X					
-02	12/5/17	1050	W	X		INFLUENT		1			X				
-02	12/5/17	1050	W	X		INFLUENT		1				X			
-01	12/4-5/17	822 / 814	W		X	INFLUENT		1					X		
-01	12/4-5/17	822 / 814	W		X	INFLUENT		1						X	
-03,-04,-05,-06	12/5/17	8,10,12,2	W	X		INFLUENT		8							X
-07						Lab comp.									

Comments Use 40 CFR 136 Methods for Low Level Detections

Samples collected for xylene, chloroform, toluene,and dichloro-bromo-methane shall be composited at the laboratory.

Instrument Calibration -

Meter	Standards	Final Read.	Date , Time	Initials
pH	4 , 7 , 10			
Conductivity				

Sampled By: Mike Martin | **Company:**

	Date/Time		Date/Time
Relinquished By: Mike Martin	12/7/17 09:49	**Received By:** Julie Mell	12/7/17 09:49
Relinquished By:	**Date/Time**	**Received By:**	**Date/Time**
Relinquished to Lab By: Julie Mell	12/7/17 13:40	**Received at Lab By:** [signature] on ice 4.1 ✓	12.7.17 1340

Send Report To: VEOLIA WATER
Mike Martin
Address: 230 N. Chickasaw
Bartlesville, OK 74003

Phone #: (918) 336-2656 **Fax #:** (918) 336-2657

Send Invoice To:
P.O. #-
Address: **Same**

Phone #: ( ) **Fax #:** ( )

Accurate, Inc.- 505 South Lowry Street
Stillwater, OK 74074
Phone: (405) 372-5300
Fax: (405) 372-5396

◊ Tulsa, OK (918) 307-1115
◊ Oklahoma City, OK (405) 236-5333
◊ Enid, OK (580) 237-5353
◊ Wichita, KS (316) 683-1123

Accurate Environmental Laboratories

January 15, 2018

Client: Veolia Water - Bartlesville

230 North Chickasaw

Bartlesville, OK 74003

Requested By: Mike Martin

National Environmental Laboratory Accreditation Program
Kansas CERT # E-10219

Sample Project Name:	First Quarter Effluent 2018
Date Samples Received:	December 07, 2017 Time: 13:40 sample temp upon arrival at lab = 4°C - On Ice
Matrix:	Water
Lab Log Numbers:	**7L07027-01 7L07027-02 7L07027-03 7L07027-04 7L07027-05 7L07027-06 7L07027-07**
Work Order:	7L07027
Report #	7L07027-0115181238
EPA Lab ID#'s:	**Stillwater OK00092 Tulsa OK00983 OKC OK00129 ICR OK 001**
Oklahoma Certification:	Stillwater WasteWater, DEQ 8316/ Drinking Water, DEQ D9602 Tulsa WasteWater, DEQ 9905 / Drinking Water, DEQ D9901 Oklahoma City WasteWater DEQ 7202 / Drinking Water, DEQ D9937
Kansas Certification:	Stillwater NELAP CERT # E-10219 Oklahoma City NELAP CERT # E-10414
New Hampshire Cert.:	Oklahoma City Drinking Water NH ELAP Lab ID # 2072
Texas Certification:	Stillwater Drinking Water NELAP CERT # T105704533-14-1
Method Reference:	40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update III. Standard Methods 1998 (20th Edition), Standard Methods 2005 (21st Edition) and Standard Methods 2011 (22nd Edition) for the Examination of Water and Wastewater.
Analysis Reference:	If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and * = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAP. Any exceptions to this can be found in the report footer or Quality Control Section of the report.

This report is to only be replicated in its entirety.

