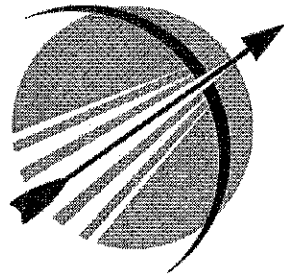


ANNUAL REPORT TO THE
OKLAHOMA DEPARTMENT OF
ENVIRONMENTAL QUALITY



BROKEN ARROW

Where opportunity lives

INDUSTRIAL PRETREATMENT PROGRAM FOR: THE CITY OF BROKEN
ARROW, OKLAHOMA LYNN LANE WASTEWATER TREATMENT PLANT

NPDES PERMIT NUMBER OK 0040053

OCTOBER 1, 2016 THROUGH SEPTEMBER 30, 2017



Monday, October 23, 2017

Roshini Nambiar, Municipal Pretreatment Coordinator
Oklahoma Department of Environmental Quality
Municipal Wastewater Enforcement Section
Water Quality Division
PO Box 1677
Oklahoma City, OK 73101-1677

Re: FY 2017 Pretreatment Annual Report to the DEQ
City of Broken Arrow Industrial Pretreatment Program
Lynn Lane Wastewater Treatment Plant
Oklahoma Pollutant Discharge Elimination System
(OPDES) Permit Number OK0040053

Dear Ms. Nambiar:

The City of Broken Arrow Industrial Pretreatment Program Annual Report for the period October 1, 2016 through September 30, 2017 is hereby submitted. Please note the following overall general comments in addition to the required forms:

Report of Changes to the Approved Pretreatment Program

There have been no changes made or requested to the current City of Broken Arrow/ Lynn Lane Wastewater Treatment Plant (WWTP) Approved Industrial Pretreatment Program.

Industrial User (IU) Wastewater Survey

The IU Wastewater Survey is continually updated in Broken Arrow. All new non-residential utility customers are given a one-page short survey to fill out before they can obtain water service. The surveys are then forwarded to the pretreatment office.

A comprehensive IU Survey is performed every 5 years and was initiated in late 2016. Facilities are inspected for compliance with City of Broken Arrow Municipal Code Chapter 24, Article V, Requirements for Discharge to the Sanitary Sewer System (Industrial Pretreatment Program).

Survey inspections focused on process wastewater streams; sand interceptor and oil/water separator maintenance records; chemical storage areas; and waste manifests. Inspections were performed at automotive shops, car washes, machine shops, and manufacturing facilities. Surveys were mailed to dental offices as well as all other industrial operations in Broken Arrow. No new industrial permits were added to the City of Broken Arrow Industrial Pretreatment Program as a result of the survey during this pretreatment year. All records pertaining to the IU survey are kept at the pretreatment office for your review.

Report on Pass Through, Upset and/or Interference

Regarding Influent and Effluent priority pollutant scans, all parameters were below both maximum allowable headworks loadings (MAHL) and Oklahoma Water Quality Criteria.

There have been no instances of pass through, upset or interference resulting in OPDES permit violations known or suspected to have been caused by industrial users at any of the POTW covered under the City of Broken Arrow Industrial Pretreatment Program.



Report on Other Administrative Activities

During the 2016-2017 pretreatment year no Industrial Users were significantly non-compliant (SNC).

The City of Broken Arrow issued Blue Bell Creameries a consent order on January 23, 2017. The order requires Blue Bell to hire an engineer, perform a waste characterization study, use the study to choose a method of pretreatment, construct the pretreatment facility and come into compliance with Broken Arrow discharge permit BA 007. Blue Bell was assessed a \$10,000 penalty as a part of the consent order to be paid at each milestone date. \$8,000 has been received so far. Surcharges have been suspended until the proposed dissolved air flotation treatment system is in operation.

Blue Bell hired Gresham, Smith & Partners as their engineering firm, performed a waste characterization, submitted a preliminary engineering report, then final engineering report, and performed a pilot study of a portable DAF unit. Blue Bell staff has requested a meeting with City of Broken Arrow staff for the end of October to report the Pilot Study results. Blue Bell is ordered to begin construction by January 8, 2018 and have the pretreatment system constructed by January 7, 2019. The documentation is available for your review in Section 6 of the annual report.

Broken Arrow Powder Coating (Location 1) is located in the Lynn Lane WWTP basin. All operations at this location were moved to Location 2, which is in the Haikey Creek WWTP basin, effective 2/9/16. In February of 2017, the oven at Location 2 broke down and operation was temporarily moved to Location 1. Quarterly self-monitoring was performed one time at Location 1, on 3/3/17, during this pretreatment year. The City of Broken Arrow did not perform an inspection or control authority sample of Location 1.

PACCAR Winch began discharging from their permitted process in February of 2017. They submitted a 90-day compliance report which showed no violations. Their self-monitoring report for 7/7/17 revealed a daily technical review criteria (TRC) violation for copper. City of Broken Arrow issued a notice of violation (NOV) on 7/20/17. They performed 3 re-tests for copper in the month of July which were all below the daily permit limit. City staff performed significant non-compliance (SNC) calculations and found that PACCAR Winch was not SNC. The City of Broken Arrow received all proper documentation from PACCAR Winch and subsequently closed out the NOV. The documentation is available for your review in Section 3 of this report.

Russelectric submitted the April to June 2017 quarterly monitoring report late. An NOV was issued on July 21, 2017. Please review the documentation in Section 3.

Pollution Prevention

The City of Broken Arrow places a high value on pollution prevention. Please read the following list of activities for FY 2016:

- Broken Arrow MET Recycle Center yearly totals: Antifreeze recycled = 850 gal; Cooking oil recycled = 254 gal; Motor oil recycled = 8,375 gal
- City of Broken Arrow cooking oil recycle station (located @ Reasor's) yearly total = 370 gal
- City of Broken Arrow has an inspector that conducts food handling establishment inspections 3 days per week. His goal is to make it to all Broken Arrow establishments



twice per year. He checks the grease interceptor for proper maintenance, looks at maintenance manifests, speaks with management about best management practices, and inspects cooking oil recycle areas.

- City of Broken Arrow pretreatment staff made a presentation at the annual Homeowner's Association Workshop about fats, oil & grease (FOG) Pollution Prevention and the importance of recycling used cooking oil.
- City of Broken Arrow offers free cooking oil collection bottles and recycling instructions to residents at City Hall.
- City staff also participated in a FOG pollution prevention workshop with the DEQ pollution prevention team as well as several other larger Oklahoma pretreatment cities. The workshop provided information on start-up and maintenance of a productive FOG program, it was created for smaller, non-pretreatment cities in Oklahoma.

This concludes the summary; the annual report is to follow. Thank you for your support. If you have any questions, please contact me at (918) 259-7000 ext. 7220 lwilson@brokenarrowok.gov.

