

Table 1-1
Summary of Nuclear Waste Repository Project Office (NWRPO) Groundwater Chemistry Sampling and Analysis for 1994 through 2002

Well/Borehole	Private Well (Yes/No)	Sampling Date	Sampling Interval (feet)	Sample Type			Analysis									Comments
				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
Amargosa Valley School	Yes	3/11/2000	Unknown			X					X					Pressurized water supply tank
Bond Gold Mining Well 13	Yes	7/19/1999	1005+			X	X	X	X	X	X	X	X	X	X	Submersible centrifugal pump
McCracken Well	Yes	6/19/2000	100-170			X	X	X	X		X	X		X	X	Submersible centrifugal pump
NC-EWDP-12PA	No	3/22/2000	177.1	X			X	X			X					Bailing
NC-EWDP-12PA	No	5/22/2000	325-384			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-12PA	No	10/25/2000	325-384			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-12PB	No	5/22/2000	325-385			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-12PB	No	10/25/2000	325-385			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-12PC	No	5/22/2000	170-230			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-12PC	No	10/25/2000	170-230			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-15P	No	2/27/2000	210		X		X	X			X					Bailing
NC-EWDP-15P	No	5/23/2000	200-260			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-15P	No	10/26/2000	200-260			X	X	X	X	X	X	X	X	X	X	Bennett pump

Table 1-1 (continued)
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				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-19D	No	5/13/2000	7 zones			X	X	X	X	X	X	X	X	X	X	Submersible centrifugal pump
NC-EWDP-19P	No	3/10/2000	366.4	X			X	X			X					Bailing
NC-EWDP-19P	No	5/23/2000	359-459			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-1DX	No	12/12/1998	70	X			X	X								Bailed, water level at 70 feet.
NC-EWDP-1DX	No	12/12/1998	240	X			X	X	X	X						Air-lifted from 240 feet.
NC-EWDP-1DX	No	5/24/1999	2160-2240			X	X	X	X	X	X	X	X	X	X	Bennett pump at 210 feet.
NC-EWDP-1DX	No	5/24/1999	2160-2240			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-1DX	No	5/25/2000	2160-2240			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-1S	No	1/27/1999	60	X			X	X	X	X		X				Bailed 3 times
NC-EWDP-1S	No	5/17/1999	210-270			X	X	X	X	X	X	X	X	X	X	Bennett pump set at 250 feet
NC-EWDP-1S	No	5/17/1999	160-180			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-1S	No	5/18/1999	160-180			X	X	X	X	X	X	X	X	X	X	Bennett pump at 150-160 feet
NC-EWDP-1S	No	11/8/1999	210-270			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-1S	No	11/8/1999	160-180			X	X	X	X	X	X	X	X	X	X	Bennett pump

Table 1-1 (continued)
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				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-1S	No	5/18/2000	210-270			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-1S	No	5/19/2000	160-180			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-2D	No	1/14/1999	312	X			X	X	X	X		X				Bailed, water level at 312 feet
NC-EWDP-3D	No	1/24/1999	240	X			X	X	X			X				USGS collected 1/23/99, bailed
NC-EWDP-3D	No	1/24/1999	240	X			X									Duplicate
NC-EWDP-3D	No	2/17/1999	323		X		X	X	X	X		X				Submersible centrifugal pump in casing at 323 feet
NC-EWDP-3D	No	2/17/1999	323		X		X									Duplicate
NC-EWDP-3S	No	5/20/1999	478-520			X	X	X	X	X	X	X	X	X	X	Bennett pump at 450 feet
NC-EWDP-3S	No	5/20/1999	338-420			X	X	X	X	X	X	X	X	X	X	Bennett pump at 390 feet
NC-EWDP-3S	No	11/15/1999	478-520			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-3S	No	11/15/1999	338-420			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-3S	No	5/17/2000	478-520			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PA	No	1/9/2000	398-429	X			X	X	X		X	X				Bailed
NC-EWDP-4PA	No	2/23/2000	405-485		X		X	X			X					Stainless steel logging bailer

Table 1-1 (continued)
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				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-4PA	No	3/2/2000	405-485			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PA	No	5/15/2000	405-485			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PA	No	10/26/2000	405-485			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PB	No	2/23/2000	740-839		X		X	X			X					Stainless steel logging bailer
NC-EWDP-4PB	No	3/2/2000	740-839			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PB	No	5/16/2000	740-839			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PB	No	5/26/2000	740-839			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-4PB	No	10/26/2000	740-839			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-5S	No	2/8/1999	378	X			X	X	X	X		X		X		Bailed
NC-EWDP-5SB	No	5/16/2000	379-489			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-5SB	No	5/17/2000	379-489			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-5SB	No	5/17/2000	379-489			X	X	X	X	X	X	X	X	X	X	Duplicate sample for tritium
NC-EWDP-5SB	No	10/23/2000	379-489			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-7S	No	2/25/2000	21		X		X	X			X					Bailed

