



CITY OF
BROKEN ARROW

Where opportunity lives

Utilities Department
Post Office Box 610
Broken Arrow, Oklahoma 74013

To: Rick Hudson, Chairperson, Regional Metropolitan Utility Authority

From: Lauren Wilson, Pretreatment Coordinator, City of Broken Arrow

Date: Friday, May 26, 2017

Subject: March to May 2017 RMUA Quarterly Pretreatment Report

Dear Mr. Hudson,

The following is a brief synopsis of the major activities of the Broken Arrow Industrial Pretreatment Program for March to May 2017. This update is in regards to pretreatment issues and industrial wastewater discharges pertaining to the R.M.U.A.'s Haikey Creek WWTP.

One Broken Arrow significant industrial user (SIU) in the Haikey Creek Wastewater Treatment Plant basin is currently out of compliance with City of Broken Arrow pretreatment regulations, as listed in the Broken Arrow discharge permits and municipal code.

Broken Arrow Powder Coating submitted their compliance monitoring report for the April-June quarter on May 17, 2017. The report showed a zinc result of 5.73 mg/L, which is 1.19 times over the daily limit of 2.61 mg/L. The City of Broken Arrow enforcement response plan calls for a notice of violation, which was issued on May 22nd. Broken Arrow Powder Coating has been asked to perform 3 additional samples in the last week of May to ensure compliance. Two of the lab reports are not available yet. Please see the related documentation included at the end of this report as attachment A.

March 2017

Fats, Oil & Grease (FOG) Program:

1. City of Broken Arrow pretreatment staff inspected 48 food handling establishments (FHE) in the month of March. Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices. FHEs with improperly-maintained interceptors have been asked to perform maintenance immediately. Re-checks are done for non-compliance issues.
2. Staff have been going door to door in neighborhoods that have experienced grease-related sanitary sewer overflows to hand out pollution prevention bags. The bags consist of a letter notifying the resident of the problem in their neighborhood, a gallon sized bottle for collecting cooking oil, recycling instructions, and FOG pollution prevention brochures. Around 300 homes were visited in March.
3. Staff make bi-weekly stops at the Reasor's cooking oil recycle station to clean the screen and pick up any bottles that have been left behind. This will ensure that residents can use the station.

Industrial Pretreatment Activities:

1. City of Broken Arrow wastewater discharge permits require the permit holder to perform scheduled (either semi-annual, quarterly or monthly) self-monitoring for specific contaminants and report the analytical results to the City by the 15th of the following month. The following reports/certifications were received and reviewed in the month of March:
 - CSI Aerospace compliance monitoring report and laboratory analysis. No deficiencies were noted.
 - Unifirst compliance monitoring report and laboratory analysis. No deficiencies were noted.

**Surcharges for bio-chemical oxygen demand (BOD), total suspended solids (TSS), and oil & grease above residential thresholds were issued to Unifirst as a result of laboratory analysis in the amount of \$4,722.55.*
2. City pretreatment staff inspected 16 industrial sewer users in the month of March as a part of the 5-year, comprehensive survey that is required by DEQ. The purpose of the survey is to determine compliance with the sewer use/pretreatment requirements that are outlined in Chapter 24, Article V of the Broken Arrow Municipal Code. Staff is looking at industrial processes that have waste streams to determine if a permit is necessary, and focusing on chemical storage as well as hazardous/waste disposal manifests. The information gathered will go into the industrial user database.
3. The Oklahoma Pollutant Discharge Elimination System (OPDES) permit for Haikey Creek requires quarterly laboratory analysis to be performed at the influent and effluent of the plant for priority pollutants. The analysis was performed in March with no deficiencies noted.
4. Two car washes were inspected in the month of March. Staff is looking for maintenance manifests for sand interceptors and oil/water separators. "No Dumping" signs are being distributed to self-service facilities asking the public not to dump motor oil or chemicals into car wash bays.
5. Staff attended the quarterly Oklahoma DEQ Pretreatment Coordinator's meeting in Lawton.

