

Cobrain, Dave, NMENV



From: Cobrain, Dave, NMENV
Sent: Thursday, August 07, 2014 4:53 PM
To: Blaine, Tom, NMENV; Reuter, Stephen, NMENV; Kieling, John, NMENV; Wear, Benjamin, NMENV; Turner, Jill, NMENV; Brandwein, Sid, NMENV; McDonald, William, NMENV; Shean, Frederic (flshean@abcwua.org); Gallegos, William A. (bagallegos@cabq.gov); McQuillan, Dennis, NMENV
Subject: FW: SVE upgrade list of schedule items

Tom,

Here's a list of items that the Air Force could include in a schedule for the SVE upgrade:

Each of the following items would require submittal of a separate work plan for work scheduled before 2015 except for items 4 and 5 (one work plan). The work plans must provide descriptions of the proposed activities in much greater detail than CB&I's previous submittals to avoid problems similar to those experienced over the past years. As John and Steve explained to you yesterday in our sidebar meeting, CB&I did not send anyone to our meeting yesterday morning that had direct experience with SVE; therefore, we should not make the assumption that something won't be missed in the field if we approve a vague work plan. Once the work is done, it's unlikely that we'll get another chance to collect the information.

1. Begin the process of obtaining an air permit based on an extraction rate of 3,600 lbs/hr in the event that it's necessary either in the short run or long run or both to eliminate delays in implementing the appropriate interim measures (discussed in the Wednesday morning meeting)
2. Packer and individual full screen extraction testing of extraction wells 106160 and 106161 – testing would include application of 100-in./H2O vacuum, measurement of volatiles, flow rates, vacuum and flow in surrounding wells (discussed in the Wednesday morning meeting)
3. Geophysical (gamma, induction, neutron) logging of existing wells 106024, 106061, 106078, 106119, 106148 and 106149 in preparation for drilling the five SVE wells planned for system expansion (discussed in the Wednesday morning meeting)
4. Drilling of the five SVE wells with collection of continuous core or coring of specific intervals and drilling 20 feet below the water table with continuous coring. (discussed in the Wednesday morning meeting)
5. Installation of the five SVE wells (nested wells) (discussed in the Wednesday morning meeting)
6. Geophysical logging of the deepest wells in SVE well nests NMED-SVE-3, NMED-SVE-4 and STU-SVE-5 completed just above the water table (discussed in the Wednesday morning meeting)
7. Design of a treatment system either located at the SVE extraction wellheads or configured to accept influent from multiple wells. Treatment at the wellhead (or a with differently designed conveyance system) eliminates the 25% LEL limitation issue raised by CB&I. (discussed in the Wednesday morning meeting)
8. Installation of the selected treatment system(s) (discussed in the Wednesday morning meeting)

I've been tied up today and haven't had the chance to ask for input internally yet and none of the items listed above were fully discussed in the Wednesday morning meeting. More items may be identified with further consideration which is why I wasn't prepared to agree to Adria's suggestion for CB&I to submit a work plan. We will need to have significant input on the contents of any work plan before the plan is approved.



Dave



Main HWB Phone: 505-476-6000
Direct Office Phone: 505-476-6055
Fax: 505-476-6030 or 505-476-6060