



IN REPLY REFER TO:

# United States Department of the Interior

U.S. GEOLOGICAL SURVEY

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Denver Federal Center

Denver, Colorado 80225

## **NATIONAL WATER QUALITY LABORATORY TECHNICAL MEMORANDUM 1995.11**

September 6, 1995

To: Assistant Chief Hydrologist for Technical Support  
Regional Hydrologists  
Chief, Office of Water Quality  
Assistant Chief, Office of Water Quality  
Acting Chief, NAWQA  
Area Hydrologists  
District Chiefs  
Regional Water-Quality Specialists  
Assistant Regional Hydrologists for NAWQA  
District Water-Quality Specialists  
Chiefs, NAWQA Study-Units  
Chief, Ocala Project Office  
Chief, Yucca Mountain HIP  
QA Manager, Yucca Mountain Project  
Chief, Branch of Technical Development & Quality Systems  
Employees, National Water Quality Laboratory

From: Peter F. Rogerson, Chief  
National Water Quality Laboratory  
Branch of Analytical Services

Subject: Submission of samples for analysis by the NRP Isotope Tracers Project in Menlo Park

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Revision: None

### **SCOPE**

Changes have been made by the National Water Quality Laboratory (NWQL) and the National Research Program (NRP) in Menlo Park concerning the submission of samples and the price structure for tritium analyses. These new arrangements will result in considerable savings of both time and money for the Districts.

Effective September 9, 1995, all tritium samples to be analyzed by the IsotopeTracers Project laboratory are to be sent directly to U.S. Geological Survey, Water Resources Division, Attn: Bob Michel, MS 434, 345 Middlefield Road, Menlo Park, California, 94025. The Analytical Services Request (ASR) forms are to be sent with the samples. After logging in the samples in Menlo Park, copies of the ASR forms will be sent to the NWQL. Districts that ship their samples in coolers will have the cost of returning their coolers charged to their account. Any samples sent to the incorrect lab will be forwarded to the correct lab. The cost for this shipping will be charged to the District.

The NWQL will continue to process billings, report results, and administer an external QA program for these tritium analyses. Billing and data reporting will be done in the same manner as for all other samples the NWQL receives.

All requests for reruns and all questions pertaining to analytical and/or sampling procedures are to be sent to the Isotope Tracer Project in Menlo Park. Likewise, requests for sample bottles for tritium are to be directed to the Isotope Tracers Project. These bottles will be furnished free to the Districts and will have undergone the quality control (QC) procedure by the Isotope Tracer Project in Menlo Park. The geomail user ID "TRITIUM" has been set up at NRP to receive all correspondence.

The arrangement described above applies only to the tritium analyses provided by the NRP laboratory in Menlo Park. Tritium samples to be analyzed by the University of Miami Laboratory still should be sent through the NWQL. Analytical service requests for determinations at the University of Miami should identify the appropriate lab codes; questions regarding these samples should still be directed to Ann Mullin at the NWQL. (Please refer to NWQL Technical Memorandum 95-07 regarding changes that were implemented in June concerning prices and sample submission for analyses made by the NRP laboratory in Reston.)

## **Tritium**

Lab Code 452

Tritium, WWR, liquid scintillation, MDL 26 pCi/L

Lab Code 460

Tritium, WWR, electrolytic enrichment, liquid scintillation, MDL 5.7 pCi/L

Lab Code 624

Tritium, WWR, electrolytic enrichment, liquid scintillation, MDL 2.5 pCi/L

Lab Code 1565

Tritium, WWR, electrolytic enrichment, liquid scintillation, MDL 1 pCi/L

Any questions pertaining to the changes outlined above should be addressed to Tom Maloney (TMALONEY) or Carol Kendall (CKENDALL).

Impact on Database: None

Supersedes: None

Key Words: Tritium