

INTEROFFICE CORRESPONDENCE

DATE APRIL 9, 1991
TO T GREENGARD
FROM Brook Wilson *etw*
SUBJECT OU-2 PHASE II RF/RI Field (Alluvial) EXPANDED DRILLING PROGRAM

The borehole sampling and monitor well program for the OU-2 Phase II RF/RI Field Activities (Alluvial) proposed in the December 1989 Workplan has been significantly expanded in the April 1990 Workplan to comply with EPA/CDH comments on the 1989 workplan. Two issues arise because of this expanded drilling program. These are described below.

The first issue is that this will severely impact the existing WCFS contract scope of work which is based on the drilling program described in the 1989 version of the OU-2 Phase RF/RI Workplan (Alluvial).

The 1989 workplan required that approximately 129 boreholes and wells would be located at 99 sites. The 1990 workplan requires an estimated 209 wells and boreholes at 122 sites to characterize both plumes and sources. The rationale for the additional boreholes and wells include the following:

- o Increased saturated thickness of alluvium in excess of 10 ft - 12 wells
- o Presence of subcropping sandstones in contact with alluvium -36 wells
boreholes and wells -13 each
wells only -23 each
- o Sampling in the weathered bedrock claystones - 24 holes
- o Tracer testing at three sites - 15 wells

The second issue is that the IAG requirements have been exceeded. The drilling program described in the August 20, 1990 IAG requires 45 boreholes and 138 wells. The OU-2 Phase II RF/RI Workplan for Alluvium was available at the time of preparation of the OU-2 portion of the IAG. However, the IAG I lacks considerable detail compared to the 1991 workplan.

The 1991 version of the Workplan (Revision One) has increased the required number of wells beyond the IAG (August 1990) scope for the same rationale as described above. The 1991 Workplan discussed in detail the new bedrock configuration and hydrogeology. This was used to rework the drilling program.

- o Boreholes- changed from 45 to 46 each
- o Wells- changed from 138 to 148 each

ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCNI

By F J Curran
Date 4-16-91

The existing IAG schedules and OU-2 ADS budgets have no provision for this expanded scope of work to the existing OU-2 Phase II RFI/RI Alluvial field program activities

This information has been brought to the attention of DOE-ER staff at the OU-2 kickoff meeting on 11 December 1990 and at various meetings since

Distribution
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