

MEMORANDUM

To: Board of Directors
From: Peter C. Gorham, P.E., Director of Engineering
Date: May 13, 2010
Re: Camp Holiday Trails Water Quality Project
cc: James M. Bowling, IV

In late April 2010, we received the final Summary of Alternatives and recommendation for the system to adjust pH at the point of delivery to Camp Holiday Trails (CHT). Two types of systems were considered; liquid acid and gas injections. The liquid acids considered were citric, acetic and hydrochloric. The primary method to adjust pH with a gas in drinking water is through the use of carbon dioxide. The evaluation focused on a comparison between the liquid acid injection and carbon dioxide gas injection alternatives. The recommended alternative was carbon dioxide gas injection because it provided the lowest risk of over-treating the water, had the lowest annual chemical cost and the least risk from exposure.

The final design for the building layout is currently under review after Baker incorporated comments from Engineering and Maintenance Staff on their draft design. We anticipate applying for the building permit during the week of May 17, 2010. The Board of Directors for CHT has approved the easement plat and proposed some language revisions to our initial draft of the deed of easement. Their proposed revisions are currently under review by Mr. Jim Bowling. Baker will be providing us with three vendors that can provide the carbon dioxide injection system along with a set of specifications so we can send out a request for quotes.

Board Action

No Board Action is required at this time.