Sincerely,

Lauren Wilson
Pretreatment Coordinator
City of Broken Arrow

cc: Michael Spurgeon, City Manager
Kenneth Schwab, Assistant City Manager of Operations
Anthony Daniel, Utilities Director



BROKEN ARROW

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THE CITY OF BROKEN ARROW
LYNN LANE WASTEWATER TREATMENT PLANT
INDUSTRIAL PRETREATMENT PROGRAM

CERTIFICATION STATEMENT

"I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

The City of Broken Arrow

Control Authority

Oct. 1, 2016 to Sep. 30, 2017

Report Date

Anthony Daniel

Name of Responsible Official

Director of Utilities

Title

Signature

10-24-17

SECTION 1:

PRETREATMENT PERFORMANCE SUMMARY

PRETREATMENT PERFORMANCE SUMMARY (PPS)

Page 1 of 2

I. General Information

City of Broken Arrow, Lynn Lane Wastewater Treatment Plant

Control Authority Name

485 N. Poplar Ave.

Address

Broken Arrow, OK 74012

City, State, Zip

Lauren Wilson, Pretreatment Coordinator, City of Broken Arrow

Contact Person, Position

(918) 259-7000 Ext. 7220

(Area Code)

Contact Telephone

OK0040053

OPDES Permit Number(s)

Begin Date: 10/1/16

Reporting Period

End Date: 9/30/17

II. Significant Industrial User Compliance

Record the Number of SIU Who:

SIGNIFICANT INDUSTRIAL USERS

Categorical

Non-categorical

I.	a. Submitted a BMR	<u>0</u>	N/A
	b. Were Required to Submit a BMR	<u>0</u>	N/A
2.	a. Submitted a 90-Day Compliance Report	<u>1</u>	N/A
	b. Were Required to Submit a 90-Day Report	<u>1</u>	N/A
3.	a. Submitted Required Self-Monitoring Reports	<u>4</u>	<u>2</u>
	b. Were Required to Submit Self-Monitoring Reports	<u>4</u>	<u>2</u>
4.	a. Met a Compliance Schedule	<u>0</u>	<u>0</u>
	b. Were Required to Meet a Compliance Schedule	<u>0</u>	<u>0</u>
5.	a. Were in Significant Noncompliance (SNC)	<u>0</u>	<u>0</u>

Additional Information:

6.	Total Number of SIU	<u>4</u>	<u>3</u>
7.	Rate of SNC for <u>all</u> SIU (categorical & non-categorical)		<u>0</u> %

PRETREATMENT PERFORMANCE SUMMARY (PPS)

Page 2 of 2

III. Compliance Monitoring Program

<u>Record the Number of:</u>		<u>SIGNIFICANT INDUSTRIAL USERS</u>	
		<u>Categorical</u>	<u>Non-categorical</u>
1.	a. Issued Control Documents	<u>0</u>	<u>2</u>
	b. Required Control Documents	<u>0</u>	<u>2</u>
2.	a. Facilities Inspected	<u>4</u>	<u>3</u>
	b. Inspections Conducted	<u>5</u>	<u>3</u>
3.	a. Facilities Sampled	<u>4</u>	<u>2</u>
	b. Samplings Conducted	<u>14</u>	<u>87</u>

IV. Enforcement Actions

<u>Record the Number of:</u>		<u>SIGNIFICANT INDUSTRIAL USERS</u>	
		<u>Categorical</u>	<u>Non-categorical</u>
1.	a. Compliance Schedules Issued	<u>0</u>	<u>1</u>
	b. Compliance Schedules Required	<u>0</u>	<u>1</u>
2.	Notices of Violation (NOV) Issued	<u>2</u>	<u>0</u>
3.	Administrative Orders (AO) Issued	<u>0</u>	<u>0</u>
4.	Civil Suits Filed	<u>0</u>	<u>0</u>
5.	Criminal Suits Filed	<u>0</u>	<u>0</u>
6.	Significant Violators Published	<u>0</u>	<u>0</u>
7.	SIU that were Assessed Penalties	<u>0</u>	<u>1</u>
8.	Dollars of Penalties Collected	<u>\$ 0</u>	<u>\$ 8,000</u>
9.	Other Actions (sewer bans, etc.)	<u>0</u>	<u>0</u>

SECTION 2:

SIGNIFICANT INDUSTRIAL USERS

PRETREATMENT PROGRAM STATUS REPORT
Updated Significant Industrial User List

SIGNIFICANT INDUSTRIAL USER (SUI) NAME AND ADDRESS		SUI CODE	CATEGORICAL/ NONCATEGORICAL	CONTROL DOCUMENT Y/N	ADDED/ DELETED (Y/N/A)	NUMBER OF TIMES SAMPLED			NUMBER OF VIOLATIONS ENTERED	COMPLIANCE STATUS (C=NC, SNC, N/A)		
						CITY	ST	SUI		90-Day Compliance	Self- Monitoring	EFFLUENT LIMITS
BFI/Broken Arrow Landfill	1225 N. 161 E Ave.	4953	NONCATEGORICAL	Y	Issued/ effective 11/1/17	N/A	1	5	1	N/A	C	C
Blue Bell Creameries	8201 E. HWY 51	2024	NONCATEGORICAL	Y	Issued/ Effective 11/4/17	N/A	1	82	2	N/A	C	NC
Russelectric	1215 E. Houston	3471	CATEGORICAL	Y	11/4/2012	N/A	1	3	1	N/A	NC	C
Broken Arrow Powder Coatings	809 N. 16th	3479	CATEGORICAL	Y	6/1/2013	N/A	0	1	0	N/A	C	C
Flight Safety International	700 N. 9th St.	3471	CATEGORICAL	Y	6/16/2013	N/A	1	4	1	N/A	C	C
Gruv-N-Gasket	705 S. 12th St.	7699	NONCATEGORICAL	Y	4/9/2016	N/A	0	0	1	N/A	N/A	N/A
PACCAR Winch		3479	CATEGORICAL	Y	08/26/16	N/A	0	6	2	N/A	C	NC

Additional Notes: Broken Arrow Powder Coatings moved all operation to Location 2 in the Harkey Creek Basin on 2/9/16.

Gruv-N-Gasket has a zero-discharge permit, no monitoring required.

PACCAR Winch has not begun discharging process wastewater yet, so no compliance monitoring was performed.

SECTION 3:

NON-COMPLIANT INDUSTRIAL USERS

NONCOMPLIANT USERS Enforcement Actions Taken

[illegible]

Additional Notes:



Thursday, August 24, 2017

Brennan Gourdie
PACCAR Winch
800 East Dallas Street
Broken Arrow, OK 74012

Re: July 2017 Copper Analysis/Compliance Status

Dear Mr. Gourdie,

I am writing you this letter to give you an update on the compliance status for PACCAR Winch in regards to the City of Broken Arrow Wastewater Discharge Permit # BA008. As you know, quarterly compliance monitoring for the PACCAR Winch 5-stage wash system revealed a copper result of 5.36 mg/L for the sample pulled on July 7th. The permit limits are as follows: daily maximum: 3.38 mg/L, monthly average: 2.07 mg/L. Mr. Richard Loflin emailed me a 24-hour written notice and performed 3 re-tests for Copper. PACCAR Winch had a daily maximum and monthly average violation, but is not significantly non-compliant for this quarter. I have attached an EPA Fact Sheet on Significant Non-Compliance for your information. Table I, shown below, lists results from all monitoring that was calculated (calculations for significant non-compliance are done on a 6-month rolling quarter).

The City of Broken Arrow issued a notice of violation to which you responded within 5 days, as requested. Mr. Loflin speculates that some solids accumulation may have formed in the sample box because of where the discharge pipe is located. He has told me that he intends to install a new sampling box that discharges from the bottom instead of the side so that there will be no solids accumulation in the future. This violation is hereby "Closed Out". Please continue your normal sampling and reporting schedule. Should you have any questions or concerns regarding this correspondence, do not hesitate to contact me at (918) 259-7000 ext. 7220.

