

MEMORANDUM TO FILE

TO: KM File

FROM: Brian Rakvica

DATE: July 13, 2004

CC: Todd Croft, Jennifer Carr, Jeff Johnson, Jim Najima, Jon Palm, Tamara Pelham, Alan Tinney, Leo Drozdoff, Valerie King

RE: KM Conference Call on July 13, 2004 at 9:00 AM

1. Attendance:
 - a. NDEP: Todd Croft, Tamara Pelham, Alan Tinney, Brian Rakvica, Valerie King
 - b. KM: Keith Bailey, Susan Crowley
2. System Operations.
 - a. Plant is still running near capacity.
 - b. Continue to use ferric chloride and cationic polymer.
 - c. Discharge is in the 15-30 ntu range and well within the TSS limit.
 - d. Disc filter pilot test continues at 30-50 gpm. Located on feed to DAF.
 - i. Noted that if KM were going to install this at full scale they would need to have BWPC Technical Services complete a review.
 - e. KM has tried adjusting the weir levels in the DAFs to better address the smaller particles.
 - f. Noted that KM is using a de-foamer.
 - g. Noted that discharge concentrations have been ~ ND (18 ppb) for the last week or so. KM will be submitting a compliance sample today to verify.
 - h. Noted that the 30 day test is pending based on the analytical results returned by MWH.
3. KM noted that they have initiated the lowering of the culvert. This should be completed by Thursday. This will likely drain much of the slough areas and will result in a more desirable appearance.
4. NDEP observations.
 - a. WQ was very good on the evening of July 4, 2004.
 - b. KM noted that they had an interruption of the use of the cationic polymer on July 3, 2004, however, it was back in use on the 4th.
5. Discussed DO issues
 - a. Last week the DO (as measured by SNWA) was 0.6 mg/L at the end of the pipe and 1.38 mg/L in the slough.
 - b. KM noted that the DO is 3.5-4.0 mg/L on the plant site before the discharge line and has measured ~0.7 mg/L at the end of the pipe.
 - c. KM is looking to increase the blower speed to try and drive the DO to ~7 mg/L before the DAFs. KM will also check the diffusers for proper operation.

- d. Noted that it is possible that there is continued microbial activity in the pipeline which may be lowering the DO. Discussed other possible scenarios.
 - e. Discussed possibly using chemical addition or addition of another blower to drive the DO up.
 - f. KM noted that the aeration tank is located where it is to help with sulfide control.
 - g. Discussed possibly using an aerator in the slough area. KM has concerns that this will create foam or scum.
6. Discussed compliance issues.
- a. KM had reported a phosphorus exceedence to Val last week.
 - b. Val will be issuing some questions on the Emergency Response Plan.
7. Other issues.
- a. Sierra Club tour planned for Saturday. Todd will attend.
8. Next call: Wednesday, July 21, 2004 at 1:30 PM. Call in number: 405-270-2655.