



CITY OF MIDDLETON

P.O. Box 487, 1103 W Main Street, Middleton, ID 83644
208-585-3133 Fax (208) 585-9601
citmid@middletonidaho.us
www.middleton.id.gov

April 30, 2021

Valerie Greear, PE
Idaho Department of Environmental Quality
1445 N Orchard St
Boise, ID 83706

Subject: City of Middleton – Natural Treatment System Pilot Study Annual Report

Dear Valerie,

The City of Middleton is submitting our first Annual Report for the Reuse Pilot Study. Middleton is performing the Pilot Study per a Work Plan approved by Idaho Department of Environmental Quality (DEQ), entitled Pilot Study Work Plan, on September 9, 2020. In addition to requiring environmental and operations monitoring, and an annual report, the approval requires notification of changes to the Work Plan and Quality Assurance Project Plan (QAPP). The following are proposed changes to the Work Plan and QAPP:

- A more secure location for Boise River temperature monitoring will be selected, presented to DEQ for approval, and a probe installed
- Mill Slough water level upstream of Rubicon will be recorded monthly and when any changes to gate setting occur
- Middleton is planning to conduct quarterly data and QC review meetings to facilitate full QAPP compliance
- Crop tissue samples for OZ1, 2 and 3 will be collected and analyzed individually (i.e., not composited); this change will improve assessment a baseline uptake and removal of “non-reuse” zones
- Because construction and startup of the SDI system was delayed, Middleton is planning to delay submittal of the OP until the end of May.

The intent of this first Annual Report is to provide DEQ information on how the pilot study has been implemented, present 2020 monitoring results with a general assessment of results, and present the planned 2021 operations. The 2020 data were also used to re-assess the environmental conditions previously presented and used to the design this study. Based on our review, the baseline data is consistent with these previously stated conditions.

The City is hopeful that with continued operation, monitoring, and reporting DEQ will fully accept use of the subsurface drip reuse application system and the proposed non-growing season (NGS) operations. The City is also planning to work toward acquiring a reuse permit for long operation of a reuse facility.

Thank you for your time on this review. Please Rachel Speer, City Engineer, at rspeer@middletoncity.com or 208-585-3133, if you have any questions regarding this submittal.

Sincerely,



Steve Rule, Mayor