Sincerely,

Lauren Wilson
Pretreatment Coordinator
City of Broken Arrow
P.O. Box 610
Broken Arrow, OK 74013
(918) 259-7000 ext. 7220 FAX: (918) 251-3383
lwilson@brokenarrowok.gov

cc: Anthony Daniel, Director of Utilities, City of Broken Arrow,
Barney Campbell, Assistant Director of Utilities, City of Broken Arrow
Richard Loflin, Manufacturing Engineer, PACCAR Winch
Sam Simpson, HSE Coordinator, PACCAR Winch



Table I: Rolling Quarter: April to September:
Copper Analysis

Sample Date	Result Mg/L	Daily Maximum Permit Limit (mg/L)	Violation of Daily Maximum Limit?	Technical Review Criteria (TRC) Limit (mg/L)	Violation of TRC Limit?	Monthly Average Permit Limit (mg/L)	Violation of Monthly Average?	%Daily Violations	%TRC Violations	SNC?
4/12/17	0.0873	3.38	no	4.056	no	2.07				
7/7/17	5.36	3.38	yes	4.056	yes	2.07	yes	20%	20%	No
7/24/17	3.16	3.38	no	4.056	no	2.07				
7/26/17	0.119	3.38	no	4.056	no	2.07				
7/28/17	0.012	3.38	no	4.056	no	2.07				

Monthly Average: 2.16 mg/L



RECEIVED 7/26/17

Thursday, July 20, 2017

Brennan Gourdie
PACCAR Winch
800 East Dallas Street
Broken Arrow, OK 74012



Reviewed By *LW*
AUG 01 2017

Re: NOTICE OF VIOLATION OF CITY OF BROKEN ARROW WASTEWATER DISCHARGE PERMIT # BA 008

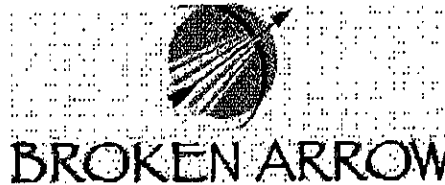
Dear Mr. Gourdie,

Enclosed is a notice of violation (NOV) of Wastewater Discharge Permit # BA 008 for PACCAR Winch Broken Arrow. The quarterly compliance monitoring report that was submitted to the Broken Arrow Pretreatment Office revealed a copper result of 5.36 mg/L for the sample taken on July 7, 2017. This result is 0.58 times over the daily copper limit of 3.38 mg/L. You fulfilled the requirement of notifying the City within 24 hours by submitting written notification on Thursday, July 20, 2017. Please sign the enclosed NOV form and return to the City of Broken Arrow Pretreatment Office within five days. Federal, State, and Local law require a retest for copper within 30 days. You should also prepare a monitoring report for the retest. Compliance with the monthly average limit as well as Federal significant non-compliance (SNC) guidelines will be calculated after all re-testing has been completed and submitted to the Pretreatment Office. Should you have any questions or concerns regarding this correspondence, do not hesitate to contact me at (918) 259-7000 ext. 7220.

Sincerely,

Lauren Wilson
Pretreatment Coordinator
City of Broken Arrow
P.O. Box 610
Broken Arrow, OK 74013
(918) 259-7000 ext. 7220 FAX: (918) 251-3383
lwilson@brokenarrowok.gov

cc: Anthony Daniel, Director of Utilities, City of Broken Arrow,
Barney Campbell, Assistant Director of Utilities, City of Broken Arrow
Richard Loflin, Manufacturing Engineer, PACCAR Winch

**RECEIVED**
7-26-17**Utilities Department
Industrial Pretreatment Program****Reviewed By****AUG 01 2017***Ln***Notice of Violation**

In accordance with § 24-506 of the Broken Arrow Code of Ordinances this instrument serves as a written notice of violation of the industrial wastewater discharge permit and/or requirements of federal, State or local regulations pertaining to wastewater discharge.

Discharger: PACCAR Winch (Broken Arrow)Address of Discharge: 800 East Dallas Street, Broken Arrow, OK 74012Permit#: BA 008 Date Notice Issued: 7/21/17Control Authority Issuing Representative: THE CITY OF BROKEN ARROW

Date Violation occurred	In violation of	Nature of violation	Fine
7/7/17	Wastewater Discharge Permit # BA 008	Copper reported at 5.36 mg/L, which is over the daily limit of 3.38 mg/L	None, no violations in previous 6-month period. 0.58 times over the limit, does not require a fine per City of Broken Arrow Pretreatment Enforcement Response Plan. Notice of Violation required.

IMPORTANT: VIOLATION(S) MUST CEASE AND DESIST BY: IMMEDIATELY

Receipt of Notice Acknowledged by Discharger:

BRENNAN GOODE

*Authorized Signatory for Industrial Discharger (Print)

GENERAL MANAGER, PACCAL WIND

Title

7/25/17

Date

Signature

Brennan Goode7/20/17

Date

Barney Campbell
Barney Campbell, Assistant Director of Utilities

Within 5 days of the date of this notice, return the signed form to:

City of Broken Arrow
P.O. Box 610
Broken Arrow, OK 74013
Attn: Industrial Pretreatment Coordinator

NOTE : PREVENTED ACTIONS INDICATED
ON NEXT PAGE ALREADY
INITIATED AND SAMPLE RETEST
AT LAB FOR ANALYSIS.

(phone) 918-259-7000 ext. 7220, (fax) 918-251-3383, (email) lwilson@brokenarrowok.gov. Fax or email may be used to meet the 5-day requirement. Original may be included with next monthly report.

RECEIVED
7-26-17

Reviewed By
AUG 01 2017

lw

RECEIVED
7-19-17



Reviewed By *Lud*
JUL 20 2017

CITY OF BROKEN ARROW
INDUSTRIAL PRETREATMENT PROGRAM
24-HOUR NOTIFICATION FOR WASTEWATER
DISCHARGE PERMIT EXCURSIONS

FACSIMILE OR EMAIL TRANSMITTAL SHEET

TO:
Industrial Pretreatment Coordinator

FROM:

PACCAR Winch
BROKEN ARROW

COMPANY:
City of Broken Arrow/Industrial Pretreatment Program

DATE:

7-20-17

FAX NUMBER/EMAIL:
(918) 455-4172/twilson@brokenarrowok.gov

TOTAL NO. OF PAGES INCLUDING COVER:

1

PHONE NUMBER:
(918) 455-4762

SENDER'S PERMIT NUMBER:

BA 008

EMAIL:
twilson@brokenarrowok.gov

RE:

☒ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Description of event: GRAB OF 2 TANKS (#1 & #2) ON 7-7-17
SHOW EXCESS COPPER & ZINC. RESULTS OF TEST RECEIVED
ON 18th.

