

## MEMORANDUM TO FILE

**TO:** KM File

**FROM:** Brian Rakvica

**DATE:** August 11, 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 August 11, 2004 at 1:30 PM

1. Attendance:
  - a. NDEP: Todd Croft, Tamara Pelham, Brian Rakvica
  - b. KM: Keith Bailey
2. Reviewed system operations.
  - a. System is operating at ~930 gpm and ~50% of the chemical load.
  - b. Flow includes all of the Seep water, all of the ARW water and 30 gpm from the on-site GWTS. No pond water is being used.
  - c. From 5:30 AM on 8/7/04 to approximately 11:00 AM on 8/11/04 the FBR discharge was routed to pond GW-11. This was due to increases in perchlorate concentration and opacity. It was discovered that this was due to a faulty nutrition pump. The preventative maintenance for this piece of equipment has been modified. During this time, stabilized lake water was discharged to the Seep.
  - d. Discharge opacity is being adjusted after this incident and KM is working to bring the opacity back down to the 15-20 ntu range.
3. Discussed system modifications.
  - a. On 8/10/04 KM tested a sulfide killing operation. This injects hydrogen peroxide at the outlet of the secondary reactors before the aeration tanks.
  - b. The ferric chloride injection point is being moved from the aeration tank to the discharge pipe after the aeration tank and before a static mixer [prior to the DAFs](#).
  - c. KM is also adding additional equalization tank capacity. It was found that the cycling of the on-site pumps affects the influent concentrations noticeably.
  - d. KM noted that revised P&ID will be submitted to Nadir Sous with NDEP -BWPC.
4. Discussed discharge location.
  - a. KM plans to relocate at the downstream side of the existing culvert as close to the confluence of the Wash as possible (without being in the floodplain). NDEP noted that the discharge area needs to be properly rip-rapped and must allow for the collection of a sample.
  - b. KM noted that the flow meter at the Wash area is believed to be inaccurate due to it's location in the piping. KM noted that the meter will be

recalibrated and properly installed when the discharge location is modified.

- c. KM is still trying to determine the owners of the properties and get right of way agreements in place. Once this is complete a design will be finalized and submitted to Nadir Sous.
5. Other discussions.
    - a. Discussed sale of part of US Filter. KM noted that this is the equipment supplies division and does not affect the operations at KM.
    - b. KM noted that the quarterly report shows a noticeable decline in the 25 ppm contour between the ARW and the Seep.
  6. Next call: Wednesday, August 18, 2004 at 1:30 PM. Call in number to be provided.