Accurate Enviornmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Sample: ***Effluent*** **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:10 End Date: 12/6/17 8:10 **Lab Log#** 7L07027-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Antimony (Sb) EPA 200.8	Antimony	BPQL mg/L		0.005	12/08/17 16:00 LF	12/11/17 18:43 PD
Arsenic (As) EPA 200.8	Arsenic	BPQL mg/L		0.0005	12/08/17 16:00 LF	12/11/17 18:43 PD
Beryllium (Be) EPA 200.8	Beryllium	BPQL mg/L		0.001	12/08/17 16:00 LF	12/11/17 18:43 PD
Cadmium (Cd) EPA 200.8	Cadmium	BPQL mg/L		0.0010	12/08/17 16:00 LF	12/11/17 18:43 PD
Chromium (Cr) EPA 200.8	Chromium	BPQL mg/L		0.010	12/08/17 16:00 LF	12/11/17 18:43 PD
Copper (Cu) EPA 200.8	Copper	0.003 mg/L		0.001	12/08/17 16:00 LF	12/11/17 18:43 PD
Lead (Pb) EPA 200.8	Lead	BPQL mg/L		0.0040	12/08/17 16:00 LF	12/11/17 18:43 PD
Mercury (Hg) EPA 245.1	Mercury	BPQL ug/L		0.050	12/12/17 09:00 RW	12/12/17 17:26 RW
Molybdenum (Mo) EPA 200.8	Molybdenum	BPQL mg/L		0.005	12/08/17 16:00 LF	12/11/17 18:43 PD
Nickel (Ni) EPA 200.8	Nickel	BPQL mg/L		0.010	12/08/17 16:00 LF	12/11/17 18:43 PD
Selenium (Se) EPA 200.8	Selenium	BPQL mg/L		0.0040	12/08/17 16:00 LF	12/11/17 18:43 PD
Silver (Ag) EPA 200.8	Silver	BPQL mg/L		0.0005	12/08/17 16:00 LF	12/11/17 18:43 PD
Thallium (Tl) EPA 200.8	Thallium	BPQL mg/L		0.0005	12/08/17 16:00 LF	12/11/17 18:43 PD
Zinc (Zn) EPA 200.8	Zinc	0.045 mg/L		0.010	12/08/17 16:00 LF	12/11/17 18:43 PD
Semi Volatile Organic Compounds by EPA 625	Acenaphthene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Acenaphthylene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Anthracene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzidine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(a)anthracene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(b)fluoranthene (3,4-Benzofluoranthene)	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(k)fluoranthene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(g,h,i)perylene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzo(a)pyrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-chloroethoxy)methane	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-chloroethyl) ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-chloroisopropyl) ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) adipate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	4-Bromophenyl phenyl ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:10 End Date: 12/6/17 8:10 **Lab Log#** 7L07027-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Semi Volatile Organic Compounds by EPA 625	Butyl benzyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2-Chloronaphthalene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	4-Chlorophenyl phenyl ether	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Chrysene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Dibenzo(a,h)anthracene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	3,3'-Dichlorobenzidine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Di-n-butyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	1,3-Dichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	1,4-Dichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dichlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Diethyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dimethylphenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Dimethyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dinitrophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2,4-Dinitrotoluene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2,6-Dinitrotoluene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	1,2-Diphenylhydrazine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Di-n-octyl phthalate	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Fluoranthene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Fluorene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Hexachlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Hexachlorobutadiene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Hexachlorocyclopentadiene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:10 End Date: 12/6/17 8:10 **Lab Log#** 7L07027-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Semi Volatile Organic Compounds by EPA 625	Hexachloroethane	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Indeno(1,2,3-cd)pyrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Isophorone	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Naphthalene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Nitrobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2-Nitrophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	4-Nitrophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	N-Nitrosodimethylamine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	N-Nitrosodiphenylamine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	N-Nitrosodi-n-propylamine	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Pentachlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Phenanthrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Phenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	Pyrene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	1,2,4-Trichlorobenzene	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Semi Volatile Organic Compounds by EPA 625	2,4,6-Trichlorophenol	BPQL ug/L		10.0	12/08/17 08:20 MAC	12/08/17 21:48 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Aldrin	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	alpha-BHC	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	beta-BHC	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	delta-BHC	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	4,4'-DDD	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	4,4'-DDE	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	4,4'-DDT	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Dieldrin	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endosulfan I	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endosulfan II	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/5/17 8:10 End Date: 12/6/17 8:10 **Lab Log#** 7L07027-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Pesticides/PCBs, Organochlorine - by EPA 608	Endosulfan Sulfate	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endrin	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endrin Aldehyde	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Endrin Ketone	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Heptachlor	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Heptachlor Epoxide	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Methoxychlor	BPQL ug/L		0.050	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1260	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1254	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1248	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1242	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1232	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1221	BPQL ug/L		0.200	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	PCB-1016	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Toxaphene	BPQL ug/L		0.200	12/08/17 14:25 MS	12/12/17 13:19 ES
Pesticides/PCBs, Organochlorine - by EPA 608	Chlordane (technical)	BPQL ug/L		0.100	12/08/17 14:25 MS	12/12/17 13:19 ES

Sample: ***Effluent.*** **Location Code:** **PWSID#:**

Collection Type: Grab Sample Time: 12/6/17 9:40 **Lab Log#** 7L07027-02

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Cyanide, Total EPA 335.4	Cyanide	BPQL mg/L		0.010	12/08/17 14:57 MB	12/12/17 09:21 MB
Phenolics, Total - EPA 420.4	Phenol	BPQL mg/L		0.010	12/08/17 10:45 MB	12/08/17 14:01 MB
HEM by EPA 1664A	Oil & Grease (HEM)	BPQL mg/L		5.00	12/11/17 13:45 SJ	12/12/17 15:36 SJ

Sample: ***Effluent Lab Composite*** **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/6/17 8:00 End Date: 12/6/17 14:00 **Lab Log#** 7L07027-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	Acrolein (Screen)	BPQL ug/L		40.0	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Acrylonitrile (Screen)	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Benzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/6/17 8:00 End Date: 12/6/17 14:00 **Lab Log#** 7L07027-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Bromoform	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Bromomethane (Methyl bromide)	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Carbon tetrachloride	BPQL ug/L		2.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Chlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Chloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	2-Chloroethyl vinyl ether	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Chloroform	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Chloromethane (Methyl chloride)	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Dibromochloromethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,3-Dichlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,2-Dichlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,4-Dichlorobenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,1-Dichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,2-Dichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,1-Dichloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	trans-1,2-Dichloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,2-Dichloropropane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	cis-1,3-Dichloropropene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	trans-1,3-Dichloropropene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Ethylbenzene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Methylene Chloride	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,1,2,2-Tetrachloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Tetrachloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Toluene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Trichloroethene	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	1,1,1-Trichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP

Sample: **Location Code:** **PWSID#:**

Collection Type: Composite Start Date: 12/6/17 8:00 End Date: 12/6/17 14:00 **Lab Log#** 7L07027-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	1,1,2-Trichloroethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Trichlorofluoromethane	BPQL ug/L		5.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Volatile Organic Compounds by EPA 624	Vinyl chloride	BPQL ug/L		2.00	12/08/17 13:30 KP	12/08/17 16:43 KP
Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	BPQL ug/L		1.00	12/08/17 11:50 MW	12/08/17 15:40 GRO
Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	BPQL ug/L		2.00	12/08/17 11:50 MW	12/08/17 15:40 GRO

Revised Report

Notes and Definitions

#67	Analyte recovery is outside of in-house generated limits, but within method specified limits.
#53	Analyte recoveries are outside of acceptance limits. This failure does not invalidate data reported.
#52	Analyte recoveries are outside of acceptance limits for the matrix spike sample. This failure does not invalidate data reported.
#44	RPD is outside of acceptance limits. This failure does not invalidate data reported.
MCL	Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.
###	Analyte concentration may exceed regulatory limit.
PQL	Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects
BPQL	Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: S 9 A 02 15 - BLK = 2009, Jan 2, Batch #15 - Blank)

