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June 22, 2009

Jimmie Benfer
City of Gypsum
PO Box 101
Gypsum, KS 67448

Dear Jimmie;

As you requested, I conducted a sludge profile of the city's wastewater stabilization ponds on June 16, 2009. The enclosed report summarizes my findings.

We took 33 measurements in the north (primary) cell. The average sludge depth in this cell was 7.76 inches. This cell was being operated at a depth of 5 feet. The loss of capacity due to sludge accumulation is 12.93 percent. The depth of heavy sludge is about 2 to 4 inches.

I do not believe removal is warranted given the limited amount of heavy sludge in the lagoons. Sludge removal is usually only necessary when a system fails to meet discharge permit limits or when the system has constant odor problems. The odors will usually only occur when approximately 25 percent of lagoon capacity is lost due to sludge accumulation. Other factors include system design and capacity. Sludge removal project can be a significant expense and should be budgeted for.

Please call if KRWA can be of any further help or provide additional information.

Sincerely,

Charlie Schwindamann
Wastewater Tech

CS: ejr
Enclosure
C: Larry Hawkes, Mayor
Marsha Carpenter, KDHE, Salina

TOP IS NORTH

PRIMARY CELL

