Appendix A

HTH-2 Data and 2009 Well Survey Data

This page intentionally left blank

Table A−1 Groundwater Quality Data by Location

Groundwater Quality Data by Location (USEE100) FOR SITE CNT01, Central Nevada Test Area Site

REPORT DATE: 9/11/2009

Location: HTH-2 WELL

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	03/18/2008	N001	499.6	-	629.9	140			#		
Cesium-137	pCi/L	03/18/2008	N001	499.6	-	629.9	0	U		#	4.72	0
Dissolved Oxygen	mg/L	03/18/2008	N001	499.6	-	629.9	7.65			#		
Enriched Tritium	pCi/L	03/18/2008	N001	499.6	-	629.9	0		U	#	5.14	3.12
Oxidation Reduction Potential	mV	03/18/2008	N001	499.6	-	629.9	105			#		
pH	s.u.	03/18/2008	N001	499.6	-	629.9	7.67			#		
Specific Conductance	umhos/cm	03/18/2008	N001	499.6	-	629.9	340			#		
Temperature	C	03/18/2008	N001	499.6	-	629.9	18.8			#		
Tritium	pCi/L	03/18/2008	N001	499.6	-	629.9	-132	U		#	320	190
Tritium	pCi/L	03/18/2008	N001	499.6	-	629.9	-106		U	#	164	96.8
Turbidity	NTU	03/18/2008	N001	499.6	-	629.9	3.89			#		

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = Replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	Tentatively identified compound (TIC) is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: TIC.
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier; see case narrative.

DATA QUALIFIERS:

F	Low-flow sampling method used.	G	Possible grout contamination, pH > 9.J Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique. R Unusable result.
U	Parameter analyzed for but not detected.	X	Location is undefined.

QA QUALIFIER: # Validated according to quality assurance guidelines.

Table A−2. 2009 Survey Data

Location Identification	Northing (ft)	Easting (ft)	TOC Elevation (ft)
HTH-1LPZ	1411443.31	629718.73	6011.255
HTH-1UPZ	1411442.89	629718.87	6011.229
HTH-1RC	1411443.16	629718.99	6011.654
HTH-2	1411930.39	629586.68	6025.872
MV-1	1416702.83	631163.81	6070.538
MV-1LPZ	1416702.61	631164.11	6069.882
MV-1UPZ	1416702.37	631164.66	6069.943
MV-2	1412730.46	626547.51	6190.615
MV-2LPZ	1412730.75	626547.20	6190.345
MV-2UPZ	1412730.18	626548.47	6190.621
MV-3	1416558.07	628811.17	6168.277
MV-3LPZ	1416558.43	628811.64	6167.698
MV-3UPZ	1416558.78	628812.10	6167.750
MV-4	1413815.31	630571.37	6019.653
MV-4PZ	1413815.61	630571.48	6019.453
MV-5	1413229.86	629586.52	6041.687
MV-5PZ	1413230.11	629586.98	6040.869
UC-1	1414336.27	628928.97	6078.630
UC-1-P-1SRC	1413401.68	629835.41	6031.589
UC-1-P-2SR	1414632.55	628981.44	6079.220

LPZ = Lower piezometer
UPZ = Upper piezometer
PZ = Piezometer
Ft = Feet
TOC = Top of casing (well/piezometer)
RC = Recompleted

Coordinate System: U.S. State Plane System 1927 (Nevada Central Zone)
Horizontal Datum – NAD27
Vertical Datum – NGVD29