Lab Manager

Quality Control Data

Blank Data

QC Lab #	Test Group	Test	Result	PQL	Flags
S7L0846-BLK1	Cyanide, Total EPA 335.4	Cyanide	BPQL mg/L	0.010	
S7L0833-BLK1	Phenolics, Total - EPA 420.4	Phenol	BPQL mg/L	0.010	
S7L1105-BLK1	HEM by EPA 1664A	Oil & Grease (HEM)	BPQL mg/L	5.00	
S7L0848-BLK1	Antimony (Sb) EPA 200.8	Antimony	BPQL mg/L	0.005	
S7L0848-BLK1	Arsenic (As) EPA 200.8	Arsenic	BPQL mg/L	0.0005	
S7L0848-BLK1	Beryllium (Be) EPA 200.8	Beryllium	BPQL mg/L	0.001	
S7L0848-BLK1	Cadmium (Cd) EPA 200.8	Cadmium	BPQL mg/L	0.0010	
S7L0848-BLK1	Chromium (Cr) EPA 200.8	Chromium	BPQL mg/L	0.010	
S7L0848-BLK1	Copper (Cu) EPA 200.8	Copper	BPQL mg/L	0.001	
S7L0848-BLK1	Lead (Pb) EPA 200.8	Lead	BPQL mg/L	0.0040	
S7L1232-BLK1	Mercury (Hg) EPA 245.1	Mercury	BPQL ug/L	0.050	
S7L0848-BLK1	Molybdenum (Mo) EPA 200.8	Molybdenum	BPQL mg/L	0.005	
S7L0848-BLK1	Nickel (Ni) EPA 200.8	Nickel	BPQL mg/L	0.010	
S7L0848-BLK1	Selenium (Se) EPA 200.8	Selenium	BPQL mg/L	0.0040	
S7L0848-BLK1	Silver (Ag) EPA 200.8	Silver	BPQL mg/L	0.0005	
S7L0848-BLK1	Thallium (Tl) EPA 200.8	Thallium	BPQL mg/L	0.0005	
S7L0848-BLK1	Zinc (Zn) EPA 200.8	Zinc	BPQL mg/L	0.010	
S7L0803-BLK1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL ug/L	5.00	
S7L0803-BLK1	Volatile Organic Compounds by EPA 624	Chloroform	BPQL ug/L	5.00	
S7L0803-BLK1	Volatile Organic Compounds by EPA 624	Toluene	BPQL ug/L	5.00	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	BPQL ug/L	1.00	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	BPQL ug/L	2.00	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	BPQL ug/L	10.0	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	BPQL ug/L	10.0	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	BPQL ug/L	10.0	
S7L0843-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	BPQL ug/L	0.050	

Duplicate Sample Data

QC Lab #	Test Group	Test Name	Source	Dup Result	Samp Result	% RPD	RPD Limit	Flags
S7L0833-DUP2	Phenolics, Total - EPA 420.4	Phenol	7L07027-02	0.009	0.008	13	20	

Quality Control Data

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
S7L0833-BS1	Phenolics, Total - EPA 420.4	Phenol	0.109	0.1000	mg/L	109	90 - 110	
S7L0846-BS1	Cyanide, Total EPA 335.4	Cyanide	0.102	0.1000	mg/L	102	90 - 110	
S7L1105-BS1	HEM by EPA 1664A	Oil & Grease (HEM)	31.9	40.00	mg/L	80	78 - 114	
S7L0848-BS1	Antimony (Sb) EPA 200.8	Antimony	0.099	0.1000	mg/L	99	85 - 115	
S7L0848-BS1	Arsenic (As) EPA 200.8	Arsenic	0.0977	0.1000	mg/L	98	85 - 115	
S7L0848-BS1	Beryllium (Be) EPA 200.8	Beryllium	0.090	0.1000	mg/L	90	85 - 115	
S7L0848-BS1	Cadmium (Cd) EPA 200.8	Cadmium	0.101	0.1000	mg/L	101	85 - 115	
S7L0848-BS1	Chromium (Cr) EPA 200.8	Chromium	0.086	0.1000	mg/L	86	85 - 115	
S7L0848-BS1	Copper (Cu) EPA 200.8	Copper	0.100	0.1000	mg/L	100	85 - 115	
S7L0848-BS1	Lead (Pb) EPA 200.8	Lead	0.0987	0.1000	mg/L	99	85 - 115	
S7L0848-BS1	Molybdenum (Mo) EPA 200.8	Molybdenum	0.100	0.1000	mg/L	100	85 - 115	
S7L0848-BS1	Nickel (Ni) EPA 200.8	Nickel	0.097	0.1000	mg/L	97	85 - 115	
S7L0848-BS1	Selenium (Se) EPA 200.8	Selenium	0.0901	0.1000	mg/L	90	85 - 115	
S7L0848-BS1	Silver (Ag) EPA 200.8	Silver	0.050	0.05000	mg/L	99	85 - 115	
S7L0848-BS1	Thallium (Tl) EPA 200.8	Thallium	0.0939	0.1000	mg/L	94	85 - 115	
S7L0848-BS1	Zinc (Zn) EPA 200.8	Zinc	0.101	0.1000	mg/L	101	85 - 115	
S7L1232-BS1	Mercury (Hg) EPA 245.1	Mercury	1.79	1.667	ug/L	107	85 - 115	
S7L0803-BS1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	9.62	10.00	ug/L	96	85 - 115	
S7L0803-BS1	Volatile Organic Compounds by EPA 624	Chloroform	9.61	10.00	ug/L	96	85 - 115	
S7L0803-BS1	Volatile Organic Compounds by EPA 624	Toluene	9.69	10.00	ug/L	97	85 - 115	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	20.3	20.01	ug/L	101	80 - 120	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	40.9	40.02	ug/L	102	80 - 120	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	35.9	50.00	ug/L	72	34 - 101	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	16.0	50.00	ug/L	32	16 - 49.4	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	48.9	50.00	ug/L	98	61 - 115	
S7L0843-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	0.533	0.5000	ug/L	107	32 - 127	

