

TA - 005

Subject: Update on MCO-BT 4.4. Geochemical Data

Date: Tue, 24 Dec 2002 12:36:46 -0700

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John: I am passing on to you and Carolyn some analytical results from a sampling event at well MCO-BT 4.4. The well completion report for this well has been forwarded to DOE/OLASO late last week, and will be transmitted to you after the holidays. The report also includes this geochemistry information.

The following geochemistry data is from a sampling event conducted on June 28, 2002 at an intermediate perched zone well located in Mortandad Canyon at the confluence of Mortandad and Ten-Site Canyons, designated as MCOBT-4.4. (The intermediate perched zone well was installed by the ER Project during FY 01, and has a single screen set from 493 to 532 ft with the pump intake at 524 feet below ground surface. Duplicate samples were collected and analyzed with the following results:

Tritium 14,6000 +/- 253 and 14,900 +/- 256 pCi/L MCL=20,000 pCi/L
Perchlorate 0.178 and 0.179 mg/L EPA Proposed Health Advisory=0.004 mg/L
Nitrate plus Nitrite (as N) 12.5 and 12.5 mg/L MCL=10 mg/L

This data is similar to other geochemistry results for this part of Mortandad Canyon, and will be utilized to further refine RFI Workplan activities in the canyon during FY 03. Hope you both have a Merry Christmas! I look forward to working with you in 2003! Charlie



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