Table 1-1 (continued)
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Well/Borehole	Private Well (Yes/No)	Sampling Date	Sampling Interval (feet)	Sample Type			Analysis									Comments
				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-7S	No	10/24/2000	28-40			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	12/12/1998	99	X			X	X	X			X				Bailed, from about 100 feet
NC-EWDP-9SX	No	1/15/1999	132		X		X	X	X	X		X		X	X	Submersible centrifugal pump during spinner test, open hole
NC-EWDP-9SX	No	5/18/1999	330-340			X	X	X	X	X	X	X	X	X	X	Bennett pump at 310.2 feet
NC-EWDP-9SX	No	5/19/1999	250-290			X	X	X	X	X	X	X	X	X	X	Bennett pump at 270.4 feet
NC-EWDP-9SX	No	5/19/1999	140-160			X	X	X	X	X	X	X	X	X	X	Bennett pump at 150 feet
NC-EWDP-9SX	No	5/19/1999	90-120			X	X	X	X	X	X	X	X	X	X	Bennett pump at 111 feet
NC-EWDP-9SX	No	11/9/1999	330-340			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	11/9/1999	250-290			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	11/10/1999	140-160			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	11/10/1999	90-120			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	5/19/2000	330-340			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	5/19/2000	250-290			X	X	X	X	X	X	X	X	X	X	Bennett pump
NC-EWDP-9SX	No	5/20/2000	140-160			X	X	X	X	X	X	X	X	X	X	Bennett pump

Table 1-1 (continued)
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Well/Borehole	Private Well (Yes/No)	Sampling Date	Sampling Interval (feet)	Sample Type			Analysis									Comments
				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-9SX	No	5/20/2000	90-120			X	X	X	X	X	X	X	X	X	X	Bennett pump
Ponderosa Dairy	Yes	4/25/2000	350-400			X	X	X	X		X	X		X	X	Submersible centrifugal pump
UE#25-ONC#1	No	12/15/1994	1458	X			X	X				X				Teflon bailer, saturated zone
UE#25-ONC#1	No	12/22/1994	1428	X			X	X				X				Air-lifted, collected from cyclone
NC-EWDP-19IM	No	11/14/2001	410-430			X	X		X	X		X				Bennett pump
NC-EWDP-19IM1 (blind field duplicate)	No	11/14/2001	410-431			X	X		X	X		X				Bennett pump
NC-EWDP-19IM1	No	11/15/2001	515-535			X	X		X	X		X				Bennett pump
NC-EWDP-19IM1	No	11/15/2001	575-675			X	X		X	X		X				Bennett pump
NC-EWDP-19IM1	No	11/15/2001	725-785			X	X		X	X		X				Bennett pump
NC-EWDP-19IM1	No	11/15/2001	850-950			X	X		X	X		X				Bennett pump
J-13 Well	No	11/28/2001	996-3488			X	X		X	X		X				Submersible centrifugal pump
J-13 Well (blind field duplicate)	No	11/28/2001	996-3488			X	X		X	X		X				Submersible centrifugal pump
EWDP-10P (field blank)	No	8/27/2002	NA			X	X	X	X	X	X					Bennett pump
NC-EWDP-10P	No	8/27/2002	801-860			X	X	X	X	X	X	X				Bennett pump

Table 1-1 (continued)
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				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-10P	No	8/27/2002	660-699			X	X	X	X	X	X	X				Bennett pump
EWDP-10P (pump rinsate)	No	8/27/2002	NA			X	X	X	X		X					Bennett pump
NC-EWDP-10S	No	9/12/2002	660-700			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-10S	No	9/11/2002	800-860			X	X	X	X	X	X	X				Bennett pump
EWDP-10S (field blank)	No	9/12/2002	NA			X	X	X	X	X	X					Bennett pump
NC-EWDP-18P	No	8/26/2002	835-885			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22PA	No	8/28/2002	661-759			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22PA	No	8/28/2002	520-579			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22PA (blind field duplicate)	No	8/28/2002	520-579			X	X	X	X		X	X				Bennett pump
NC-EWDP-22PB	No	8/30/2002	1140-1179			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22PB	No	8/29/2002	881-979			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22S	No	9/11/2002	521-581			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22S	No	9/10/2002	661-760			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-22S	No	9/10/2002	880-980			X	X	X	X	X	X	X				Bennett pump