April 2017

Fats, Oil & Grease (FOG) Program:

1. City of Broken Arrow pretreatment staff inspected 48 food handling establishments (FHE) in the month of April. Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices. FHEs with improperly-maintained interceptors have been asked to perform maintenance immediately. Re-checks are done for non-compliance issues.
2. Staff distributed FOG pollution prevention bags to 240 residents in the month of April.
3. Broken Arrow pretreatment staff were asked to participate in a series of FOG seminars hosted by DEQ. The seminars are meant to assist smaller communities in developing procedures to control FOG discharges in their areas. The first seminar was on April 27th at the Great Plains Technology Center in Lawton. Broken Arrow staff presented the steps that went into starting Broken Arrow's program such as; an initial survey, database development, paper file system, GI maintenance inspection form, best management practice development and SSO tracking procedures.

Industrial Pretreatment Activities:

1. The following compliance monitoring reports/certifications were received and reviewed in the month of April:
 - Unifirst compliance monitoring report and laboratory analysis. No deficiencies were noted.

**Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds were issued to Unifirst as a result of laboratory analysis in the amount of \$4,983.33.*
 - Seneca Environmental submitted laboratory analysis for Kum & Go 81st & Garnett. The report was for ground water pumped out of the underground storage tank. The analysis was reviewed with no deficiencies noted and discharge was approved.
2. Staff met with Baker Hughes Environmental Health and Safety Coordinator to assist him with filling out the wastewater permit application they requested. Baker Hughes would like to begin discharging process wastewater from their non-destructive testing line. More detail will be provided after the application is received.
3. City pretreatment staff inspected 7 industrial sewer users in the month of April. Staff is looking at industrial processes that have waste streams to determine if a permit is necessary, and focusing on chemical storage as well as hazardous/waste disposal manifests.

May 2017:

Fats, Oil & Grease (FOG) Program:

1. City pretreatment staff inspected 86 food handling establishments (FHEs) in the month of May. Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices. FHEs with improperly-maintained interceptors have been asked to perform maintenance immediately. Re-checks are done for non-compliance issues.
2. Staff distributed FOG pollution prevention bags to 120 residents in the month of May.
3. Broken Arrow pretreatment staff participated in the 2nd DEQ FOG seminar on May 25th in Shawnee. Broken Arrow staff presented the steps that went into starting Broken Arrow's program such as; an initial survey, database development, paper file system, GI maintenance inspection form, best management practice development and SSO tracking procedures.

Industrial Pretreatment Activities:

1. The following compliance monitoring reports/certifications were received and reviewed in the month of May:
 - Broken Arrow Powder Coating compliance monitoring report and laboratory analysis. A zinc violation was recorded for 5/5/17. A notice of violation was issued on 5/22/17. Broken Arrow Powder Coating was asked to re-sample 3 times in the month of May to ensure compliance. Only

one of the re-sample laboratory reports is currently available. Documentation is included as attachment A.

- Unifirst compliance monitoring report and laboratory analysis. No deficiencies were noted.

**Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds were issued to Unifirst as a result of laboratory analysis in the amount of \$4,464.47.*

2. City pretreatment staff inspected 14 industrial sewer users in the month of May. Staff is looking at industrial processes that have waste streams to determine if a permit is necessary, and focusing on chemical storage as well as hazardous/waste disposal manifests.

This concludes my report. Thank you for your continued support of the City of Broken Arrow/RMUA industrial pretreatment program. Should you have any questions or concerns please do not hesitate to contact me at the Broken Arrow pretreatment office.

Sincerely,

A handwritten signature in black ink that reads "Lauren Wilson". The script is cursive and fluid, with the first letters of each name being capitalized and prominent.

