

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
5441	Gilmore	NYE	Qarc	NYE	7SC	NC-EWDP-7SC Water Geochemistry Data Analyzed by NEL Laboratories

Doc. Date 1/10/2003 **General Doc. Type** QA PROGRAM DOC **Keyword2** H2O
Entry Date 1/13/2003 **Detailed Doc. Type** DATA **Keyword3** ANALYSES

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Data Originator Preparer Kathy Gilmore

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Title of Data NC-EWDP-7SC Water Geochemistry Data Analyzed by NEL Laboratories

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Description of Data Water geochemistry data from water obtained 9/13/02 and 10/03/02 during EWDP-7SC sampling events. A water sample was not collected from the lowest well screen (zone 4) in NC-EWDP-7SC because it produced water too slowly to support pumping with a submersible pump. A low flow rate Bennett pump will be used instead of a submersible pump to sample this zone during the next scheduled sampling session. Data is included for the following water samples: GWS 0028 - 7SC zone 1; GWS 0027 - 7SC zone 2; GWS 0030 - 7SC zone 3; and GWS 0032 pump rinsate collected at 7SC.

Included in the data package: case narrative, analytical results direct from database, original transfer of custody form, analytical QC summary report, and processed data in excel format

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Data Collection Method Groundwater was pumped to the ground surface with a submersible impeller pump. The well was purged and samples collected, processed, bottled, and shipped to the testing laboratory following standard methods documented in Nye County QA technical procedure TP-8.1. Groundwater samples were analyzed by NEL Laboratories using EPA procedures listed in the attached analytical results database report.

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Data Location(s) NC-EWDP-7SC

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Data Collection Period(s) 9/13/02 to 10/3/02

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Data Source(s) NEL Laboratories, Las Vegas, NV. Refer to RID 5196 for field chemistry parameters.

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Data Censuring GWS 0032 pump rinsate collected at 7SC censored because rinses were performed using Garlic Well water (potable water) rather than deionized water. Consequently, rinsate samples have Garlic Well chemistry and analytical results are inconclusive regarding contamination from the pump/hose system.

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Data Processing NEL processed data from database into excel spreadsheets which included the following limits: instrument detection, method detection and reporting.

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Data Limitations With several exceptions, analytical results for all chemical parameters of concern in all laboratory QC samples (method blanks, laboratory control spikes, laboratory control spike duplicates, matrix spikes, and matrix spike duplicates) met standard laboratory QC specifications. The exceptions for QC samples associated with GWS 0027, GWS 0028, and GWS 0032 were as follows: recovery limits were not met for lithium in a single laboratory control spike sample and for nitrate in a single matrix spike sample. The exceptions for QC samples associated with GWS 0032 were as follows: aluminum did not meet recovery limits in a single laboratory control spike and a single matrix spike duplicate, and lithium did not meet recovery limits in a single matrix spike sample.

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Governing QA Docs. TP-8.1, Rev 2

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Frequency of Transmittal As required by PI

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Direct Questions About Data To- Nye County QA Records Center

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