Duration of event: ONE DAY

Date/Time of event: 7-7-17

Impact on compliance: RETESTING REQUIRED

Suspected Cause: 1) TANK #1 CARRYOVER TO TANK #2 w/
EXCESSIVE CONTAMINATION
2) GRAB TANK DOES NOT DRAIN PROPERLY
ALLOWING SEDIMENT TO GATHER IN BOTTOM

Prevention: 1) PUMP & HAUL OFF TANK #1 ON SHORTER INTERVALS
2) MODIFY GRAB TANK TO BOTTOM DRAIN
& ELIMINATE BUILDUP

Metal Finisher SNC Calculation Sheet
PACCAR Winch

Sample Date: 7/7/2017 Rolling Qtr: Apr - Sep

Parameter	4/12/2017		7/7/2017		7/24/2017		7/26/2017	
	Included in Daily TRC/Chronic Calculations	Daily Result (mg/L)	Daily TRC (mg/L)	Daily Result (mg/L)	Daily TRC (mg/L)	Daily Result (mg/L)	Daily TRC (mg/L)	Daily Result (mg/L)
Arsenic								
Cadmium								
Chromium								
Copper		0.0873	0.0873	5.36	5.36	3.16	3.16	0.119
Cyanide								
Lead								
Molybdenum								
Mercury								
Nickel								
Selenium								
Silver								
Zinc								

				How many Daily Results are being calculated?	How many Daily Results are above the limit?	How many Daily TRCs are above the limit?	Percentage of TRC Violations (above 33% is a violation)	Percentage of Daily Result Violations? (above 66% is a Chronic violation)	Significantly Non-Compliant? (A percentage violation in either column)
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7/23/2017				17	2	1	20.00%	20.00%	No
Daily Result (mg/L)				Monthly Ave TRC			#DIV/0!	#DIV/0!	
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							#DIV/0!	#DIV/0!	
0.012				2.16/75	2.16/75	5			
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Friday, July 21, 2017

Larry Hopper
General Manager
Russelectric
1215 East Houston Street
Broken Arrow, OK 74012

Re: NOTICE OF VIOLATION OF CITY OF BROKEN ARROW WASTEWATER DISCHARGE PERMIT # BA 003

Dear Mr. Hopper,

Enclosed is a notice of violation (NOV) of Wastewater Discharge Permit # BA 003 for Russelectric. The quarterly compliance monitoring report that was submitted to the Broken Arrow Pretreatment Office was 4 days late. Quarterly monitoring reports are due by the 15th of the month following the end of quarter. In this instance, the report was received incomplete on July 19th, and the missing information was submitted to the pretreatment office on the 20th. It is very important that reports are submitted on or before the due date. Reports that are even 1 day late are a violation of wastewater discharge permit requirements as well as state and federal law. As an example of the stringency, reports that are 30 days late make the permittee significantly non-compliant (SNC) for the quarter and are required to be published in the newspaper.

Each year, when the Department of Environmental Quality inspects the Broken Arrow files, they look at the dates that the monitoring reports were received from permit holders to ensure compliance with federal and state regulations. The City of Broken Arrow is obligated to enforce upon reporting violations, even if the report is just one day late. The City of Broken Arrow has attempted to make this requirement easier on Permittees by accepting electronic reporting. Please assist the City of Broken Arrow in ensuring compliance with state and federal pretreatment regulations by submitting the reports on-time. The quarterly sampling and reporting schedule for Russelectric is as follows:

Sampling Quarter	Compliance Report Due Date
January to March	April 15 th
April to June	July 15 th
July to September	October 15 th
October to December	January 15 th

Please sign the enclosed NOV and NOV Response forms and return them to the City of Broken Arrow Pretreatment Office within five days. Should you have any questions or concerns regarding this correspondence, do not hesitate to contact me at (918) 259-7000 ext. 7220.

CITY OF
BROKEN ARROW

Where opportunity lives



Sincerely,

Lauren Wilson

Lauren Wilson

Pretreatment Coordinator

City of Broken Arrow

P.O. Box 610

Broken Arrow, OK 74013

(918) 259-7000 ext. 7220 FAX: (918) 251-3383

lwilson@brokenarrowok.gov

cc: Anthony Daniel, Director of Utilities, City of Broken Arrow,
Barney Campbell, Assistant Director of Utilities, City of Broken Arrow

RECEIVED
7-26-17



BROKEN ARROW

Reviewed By

AUG 01 2017

LW

Utilities Department
Industrial Pretreatment Program

Notice of Violation

In accordance with § 24-506 of the Broken Arrow Code of Ordinances this instrument serves as a written notice of violation of the industrial wastewater discharge permit and/or requirements of federal, State or local regulations pertaining to wastewater discharge.

Discharger: Russelectric

Address of Discharge: 1215 East Houston Street, Broken Arrow, OK 74012

Permit#: BA 003 Date Notice Issued: 7/21/17

Control Authority Issuing Representative: THE CITY OF BROKEN ARROW

Date Violation occurred	In violation of	Nature of violation	Fine
7/19/17	Wastewater Discharge Permit # BA 003	Late compliance monitoring report	None. There were no reporting violations in previous 2-year period. The Broken Arrow enforcement response plan requires a NOV.

IMPORTANT: VIOLATION(S) MUST CEASE AND DESIST BY: IMMEDIATELY

Receipt of Notice Acknowledged by Discharger:

William Latimer William Latimer MAINTENANCE SUPERVISOR
*Authorized Signatory for Industrial Discharger (Print) Title

7/25/17 William Latimer
Date Signature
Barney Campbell 7/21/17
Barney Campbell, Assistant Director of Utilities Date

Within 5 days of the date of this notice, return the signed form with a written response identifying the suspected cause of the violation(s), the corrective measures taken to abate the violation(s), the date(s) of abatement, and measures to prevent recurrence to:

City of Broken Arrow
P.O. Box 610
Broken Arrow, OK 74013
Attn: Industrial Pretreatment Coordinator

RECEIVED
7-26-17

(phone) 918-259-7000 ext. 7220, (fax) 918-251-3383, (email) lwilson@brokenarrowok.gov. Fax or email may be used to meet the 5-day requirement. Original may be included with next monthly report.

Reviewed By
AUG 01 2017 LW

LATE COMPLIANCE MONITORING

INFORMED ALL PARTIES INVOLVED OF SUSPECTED VIOLATION
7/21/17

CORRECTIVE MEASURES ALERTS ON DIGITAL DEVICES, AND
MONTHLY PLANNER BOARD. SET UP 2 EMPLOYEES OTHER
THAN MYSELF TO ENSURE WATER DISCHARGE PERMIT
IS IN COMPLIANCE



BROKEN ARROW

Industrial User Response to Violation

Discharger: Russelectric

Address of Discharger: 1215 East Houston Street, Broken Arrow, OK 74012

Permit#: BA 003

Date Occurred	Nature of Violation	Suspected Cause	Corrective Measure(s)	Date of Abatement	Measure(s) to Prevent Recurrence
7/19/17	Late compliance monitoring report				

(Attach additional pages if necessary)

William Latimer MAINTENANCE SUPERVISOR
Authorized Signatory for Industrial Discharger (Print) Title

William Latimer 7/25/17
Signature Date

Following 24-hour notice, return this completed form within 5 days of becoming aware of the violation to:

City of Broken Arrow,
Post Office Box 610
Broken Arrow, OK 74012
Attn: Industrial Pretreatment Coordinator

PHONE: (918) 259-7000 ext. 7220, EMAIL: lwilson@brokenarrowok.gov

Email may be used to meet 5 day requirement. Original may be included with next monthly report.

RECEIVED
7-26-17

Reviewed By JW
AUG 01 2017

SECTION 4:

SIGNIFICANTLY NON-COMPLIANT INDUSTRIAL USERS

SIGNIFICANTLY NONCOMPLIANT USERS
Enforcement Actions Taken

INDUSTRIAL USER (ID) NAME AND ADDRESS	NATURE OF VIOLATION		Limits	NUMBER OF ACTIONS TAKEN				PENALTIES COLLECTED	CURRENT STATUS (C, NE, S, O)	COMPLIANCE SCHEDULE	
				NOV	AO	Conf	Criminal	Other		Date Issued	Completion Date
None											

Additional Notes:

SECTION 5:

**NEWSPAPER PUBLICATION OF SIGNIFICANTLY
NON-COMPLIANT INDUSTRIAL USERS**

No Industrial users in the City of Broken Arrow, Lynn Lane Wastewater Treatment Plant Basin were published in the newspaper for significant non-compliance for the October 2016 to September 2017 pretreatment year.