Lauren Wilson
Pretreatment Coordinator
City of Broken Arrow
Phone: 918.259-7000 ext. 7220
Email: lwilson@brokenarrowok.gov

Attachment A



Monday, May 22, 2017

Shane Vaughn
President
Broken Arrow Powder Coating
2051 SW Expressway Dr.
Broken Arrow, OK 74012

Re: NOTICE OF VIOLATION OF CITY OF BROKEN ARROW WASTEWATER DISCHARGE PERMIT # BA 015(2)

Dear Mr. Vaughn,

Enclosed is a notice of violation (NOV) of Wastewater Discharge Permit # BA 015(2) for the Broken Arrow Powder Coating facility located at 2051 SW Expressway Drive. The quarterly compliance monitoring report that was submitted to the Broken Arrow Pretreatment Office revealed a zinc result of 5.73 mg/L for the sample taken on May 5, 2017. That is 1.19 times over the daily limit of 2.61 mg/L. You fulfilled the requirement of notifying the City within 24 hours by submitting written notification on Thursday, May 18, 2017. I have attached a form for your response to the violation. Please sign the enclosed forms, describe the suspected cause of the violation and any abatement efforts, and return to the City of Broken Arrow Pretreatment Office within five days. Federal, State, and Local law require a retest within 30 days. You should also prepare a monitoring report for the retest. 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) 455-4762 FAX: (918) 455-4172
lwilson@brokenarrowok.gov

cc: Anthony Daniel, Director of Utilities, City of Broken Arrow



BROKEN ARROW

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: Broken Arrow Powder Coating Location 2

Address of Discharge: 2051 SW Expressway Dr., Broken Arrow, OK 74012

Permit#: BA 015 (2) Date Notice Issued: 5/22/17

Control Authority Issuing Representative: THE CITY OF BROKEN ARROW

Date Violation occurred	In violation of	Nature of violation	Fine
5/5/17	Wastewater Discharge Permit # BA 015 (2)	Zinc reported at 5.73 mg/L, which is over the daily limit of 2.61 mg/L	None, no violations in previous 6-month period. 1.19 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:

*Authorized Signatory for Industrial Discharger (Print)

Title

Date

Signature

Anthony Daniel, 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

(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.



BROKEN ARROW

Industrial User Response to Violation

Discharger: Broken Arrow Powder Coating, Location 2

Address of Discharger: 2051 SW Expressway Dr., Broken Arrow, OK 74012

Permit#: BA 015(2)

Date Occurred	Nature of Violation	Suspected Cause	Corrective Measure(s)	Date of Abatement	Measure(s) to Prevent Recurrence
5/5/17	Zinc above daily limit.				

(Attach additional pages if necessary)

Authorized Signatory for Industrial Discharger (Print)

Title

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, FAX: (918) 251-3383, EMAIL: lwilson@brokenarrowok.gov
Fax or email may be used to meet 5 day requirement. Original may be included with next monthly report.

Reviewed By

MAY 18 2017

Ln



RECEIVED
5-18-17

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: *Shane Vaughn*

COMPANY:
City of Broken Arrow/Industrial Pretreatment Program

DATE: *5/18/17*

FAX: (918) 251-3383

TOTAL NO. OF PAGES INCLUDING COVER: *1*

PHONE NUMBER:
(918) 259-7000 ext. 7220

SENDER'S PERMIT NUMBER:

EMAIL:
lwilson@brokenarrowok.gov

RE: *svaughn@bapowdercoating.com*

☒ URGENT

☐ FOR REVIEW

☐ PLEASE COMMENT

☐ PLEASE REPLY

☐ PLEASE RECYCLE

NOTES/COMMENTS:

Description of event: *tested over limit for Zinc*

Duration of event:

Date/Time of event: *5/5/2017*

Impact on compliance:

Suspected Cause: *Possible result of product being processed at the time. Possible false reading?*

Prevention: *Retest. Proceed after results*

RECEIVED
5-17-17

City of Broken Arrow
P.O. Box 610 Broken Arrow, OK 74013
(918) 455-4762 Fax (918) 455-4172

Reviewed By
MAY 18 2017 *Ln*

Industrial Pretreatment Program/Self-Monitoring Report

Facility Name, Address, and Phone Number:

BROKEN ARROW POWDER COATING
2051 SW EXPRESSWAY DR.
918-251-2192

Sampling Date and Location:

MAY 5, 2017
2051 SW EXPRESSWAY DR.
BROKEN ARROW OK

Contact Person:

