

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
6631	Buqo	T. S. Buqo, Consulting Hydrogeologist, Inc.	QARC	Nye	1DX, 1S,	EWDP Manual Water Level Measurements through February 2005

Doc. Date 5/26/2005 General Doc. Type QA Program Doc Keyword2 MWL

Entry Date 6/6/2005 Detailed Doc. Type Data Packet Keyword3 data

Data Originator Preparer Tom Buqo, Bob Wilcoxon

Title of Data EWDP Manual Water Level Measurements through February 2005

Description of Data Data package includes Nye County's Regional Groundwater Elevation Database (RGED V. 3.9.mdb) containing EWDP manual water level measurements through February 2005, field forms, hydrographs and exported data from database: "Export EWDP QA Data 0205.xls". This data supplements the previous data package (RID 6360) which included water level measurements through June 2004. Water level data recorded after February 2005 is also shown in the RGED V 3.9.mdb. This data will be addressed in the next scheduled biannual data package submittal.

Data Collection Method NWRPO calibrated electric water level sounders in accordance with Work Plan 10 Rev. 0, Groundwater Level Monitoring and Evaluation, dated 8/20/03.

Data Location(s) EWDP Wells NC-EWDP-1DX, -1S, -3D, -3S, -9SX, Washburn-1X, -12PA, -12PB, -12PC, -15P, -19P, -4PA, -4PB, -5SB, -7S, -7SC, -10P, -18P, -19IM1, -22PA, -22PB, -23P, -16P, -19PB, -24P, -27P, -28P, -29P

Data Collection Period(s) July 2004 to February 2005

Data Source(s) 1) M&O derived latitude, and longitude for well location and elevation data for well pad elevation ; 2) Depth to groundwater measured with electric water level sounders as recorded either in the Scientific Notebook (SNB) dedicated to each well, EWDP Groundwater Level SNB, EWDP Westbay Instrumented Wells SNB, or as recorded on the NWRPO Water Level Measurement Field Form (Form TP-9.9-1 Rev 0, dated 9/4/03); 3) NWRPO approved Well Completion Diagrams for each EWDP well for casing type, diameter, and measuring point stickup (as established with engineers steel tape and recorded in Scientific Notebook).

See metadata for prior submittals of manual water level measurements in EWDP wells (RID 6360).

Data Censoring No data included with this submittal were censored.

Data Processing Data processing is limited to calculations made in the MS Access database (RGED V.3.9.mdb) and exports made from the database to MS Excel.

Data Limitations This metadata is only for the periods July 2004 to February 2005. RID 6360 needs to be used for previous time periods. The water-level elevations presented must be considered approximate because of the potential error in the GPS-based elevation of the land surface at the well site which is believed to be on the order of +/- 1.75 ft. according to work performed by the Center for Nuclear Waste Regulatory Analyses. The potential error in the GPS-based elevations does not affect the depth to water nor the absolute change in water levels over time that may be calculated using the elevation datum for land surface. The potential error may, however, result in limitations in the use of these data for the calculation of hydraulic gradients between wells with the error induced in such calculations being inversely proportional to the distance between the two wells being used to perform the calculation.

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Governing QA Docs. WP-10 Rev. 0, TP-9.9 Rev. 3

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Frequency of Transmittal Biannually or more frequently as determined by the Principal Investigator and approved by the On-Site Geotechnical Representative.

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Direct Questions About Data To- Nye County QA Records Center