

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
7044	Buqo	T. S. Buqo, Consulting	QARC	Nye	1DX, 1S,	EWDP Manual Water Level Measurements through February 2006
Doc. Date	8/16/2006	General Doc. Type	QA Program Doc	Keyword2	MWL	
Entry Date	10/4/2006	Detailed Doc. Type	Data Packet	Keyword3	data	
Data Originator Preparer	Tom Buqo, Bob Wilcoxon					
Title of Data	EWDP Manual Water Level Measurements through February 2006					
Description of Data	Data package includes Nye County's Regional Groundwater Elevation Database (RGED V. 4.0.mdb) containing EWDP manual water level measurements through February 2006, field forms, hydrographs (available for review upon request), and exported data from database: "Export EWDP QA Data 0206.xls". This data supplements the previous data package (RID 6631) which included water level measurements through February 2005. Water level data recorded after February 2006 is also shown in the RGED V. 4.0 mdb. This data will be addressed in the next scheduled annual 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.					
Data Location(s)	NC-EWDP-1DX, -1S, -3D, -3S, -9SX, -Washburn-1X, -12PA, -12PB, -12PC, -15P, -19P, -4PB, -5SB, -7S, -10P, -10S, -18P, -19IM1, -19PB, -23P, -16P, -24P, -27P, -28P, -29P, -13P					
Data Collection Period(s)	March 2005 to February 2006					
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). Supporting Data Metadata for prior submittals of manual water level measurements in EWDP wells (RIDs 6631 and 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.4.0 mdb) and exports made from the database to MS Excel.					

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
		T. S. Buqo, Consulting	QARC			EWDP Manual Water Level Measurements through February 2006

Data Limitations 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. Four water level measurements at NC-EWDP-1DX (Deep) were impacted by well development on 9/27/05 and 9/28/05 and water sampling on 9/29/05. These measurements were made on 10/10/05, 11/09/05, 12/07/05, 12/07/05, and 1/21/06. The well had recovered by the time the next water level measurement was made on 4/19/06. Annual data package submittal instead of semiannual submittal was approved by PI and OSGR.

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

Frequency of Transmittal Biannually or as required by PI and approved by OSGR

Direct Questions About Data To- NWRPO QA Records Center