SHANE VAUGHN

☐ Scheduled Monitoring ☐ Retest (for:)

Parameter	Units	Limits Daily/monthly	Result 1	Result 2	Result 3	Result 4	Avg.	Analytical Method Used	Compliant	
									YES ☐ 1 ☐ 2 ☐ 3 ☐ 4	NO ☐ 1 ☐ 2 ☐ 3 ☐ 4
Flow	Gpd		<i>2230</i>							
PH	s. u.	5 to 12.5	<i>9.37</i>							
Temperature	Fahrenheit		<i>28.0</i>							
BOD	Mg/L	-----	<i>9.0</i>							
COD	Mg/L	-----								
TSS	Mg/L	-----	<i>28</i>							
Oil & Grease	Mg/L	500	<i><5.2</i>							
Arsenic	Mg/L	2.0/2.0	<i>0.133</i>							
Cadmium	Mg/L	0.11/0.07	<i>0.00165</i>							
Chromium	Mg/L	2.77/1.71	<i>0.0324</i>							
Copper	Mg/L	3.38/2.07	<i>0.346</i>							
Cyanide	Mg/L	0.8/0.65	<i><0.006000</i>							
Lead	Mg/L	0.69/0.43	<i><0.00500</i>							
Molybdenum	Mg/L	33.8/33.8	<i>0.0321</i>							
Mercury	Mg/L	0.43/0.43	<i><0.000100</i>							
Nickel	Mg/L	3.98/2.38	<i>0.125</i>							
Selenium	Mg/L	-----	<i><0.00500</i>							
Silver	Mg/L	0.43/0.24	<i><0.00200</i>							
Zinc	Mg/L	2.61/1.48	<i>5.73</i>							
Phenol	Mg/L									
TTO	Mg/L	2.13								

40 CFR 136 Methods Used ☐ YES ☐ NO

QA/QC Data Enclosed? ☐ YES ☐ NO

Chain of Custody Form Enclosed? ☒ YES ☐ NO

Lab Analysis Enclosed? ☐ YES ☐ NO

NOTE: (1) Any violation requires retesting and reporting within 30 days of becoming aware of the violation.
(2) Any violation requires reporting to the POTW within 24 hours of becoming aware of the violation.
(3) Failure to submit this report within 30 days of the required date is considered a significant violation.

REMARKS: "Based on my inquiry of person directly responsible for managing compliance with the pretreatment standard for Total Toxic Organics (TTO), I certify that to the best of my knowledge and belief, no dumping of concentrated Toxic Organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organics Management Plan submitted to the Control Authority."

CERTIFICATION STATEMENT: 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 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 fines and imprisonment for knowing violations.

Ad Bales
Name and Title of Official

Ad Bales
Signature

Date

RECEIVED
5-17-17

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



Reviewed By *JW*
MAY 18 2017

May 16, 2017

Shane Vaughn
Broken Arrow Powder Coating
809 N. 16th *SW Expressway Dr.*
Broken Arrow, OK 74012
TEL: (918) 251-2192
FAX: (918) 251-2247

RE: City of Broken Arrow Permit

Order No.: 1705114

Dear Shane Vaughn:

Green Country Testing, Inc. received 2 sample(s) on 5/5/2017 for the analyses presented in the following report.

In accordance with your instructions, Green Country Testing conducted the analysis shown on the following pages on samples submitted by your company. The results relate only to the items tested. Unless otherwise noted, all analysis were conducted using EPA approved methodologies. Test reports meet all the NELAC requirements. All relevant sampling information is on the attached chain-of-custody form. The initials SUB as the analyst designate any testing sub-contracted by Green Country Testing.

Certifications/Accreditation: OK - 7604 - AR - ADEQ - KS - E-10232 - LA - 4002

A scope of Certified/Accredited parameters is available upon request. If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Brian Duzan
Laboratory Director

Original

Green Country Testing, Inc.