SECTION 6:

COMPLIANCE SCHEDULES

CITY OF BROKEN ARROW

UTILITY DIVISION

IN THE MATTER OF:)
BLUE BELL CREAMERIES, L.P.)
)
Respondent,)
)
PERMIT NO. BA 007)
PROBLEM: Part VI Operation and Maintenance:)
Recurring non-compliance with:)
Biochemical Oxygen Demand)
Total Suspended Solids)
Oil & Grease)
pH)

CONSENT ORDER

The parties to this case, the City of Broken Arrow (COBA) by and through the Publicly Owned Treatment Works (POTW) and Blue Bell Creameries, L.P. ("Respondent") agree to this Consent Order to resolve certain allegations of environmental compliance issues related to violation of a wastewater permit (BA#007) previously issued by COBA to Respondent.

FINDINGS OF FACT

1. Respondent owns and operates Blue Bell Creameries, L.P., a Delaware Foreign Limited Partnership. Respondent owns and operates a creamery for the purpose of manufacture and distribution of ice cream and dairy related products.
2. Respondent owns real property located at 8201 East Highway 51, within the City limits of Broken Arrow, OK.
3. COBA operates an Industrial Pretreatment Program as required by Oklahoma Pollutant Discharge Elimination System (OPDES) No. 0040053 and COBA Ordinance. Respondent is classified as a Significant Industrial User (SIU) and has been issued a wastewater permit (No. BA007) as part of the Industrial Pretreatment Program.
4. Permit No. BA007 requires that wastewater discharge samples be taken from the effluent leaving the Respondent's facility four (4) times per month.

5. The effluent is analyzed and screened for pH, temperature, biological oxygen demand (BOD), total suspended solids (TSS) and oil/grease discharge.
6. A review of City of Broken Arrow records indicates that the respondent has violated permit no. BA007 a total of 62 times since March 13, 2013.

Blue Bell Permit Violation Chart		
Date	Location	Violation
3/13/2013	Blue Bell	pH 4.7
4/16/2013	Blue Bell	Spill no amount specified
6/4/2013	Blue Bell	pH 4.47
5/17/13	Blue Bell	Oil & Grease monthly average 651 mg/L
7/10/2013	Blue Bell	BOD daily maximum 2219.26 lbs.
7/12/2013	Blue Bell	BOD monthly average 1776.91 lbs.
7/12/13	Blue Bell	Oil & Grease monthly average 1640.10 mg/L
8/20/2013	Blue Bell	BOD daily maximum 4988.19 lbs.
8/23/2013	Blue Bell	BOD daily maximum 4936.69 lbs.
8/23/2013	Blue Bell	BOD monthly average 2891.39 lbs.
8/23/2013	Blue Bell	TSS daily maximum 3472.61 lbs.
8/27/2013	Blue Bell	Spill 50 gal ice cream mix
10/8/2013	Blue Bell	BOD daily maximum 2201.86 lbs.
10/10/2013	Blue Bell	BOD daily maximum 2172.27 lbs.
11/8/13	Blue Bell	Oil & Grease monthly average 920.38 mg/L
2/21/2014	Blue Bell	pH 2.32
4/23/2014	Blue Bell	BOD daily maximum 4031.73 lbs.
4/25/2014	Blue Bell	BOD monthly average 1799.34 lbs.
6/17/2014	Blue Bell	TSS daily maximum 5768.89 lbs.
6/18/2014	Blue Bell	TSS daily maximum 3387.47 lbs.
6/20/2014	Blue Bell	TSS monthly average 2543.79
6/20/2014	Blue Bell	BOD daily maximum 3081.83 lbs.
7/15/2014	Blue Bell	BOD daily maximum 2054.28 lbs.
7/15/2014	Blue Bell	TSS daily maximum 5200.30 lbs.
7/15/2014	Blue Bell	pH 3.92

9/16/2014	Blue Bell	BOD daily maximum 3631.01 lbs.
1/20/2015	Blue Bell	BOD daily maximum 2098.69 lbs.
1/20/2015	Blue Bell	TSS daily maximum 4310.82 lbs.
1/21/2015	Blue Bell	BOD daily maximum 2577.67 lbs.
5/28/2015	Blue Bell	pH 4.15
7/21/2015	Blue Bell	pH 2.75
9/16/2015	Blue Bell	BOD daily maximum 2772.15 lbs.
9/17/2015	Blue Bell	BOD daily maximum 5394.11 lbs.
9/17/2015	Blue Bell	TSS daily maximum 6695.71 lbs.
9/18/2015	Blue Bell	BOD daily maximum 2834.72
9/18/2015	Blue Bell	TSS daily maximum 4342.82 lbs.
9/18/2015	Blue Bell	BOD monthly average 3228.96 lbs.
9/23/2015	Lynn Lane Wastewater Plant	Dairy Slug
10/6/2015	Blue Bell	TSS daily maximum 15234.19 lbs.
11/18/2015	Lynn Lane Wastewater Plant	Dairy Slug
11/25/2015	Lynn Lane Wastewater Plant	Dairy Slug
12/8/2015	Lynn Lane Wastewater Plant	Dairy Slug
12/15/2015	Blue Bell	BOD daily maximum 8422.29 lbs.
12/15/2015	Blue Bell	TSS daily maximum 5702.11 lbs.
12/18/2015	Blue Bell	Oil & Grease monthly average 829.55 mg/L
12/16/2015	Lynn Lane Wastewater Plant	Dairy Slug
12/16/2015	Blue Bell	BOD daily maximum 2093.89 lbs.
12/18/2015	Blue Bell	BOD daily maximum 2907.14 lbs.
12/18/2015	Blue Bell	BOD monthly average 3564.28 lbs.
12/24/2015	Blue Bell	Spill 400 gallons ice cream mix
1/4/2016	Blue Bell	Spill 4,000 gallons of raw milk
1/20/2016	Blue Bell	BOD daily maximum 2998.85 lbs.
1/22/2016	Blue Bell	BOD daily maximum 1999.23 lbs.
1/26/2016	Blue Bell	Spill 300 gallons ice cream mix
2/5/2016	Lynn Lane Wastewater Plant	Dairy Slug
2/9/2016	Blue Bell	BOD daily maximum 2487.42 lbs.
2/10/2016	Blue Bell	BOD daily maximum 2011.88 lbs.
4/20/2016	Blue Bell	BOD daily maximum 2009.85 lbs.
4/28/2016	Blue Bell	Spill 1200 gallons of milk
6/21/2016	Blue Bell	BOD daily maximum 4102.52 lbs.

6/22/2016	Blue Bell	BOD daily maximum 2352.01 lbs.
6/24/2016	Blue Bell	BOD monthly average 1748.62 lbs.

7. To date, Blue Bell has accumulated surcharges in the amount of \$341,605.59 for BOD, TSS and Oil & Grease above residential thresholds, since reopening for production in August 2015. Surcharges shall continue to accumulate for the duration of this order.
8. COBA staff met with Respondent on June 21, 2016, at the COBA Operations Building, to discuss Blue Bell wastewater discharge permit requirements; recurring violations; enforcement response; unpaid surcharges; spills that resulted in slug loadings to the wastewater treatment plant; and Blue Bell's plan to renew compliance.
9. Based upon the historical data presented it was agreed, by both COBA and Blue Bell staff, that equalization or pretreatment before discharge into POTW may be necessary in order to meet Broken Arrow discharge permit no. BA007 limits.
10. As a result of the foregoing the parties agreed upon a Consent Order setting forth remedies required by COBA.
11. It is agreed by Respondent that failure to comply with City Ordinances and or rules may result in harm to the environment or health and well-being of the affected public. Failure to comply with the wastewater permit and the City Ordinances allows wastewater in COBA system to be in excess of what is permitted, which could result in severe harm and damage to POTW.
12. Respondent and COBA agree that it is beneficial to resolve this matter promptly by agreement.
13. Respondent and COBA agree to wave the filing of a petition or any other pleading and Respondent waives the right to have a hearing or to contest this Consent Order.