Table 1-1 (continued)
Summary of Nuclear Waste Repository Project Office (NWRPO) Groundwater Chemistry Sampling and Analysis for 1994 through 2002

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				First Water Encountered During Drilling	Pre-Development/ Purging	Post Well Development/Purging	Gross Chemistry	Field Electrode/Probe Measurements	Trace Elements	Tritium	Gross Alpha-Beta Activity	Stable Isotopic Ratio Analyses	Carbon 14 and TDIC	Unstable Isotopic Ratios	Chlorine-36/35 ratio	
NC-EWDP-22S (blind field duplicate)	No	9/10/2002	880-980			X	X	X	X		X	X				Bennett pump
NC-EWDP-22S	No	9/9/2002	1140-1180			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-23P	No	10/1/2002	650-689			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-7SC	No	9/13/2002	80-90			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-7SC	No	9/13/2002	180-210			X	X	X	X	X	X	X				Bennett pump
NC-EWDP-7SC	No	10/3/2002	270-370			X	X	X	X	X	X	X				Bennett pump
EWDP-7SC (pump rinsate)	No	9/13/2002	NA			X	X	X	X		X					Bennett pump

Table 2-1
Composition of Average Precipitation in the Kawich Range in Nevada

Species	Amount Present	
	Milligrams per Liter	Milliequivalents per Liter
Calcium	0.78	0.039
Magnesium	0.10	0.008
Sodium	0.55	0.024
Potassium	0.20	0.005
Silicon Dioxide	0.17	
Chloride	0.35	0.010
Sulfate	0.96	0.020
Nitrate	1.55	0.025
Hydrogen Carbonate	1.22	0.020
Fluoride	0.02	0.001

Source: Meijer, 2002

Table 4-1
Well Sampling Prioritization for the First Sampling Phase

Well/Borehole	Group I (First Priority)			Group II (Second Priority)	Group III (Third Priority)
	Not Sampled Previously	Data Quality Issues	Immediate Sampling Required	Sampled Only Once	Less than One Year Between Sampling Events
NC-EWDP-24P	X				
NC-EWDP-29P	X				
NC-EWDP-16P	X				
NC-EWDP-27P	X				
NC-EWDP-28P	X				
NC-EWDP-3S		X			
NC-EWDP-4PB		X			
NC-EWDP-23P		X			
NC-EWDP-22PA			X		
NC-EWDP-22PB			X		
NC-EWDP-22S			X		
NC-EWDP-7S				X	
NC-EWDP-7SC				X	
NC-EWDP-10P				X	
NC-EWDP-10S				X	
NC-EWDP-18P				X	
NC-EWDP-19D				X	
NC-EWDP-19P				X	
NC-EWDP-19IM1				X	
NC-EWDP-19IM2				X	
NC-EWDP-4PA					X
NC-EWDP-5SB					X
NC-EWDP-12PA					X
NC-EWDP-12PB					X
NC-EWDP-12PC					X
NC-EWDP-15P					X

Table 5-1
Nuclear Waste Repository Project Office and U.S. Geological Survey Charge Balance Results
from November 1999, May 2000, and October 2000 Sampling Sessions

Well Name	Charge Balance		Comments
	U.S. Geological Survey (USGS)	Nuclear Waste Repository Project Office (NWRPO)	
NC-EWDP-09SX	1%	5%	NWRPO potassium is high
NC-EWDP-01S Zone 1	14%	1%	USGS fluoride is low
NC-EWDP-01S Zone 2	6%	1%	
NC-EWDP-09SX Zone 1	8%	2%	
NC-EWDP-09SX Zone 3	20%	1%	USGS fluoride is high
NC-EWDP-09SX Zone 4	15%	2%	USGS fluoride is high
NC-EWDP-05SB	1%	2%	
NC-EWDP-7S	1%	3%	
NC-EWDP-12PA	6%	2%	
NC-EWDP-12PB	8%	4%	
NC-EWDP-12PC	0%	3%	
NC-EWDP-04PA	3%	1%	
NC-EWDP-15P	7%	2%	
Average Difference (+/-)	7%	2%	

Table 5-2
Percentage of Deviation from Electroneutral for Nuclear Waste Repository Project Office
Analytical Results from the 2002 Sampling Session