6825 E 38th Street

Tulsa, OK 74145

TEL: 918-828-9977 FAX: 918-828-7756

Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: 1705114

Date Reported: 5/16/2017

CLIENT: Broken Arrow Powder Coating

Lab Order: 1705114

Project: City of Broken Arrow Permit

Lab ID: 1705114-001

Collection Date: 5/5/2017 2:59:00 PM

Client Sample ID: WW Composite 5/4-5/2017

Matrix: WASTEWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PERMIT METALS				E245.1, 1994	Analyst: KR	
MERCURY IN WATER, TOTAL						
Mercury	< 0.000100	0.000100		mg/L	1	5/10/2017 4:12:21 PM
PERMIT METALS				E200.7, 1994	Analyst: KR	
METALS IN WATER BY ICP, TOTAL						
Arsenic	0.133	0.00500		mg/L	1	5/9/2017 9:45:42 PM
Cadmium	0.00105	0.00100		mg/L	1	5/9/2017 9:45:42 PM
Chromium	0.0324	0.0100		mg/L	1	5/9/2017 9:45:42 PM
Copper	0.346	0.0100		mg/L	1	5/9/2017 9:45:42 PM
Lead	< 0.00500	0.00500		mg/L	1	5/9/2017 9:45:42 PM
Molybdenum	0.0321	0.0100		mg/L	1	5/9/2017 9:45:42 PM
Nickel	0.125	0.0100		mg/L	1	5/9/2017 9:45:42 PM
Selenium	< 0.00500	0.00500		mg/L	1	5/9/2017 9:45:42 PM
Silver	< 0.00200	0.00200		mg/L	1	5/9/2017 9:45:42 PM
Zinc	5.73	0.0100		mg/L	1	5/9/2017 9:45:42 PM
BOD/TSS				A5210B, 2011	-	Analyst: PAB
BIOCHEMICAL OXYGEN DEMAND - 5 DAY						
Biochemical Oxygen Demand	9.00	3.00		mg/L	1	5/5/2017 5:45:00 PM
BOD/TSS				A2540D, 2011	Analyst: CW	
TOTAL SUSPENDED SOLIDS						
Suspended Solids (Residue, Non-Filterable)	28	5		mg/L	1	5/11/2017 10:37:00 AM

Qualifiers: H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: 1705114

Date Reported: 5/16/2017

CLIENT: Broken Arrow Powder Coating

Lab Order: 1705114

Project: City of Broken Arrow Permit

Lab ID: 1705114-002

Collection Date: 5/5/2017 3:00:00 PM

Client Sample ID: WW Grab

Matrix: WASTEWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL CYANIDE IN WATER				4500CN-E,2011		Analyst: KP
Cyanide, Total	< 0.006000	0.006000		mg/L	1	5/8/2017 4:57:00 PM
OIL & GREASE IN WATER				E1664A		Analyst: KR
Oil & Grease, Total	< 5.2	5.2		mg/L	1.042	5/15/2017 11:38:00 AM
FIELD PARAMETERS				FLD		Analyst: AK
pH, SM4500H+ B	9.37			S.U.		5/5/2017 3:10:00 PM
Temperature, SM 2550B	28.0			deg C		5/5/2017 3:10:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response
PL Permit Limit
RL Reporting Detection Limit

**GREENCOUNTRYTESTING
CHAIN OF CUSTODY**

**CITY OF BROKEN ARROW
CHAIN-OF-CUSTODY**

ATTACHMENT

1 OF 1 PAGES

1705114

Facility Name: Broken Arrow Powder Coating, Inc.										Preservative		Requested Analysis				
Facility Address: 2051 SW Expressway Dr. ; Broken Arrow, OK 74012										1 - HNO ₃		BOD5 & TSS				
Sampling Location: FAC (drain between dryers back (So.) inside bldg.)										2 - Ice, <4° C		PERMIT METALS				
Sampling Equipment: Sigma Compositor										3 - HCl		Oil & Grease				
Collected By: A. Adel Knode										4 - H ₂ SO ₄		Cyanide				
Type: G = Grab, C = Composite										5 - NaOH + ASC		pH / Temperature				
Container: P = Plastic, G = Glass										6 -						
Sample ID	Sample Volume	Field pH Results			Type G/C	Cont. P/G	Start Date/Time	Finish Date/Time	Pres #							
		pH	Time	Analyst												
WW Comp	500 mL				C	P	5/14/17	5/15/17	2	X						
WW Comp	250 mL				C	P	5/14/17	5/14/17	1/2	X						
WW Grab	950 mL				G	G	5/15/17	5/15/17	4/2		X					
WW Grab	250 mL				G	P	5/15/17	5/15/17	5/2			X				
WW Grab	250 mL				G	P	5/15/17	5/15/17	NA				X			
	TEMP	9.37	1510													

