


EG&G ROCKY FLATS
INTEROFFICE CORRESPONDENCE

DATE: January 9, 1995

TO: Distribution

FROM: M. A. Siders, Industrial Area OU Closures/D&D Team, Bldg. 080, X6933 *MS*

SUBJECT: DISTRIBUTION OF THE 1994 GROUNDWATER GEOCHEMISTRY REPORT
(VOLUME III OF THE SITEWIDE GEOSCIENCES CHARACTERIZATION
STUDY) - MAS-001-95

DOE Order: 4700.1

Action: OU Managers will receive two copies and should distribute one to their primary subcontractor

This letter accompanies distribution of the 1994 Groundwater Geochemistry Report. This report presents an evaluation of chemical data for all groundwater samples collected sitewide at the Rocky Flats Environmental Technology Site, (RFETS) during the period of January 1, 1990 through the first quarter of 1994. In total, more than 350,000 records from the Rocky Flats Environmental Database System (RFEDS) were evaluated.

The report includes an executive summary, introductory section, summary sections on the geology and hydrogeology of the Rocky Flats site, spatial and temporal evaluations of groundwater chemistry using statistical and graphical techniques, presentation and interpretation of environmental-isotope (oxygen-18, deuterium, and tritium) data, discussion and evaluation of the results from the first application of geochemical modeling of groundwater at the Rocky Flats site, and an overall summary with recommendations for future work.

Appendices include:

- * Evaluation of Data Types and Data Quality
- * Sitewide Summary Statistics for Inorganic Analytes in Groundwater
- * Sitewide Summary Statistics for Organic Compounds in Groundwater
- * Representative Stiff Plots for Groundwater (by Location)
- * Time-series Plots for Selected Wells
- * Output from Geostatistical Analysis
- * Isotopic Compositions of Sitewide Groundwater
- * Examples of Output from WATEQF and NETPATH Geochemical Modeling
- * Groundwater Contamination at Superfund Sites: A Literature Survey

Please feel free to contact me with any questions you may have regarding the report or the data used to generate the report. Also contact me to request additional copies of the report. All OU managers should receive two copies of the report during this initial distribution.

Volume I (Geological Characterization Report) and Volume II (Hydrogeologic Characterization Report) of the Geosciences Sitewide Characterization Study will be released in the upcoming months.

If you have any questions regarding this issue, please contact M. A. Siders at extension 6933.

MAS:mm

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