Quality Control Data

LCS Duplicate Data

QC Lab#	Test Group	Test Name	LCS % Rec.	LCS Dup % Rec.	Recovery Limits	RPD	RPD Limit	Flags
S7L1105-BSD1	HEM by EPA 1664A	Oil & Grease (HEM)	80	60	78 - 114	28	20	#44, #53
S7L0803-BSD1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	96	93	85 - 115	3	20	
S7L0803-BSD1	Volatile Organic Compounds by EPA 624	Chloroform	96	96	85 - 115	0.4	20	
S7L0803-BSD1	Volatile Organic Compounds by EPA 624	Toluene	97	94	85 - 115	3	20	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	101	100	80 - 120	1	20	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	102	101	80 - 120	1	20	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	72	68	34 - 101	5	20	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	32	31	16 - 49.4	3	20	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	98	100	61 - 115	3	20	
S7L0843-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	107	115	32 - 127	8	20	

Matrix Spike Data

QC Lab #	Test Group	Test Name	Source Sample	Sample Result	Units	Spike Result	Spike Level	% Rec.	Acceptance Limits	Flags
S7L0833-MS2	Phenolics, Total - EPA 420.4	Phenol	7L07027-02	0.008	mg/L	0.086	0.1000	78	80 - 120	#52
S7L0803-MS1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	7L07027-07	BPQL	ug/L	7.77	10.00	78	79.3 - 122	#67
S7L0803-MS1	Volatile Organic Compounds by EPA 624	Chloroform	7L07027-07	BPQL	ug/L	9.18	10.00	92	81.8 - 122	
S7L0803-MS1	Volatile Organic Compounds by EPA 624	Toluene	7L07027-07	BPQL	ug/L	9.07	10.00	91	81 - 122	

Matrix Spike Duplicate Data

QC Lab #	Test Group	Test Name	Sample Result	Spike Result	Spike Level	Units	% Rec.	Rec. Limits	% RPD	RPD Limit	Flags
S7L0803-MSD1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL	8.91	10.00	ug/L	89	79.3-122	14	20	
S7L0803-MSD1	Volatile Organic Compounds by EPA 624	Chloroform	BPQL	9.78	10.00	ug/L	98	81.8-122	6	20	
S7L0803-MSD1	Volatile Organic Compounds by EPA 624	Toluene	BPQL	9.28	10.00	ug/L	93	81-122	2	20	

Quality Control Data

Surrogate Recovery Data

QC Lab#	Test Group	Test Name	% Recovery	Recovery Limits	Flags
7L07027-07	Volatile Organic Compounds by EPA 624	1,2-Dichloroethane-d4	112	85 - 128	
7L07027-07	Volatile Organic Compounds by EPA 624	1,4-Difluorobenzene	100	85 - 115	
7L07027-07	Volatile Organic Compounds by EPA 624	4-Bromofluorobenzene	110	82 - 122	
7L07027-07	Volatile Organic Compounds by EPA 624	Chlorobenzene-d5	99	85 - 115	
7L07027-07	Volatile Organic Compounds by EPA 624	Dibromofluoromethane	100	57.9 - 151	
7L07027-07	Volatile Organic Compounds by EPA 624	Pentafluorobenzene	101	81 - 130	
7L07027-07	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	96	70 - 130	
7L07027-07	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	94	80 - 122	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	96	70 - 130	
S7L0811-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	97	80 - 122	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	96	70 - 130	
S7L0811-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	97	80 - 122	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	93	70 - 130	
S7L0811-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	93	80 - 122	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	44	20 - 72	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	65	44 - 103	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	49	19 - 82	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	49	26 - 89	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	30	15 - 50	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	49	27 - 78	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	22	2 - 42	
7L07027-01	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	80	55 - 98	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	56	20 - 72	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	65	44 - 103	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	57	19 - 82	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	61	26 - 89	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	36	15 - 50	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	61	27 - 78	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	25	2 - 42	
S7L0808-BLK1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	86	55 - 98	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	58	20 - 72	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	82	44 - 103	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	62	19 - 82	

Quality Control Data

S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	70	26 - 89	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	39	15 - 50	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	65	27 - 78	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	27	2 - 42	
S7L0808-BS1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	94	55 - 98	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	53	20 - 72	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	81	44 - 103	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	56	19 - 82	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	65	26 - 89	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	34	15 - 50	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	60	27 - 78	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	24	2 - 42	
S7L0808-BSD1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	92	55 - 98	
7L07027-01	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	98	48.8 - 145	
7L07027-01	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	71	22.2 - 114	
S7L0843-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	87	48.8 - 145	
S7L0843-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	50	22.2 - 114	
S7L0843-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	85	48.8 - 145	
S7L0843-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	49	22.2 - 114	
S7L0843-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	99	48.8 - 145	
S7L0843-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	52	22.2 - 114	

