



CITY OF ELIZABETHTON

**136 S. SYCAMORE ST.
ELIZABETHTON, TN 37643-3328
Phone: 423-547-6206
Fax: 423-547-6350**

May 18, 2017

Mr. Brown Patton, Jr.
Environmental Specialist
State of Tennessee
Division of Water Pollution Control
2305 Silverdale Drive
Johnson City, TN 37601

Re: Elizabethton Water Treatment Plant – Backwash Basin

Dear Mr. Patton:

The discharge on May 3, 2017 exceeded the limit on aluminum. The timeframe of this discharge was from 10:50 on May 3, 2017 to approximately 04:00 hrs the following morning on May 4, 2017. The high aluminum was caused by a high proportional feed rate due to an excessive rainfall and high raw turbidity. To maintain compliance on finished water turbidity the high feed rate was required. To prevent this occurrence during future discharges, we will maintain optimum feed rate and extend retention time in the backwash basin.

If any further information is needed, please feel free to contact me at 423-895-0800.

Sincerely,

Doug Cornett
Water Treatment Plant Manager



CERTIFICATE OF ANALYSIS

Doug Cornett
Elizabethton, City of
136 S Sycamore Street
Elizabethton, TN 37643

Date Reported: 5/15/2017
Date Received: 5/3/2017
Cust #: V59
PO#:

Workorder: 1707043 Project: Backwash

Table with 9 columns: Analyte, Result, Units, Qualifier, MDL, MRL, Analyst, Analyzed, Method

Big Springs Backwash Basin Sampled: 05/03/2017 11:03
1707043-01 (Wastewater)

Wet Chemistry

Analyzed By: Microbac Knoxville Division

Table with 9 columns: Analyte, Result, Units, Qualifier, MDL, MRL, Analyst, Analyzed, Method. Rows for Settleable Solids and Total Suspended Solids.

Metals by EPA 200 Series Methods

Analyzed By: Microbac Knoxville Division

Table with 9 columns: Analyte, Result, Units, Qualifier, MDL, MRL, Analyst, Analyzed, Method. Rows for Aluminum and Iron.

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CERTIFICATE OF ANALYSIS

Doug Cornett
Elizabethton, City of
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Elizabethton, TN 37643

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Notes and Definitions

- R1 Duplicate RPD is outside of acceptance limits.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Microbac Laboratories, Inc. - Knoxville

Handwritten signature of Kim Storey

Kim Storey, Laboratory Manager - Tri-Cities Division

Thank you for your business. For any feedback, please contact Joe Sloan, at 865-977-1200. You may also contact J Trevor Boyce, President at president@microbac.com.

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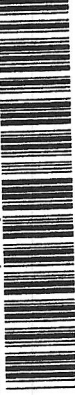
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Microbac Tri-Cities Division,
2109 W Market Street, Suite 177
Johnson City, Tennessee 37604
Phone (423) 926-6385 Fax (423) 926-6997

CHAIN OF CUSTODY

1707043-01 Sampled: 05/03/2017 11:03
Elizabethton, City of



Account Name and Address
City of Elizabethton
136 S Sycamore Street
Elizabethton TN 37643

Report to:
Doug Cornett
Fax: Yes ___ No ___
Phone # 423-547-6450

Project Name Big Springs Backwash Discharge
Project Number _____
Sampler(s): (signature) *J Greer*

Sample #	Sample Date	Sample Time	Comp. Grab	# Cont.	Sample I.D.
1	5/3/17	1103A	Grab	4	Backwash Basin

CK.	Preservative
	pH<2 H2SO4 Phenol
	pH<2 H2SO4 Ammonia
	pH<2 H2SO4 T. Phos.COD,TOC,TKN
	pH<2 HCL Oil & Grease
X	pH<2 HNO3 Metals-Total, Hardness
	pH<2 1:1HCL VOC's, BTEX/GRO
	pH>9 NaOH+ZnAcetate Sulfide
	pH>12 NaOH Cyanide
X	pH>9 NaOH+ZNAcetate Unpreserved
	Unpreserved VOC's*

Relinquished by: (signature) *[Signature]* **Date** 5/3/17 **Time** 12:30p
Received by: (signature) *[Signature]* **Date** 5/3/17 **Time** 12:30

Relinquished by: (signature) _____ **Date/Time** _____
Received by: (signature) *[Signature]* **Date** 5/3/17 **Time** 12:30

pH _____ **Temp.** _____

Settable Solids	TSS	Aluminum, Iron
X	X	X

Temp: 1.1°C

Properly Preserved? YES **NO**

Chlorine Check? YES **NO**

*If present NA2SO4 added to sample

WO# 1707043

COMPOSITE INFO	Start Date	Stop Date	Start Time	Stop Time

FLOW _____ **GPD** _____