Well Name	Date	Deviation
NC-EWDP-10P (field blank)	8/27/2002	95%
NC-EWDP-10S (field blank)	9/12/2002	99%
J-13	11/28/2001	-1%
J-13 (blind field duplicate)	11/28/2001	-8%
NC-EWDP-10P, deep zone	8/27/2002	-2%
NC-EWDP-10P, shallow zone	8/27/2002	5%
NC-EWDP-10S, zone 1	9/12/2002	3%
NC-EWDP-10S, zone 2	9/11/2002	3%
NC-EWDP-18P	8/26/2002	0%
NC-EWDP-22PA, deep zone	8/28/2002	6%
NC-EWDP-22PA, shallow zone	8/28/2002	10%
NC-EWDP-22PA, shallow zone-(blind field duplicate)	8/28/2002	4%
NC-EWDP-22PB, deep zone	8/30/2002	10%
NC-EWDP-22PB, shallow zone	8/29/2002	6%
NC-EWDP-22S, zone 1	9/11/2002	3%
NC-EWDP-22S, zone 2	9/10/2002	-9%
NC-EWDP-22S, zone 3	9/10/2002	1%
NC-EWDP-22S, zone 3 (blind field duplicate)	9/10/2002	-2%
NC-EWDP-22S, zone 4	9/9/2002	8%
NC-EWDP-23P, deep zone	10/1/2002	12%
NC-EWDP-7SC, zone 1	9/13/2002	7%
NC-EWDP-7SC, zone 2	9/13/2002	8%
NC-EWDP-7SC, zone 3	10/3/2002	7%
EWDP-10P (pump rinsate)	8/27/2002	7%
EWDP-7SC (pump rinsate)	9/13/2002	15%

Table 5-3
Average Relative Percent Difference between
U.S. Geological Survey and Nuclear Waste Repository Project Office
Analytical Results for Samples Collected in 1998, 1999, and 2000 Sampling Sessions

Analyte	Unit	Absolute Average Variation (+/-)	Average Nuclear Waste Repository Project Office (NWRPO) Concentration
Aluminum	mg/L ^a	110%	0.01
Boron	mg/L	12%	0.25
Calcium	mg/L	7%	25.72
Chloride	mg/L	6%	12.61
Electrical Conductivity	µmhos/cm ^b	4%	570.41
Fluoride	mg/L	21%	1.79
Iron	mg/L	93%	0.81
Bicarbonate	mg/L	5%	247.21
Potassium	mg/L	16%	8.55
Lithium	mg/L	147%	0.12
Magnesium	mg/L	14%	10.41
Manganese	mg/L	137%	0.07
Molybdenum	mg/L	49%	0.01
Sodium	mg/L	5%	80.72
pH	pH units	5%	7.44
Silicon Dioxide	mg/L	10%	45.25
Sulfate	mg/L	6%	74.23
Strontium	mg/L	11%	0.26

^a Milligrams per liter.

^b Micromhos per centimeter.

Table 5-4
Relative Percent Differences in Blind Field Duplicate Analyses for 2001 and 2002 Sampling Sessions

Analyte Name	Relative Percent Difference (%)			Average Concentration (mg/L)
	NC-EWDP-22PA Shallow	NC-EWDP-22S Zone 3	J-13	
Alkalinity, Bicarbonate (As CaCO ₃)	0	0	NA	105
Alkalinity, Carbonate (As CaCO ₃)	NA	NA	NA	0
Alkalinity, Total (As CaCO ₃)	0	0	NA	105
Aluminum	200	200	-41	0.06
Antimony	NA	NA	NA	0.00
Arsenic	NA	NA	-6	0.01
Barium	6	6	7	0.02
Beryllium	NA	NA	NA	0.00
Boron	0	30	-164	0.24
Bromide	NA	NA	NA	0.00
Cadmium	NA	NA	NA	0.00
Calcium	7	5	0	18.80
Chloride	-14	4	19	12.33
Chromium	NA	NA	NA	0.00
Cobalt	NA	200	NA	0.00
Copper	60	73	NA	0.01
Fluoride	5	0	0	2.63
Hydroxide (As CaCO ₃)	NA	NA	NA	0.00
Iodine, as I	NA	-13	NA	0.02
Iron	-200	-17	-27	0.11
Lead	NA	NA	NA	0.00
Lithium	-2	2	NA	0.04
Magnesium	8	3	0	3.01
Manganese	75	9	0	0.03
Molybdenum	20	NA	-5	0.01
Nickel	NA	NA	NA	0.00
Nitrate, as N	0	0	-200	1.37
Nitrite, as N	NA	NA	NA	0.00
Orthophosphate, as P	-13	200	-8	0.02
pH	0	0	0	12.04
Potassium	2	4	3	6.60
Selenium	NA	NA	NA	0.00
Silver	NA	NA	NA	0.00
Sodium	-4	6	-3	80.50
Specific Conductivity	0	0	1	491.25
Sulfate	-136	0	4	24.10
Thallium	NA	NA	NA	0.00
Titanium	NA	200	NA	0.00
Total Dissolved Solids	-2	-9	0	352.50
Vanadium	200	NA	200	0.00
Zinc	-200	6	79	0.01