CONCLUSIONS OF LAW

14. COBA has regulatory jurisdiction and authority in this matter and Respondent is subject to the jurisdiction and authority of COBA under Article V § 24-500-517 of the COBA Ordinances.

15. Respondent and COBA are authorized under Article V § 24-514(b) to resolve this matter by agreement pursuant to a "Consent Order."

16. By exceeding the amounts allowed under the wastewater permit, COBA alleges the Respondent violated the following sections:

§ 24-501(a) No Industrial user shall introduce or cause to be introduced into POTW any pollutant or wastewater which causes pass through or interference. These general prohibitions apply to all industrial users of POTW whether or not they are subject to categorical pretreatment standards or any other national, state or local pretreatment standards or requirements. Furthermore, no industrial user may contribute the following substances to POTW:

- (2) Any industrial wastewater having a pH of less than 5.0 standard units, or otherwise causing corrosive structural damage to the POTW or equipment, or endangering city personnel.
- (4) Any wastewater containing pollutants, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with either POTW, or any wastewater treatment or sludge process, or which will constitute a hazard to humans or animals.
- (6) Free or emulsified oil and grease exceeding on analysis a monthly average of 500 milligrams per liter, either singly or in combination; or oil and grease discharge above 834 pounds of oil and grease per million gallons of discharge.
- (10) Any substance which singly or by interaction with other waste, is capable of:
 - a. Forming solids in concentrations exceeding limits established herein.

- b. Creating a condition deleterious to structures or treatment processes.
 - c. Requiring unusual facilities, attention or expense to handle.
- (16) Any wastewater or wastes which contain materials which exert or cause:
- a. Unusual concentrations of solids or composition, such as total suspended solids of inert nature and/or total dissolved solids.
 - b. Unusual biochemical oxygen demand or an immediate oxygen demand.

ORDER

17. Based upon the above paragraphs, Respondent and COBA agree, and it is hereby ordered that the Respondent will complete the following tasks by the dates specified below:

Task	Due Date
A. Hire a professional engineer licensed, or with license pending, to practice in the State of Oklahoma and experienced in the design and construction of wastewater facilities. Document completion of this task by submitting COBA evidence of the agreement between the Respondent and the engineer.	February 6, 2017
B. Evaluate Respondent's process wastewater discharge by performing a wastewater characterization study. Explore possible causes of recurring permit violations; including: permit limit exceedances, spills, and slug loadings to the Lynn Lane Wastewater Treatment Plant that are identified in "Finding of Fact". Determine the required upgrades to the Blue Bell Facility that will eliminate recurring permit non-compliance. The proposed system modifications	February 6, 2017

will include a continuous pH monitoring device with chart recorder for process control by Blue Bell. Submit to COBA a detailed report of findings in the form of a Preliminary Engineering Report for review and comment. City will comment and return PER within 2 weeks.

- C. Submit an approvable engineering report to COBA. March 6, 2017
Include wastewater characterization study results and the proposed upgrades to the Blue Bell Facility with expenditures totaling at least \$341,605.59. Surcharges will continue to accumulate for the duration of this Order without COBA requesting payment.
- D. Begin Construction of facility upgrades. Document January 8, 2018
completion of this task by submitting to COBA written notification of award of construction contract.
- E. Complete construction and begin operation of January 7, 2019
Blue Bell facility upgrades. Document completion of this task by submitting COBA written notification.
- F. Submit to COBA a compliance report from the September 2, 2019
first six months of operation following start-up of facility upgrades. Report should include: documented spills at the Blue Bell Facility, permit limit exceedances, and pH monitoring data.

- 18. The proposed upgrades to the Blue Bell facility will be designed and constructed to provide for compliance with the limits and requirements contained in Permit No. BA007 issued November 4, 2012. The continuous pH monitoring system installed as part of the upgrades is intended for Blue Bell monitoring and process control purposes.
- 19. Broken Arrow Ordinance Article V § 24-515 (c)(1) authorizes COBA to seek penalties of up to \$1,000.00 per violation per day. Based upon the facts and circumstances of this case, COBA assesses a total penalty of \$10,000.00. In addition to the penalty, Respondent owes \$341,605.59 in surcharges to COBA for wastewater strengths above

residential thresholds. COBA is willing to waive the current amount of surcharges owed, and additional surcharges accumulated, upon construction of a facility upgrade in an amount that is equal or greater to the total amount of surcharges accumulated. The construction and operation of a facility upgrade shall establish compliance with permit no. BA 007 and shall meet the conditions of this consent order. Penalty and surcharges shall be paid as follows: Respondent agrees to pay the amount of five thousand dollars (\$5,000.00) to COBA, due immediately upon signature of this Consent Order. After initial payment, Respondent agrees to pay the remainder of penalty in five (5) equal payments of one thousand dollars (\$1,000.00). Payments will correspond with tasks A-E above. The first payment will be due by February 13, 2017; the second payment will be due by February 27, 2017; the third payment will be due by March 6, 2017; the fourth payment will be due by January 8, 2018; and the final payment will be due by January 7, 2019. Payment shall be by check or money order payable to Broken Arrow Municipal Authority (BAMA), showing the Case Number of this Consent Order, and delivered to:

Finance Department
City of Broken Arrow
P.O. Box 610
Broken Arrow, OK 74013

20. Respondent agrees that expenditures reasonably associated with design and construction of the facility upgrades shall be at least \$341,605.59. Expenditure of any amount less than \$341,605.59 shall make the remaining amount immediately due to COBA.
21. If upgrades made by Blue Bell Creameries, L.P. fail to result in compliance with previously issued permit no. BA 007 by September 2, 2019, \$341,605.59 and all subsequently accumulated surcharges will immediately become due to COBA.
22. If Respondent fails to complete any of the task(s) set forth in this Consent Order, by the specified due date(s), the stipulated penalty for each incomplete task shall be the maximum sum per day of one thousand dollars (\$1,000.00) per violation.
23. The stipulated penalties for failing to complete the specified task(s) by the corresponding due date(s) shall begin to accrue on the day performance is due as indicated in this Consent Order.
24. If COBA notifies Respondent that Respondent is not in compliance with this Consent Order and that a penalty is being assessed, Respondent may request a hearing to contest

the finding of non-compliance. The notification from COBA will specify how to request a hearing.

25. If Respondent fails to pay any penalty or surcharge as assessed herein, COBA may bring a separate action for collection of the penalty or surcharge in Tulsa County District Court. An action by COBA for the collection of a penalty or surcharge does not affect Respondent's duty to complete the tasks required by this Consent Order.

