



CITY OF *Caldwell, Idaho*

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US EPA Region 10
Attn: NPDES Coordinator
1200 Sixth Avenue
Suite 900 OWW-191
Seattle, WA 98101-3140

February 6, 2018

RE: City of Caldwell Wastewater Treatment Plant, Phosphorus Removal Written Progress Report

The City of Caldwell has completed the pretesting for the phosphorus removal project. The plans for the future Filter Building were previously submitted and approved by the Idaho Department of Environmental Quality (DEQ) which allowed the City of Caldwell to solicit bids for the construction of the filter building.

The City of Caldwell solicited bids from prequalified bidders. After the bidding process the construction of the Filter Building/Phosphorus removal process has been awarded to the RSCI Group Construction Company located in Boise ID.

The RSCI Group has set up construction headquarters on location and started the preliminary site set up on January 18, 2018. RSCI has started ground excavation at this time and is currently working on site preparation for the Filter Building footings and foundation.

The City of Caldwell NPDES permit (#ID0021504) has an interim Annual Average Effluent Limit for Phosphorus at a concentration of 3.0 mg/L, and a loading rate of 213 lbs/day until September 30, 2026.

Attached are the results of the 2017 calendar year of phosphorus sampling for the Final Effluent outfall of the City of Caldwell Wastewater Treatment Facility.

| Phosphorus | Results mg/L | Loading lbs/day |
|--------------|--------------|-----------------|
| Minimum | 0.191 | 14.16 |
| Maximum | 5.49 | 427.56 |
| Year/Average | 2.01 | 148.72 |

The City of Caldwell NPDES permit (#ID0012504) has an interim Whole Effluent Toxicity of an Average Monthly Limit (Year Round): 8 Chronic Toxic Units (TUC) and a Maximum Daily Limit (Year Round): 16 TUC until October 31, 2019.

The City of Caldwell results for Whole Effluent Toxicity (WET) of the Wastewater Treatment Facility outfall is an average of 1 on all testing parameters. With the results of 1 on the WET testing, we are now testing only the most sensitive species, which is the Ceriodaphnia dubia (water flea), per the current issued discharge permit. The results for the WET testing can be made available upon request and are electronically attached to the corresponding testing quarters of the City of Caldwell Discharge Monitoring Report submissions.

Salvador Arreola, City of Caldwell

"The Treasure of the Valley"