Table 5-5
Summary of Statistical Analysis of Selected Matrix Spike Recovery Data
from Nevada Environmental Laboratory

Analyte	Mean	Standard Deviation	99% Confidence Interval		Significantly Different from True Mean
			Lower Bound	Upper Bound	
Aluminum	112	14.4	101	122	yes
Arsenic	107	2.5	106	109	yes
Barium	101	4.7	98	104	no
Boron	97	3.7	95	99	yes
Calcium	97	6.9	93	102	no
Copper	100	4.9	97	103	no
Iron	102	4.8	99	105	no
Magnesium	98	2.6	97	100	no
Manganese	98	2.0	97	99	yes
Molybdenum	100	2.1	98	101	no
Potassium	88	11.1	82	95	yes
Sodium	100	10.9	93	106	no
Vanadium	100	1.3	100	101	no
Zinc	99	2.6	97	100	no
Lithium	114	5.5	111	118	yes
Bicarbonate	98	1.3	97	99	yes
Fluoride	104	4.4	102	107	yes
Bromine	98	3.8	97	99	yes
Chloride	96	5.3	95	98	yes
Nitrate	99	11.6	95	102	no
Sulfate	101	9.0	98	103	no
Silicon Dioxide	95	7.8	92	98	yes
Orthophosphate	100	3.1	98	102	no
Iodine	99	0.7	98	99	yes

Table 5-6
Recommendations for Censoring Nuclear Waste Repository Project Office (NWRPO) Data

Well Name	Data to be Censored	Sample Date	Record Identification Number(s)	Reason for Censoring
UE25-ONC#1	All	12/5/1994 and 12/22/1994	4384	First Water Samples
NC-EWDP-1DX	All	12/12/1998	4079 4385 4867	First Water Samples
NC-EWDP-1S	All	1/27/1999	4079 4385 4386	First Water Samples
NC-EWDP-2D	All	1/14/1999	4385 4867	First Water Samples
NC-EWDP-3D	All	1/24/1999 and 2/17/1999	4079 4386 4385 4867 4062	First Water Samples
NC-EWDP-3S	All	5/20/1999 11/15/1999 5/17/2000	4868 4869 4412 4902	Drilling Fluid and/or Grout Contamination From Nearby Borehole
NC-EWDP-4PA	All	1/9/2000 and 2/23/2000	4067 4413 4393	First Water Samples
NC-EWDP-4PB	All	10/26/2000	4405	Field and/or Lab Error
NC-EWDP-5S	All	2/8/1999	4416 4417 4387 4388 4096 4073 4075	First Water Samples
NC-EWDP-7S	All	2/25/2000	4070	Predevelopment Samples
NC-EWDP-9SX	All	12/12/1998	4079 4385	First Water Samples
NC-EWDP-9SX	All	1/15/1999	4867 4385 4074 4079 4386	Predevelopment Samples
NC-EWDP-12PA	All	3/22/2000	4415	First Water Samples

Table 5-6 (continued)
Recommendations for Censoring Nuclear Waste Repository Project Office (NWRPO) Data

Well Name	Data to be Censored	Sample Date	Record Identification Number(s)	Reason for Censoring
NC-EWDP-15P	All	2/27/2000	4070	Predevelopment Samples
NC-EWDP-19P	All	3/10/2000	4064	First Water Samples
NC-EWDP-22PA Shallow	Sulfate	8/28/2002	5438	Field and/or Lab Error
NC-EWDP-23P Deep	All	10/1/2002	5440	Drilling Fluid Contamination
NC-EWDP-1S, -1DX, -3S, -4PA, -4PB, -5SB, -7S, -9SX, -12PA, -12PB, -12PC, -15P, -19D, -19P	Lithium and Manganese	Various Dates in 2000	4080	Lab Error