This record contains electronic and hard copies of the subject report. The report describes the procedures, methodology, and results of two single-well push/pull and five cross-hole forced-gradient tracer tests conducted at NC-EWDP-Site 22 from November 2004 through October 2005. The purpose of the tracer testing was to better understand the transport properties of the saturated alluvium along the potential flow path between Yucca Mountain and Amargosa Valley.

Each tracer test was conducted according to the appropriate QA test plans (TPN-9.2, TPN-9.3, and TPN-9.4). Westbay pressure and temperature data were collected according to Technical Procedure TP-9.2.

Westbay pressure data in RIDs 6713 and 6785; Tracer Testing scientific notebooks 164 (RID 6704) and 166 (RID 7322).

Supporting Data: Aquifer test reports for Site 22: Preliminary Analysis of Pump-Spinner Tests and Pump Test in Well NC-EWDP-22 (RID 5478) and Analysis of Aquifer Pump Tests in Individual Well Zones at Site 22 near Yucca Mountain, Nevada (RID 6453).

Numerical modeling methods are described in Section 5 of the report. Assumptions and calibration procedures are discussed in Sections 3.3 and 5.6, respectively.

WP-9 Rev 0, TP-9.2 Rev 2, TPN-9.2 Rev 0, TPN-9.3 Rev 0, and TPN-9.4 Rev 0.

Direct Questions About Data To:
NWRPO QA Records Center