Accurate

Labs & Training Center

7L07627

Client Name-

Project Name-

Chain of Custody
VEOLIA WATER
First Quarter Effluent 2018

(Accurate Use Only) Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water- W Soil - S Sludge-Sl Other	GRAB	COMP	Client I.D. Sample Location	Field Results Time / pH / Temp °C / Cond.	Sample Preserv. & Container → / Analysis Requested → / No. of Container ↓	4° C HNO3: 40 CFR 122 Table III Metals & MO	4° C H_2SO_4: O & G	4° C H_2SO_4: Phenols	4°C NaOH: CN	4°C: Gamma BHC , Benzoic Acid	4°C: Bis (2ethylheyl) phthalate ,Alpha	4°C /HCl: Xylene,Chloroform, Toluene, Dchlorobromo methane
-01	12/5-6/17	810 / 810	W		X	EFFLUENT		1	X						
-02	12/6/17	940	W	X		EFFLUENT		1		X					
-02	12/6/17	940	W	X		EFFLUENT		1			X				
-02	12/6/17	940 AC 12-8-17	W	X		EFFLUENT		1				X			
~~-03~~ -01	12/~~6~~5-6/17 AC 12.7.17	~~940~~ 810/810	W AC 12.7.17	~~X~~	X	EFFLUENT		1					X		
-01	12/5-6/17	810 / 810	W		X	EFFLUENT		1						X	
-03, -04, -05, -06	12/6/17	8,10,12,2	W	X		EFFLUENT		8							X
-07						Lab Comp.									

Comments Use 40 CFR 136 Methods for Low Level Detections

Samples collected for xylene, chloroform, toluene,and dichloro-bromo-methane shall be composited at the laboratory.

Please send a E-mail and hard copy of results.

Instrument Calibration -

Meter	Standards	Final Read.	Date , Time	Initials
pH	4 , 7 , 10			
Conductivity				

Sampled By: Mike Martin

Company:

Relinquished By: Mike Martin	**Date/Time** 12/7/17 09:49	**Received By:** Dale Mell	**Date/Time** 12/7/17 09:49
Relinquished By:	**Date/Time**	**Received By:**	**Date/Time**
Relinquished to Lab By: Dale Mell	**Date/Time** 12/7/17 13:40	**Received at Lab By:** [signature] on ice 4.1°C	**Date/Time** 12.7.17 1340

Send Report To: VEOLIA WATER
Mike Martin
Address: 230 N. Chickasaw
Bartlesville, OK 74003

Phone #: (918) 336-2656 **Fax #:** (918) 336-2657

Send Invoice To:

P.O. #-

Address: Same

Phone #: ( ) **Fax #:** ( )

Accurate, Inc.- 505 South Lowry Street Stillwater, OK 74074 Phone: (405) 372-5300 Fax: (405) 372-5396

◊ Tulsa, OK (918) 307-1115 ◊ Enid, OK (580) 237-5353
◊ Oklahoma City, OK (405) 236-5333 ◊ Wichita, KS (316) 683-1123

Accurate Environmental Laboratories

October 16, 2017

Client: Veolia Water - Bartlesville

230 North Chickasaw

Bartlesville, OK 74003

Requested By: Mike Martin

NELAP ACCREDITED TNI LABORATORY

National Environmental Laboratory Accreditation Program
Kansas CERT # E-10219

Received 10-22-2017

Sample Project Name: 4th Quarter Influent 2017

Date Samples Received: October 05, 2017 Time: 14:45 sample temp upon arrival at lab = 4°C - On Ice

Matrix: Water

Lab Log Numbers: 7J05044-01 7J05044-02 7J05044-03 7J05044-04 7J05044-05 7J05044-06 7J05044-07

Work Order: 7J05044

Report # 7J05044-1016171620

EPA Lab ID#'s: Stillwater OK00092 Tulsa OK00983 OKC OK00129 ICR OK 001

Oklahoma Certification: Stillwater WasteWater, DEQ 8316/ Drinking Water, DEQ D9602

Tulsa WasteWater, DEQ 9905 / Drinking Water, DEQ D9901

Oklahoma City WasteWater DEQ 7202 / Drinking Water, DEQ D9937

Kansas Certification: Stillwater NELAP CERT # E-10219

New Jersey Certification: Oklahoma City Drinking Water NELAP CERT # OK005

Texas Certification: Stillwater Drinking Water NELAP CERT # T105704533-14-1

Method Reference: 40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update III. Standard Methods 1998 (20th Edition), Standard Methods 2005 (21st Edition) and Standard Methods 2011 (22nd Edition) for the Examination of Water and Wastewater.

Analysis Reference: If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and * = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAP. Any exceptions to this can be found in the report footer or Quality Control Section of the report.

This report is to only be replicated in its entirety.

Accurate Enviornmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Sample: *Influent* Location Code: PWSID#:

Collection Type: Composite Start Date: 10/2/17 8:12 End Date: 10/3/17 8:18 Lab Log# 7J05044-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Antimony (Sb) EPA 200.8	Antimony	BPQL mg/L		0.005	10/09/17 16:00 RW	10/10/17 17:00 PD
Arsenic (As) EPA 200.8	Arsenic	BPQL mg/L		0.0005	10/09/17 16:00 RW	10/10/17 17:00 PD
Beryllium (Be) EPA 200.8	Beryllium	BPQL mg/L		0.001	10/09/17 16:00 RW	10/11/17 14:22 PD
Cadmium (Cd) EPA 200.8	Cadmium	BPQL mg/L		0.0010	10/09/17 16:00 RW	10/10/17 17:00 PD
Chromium (Cr) EPA 200.8	Chromium	BPQL mg/L		0.010	10/09/17 16:00 RW	10/10/17 17:00 PD
Copper (Cu) EPA 200.8	Copper	0.026 mg/L		0.001	10/09/17 16:00 RW	10/10/17 17:00 PD
Lead (Pb) EPA 200.8	Lead	BPQL mg/L		0.0040	10/09/17 16:00 RW	10/10/17 17:00 PD
Mercury (Hg) EPA 245.1	Mercury	BPQL ug/L		0.050	10/10/17 08:30 RW	10/10/17 15:18 RW
Molybdenum (Mo) EPA 200.8	Molybdenum	BPQL mg/L		0.005	10/09/17 16:00 RW	10/10/17 17:00 PD
Nickel (Ni) EPA 200.8	Nickel	BPQL mg/L		0.010	10/09/17 16:00 RW	10/10/17 17:00 PD
Selenium (Se) EPA 200.8	Selenium	BPQL mg/L		0.0040	10/09/17 16:00 RW	10/10/17 17:00 PD
Silver (Ag) EPA 200.8	Silver	BPQL mg/L		0.0005	10/09/17 16:00 RW	10/10/17 17:00 PD
Strontium (Sr) EPA 200.8	Strontium	0.279 mg/L		0.025	10/09/17 16:00 RW	10/10/17 17:00 PD
Thallium (Tl) EPA 200.8	Thallium	BPQL mg/L		0.0005	10/09/17 16:00 RW	10/10/17 17:00 PD
Zinc (Zn) EPA 200.8	Zinc	0.078 mg/L		0.010	10/09/17 16:00 RW	10/10/17 17:00 PD
Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	BPQL ug/L	MS	10.0	10/06/17 12:28 SJ	10/09/17 14:29 ES
Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	BPQL ug/L		0.050	10/06/17 10:30 SJ	10/09/17 11:26 ES