GENERAL PROVISIONS

26. As used in this Consent Order, an "approvable" submission to COBA is to be considered a final submission. That is, all preliminary discussions between COBA and Respondent regarding the requirements of a submission must be concluded prior to the date the submission is due so that the submission will be approvable as submitted. If the submission is not submitted in an approvable form by its due date, the submission will be considered late and Respondent will be subject to the stipulated penalties described in this Consent Order.
27. Respondent agrees to perform the requirements of this Consent Order within the time frames specified unless performance is prevented or delayed by events which are a "force majeure." For purposes of this Consent Order, a force majeure event is defined as any event arising from causes beyond the reasonable control of Respondent or Respondent's contractors, subcontractors or laboratories which delays or prevents the performance of any obligation under this Consent Order. Examples are vandalism; fire; flood; labor disputes or strikes; weather conditions which prevent or seriously impair construction activities; civil disorder or unrest; and "acts of God." Force majeure events do not include increased costs of performance of the tasks agreed to in this Consent Order, or changed economic circumstances. Respondent must notify COBA in writing within fifteen (15) days after Respondent knows or should have known of a force majeure event that is expected to cause a delay in achieving compliance with any requirement of this Consent Order. Failure to submit notification within fifteen (15) days waives the right to claim a force majeure.
28. Respondent and COBA may amend this Consent Order by mutual consent. Such amendments must be formal, and in writing and the effective date of the amendments will

- be the date on which they are filed by COBA. Any amendment to this Consent Order may require the payment of an administrative penalty of \$1000 per amendment.
29. Upon their approval by COBA, any final reports, plans, specifications, schedules and attachments required under this Consent Order are incorporated into it and enforceable under it. Failure to respond within a reasonable time to any errors, deficiencies or other regulatory requirements identified by COBA is a violation of this Consent Order.
30. No informal written or verbal communication regarding reports, plans, specifications, schedules, and other writings affect Respondent's obligation to formally submit progress reports/obtain written approval by COBA, when required by this Consent Order.
31. Respondent agrees to allow agents of COBA entry onto Respondent's property, at reasonable times and without advance notice, for the purposes of inspecting, sampling, testing, records review and other authorized activities to assess compliance with Oklahoma statutes and rules and this Consent Order. If Respondent is required to sample or test, Respondent agrees to give COBA reasonable notice of the sampling or testing date and time and allow COBA to observe and/or split-sample.
32. Unless otherwise specified, any report, notice or other communication required under this Consent Order must be in writing and must be sent to:

For COBA:

Michael Spurgeon, City Manager
City of Broken Arrow
P.O. Box 610
Broken Arrow, Oklahoma 74013-0610

For Respondent:

Marty Kilgore, General Manager
Blue Bell Creameries, L.P.
8201 East Highway 51
Broken Arrow, OK 74014

33. This Consent Order is enforceable as a final order of COBA. COBA retains jurisdiction of this matter for the purposes of interpreting, implementing and enforcing the terms and conditions of this Consent Order and for the purpose of resolving disputes.

34. Nothing in this Consent Order limits COBA's right to take enforcement action for violations discovered or occurring after the effective date of this Consent Order.
35. Nothing in this Consent Order shall excuse Respondent from its obligation to comply with all applicable federal, state and local statutes, rules and ordinances. Respondent and COBA agree that the provisions of this Consent Order are considered severable, and if a court of competent jurisdiction finds any provisions to be unenforceable because they are inconsistent with state or federal law, the remaining provisions will remain in full effect.
36. The provisions of this Consent Order apply to and bind Respondent and COBA and their officers, officials, directors, employees, agents, successors and assigns. No change in the ownership or corporate status of Respondent will affect Respondent's responsibilities under this Consent Order.
37. Compliance with the terms and conditions of this Consent Order fully satisfies Respondent's liability to COBA for all allegations of noncompliance in this Consent Order. If Respondent satisfies the requirements of this Consent Order, COBA will not pursue any other remedy, sanction or relief that might otherwise be available to address the allegations of noncompliance in this Consent Order. Nothing in this Consent Order shall be deemed to satisfy Respondent's liability, if any, for actions or remedies not within the scope of authority of COBA.
38. This Consent Order is for the purpose of settlement. Neither the fact that Respondent and COBA have agreed to this Consent Order, nor the Findings of Fact and Conclusions of Law in it, shall be used for any purpose in any proceeding except the enforcement by Respondent and COBA of this Consent Order and, if applicable, a future determination by COBA of eligibility for licensing or permitting. As to others who are not parties to this Consent Order, nothing contained in this Consent Order is an admission of Respondent of the Findings of Fact or Conclusions of Law, and this Consent Order is not an admission by Respondent of liability for conditions at or near the Facility and is not a waiver of any right, cause of action or defense to which Respondent is otherwise entitled.
39. Respondent and COBA agree that the venue of any action in district court for the purposes of interpreting, implementing and enforcing this Consent Order will be Tulsa County, Oklahoma.

40. The requirements of this Consent Order will be considered satisfied and this Consent Order terminated when Respondent receives written notice from COBA that Respondent has demonstrated that all the terms of the Consent Order have been completed to the satisfaction of COBA, and that any assessed penalty has been paid.
41. The individuals signing this Consent Order certify that they are authorized to sign it and legally bind the parties they represent.
42. This Consent Order becomes effective on the date of the later of the two signatures below.

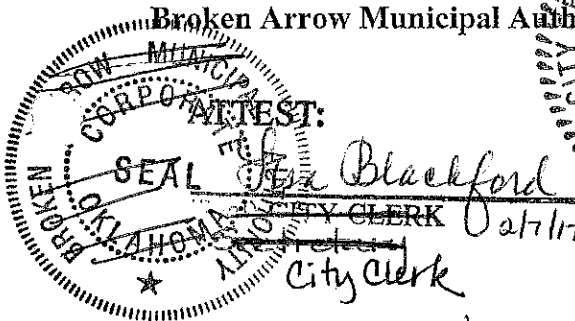
Dated this 23 day of January, 2017.

CITY OF BROKEN ARROW:

BLUE BELL CREAMERIES, L.P.:

Craig Thum
Chairman
Broken Arrow Municipal Authority

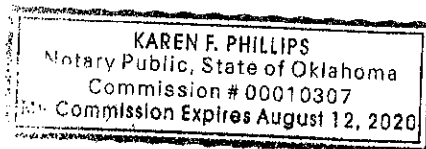
Marty Kilgore
Marty Kilgore



State of Oklahoma
County of Tulsa
Marty Kilgore signed before
me on January 23, 2017

Karen F. Phillips
Notary

January 23, 2017
Date





G R E S H A M
S M I T H A N D
P A R T N E R S

November 16, 2016

Mr. Anthony Daniel
Director of Utilities
City of Broken Arrow
P.O. Box 610
Broken Arrow, OK 74013

Subject: Broken Arrow WW Pretreatment System
Broken Arrow, OK
GS&P Project No. 42334.00

Dear Mr. Daniel:

Gresham, Smith and Partners has been contracted to evaluate options and develop preliminary design documentation for wastewater system modifications that will allow the wastewater system at Blue Bell's Broken Arrow facility to meet the effluent requirements in the plant discharge permit. Gresham, Smith and Partners' current scope of work includes data collection and evaluation of the existing system and preparing draft and final Preliminary Engineering report documents. Randy Booker of Gresham, Smith and Partners will be the Engineer of Record for this project and is a licensed professional engineer in the State of Oklahoma (License #29130). Randy has over 18 years of experience in environmental engineering, including the design of plant wastewater treatment systems and wastewater facilities.

Please let me know if you need additional information.

