

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
7478.00	Kryder	NWRPO	QARC	Nye	mdl	Annual Ventilation Modeling Letter Report for April 1, 2007 to March 31, 2008
Doc. Date	6/24/2008	General Doc. Type	QA Program Doc	Keyword2	vent	
Entry Date	7/17/2008	Detailed Doc. Type	Annual Report	Keyword3	flow	
Data Originator Preparer	George Danko					
Title of Data	Annual Ventilation Modeling Letter Report for April 1, 2007 to March 31, 2008					
Description of Data	The work presented in this annual report is a continuation of model tasks conducted in the previous grant year (April 1, 2006 to March 31, 2007).					
Data Collection Method	MULTIFLUX, a fully coupled, thermal-hydrologic-ventilation model and software code was used to study the flow of heat, moisture, and air in a conceptual design of a high-level underground nuclear waste repository at Yucca Mountain, NV.					
Data Location(s)	MULTIFLUX was configured to simulate ventilation in the Department of Energy's conceptual repository design, according to the BSC (Bechtel SAIC Company), 2004b, "Multiscale Thermohydrologic Model ," prepared by Bechtel SAIC Company, LLC. ANL-EBS-MD-000049 REV 01. Yucca Mountain Project, Las Vegas, Nevada.					
Data Collection Period(s)	4/1/07 to 3/31/08					
Data Source(s)	The calculations are based on the input configuration for the conceptual repository design and the input data used by BSC, 2004b. "Multiscale Thermohydrologic Model ," prepared by BSC, LLC. ANL-EBS-MD-000049 REV 01. Yucca Mountain Project, Las Vegas, Nevada. Supporting Data: monthly progress reports.					
Data Censoring	None					
Data Processing	Numerical Transport Code Functionalization (NTCF) procedure for the in-rock, and a lumped-parameter CFD (Computational Fluid Dynamics) model for the in-drift processes are used in MULTIFLUX to describe the relevant processes in and around an emplacement drift.					
Data Limitations	Assumptions are stated in the description of each numerical modeling task included in the report. The use of results must be limited to the conditions stated in the report. The results must be used within the scope of the assumptions.					
Governing QA Docs.	QAP-3.2 Rev 2					
Frequency of Transmittal	Annually					
Direct Questions About Data To-	NWRPO QA Records Center					