

INTEROFFICE CORRESPONDENCE

DATE: May 15, 1995

TO: Distribution

FROM: R. G. Smith, Jr., Field Operations Management, Bldg. 080, X8705 *165*

SUBJECT: TRANSMITTAL OF THE FINAL 1995 HYDROGEOLOGIC CHARACTERIZATION REPORT FOR THE ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE, VOLUME II OF THE SITEWIDE GEOSCIENCE CHARACTERIZATION STUDY - RGS-007-95

DOE Order: 5400.1

Action: None required.

This letter serves to transmit your copy of the final Hydrogeologic Characterization Report completed in May 1995. The report and appendices comprise the second and final volume of the three volume Sitewide Geoscience Characterization Study series initiated in 1994. This effort, together with the other two volumes in the series and the 1993 Well Evaluation Report, represents the first comprehensive site-wide hydrogeological assessment of the Rocky Flats Site in almost 10 years.

The report contains a regional and site-wide presentation of physical hydrogeologic data gathered from an extensive compilation, review, and interpretation of relevant historical and contemporary records, data, and published reports. The report is intended to provide an up-to-date conceptual model with data summaries for application to Operable Unit investigations, geotechnical engineering studies, and other projects which potentially deal with groundwater occurrence, movement and distribution. The report includes an executive summary; chapters on previous hydrogeologic studies, environmental setting of the plant, regional hydrogeology, sitewide groundwater programs, hydrogeology of the Rocky Flats Site, and recommendations for additional groundwater studies; and numerous appendices.

Highlights of the report include new graphical presentations of:

- 1) aquifer potentiometric surface
- 2) saturated thickness
- 3) depth to water
- 4) impermeable surface areas
- 5) seep locations
- 6) aquifer pump and slug test locations
- 7) off-site permitted well locations, and
- 8) groundwater diversion/extraction systems



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SW-A-004193

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In addition, well hydrographs, validation of historical aquifer test results, and a complete summary of hydraulic test values is presented with a statistical summary by lithologic unit type.

Please do not hesitate to contact me to request additional copies of the report. All Operable Unit managers should receive two copies of the report during this initial distribution.

RGS:bk

Enclosure:
As Stated

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