MEMORANDUM TO FILE

TO: Kerr McGee (KM) File

FROM: Brian Rakvica

DATE: September 16, 2004

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

RE: KM Meeting on September 16, 2004 at 1:30 PM via telephone

1. Attendance:
   a. NDEP: Todd Croft, Alan Tinney, Brian Rakvica
   b. KM: Keith Bailey, Susan Crowley
2. Reviewed FBR system operations.
   a. System is currently receiving 45 gpm of the blended water from the GWTS and the GW-11 pond. 20 gpm of GW-11 pond water is being put into the blend and approximately 58 gpm of GWTS water. 45 gpm of this is forwarded to the FBR whereas the remaining 33 gpm is recycled to the GW-11 pond.
   b. Influent concentration is approximately 155-163 ppm perchlorate.
   c. Equalization tanks are still being filled and should be full by the end of tomorrow.
   d. KM hopes to continue to ramp up and be using approximately 50 gpm of the blend water by next week.
   e. In general, KM has been seeing ND in their discharge. There have been occasional spikes up to approximately 180 ppb when the influent to the FBR has been modified. Monthly average for last month is approx. 45 ppb.
   f. Detection limits have varied from ~2.5 ppb to ~16 ppb.
   g. KM noted that Veolia now has an IC on site for perchlorate analysis.
   h. KM noted that the hydrogen peroxide system is still operating in manual mode. KM will work to switch this to an auto mode.
   i. KM noted that it will be a few weeks before revised P&IDs are generated and submitted to Nadir.
   j. KM noted that the static mixer has been installed and is working well.
3. Discussed permit.
   a. KM requested that (during the performance test) they be allowed to submit a composite sample instead of a grab sample for perchlorate analysis. This composite would consist of grab samples collected every 15 minutes through out the day.
   b. Alan Tinney to review and discuss with KM tomorrow.
4. Discussed NDEP observations.

a. Discharge contains a few solids but is clear. Discharge appears clear once it reaches the culvert area.

5. Discussed discharge relocation. KM noted that they are still pursuing this with BOR.
6. Discussed DO concentrations.
   a. DO has been 3-4 mg/L at the end of pipe and decreases through the swamp area. Also, DO is greater at the beginning of the pipe and decreases throughout the length of the pipe.
   b. KM to provide updates on bi-weekly calls and written updates to Todd monthly.
7. Next meeting: Thursday, September 29, 2004 at 1:30 PM. Call-in number to be provided.

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