



CITY OF *Caldwell, Idaho*

GARRET NANCOLAS
Mayor

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Caldwell, Idaho 83606

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

April 3, 2019

Re: Ammonia Exceedance on March 26, 2019 and March 28, 2019

Dear Mr. Craft,

On April 2, 2019 a twenty-four hour non-compliance notification call was made to IDEQ regarding two ammonia discharge concentration violations, one on March 26, 2019, and the other on March 28, 2019. The City was not aware of these test results until the morning of April 2, 2019. The purpose of this letter is to satisfy the five day written notification requirement for the violation of a maximum daily discharge limitation, as required in Part G of IPDES Permit No. ID0021504.

A twenty-four hour composite sample of the Final Effluent taken at 7:10 AM on March 26, 2019, yielded an ammonia (as N) concentration of 14.3 mg/L. A twenty-four hour composite sample taken at 8:00 AM on March 28, 2019, yielded an ammonia (as N) concentration of 10.7 mg/L. Both of these results exceed the Maximum Daily Limit of 8.93 mg/L ammonia (July-March) set forth in IPDES No. ID0021504. These analyses were performed by Analytical Labs Inc. in Boise, Idaho. The preliminary Laboratory Analysis Reports are attached to this letter.

The elevated ammonia concentrations were due to measures taken to prepare for an upcoming temporary shutdown for the construction of the filter building. In anticipation of this shutdown, two of three aeration basins were taken offline, to allow for ample space for flow diversion. This, in combination with a high level of ammonia returned to the Influent from the dewatering press, elevated ammonia levels enough to exceed the permitted Daily Maximum Limit.

To correct these high ammonia values, another aeration basin was placed back online.

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

Sincerely,

Salvador Arreola
Wastewater Superintendent

"The Treasure of the Valley"

Prepared by Kaitlin Chattin



**Analytical
Laboratories
Inc**

Analytical Laboratories, Inc.

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

Laboratory Analysis Report

Sample Number: 1913300

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

Collected By: R. HENSON
Submitted By: B. MILLER

Source of Sample:

FE-C

Time of Collection: 7:10:00
Date of Collection: 3/26/2019
Date Received: 3/26/2019
Report Date:

PWS:

Field PH: Lab PH:
Field Temp: Temp in Lab: 0.6

| Test Requested | MCL | Result | Units | MDL | Method | Completed | Analyst |
|-----------------------------------|-----|--------|-------|-------|-----------------|-----------|---------|
| Ammonia Direct (as N) | UR | 14.3 | mg/L | 0.04 | EPA 350.1 | 4/1/2019 | SMC |
| Total Phosphate, Low Level (as P) | | 0.584 | mg/L | 0.005 | EPA 365.1 | 3/31/2019 | SMC |
| Biochemical Oxygen | | | mg/L | 3.00 | SM 5210 B | | |
| Total Suspended Solids | | 14 | mg/L | 2 | USGS I- 3765 | 3/27/2019 | EH |

PRELIMINARY

Thank you for choosing Analytical Laboratories for your testing needs.

If you have any questions concerning this report,

please contact: **James Hibbs**



**Analytical
Laboratories
Inc**

Analytical Laboratories, Inc.

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

Laboratory Analysis Report

Sample Number: 1913718

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

Collected By:
Submitted By: B. MILLER

Source of Sample:

FE-C

Time of Collection: 8:00:00
Date of Collection: 3/28/2019
Date Received: 3/28/2019
Report Date:

PWS:

Field PH: Lab PH:
Field Temp: Temp in Lab: 1.1

| Test Requested | MCL | Result | Units | MDL | Method | Completed | Analyst |
|-----------------------------------|-----|--------|-------|-------|-----------------|-----------|---------|
| Ammonia Direct (as N) | UR | 10.7 | mg/L | 0.04 | EPA 350.1 | 4/1/2019 | SMC |
| Total Phosphate, Low Level (as P) | | 0.536 | mg/L | 0.005 | EPA 365.1 | 3/31/2019 | SMC |
| Biochemical Oxygen | | | mg/L | 2 | SM 5210 B | | |
| Total Suspended Solids | | | mg/L | 2.00 | USGS I- 3765 | | |

PRELIMINARY

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please contact: **James Hibbs**