Sample: *Influent* Location Code: PWSID#:

Collection Type: Grab Sample Time: 10/3/17 12:00 Lab Log# 7J05044-02

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Cyanide, Total EPA 335.4	Cyanide	BPQL mg/L		0.010	10/11/17 15:21 MB	10/12/17 15:31 Inorg
Phenolics, Total - EPA 420.4	Phenol	0.013 mg/L		0.010	10/12/17 09:46 MB	10/12/17 14:32 Inorg
HEM by EPA 1664A	Oil & Grease (HEM)	8.90 mg/L		5.00	10/06/17 13:03 MAC	10/09/17 10:12 MAC

Sample: *Influent Lab Composite* Location Code: PWSID#:

Collection Type: Composite Start Date: 10/3/17 8:00 End Date: 10/3/17 14:00 Lab Log# 7J05044-07

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL ug/L		5.00	10/10/17 11:44 KP	10/10/17 12:40 KP
Volatile Organic Compounds by EPA 624	Chloroform	BPQL ug/L		5.00	10/10/17 11:44 KP	10/10/17 12:40 KP
Volatile Organic Compounds by EPA 624	Toluene	BPQL ug/L		5.00	10/10/17 11:44 KP	10/10/17 12:40 KP
Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	BPQL ug/L		4.20	10/06/17 10:48 MW	10/06/17 11:57 GRO
Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	BPQL ug/L		8.40	10/06/17 10:48 MW	10/06/17 11:57 GRO

Notes and Definitions

MS	Insufficient sample volume received to perform MS/MSD for this analysis.
MCL	Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.
###	Analyte concentration may exceed regulatory limit.
PQL	Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects
BPQL	Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: S 9 A 02 15 - BLK = 2009, Jan 2, Batch #15 - Blank)

Lab Manager

Quality Control Data

Blank Data

QC Lab #	Test Group	Test	Result	PQL	Flags
S7J1150-BLK1	Cyanide, Total EPA 335.4	Cyanide	BPQL mg/L	0.010	
S7J1233-BLK1	Phenolics, Total - EPA 420.4	Phenol	BPQL mg/L	0.010	
S7J0640-BLK1	HEM by EPA 1664A	Oil & Grease (HEM)	BPQL mg/L	5.00	
S7J0945-BLK1	Antimony (Sb) EPA 200.8	Antimony	BPQL mg/L	0.005	
S7J0945-BLK1	Arsenic (As) EPA 200.8	Arsenic	BPQL mg/L	0.0005	
S7J0945-BLK1	Beryllium (Be) EPA 200.8	Beryllium	BPQL mg/L	0.001	
S7J0945-BLK1	Cadmium (Cd) EPA 200.8	Cadmium	BPQL mg/L	0.0010	
S7J0945-BLK1	Chromium (Cr) EPA 200.8	Chromium	BPQL mg/L	0.010	
S7J0945-BLK1	Copper (Cu) EPA 200.8	Copper	BPQL mg/L	0.001	
S7J0945-BLK1	Lead (Pb) EPA 200.8	Lead	BPQL mg/L	0.0040	
S7J1021-BLK1	Mercury (Hg) EPA 245.1	Mercury	BPQL ug/L	0.050	
S7J0945-BLK1	Molybdenum (Mo) EPA 200.8	Molybdenum	BPQL mg/L	0.005	
S7J0945-BLK1	Nickel (Ni) EPA 200.8	Nickel	BPQL mg/L	0.010	
S7J0945-BLK1	Selenium (Se) EPA 200.8	Selenium	BPQL mg/L	0.0040	
S7J0945-BLK1	Silver (Ag) EPA 200.8	Silver	BPQL mg/L	0.0005	
S7J0945-BLK1	Strontium (Sr) EPA 200.8	Strontium	BPQL mg/L	0.025	
S7J0945-BLK1	Thallium (Tl) EPA 200.8	Thallium	BPQL mg/L	0.0005	
S7J0945-BLK1	Zinc (Zn) EPA 200.8	Zinc	BPQL mg/L	0.010	
S7J1002-BLK1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	BPQL ug/L	2.00	
S7J1002-BLK1	Volatile Organic Compounds by EPA 624	Chloroform	BPQL ug/L	5.00	
S7J1002-BLK1	Volatile Organic Compounds by EPA 624	Toluene	BPQL ug/L	5.00	
S7J0634-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	BPQL ug/L	1.00	
S7J0634-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	BPQL ug/L	2.00	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	BPQL ug/L	10.0	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	BPQL ug/L	10.0	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	BPQL ug/L	10.0	
S7J0626-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	BPQL ug/L	0.050	

