0 1 ¢. 0.8 0.4 0.6 Mg Na + K *0*.0 0.4 *8*. 0.2 0 0.4 0.0 0.6 0 Ca NC-EWDP-1DX 🔘 NC-EWDP-5SB NC-EWDP-12PB UE-25 ONC#1 Х NC-EWDP-1S △ NC-EWDP-7S • NC-EWDP-12PC BGMW-13 +NC-EWDP-3S ♦ NC-EWDP-9SX NC-EWDP-15P # Ponderosa Dairy NC-EWDP-4PA ★ NC-EWDP-12PA < NC-EWDP-19P McCracken well ÷ × NC-EWDP-4PB

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Figure 4.1-15a Cation Ternary Piper Diagram for Early Warning Drilling Program Water Samples



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Figure 4.1-15b Anion Ternary Piper Diagram for Early Warning Drilling Program Water Samples



Figure 4.1-16a Sulfur Isotopes of Sulfate and Dissolved Sulfate Concentration for Selected Early Warning Drilling Program and Other Water Samples

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NOTE: Legend is the same as in Figure 4.1-16a.

Figure 4.1-16b

Stable Carbon Isotopes of Bicarbonate and Dissolved Bicarbonate Concentration for Selected Early Warning Drilling Program Water Samples



Figure 4.1-17 Stable Isotopes of Water for Selected Early Warning Drilling Program and Other Water Samples



NOTE: MSL = mean sea level

Figure 4.1-18 Water Level Variations in NC-EWDP-9SX for Various Time Periods



Figure 4.1-19 Trace Element Distribution, NC-EWDP-19D



Figure 4.1-20 Watershed/Hydrographic Basin Boundaries



Figure 4.1-21 Recharge to and Discharge from Amargosa Desert



Figure 4.1-22 Preliminary Hydrogeologic Conceptual Model of Amargosa Desert



Source: Based primarily on Burbey (1997), Stewart (1980), and DOE (1998)

Figure 4.1-23 Summary Geologic History of the Evolution of Hydrostratigraphic Units of the Amargosa Desert