

**From:** [Andy Rossi](#)  
**To:** [Alan Goldich](#); [Scott Cowman](#); [gdromero@mcwater.org](mailto:gdromero@mcwater.org)  
**Subject:** RE: Tailwaters water quality plan  
**Date:** Friday, August 16, 2024 3:34:25 PM

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Alan,

The UYWCD recommends that the water quality sampling locations be in Little Morrison Creek at the upstream and downstream limits of the project. This will allow for comparison of the water quality in Little Morrison Creek as it enters the project site to the water quality leaving the site. MCWSD may also see the benefit of additional sampling locations in Little Morrison Creek upstream of the MCWSD facility, that may inform their treatment plant operations. The project proponent should indicate the water quality sampling locations on the Master Drainage and Grading dwg. This document is currently labelled as Sheet Number PR-MD1 in the proposed project design document. The water quality narrative should be revised to include any changes to the sampling plan that are adopted.

Thank you,

Andy Rossi

General Manager

Upper Yampa Water Conservancy District

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**From:** Alan Goldich <[agoldich@co.routt.co.us](mailto:agoldich@co.routt.co.us)>  
**Sent:** Friday, August 16, 2024 10:30 AM  
**To:** Scott Cowman <[scowman@co.routt.co.us](mailto:scowman@co.routt.co.us)>; Andy Rossi <[arossi@upperyampawater.com](mailto:arossi@upperyampawater.com)>;  
[gdromero@mcwater.org](mailto:gdromero@mcwater.org)  
**Subject:** Tailwaters water quality plan

Hello all. I had a few questions on the testing plan that was submitted. Below is the portion of the plan that addresses testing. My questions are:

1. Is testing every three months adequate?
2. Does Morrison Creek need to be provided with the test results?
3. Are the testing parameters detailed adequate and sufficient?
4. I spoke with Andi and he was wanting to see a map of where the test points will be. One of the test points is in the cove where the creek empties into it. Where is MC's discharge point? Would it make sense to have the test point below stream of construction and up stream of MC's discharge point? Based on my reading of the plan, I believe the other test point would be near where CR 16 crosses the creek on the southern portion of the site. Is this where it should be?
5. We typically require brief narratives explaining the results of the test compared to baseline conditions. This will be required also.

Prior to and during construction the Applicant is proposing to implement a stormwater

monitoring plan consisting of initial testing prior to construction, testing every 3 months during construction, and then post-construction testing. Parameters included in the testing will consist of Alkalinity, Conductivity, Hardness, pH, Chlorophyll a, Turbidity, Total Phosphorus, Free Reactive Phosphorus, Nitrates & Nitrites, and Total Nitrogen. For each testing period, we anticipate at least two samples per test; one from the creek just past the edge of construction, and then another out in the cove where the creek deposits into the reservoir. These will allow us to differentiate any nutrient loading coming from the already established development vs. the construction. Should the testing show elevated phosphorus being released due to construction, the applicant will install products that can be placed in the creek stream and will strip phosphorus from the flowing water (see attached informational sheet in Appendix A). If elevated nitrogen levels are detected, the contractor will complete additional testing from individual stormwater outfalls at the site to determine the source of elevated nitrogen laden runoff. The contractor will then detain any stormwater from this area to prevent elevated nitrogen runoff from entering Morrison Creek. This will continue until nitrogen levels reduce to acceptable levels.

Sampling will continue during active construction or if elevated nutrient levels are detected, sampling will cease when construction activity is completed and there are at least two consecutive samples showing nutrient levels are at or below 10% of the preconstruction nutrient sampling levels. UYWCD and the County will be provided copies of the quarterly samples throughout the testing period.

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