Sincerely,

Gresham, Smith and Partners

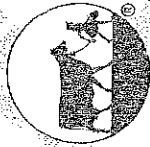
Jennifer Carr
Principal in Charge

JC:cjd

Design Services For The Built Environment

1400 Nashville City Center / 511 Union Street / Nashville, Tennessee 37219-1733 / Phone 615.770.8100 / www.greshamsmith.com

THE FACE OF THIS DOCUMENT CONTAINS SECURITY PRINTING



Blue Bell Creameries, P.
P.O. BOX 1807 / BRENHAM, TEXAS 77834-1807

CHASE
Port Arthur, Texas Office

2028080

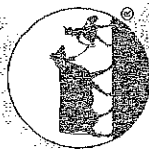
DATE	CHECK NUMBER	NET AMOUNT
Mar 9, 2017	2028080	\$ 1,000.00

One Thousand Dollars And Zero Cents*****

CITY OF BROKEN ARROW
P O BOX 610
BROKEN ARROW, OK 74013-0610

Paul K...
David L...

⑈ 2028080⑈ ⑆ 111300880⑆ ⑈ 0580008761⑈



Blue Bell Creameries, L.P.
P.O. BOX 1807 / BRENHAM, TEXAS 77834-1807

CHASE
Port Arthur, Texas Office

2028081

One Thousand Dollars And Zero Cents*****

CITY OF BROKEN ARROW
P O BOX 610
BROKEN ARROW, OK 74013-0610

DATE	CHECK NUMBER	NET AMOUNT
Mar 9, 2017	2028081	\$ 1,000.00

Paul Kume
David L. Kume

⑈ 2028081 ⑈ ⑆ 1 1 300880 ⑆ ⑈ 0580008761 ⑈



Blue Bell Creameries, L.P.
P.O. BOX 1807 / BRENHAM, TEXAS 77834-1807

CHASE
Port Arthur, Texas Office

2028079

One Thousand Dollars And Zero Cents*****

CITY OF BROKEN ARROW
P O BOX 610
BROKEN ARROW, OK 74013-0610

DATE	CHECK NUMBER	NET AMOUNT
Mar 9, 2017	2028079	\$ 1,000.00

Paul K...
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2023022



Blue Bell Creameries, L.P.

P.O. BOX 1807 / BRENHAM, TEXAS 77834-1807

CHASE
Port Arthur, Texas Office

DATE	CHECK NUMBER	NET AMOUNT
Jan 9, 2017	2023022	\$ 5,000.00

Five Thousand Dollars And Zero Cents*****

CITY OF BROKEN ARROW
P O BOX 610
BROKEN ARROW, OK 74013-0610

Paul Kene
Samuel Jones

⑈ 2023022⑈ ⑆ 111300880⑆ ⑈ 0580008761⑈

SECTION 7:

LYNN LANE WASTEWATER TREATMENT PLANT

**WATER QUALITY BASED EFFLUENT
CONCENTRATIONS**

POTW MONITORING RESULTS SUMMARY TABLE

October 1, 2016 to September 30, 2017

The City of Broken Arrow- Lynn Lane WWTP

TABLE III: METALS CYANIDE PHENOLS + Molybdenum	MQL (mg/l)	MDL Used (mg/l)	INFLUENT (mg/l)				EFFLUENT (mg/l)				OKLIMIT (mg/l)	MAHL (TBLL) LB/DAY	HEADWORK LOADING FOR THE REPORTING PERIOD, LB/DAY						% of MAHL
			Sample Dates				Sample Dates						Sample Dates						
12/6/16	3/27/17	6/27/17	9/26/17	12/7/16	3/28/17	6/28/17	9/27/17	12/6/16	3/27/17	6/27/17	9/26/17	12/6/16	3/27/17	6/27/17	9/26/17	Average			
Flow, mgd			3.536	3.759	3.535	3.408	2.900	3.301	3.331	3.139			3.536	3.759	3.535	3.408			
Antimony	0.06	0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	N/A	N/A	0.147	0.157	0.314	0.142	0.149	N/A
Arsenic	0.01	0.005	< 0.005	< 0.005	< 0.005	< 0.01	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	2.454	5.42	0.074	0.078	0.157	0.142	0.098	1.8%
Beryllium	0.005	0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.005	< 0.01	< 0.005	< 0.005	N/A	N/A	0.147	0.157	0.314	0.071	0.125	N/A
Cadmium	0.001	0.001	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0979	6	0.015	0.016	0.031	0.014	0.015	0.2%
Chromium	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	2.025	54.21	0.147	0.157	0.314	0.142	0.149	0.3%
Copper	0.01	0.01	0.099	0.103	0.147	0.105	0.0125	0.0195	0.0117	< 0.01	< 0.01	0.3242	19.57	2.920	3.229	4.608	2.984	3.044	15.6%
Lead	0.005	0.005	< 0.005	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.439	5.42	0.074	0.078	0.157	0.071	0.074	1.4%
Mercury	0.0002	0.0002	< 0.00010	< 0.00010	< 0.00010	0.00011	< 0.0001	< 0.00010	< 0.0001	< 0.0001	< 0.0001	0.0164	0.229	0.001	0.002	0.003	0.003	0.002	0.9%
Molybdenum	0.03	0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	N/A	N/A	0.147	0.157	0.314	0.142	0.149	N/A
Nickel	0.04	0.01	< 0.01	< 0.01	< 0.01	0.00517	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	14.421	54.21	0.147	0.157	0.314	0.147	0.150	0.3%
Selenium	0.005	0.005	< 0.005	< 0.00500	< 0.005	< 0.005	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.005	0.136	N/A	0.074	0.078	0.157	0.071	0.074	N/A
Silver	0.002	0.001	< 0.00200	< 0.00200	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.145	13.55	0.029	0.031	0.063	0.028	0.030	0.2%
Thallium	0.01	0.001	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	6.768	N/A	0.147	0.157	0.314	0.142	0.149	N/A
Zinc	0.02	0.01	0.11	0.14400	0.194	0.139	0.0418	0.031	0.0291	0.0373	1.804	16.26	3.244	4.514	6.082	3.951	3.903	24.0%	
Cyanide	0.01	0.01	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	0.3131	5.42	0.088	0.094	0.188	0.085	0.089	1.6%
Total Phenols	0.01	0.0100	< 0.0102	< 0.103	0.148	0.178	< 0.01	< 0.0101	0.056	< 0.025	< 0.025	N/A	N/A	0.150	1.615	4.640	5.059	2.275	N/A
OTHER POLLUTANTS DETECTED (TABLE II)	MQL (ug/l)	MDL (ug/l)	INFLUENT (ug/l)				EFFLUENT (ug/l)				OKLIMIT (ug/l)	MAHL (TBLL) LB/DAY	HEADWORK LOADING FOR THE REPORTING PERIOD, LB/DAY						% of MAHL
			Sample Dates				Sample Dates												
12/6/16	3/27/17	6/27/17	9/26/17	12/7/16	3/28/17	6/28/17	9/27/17	12/6/16	3/27/17	6/27/17	9/26/17	Average							
NONE																		0.000	#DIV/0!

Note:

Note:

Note:

BDL

MDL

FPA Region 6 Minimum Quantification Level (Analytical MDL should meet this criteria so that data can be used for local limit assessments and OPDES application data)

Note: Influent and effluent samples should be collected considering flow detection time through the POTW

Note: Results that are below detection levels have been calculated at 1/2 the value

Note: Table II Parameters are only shown when above MDL

Note: Not detected above MDL

MDL Method Detection Limit

MQL EPA Region 6 Minimum Quantification Level (Analytical MDL should meet this criteria so that data can be used for Local Limit assessments and OPDES application data)