CERTIFICATION: To be completed by company official. I hereby certify that the above sampling occurred during a period such that the sample(s) is/are representative of a typical operating day discharge for the above named facility		SAMPLE RECEIPT TO BE COMPLETED BY TESTING LABORATORY Laboratory Comments: <i>Read on we of</i> Volume Received:	
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>	
Date/Time: 5/17/17		Date/Time: 5/17/17	
Relinquished by: (Signature) <i>[Signature]</i>		Received by Laboratory: (Signature) <i>[Signature]</i>	
Date/Time: 5/17/17		Date/Time: 5/17/17	

RECEIVED
5-24-17

City of Broken Arrow
P.O. Box 610 Broken Arrow, OK 74013
(918) 455-4762 Fax (918) 455-4172

Reviewed By
MAY 24 2017 Lu

Industrial Pretreatment Program/Self-Monitoring Report

Facility Name, Address, and Phone Number:

BROKEN ARROW POWDER COATING
2051 SW EXPRESSWAY DRIVE
918-251-2192

Sampling Date and Location:

MAY 19, 2017
2051 SW EXPRESSWAY DRIVE

Contact Person:

SHANE VAUGHN

☐ Scheduled Monitoring ☐ Retest (for:)

Parameter	Units	Limits Daily/monthly	Result 1	Result 2	Result 3	Result 4	Avg.	Analytical Method Used	Compliant	
									YES ☐ 1 ☐ 2 ☐ 3 ☐ 4	NO ☐ 1 ☐ 2 ☐ 3 ☐ 4
Flow	Gpd		1230							
PH	s. u.	5 to 12.5	7.37							
Temperature	Fahrenheit		24.3							
BOD	Mg/L	-----								
COD	Mg/L	-----								
TSS	Mg/L	-----								
Oil & Grease	Mg/L	500								
Arsenic	Mg/L	2.0/2.0								
Cadmium	Mg/L	0.11/0.07								
Chromium	Mg/L	2.77/1.71								
Copper	Mg/L	3.38/2.07								
Cyanide	Mg/L	0.8/0.65								
Lead	Mg/L	0.69/0.43								
Molybdenum	Mg/L	33.8/33.8								
Mercury	Mg/L	0.43/0.43								
Nickel	Mg/L	3.98/2.38								
Selenium	Mg/L	-----								
Silver	Mg/L	0.43/0.24								
Zinc	Mg/L	2.61/1.48	0.0554							
Phenol	Mg/L									
TTO	Mg/L	2.13								

40 CFR 136 Methods Used ☐ YES ☐ NO

QA/QC Data Enclosed? ☐ YES ☐ NO

Chain of Custody Form Enclosed? ☐ YES ☐ NO

Lab Analysis Enclosed? ☐ YES ☐ NO

NOTE: (1) Any violation requires retesting and reporting within 30 days of becoming aware of the violation.
(2) Any violation requires reporting to the POTW within 24 hours of becoming aware of the violation.
(3) Failure to submit this report within 30 days of the required date is considered a significant violation.

REMARKS: "Based on my inquiry of person directly responsible for managing compliance with the pretreatment standard for Total Toxic Organics (TTO), I certify that to the best of my knowledge and belief, no dumping of concentrated Toxic Organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organics Management Plan submitted to the Control Authority."

CERTIFICATION STATEMENT: 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 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 fines and imprisonment for knowing violations.