Quality Control Data

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
S7J1150-BS1	Cyanide, Total EPA 335.4	Cyanide	0.100	0.1000	mg/L	100	90 - 110	
S7J1233-BS1	Phenolics, Total - EPA 420.4	Phenol	0.099	0.1000	mg/L	99	90 - 110	
S7J0640-BS1	HEM by EPA 1664A	Oil & Grease (HEM)	31.3	40.00	mg/L	78	78 - 114	
S7J0945-BS1	Antimony (Sb) EPA 200.8	Antimony	0.103	0.1000	mg/L	103	85 - 115	
S7J0945-BS1	Arsenic (As) EPA 200.8	Arsenic	0.0988	0.1000	mg/L	99	85 - 115	
S7J0945-BS1	Beryllium (Be) EPA 200.8	Beryllium	0.089	0.1000	mg/L	89	85 - 115	
S7J0945-BS1	Cadmium (Cd) EPA 200.8	Cadmium	0.100	0.1000	mg/L	100	85 - 115	
S7J0945-BS1	Chromium (Cr) EPA 200.8	Chromium	0.102	0.1000	mg/L	102	85 - 115	
S7J0945-BS1	Copper (Cu) EPA 200.8	Copper	0.101	0.1000	mg/L	101	85 - 115	
S7J0945-BS1	Lead (Pb) EPA 200.8	Lead	0.107	0.1000	mg/L	107	85 - 115	
S7J0945-BS1	Molybdenum (Mo) EPA 200.8	Molybdenum	0.102	0.1000	mg/L	102	85 - 115	
S7J0945-BS1	Nickel (Ni) EPA 200.8	Nickel	0.100	0.1000	mg/L	100	85 - 115	
S7J0945-BS1	Selenium (Se) EPA 200.8	Selenium	0.0982	0.1000	mg/L	98	85 - 115	
S7J0945-BS1	Silver (Ag) EPA 200.8	Silver	0.051	0.05000	mg/L	103	85 - 115	
S7J0945-BS1	Strontium (Sr) EPA 200.8	Strontium	0.102	0.1000	mg/L	102	85 - 115	
S7J0945-BS1	Thallium (Tl) EPA 200.8	Thallium	0.1054	0.1000	mg/L	105	85 - 115	
S7J0945-BS1	Zinc (Zn) EPA 200.8	Zinc	0.092	0.1000	mg/L	92	85 - 115	
S7J1021-BS1	Mercury (Hg) EPA 245.1	Mercury	1.84	1.667	ug/L	110	85 - 115	
S7J0634-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	20.0	20.01	ug/L	100	80 - 120	
S7J0634-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	40.2	40.02	ug/L	100	80 - 120	
S7J1002-BS1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	10.6	10.00	ug/L	106	85 - 115	
S7J1002-BS1	Volatile Organic Compounds by EPA 624	Chloroform	10.4	10.00	ug/L	104	85 - 115	
S7J1002-BS1	Volatile Organic Compounds by EPA 624	Toluene	10.2	10.00	ug/L	102	85 - 115	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	31.6	50.00	ug/L	63	34 - 101	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	19.8	50.00	ug/L	40	16 - 49.4	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	39.5	50.00	ug/L	79	61 - 115	
S7J0626-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	0.498	0.5000	ug/L	100	32 - 127	

Quality Control Data

LCS Duplicate Data

QC Lab#	Test Group	Test Name	LCS % Rec.	LCS Dup % Rec.	Recovery Limits	RPD	RPD Limit	Flags
S7J0640-BSD1	HEM by EPA 1664A	Oil & Grease (HEM)	78	88	78 - 114	11	20	
S7J1002-BSD1	Volatile Organic Compounds by EPA 624	Bromodichloromethane	106	104	85 - 115	1	20	
S7J1002-BSD1	Volatile Organic Compounds by EPA 624	Chloroform	104	101	85 - 115	3	20	
S7J1002-BSD1	Volatile Organic Compounds by EPA 624	Toluene	102	100	85 - 115	2	20	
S7J0634-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	o-Xylene	100	101	80 - 120	1	20	
S7J0634-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	m,p-Xylene	100	102	80 - 120	2	20	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	Alpha-Terpineol	63	69	34 - 101	9	20	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	Benzoic Acid	40	44	16 - 49.4	10	20	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	Bis(2-ethylhexyl) phthalate	79	82	61 - 115	4	20	
S7J0626-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	gamma-BHC (Lindane)	100	102	32 - 127	3	20	

Quality Control Data

Quality Control Data

Surrogate Recovery Data

QC Lab#	Test Group	Test Name	% Recovery	Recovery Limits	Flags
7J05044-07	Volatile Organic Compounds by EPA 624	1,2-Dichloroethane-d4	112	85 - 128	
7J05044-07	Volatile Organic Compounds by EPA 624	1,4-Difluorobenzene	102	85 - 115	
7J05044-07	Volatile Organic Compounds by EPA 624	4-Bromofluorobenzene	97	82 - 122	
7J05044-07	Volatile Organic Compounds by EPA 624	Chlorobenzene-d5	102	85 - 115	
7J05044-07	Volatile Organic Compounds by EPA 624	Dibromofluoromethane	106	57.9 - 151	
7J05044-07	Volatile Organic Compounds by EPA 624	Pentafluorobenzene	106	81 - 130	
7J05044-07	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	100	70 - 130	
7J05044-07	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	99	80 - 122	
S7J0634-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	98	70 - 130	
S7J0634-BLK1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	97	80 - 122	
S7J0634-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	97	70 - 130	
S7J0634-BS1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	97	80 - 122	
S7J0634-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	4-Bromofluorobenzene	98	70 - 130	
S7J0634-BSD1	Xylenes by OK DEQ 8020/8015 (Mod)	a,a,a-Trifluorotoluene	98	80 - 122	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	42	20 - 72	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	71	44 - 103	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	50	19 - 82	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	56	26 - 89	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	30	15 - 50	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	55	27 - 78	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	22	2 - 42	
7J05044-01	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	73	55 - 98	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	48	20 - 72	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	62	44 - 103	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	51	19 - 82	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	54	26 - 89	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	35	15 - 50	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	55	27 - 78	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	22	2 - 42	
S7J0637-BLK1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	86	55 - 98	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	45	20 - 72	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	76	44 - 103	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	50	19 - 82	

