

# Technical Data Information Report

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7857.00	Howard	Nye County NWRPO	QARC	Nye County NWRPO	Final

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Entry Date	1/11/2011	Detail Document Type	Technical Report	Keyword 3	2002-2006
Document Title/Subject	Nye County Nuclear Waste Repository Project Office Independent Scientific Investigations Program Final Report, Fiscal Years 2002-2006 (5 Year report), NWRPO-2010-01.				
Data Originator/Preparer	NWRPO Technical Staff				
Data Description	This record contains a CD and a hard copy of the subject report describing the scope, methods, and results of Nye County's Early Warning Drilling Program (EWDP); including drilling, geologic sampling and testing, geologic characterization, water level monitoring, groundwater chemistry, aquifer and tracer testing, and ventilation related modeling studies for Fiscal Years 2002-2006 conducted under the Independent Scientific Investigations Program (ISIP). Also included in the package is the Technical Review form. Report is posted to the NWRPO website as rid7857.zip.				
Data Collection Method	The scientific data generated during the course of the ISIP have been collected under the Nye County NWRPO Quality Assurance (QA) Program. More specifically, ISIP data have been gathered under the constraints and controls of the NWRPO Quality Assurance Program Plan (QAPP). The QA Program is based on the interpretation of federal regulations and industry standards (10 CFR Part 50, Appendix B; ANSI/ASME NQA-1) for nuclear power plants, Most of the data was generated from various wells located in the southwest corner of the Nevada National Security Site (formerly the Nevada Test Site), the northern part of the Amargosa Desert near U.S. Highway 95, Amargosa Valley, and Pahrump Valley. Ventilation modeling was performed by the University of Nevada, Reno.				
Data Collection Location					
Data Collection Period	Fiscal 2002 through Fiscal 2006				
Data Sources	Reports submitted by Principal Investigators in addition to EWDP drilling and hydrogeology related data are incorporated into the subject report as noted in the above description of the submitted record. In addition, the Nye County Drilling Database (Record Index Designator (RID) 7722) contains all EWDP geologic logging data contained in or referenced in the subject report. Supporting Data: References to RIDs containing supporting hydrogeology original data collected from EWDP Phase I and II boreholes can be found on the nyecounty.com website. Supporting hydrogeologic data from EWDP Phase III can be found in the technical report titled "Nye County Drilling, Geologic Sampling and Testing, Logging, and Well Completion Report for the Early Warning Drilling Program Phase III Boreholes, NWRPO-2002-04", (RID 5579). Data for Phase IV boreholes can be found in the technical report titled "Nye County Early Warning Drilling Program, Phase IV Drilling Report, NWRPO-2004-04", (RID 6801), Data for Phase V boreholes can be found in the technical report titled "Nye County Early Warning Drilling Program, Phase V Drilling Report, NWRPO-2009-02" (RID 7668).				
Data Censoring	Geologic data that were compromised or biased as a result of sampling, testing, and/or handling, or are shown to be unacceptably inaccurate field estimates, have been identified in each phase of drilling. Borehole geophysical logging data that exhibit unacceptable noise and/or do not respond to known formation conditions as advertised have also been identified. These geologic and geophysical data have been censored and will not be published by Nye County. However, these data may be viewed in their entirety at the NWRPO QA Records Center in Pahrump, NV. A summary of these censored data and other unreliable data is included in censored data tables for Phases III, IV, and V in NWRPO (2003a), NWRPO (2005a), and NWRPO (2009), respectively.				
Data Processing	Data processing to support data analysis is described for different data types primarily in the summary section (Section 9) of the subject report.				

Data Limitations

Limitations for different data types are discussed in the subject report primarily in Sections 2 and 9. Many of the limitations primarily result from the disturbing effects of drilling on hydraulic related properties of cuttings samples collected from unsaturated alluvial sediments. These limitations are detailed in the metadata for RIDs containing the original geologic logging data for EWDP boreholes.

Governing QA Docs:

WP-4, WP-6, WP-8, TP-7.0, TP-8.0, TP-8.1, TP-9.0, TP-9.2, TP-9.9, TP-10.0, TPN-9.1, TPN-9.2, TPN-9.3, TPN-9.4, and TPN-9.5.

Frequency of Transmittal

One time only.

Direct Questions  
About Data To:

NWRPO QA Records Center