



CITY OF
Caldwell, Idaho

GARRET NANCOLAS
Mayor

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For a list of the City
Council members, visit:
Website
www.cityofcaldwell.com

James Craft
Compliance Officer
Idaho Department of Environmental Quality
Boise Regional Office
1445 North Orchard Street
Boise, Idaho 83706

June 13, 2019

Re: UV disinfection failure on June 11, 2019

Dear Mr. Craft,

The purpose of this letter is to notify IDEQ regarding a non-compliance incident as required by IPDES Permit No. ID-0021504. A 24-hour compliance call to IDEQ was placed on the morning of June 12, 2019.

On June 11, 2019 the POTW began a scheduled shutdown around 2 AM for the purpose of connecting the new filter building to the existing final clarifiers. During this shutdown, flow was diverted to empty aeration basins and empty final clarifiers prepared for this event. Normal flow did not resume until approximately 4 PM on June 11, 2019. Due to mechanical difficulties elsewhere in the plant at the time normal flow resumed, the UV was not placed immediately online. The duration of flow sent to the Boise River without proper disinfection was around 20 minutes, after which normal UV disinfection was resumed. An E. coli sample was taken at 4:40 PM on July 11, 2019. Sample results from this analysis show an E. coli level of >2,400 MPN/100mL, which is well over our permitted limit. Please see the attached analysis results from Analytical Labs Inc.

To prevent similar occurrences during future scheduled shutdowns, we will take care to ensure an operator is ready to place the UV disinfection unit online before flow is resumed.

If you have any questions please feel free to contact us for more information.

Sincerely,

Salvador Arreola
Wastewater Superintendent

Prepared by Kaitlin Chattin

"The Treasure of the Valley"



Analytical Laboratories, Inc.

1804 N. 33rd Street
Boise, Idaho 83703
Phone (208) 342-5515

Date Report Printed: 6/13/2019 11:35:38 AM
<http://www.analyticallaboratories.com>
These test results relate only to the items tested.

Laboratory Analysis Report

Sample Number: 1927897

Attn: SALVADOR ARREOLA
CALDWELL WASTEWATER
PO BOX 1179
CALDWELL, ID 83607

Collected By: K. KEETON
Submitted By: B. MILLER

Source of Sample:
FE-G

Time of Collection: 16:40
Date of Collection: 6/11/2019
Date Received: 6/12/2019
Report Date: 6/13/2019

Field pH: Lab pH:
Field Temp: Temp Recvd in Lab: 9.3 °C

PWS#:
PWS Name:

RCVD PAST HOLD TIME

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Escherichia coli		>2,400	MPN/100mL		SM 9223	6/13/2019	JL

Email: sarreola@ci.caldwell.id.us

MCL = Maximum Contamination Level
MDL = Method/Minimum Detection Limit
UR = Unregulated

Thank you for choosing Analytical Laboratories for your testing needs.
If you have any questions about this report, or any future analytical needs, please contact your client manager:

James Hibbs