



IN REPLY REFER TO:

United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Box 25046 M.S. 407

Denver Federal Center

Denver, Colorado 80225

NATIONAL WATER QUALITY LABORATORY TECHNICAL MEMORANDUM 1992.05

August 12, 1992

To: Assistant Chief Hydrologist, PC&TS
Regional Hydrologists
Chief, Office of Water Quality
Assistant Chief, Office of Water Quality
Deputy ACH for PC&TS for NAWQA
Area Assistant Regional Hydrologists
District Chiefs
Regional Water-Quality Specialists
Area Assistant Regional Hydrologists for NAWQA
District Water-Quality Specialists
Chiefs, NAWQA Study-Units
Chief, Ocala Project Office
Chief, Yucca Mtn. QA Group
Employees, National Water Quality Laboratory

From: Chief, National Water Quality Laboratory

Subject: New Nitrogen-15/Nitrogen-14 Lab Codes

Author: Ann Mullin

Revision: No

At present, there are only two lab codes in the National Water Quality Laboratory (NWQL) database for N-15/N-14 analyses, #1204 N-15/N-14 solid sample and #995 N-15/N-14 aqueous sample.

These lab codes do not distinguish whether the ratio is based on NO₃ or NH₄. This not only omits important information in the database for future reference, but also causes a problem is a District requests both ratios and only one result can be entered.

To solve this problem, we are going to invalidate lab code 995 and replace it with two lab codes-- #1717 N-15/N-14 aqueous based on NH₄ and #1718 N-15/N-14 aqueous based on NO₃.

Likewise, we are going to invalidate lab code 1204 and replace it with two lab codes--#1719 N-15/N-14 solid based on NH₄ and #1720 N-15/N-14 solid based on NO₃.

These changes will become effective as of the date of this memorandum.

/signed/

Peter F. Rogerson

Key Words.- Nitrogen

Distribution.- See above plus QWTALK