A.D. BALES
Name and Title of Official

Signature

Date

RECEIVED
5-24-17

Reviewed By
MAY 24 2017. LW

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



May 24, 2017

Shane Vaughn
Broken Arrow Powder Coating
809 N. 16th
Broken Arrow, OK 74012
TEL: (918) 251-2192
FAX: (918) 251-2247

RE: FAC

Order No.: 1705325

Dear Shane Vaughn:

Green Country Testing, Inc. received 2 sample(s) on 5/19/2017 for the analyses presented in the following report.

In accordance with your instructions, Green Country Testing conducted the analysis shown on the following pages on samples submitted by your company. The results relate only to the items tested. Unless otherwise noted, all analysis were conducted using EPA approved methodologies. Test reports meet all the NELAC requirements. All relevant sampling information is on the attached chain-of-custody form. The initials SUB as the analyst designate any testing sub-contracted by Green Country Testing.

Certifications/Accreditation: OK - 7604 - AR - ADEQ - KS - E-10232 - LA - 4002

A scope of Certified/Accredited parameters is available upon request. If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Brian Duzan
Laboratory Director

CC:
Jan Brown

Original

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: 1705325

Date Reported: 5/24/2017

CLIENT: Broken Arrow Powder Coating

Lab Order: 1705325

Project: FAC

Lab ID: 1705325-001

Collection Date: 5/19/2017 3:00:00 PM

Client Sample ID: WW Composite 5/18-19/2017

Matrix: WASTEWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

METALS IN WATER BY ICP, TOTAL

E200.7, 1994

Analyst: KR

Zinc	0.0554	0.0100		mg/L	1	5/23/2017 7:41:35 PM
------	--------	--------	--	------	---	----------------------

Lab ID: 1705325-002

Collection Date: 5/19/2017 4:05:00 PM

Client Sample ID: WW Grab

Matrix: WASTEWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

FIELD PARAMETERS

FLD

Analyst: AK

pH, SM4500H+ B, 2011	7.37			S.U.		5/19/2017 4:05:00 PM
Temperature, SM 2550B, 2000	24.3			deg C		5/19/2017 4:05:00 PM

Qualifiers: H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

M Manual Integration used to determine area response
PL Permit Limit
W Sample container temperature is out of limit as specified at test code

CITY OF BROKEN ARROW CHAIN OF CUSTODY

1705325

Facility Name: Broken Arrow Powder Coating, Inc.										Preservative		Requested Analysis									
Facility Address: 2051 SW Expressway Dr.; Broken Arrow, OK 74012																					
Sampling Location: FAC (drain between dryers back (So.) inside bldg.)										1 - HNO ₃ 2 - Ice, <40° C 3 - HCl 4 - H ₂ SO ₄ 5 - NaOH + ASC 6 - _____											
Sampling Equipment: Sigma Compositor																					
Collected By: A. Adel Knode										Finish Date/Time: 5/19/17 1:50 Pres # 2, 1 X											
Type: G = Grab, C = Composite																					
Container: P = Plastic, G = Glass										Start Date/Time: 5/19/17 1:50 Cont. P/G P Type G/C C Field pH Results pH Time Analyst Sample Volume 250 mL WW Comp											
TEMP 7.37 16.05										GREEN COUNTRY TEST IN CHAIN OF CUSTODY ATTACHMENT 1 OF 1 PAGES											

SAMPLE RECEIPT TO BE COMPLETED BY TESTING LABORATORY
 Laboratory Comments: *Rec'd on ice at*
 Volume Received: _____ Laboratory Conducting Analyses:

CERTIFICATION: To be completed by company official.
 I hereby certify that the above sampling occurred during a period such that the sample(s) is/are representative of a typical operating day discharge for the above named facility

SIGNATURE: <i>Adel Knode</i>	TITLE:	Received by: (Signature)	Date/Time:
Relinquished by: (Signature)	Date/Time: 5/19/17 16:20	Received by: (Signature)	Date/Time:
Relinquished by: (Signature)	Date/Time:	Received by: (Signature)	Date/Time: 5/19/17 16:20