Quality Control Data

S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	58	26 - 89	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	32	15 - 50	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	57	27 - 78	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	23	2 - 42	
S7J0637-BS1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	78	55 - 98	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	1,2-Dichlorobenzene-d4	49	20 - 72	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	2,4,6-Tribromophenol	78	44 - 103	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Chlorophenol-d4	53	19 - 82	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Fluorobiphenyl	62	26 - 89	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	2-Fluorophenol	33	15 - 50	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	Nitrobenzene-d5	62	27 - 78	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	Phenol-d6	24	2 - 42	
S7J0637-BSD1	Semi Volatile Organic Compounds by EPA 625	Terphenyl-d14	79	55 - 98	
7J05044-01	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	97	48.8 - 145	
7J05044-01	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	69	22.2 - 114	
S7J0626-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	103	48.8 - 145	
S7J0626-BLK1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	60	22.2 - 114	
S7J0626-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	117	48.8 - 145	
S7J0626-BS1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	62	22.2 - 114	
S7J0626-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	DCB	115	48.8 - 145	
S7J0626-BSD1	Pesticides/PCBs, Organochlorine - by EPA 608	TCMX	66	22.2 - 114	

Accurate
Labs & Training Center

7J05044

Client Name-

Project Name-

Chain of Custody
VEOLIA WATER
Fourth Quarter Influent 2017

(Accurate Use Only) Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water- W Soil - S Sludge-Sl Other	GRAB	COMP	Client I.D. Sample Location	Field Results Time / pH / Temp °C / Cond.	Sample Preserv. & Container →	4° C HNO_3	4° C H_2SO_4	4° C H_2SO_4	4°C NaOH	4°C	4°C	4°C /HCl
								Analysis Requested → / No. of Container ↓	40 CFR 122 Table III Metals & MO, SR,	O & G	Phenols	CN	Gamma BHC	Bis (2ethylhexyl) phthalate	Xylene,Chloroform, Toluene, Dchlorobromo methane
-01	10/2-3/17	812 / 818	W		X	Influent		1	X						
-02	10/3/17	12:00 pm	W	X		Influent		1		X					
-02	10/3/17	12:00 pm	W	X		Influent		1			X				
-02	10/3/17	12:00 pm	W	X		Influent		1				X			
-01	10/2-3/17	812 / 818	W		X	Influent		1					X		
-01	10/2-3/17	812 818	W		X	Influent		1						X	
-03-04-05-06	10/3/17	8,10,12,2	W	X		Influent		8							X
-07						" Lab Composite									

Comments Use 40 CFR 136 Methods for Low Level Detections

Samples collected for xylene, chloroform, toluene,and dichloro-bromo-methane shall be composited at the laboratory.

43°C/ice

Instrument Calibration -

Meter	Standards	Final Read.	Date , Time	Initials
pH	4 , 7 , 10			
Conductivity				

Sampled By: Mike Martin **Company:**

Relinquished By: Mike Martin	**Date/Time** 10-5-17 10 53	**Received By:** Debi Mall	**Date/Time** 10/5/17 10:57
Relinquished By: Debi Mall	**Date/Time** 10/5/17 14:45	**Received By:**	**Date/Time**
Relinquished to Lab By:	**Date/Time**	**Received at Lab By:**	**Date/Time** 10-5-17 1445

Send Report To: VEOLIA WATER
Mike Martin
Address: 230 N. Chickasaw
Bartlesville, OK 74003

Phone #: (918) 336-2656 **Fax #:** (918) 336-2657

Send Invoice To:

P.O. #-

Address: Same

Phone #: ( ) **Fax #:** ( )

Accurate, Inc.- 505 South Lowry Street Phone: (405) 372-5300
Stillwater, OK 74074 Fax: (405) 372-5396

◊ Tulsa, OK (918) 307-1115 ◊ Enid, OK (580) 237-5353
◊ Oklahoma City, OK (405) 236-5333 ◊ Wichita, KS (316) 683-1123

APPLICATION

ITEM #20

TABLE V

POLLUTANTS

City of bartlesville OKLAHOMA

Water Utilities Department

Date: January 17, 2018

RE: 40 CFR 122 Appendix D, Table V Pollutants

To whom it may concern:

As of the date of this application, we do not know, or have a reasonable expectation that any pollutant listed in the above referenced list will be discharged from the Chickasaw Wastewater Treatment Plant.

Terry Lauritsen, P.E.
Director of Water Utilities

The City of Bartlesville – 401 South Johnstone Avenue – Bartlesville, Oklahoma 74003
phone: 918-338-4251; fax: 918-338-4259; net: www.cityofbartlesville.org

APPLICATION

ITEM #21

REGULATED TOXIC

POLLUTANTS

Bartlesville WWTP

Effluent Pollutants

2015	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Thallium	0.012			
Zinc	0.040	0.049	0.034	0.043
Oil and Grease			3.1	
Chloroform			0.0149	
Dibromochloromethane			0.0049	

2016	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Molybdenum			0.056	
Zinc	0.038	0.046	0.054	0.05
bis(2-Ethylhexyl)phthalate			0.0152	0.0073
Chloroform			0.0046	0.0025
Dibromochloromethane			0.0041	

2017	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Cadmium			0.001	
Copper	0.013	0.011	0.004	
Strontium		0.421		
Zinc	0.044	0.069	0.039	0.032
Total Phenolics			0.013	
Oil and Grease	5.1			