

From: gdromero@mcwater.org
To: "Andy Rossi"; Alan Goldich; Scott Cowman
Subject: RE: Tailwaters water quality plan
Date: Monday, August 19, 2024 12:53:36 PM

All.

Please see my comments in **RED**.

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? **During construction I would recommend monthly except during the winter months**
2. Does Morrison Creek need to be provided with the test results? **Yes the data would have to be delivered to the agencies involved to include MC**
3. Are the testing parameters detailed adequate and sufficient? **Temperature, Ammonia, Nitrates and nitrites, Phosphorus and chlorophyll as far as MC is concerned.**

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? **The test sites on the Little Morrison Creek shall be above and below the limits of construction ideally located within their own boundaries.**

4. 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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