



MEMORANDUM

To: Nederland Board of Trustees
From: Jason Morrison
Date: April 9, 2013
Re: Staff Report -- Public Works

Collections, Distribution, and Water Treatment Plant

Public Works staff met recently with folks from Arapaho Ranch to look at approximately 30 acre feet of water storage, to take advantage of the longtime water rights the Town has held for storage but not yet acted upon. There are two existing ponds upstream from the raw water intake that are currently unused that could be used for the Town's water storage; using these ponds would eliminate having to build any kind of dam and changing the landscape unnecessarily. Surveying for the raw water diversion project approved by the Board last year is complete and material hauling for the construction will begin in the next week. Hydrant flushing has begun and will continue over the summer, starting in Caribou Ranch and isolating the unused portions of the distribution system in this area. Cleaning of the Town's water tanks will get underway shortly.

Wastewater Treatment Plant

Tie-in to the new mechanical wastewater plant this week went smoothly, and everything seems to be flowing well. The screw press that replaced the manual grit screen at the effluent intake location is wonderful and seems to be very efficient. Both primary tanks are full and the #1 SBR (sequential batch reactor) should start batching today. South pond draining has begun so Aslan can start their work between pond and plant as soon as pond level is low enough. Bugs to be added to tanks will come up today if temperatures allow, if not, as soon as it warms up a little. If all goes well and all tanks are full, we can switch to "auto" today and begin monitoring all systems. The large piles of dirt and rock will begin to be hauled away this week, which will help the overall look of completion appear closer. The Town will be using much of the dirt and rock at the site for other projects, though a good portion of the dirt will be used to fill in the north lagoon, which will be drained from mid-April to mid-March and decommissioned. Letters about the decommissioning and the overall project are going out to residents early next week, as pumping work begins on the pond.

Streets and Drainage

The melting snow has kept us busy with potholes. Grading is very difficult when you have puddles and mud. We have placed an order for 750 -1,000 tons of road base to begin applying as things dry out. We have begun in a few areas already as well as filling in potholes in the asphalt. We are trying a new product that allows us to store asphalt cold at the shop and reheat as

needed and apply as though we are using hot mix. If this process proves to be effective, it will save us a lot of time and fuel by not having to drive down to pick up small amounts of hot mix for small holes. A few of the areas that were dug up during heavy frost to repair frozen service lines have begun to thaw, leaving large dips where they have begun to compact. We are monitoring these sites for repair.

Parks

Chipeta Park fared pretty well after FDGD, with no damage other than the standard use of a large crowd watching people run with various coffins and the tracks left over from the machinery used to build the course.

We are beginning the process of cleaning and conducting repairs in anticipation of opening park facilities for the year. With water restrictions in place in several areas around Colorado, we plan to reduce watering of parks to the bare minimum this year in an effort to conserve water in town. The new playground equipment has been ordered and we are just waiting for the word on delivery to set up an installation date. The equipment will replace an old teeter totter that broke last year. Nederland Elementary School students and parents selected the equipment as part of an election education exercise last semester, working with PROSAB.