

Radiation Safety Engineering, Inc.

3245 N. WASHINGTON ST. • CHANDLER, ARIZONA 85225-1121
Website: www.radsafe.com

(480) 897-9459
FAX (480) 892-5446

Radiochemical Activity in Water (pCi/L)

Nye County Nuclear Waste Repository
2101 E. Calvada Blvd., Suite 100
Pahrump, NV 89048

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JUN 02 2011

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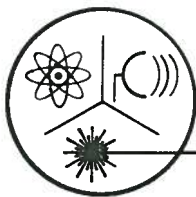
Samples Received: May 19, 2011
Analysis Completed: May 31, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
<i>8/23/11</i> GWS0276	4.4 ± 1.0	8.6 ± 1.1
GWS0277 <i>Well: NC-GWE-SPA</i>	3.7 ± 0.9	13.8 ± 1.2
GWS0279 <i>Well: NC-GWE-DB</i>	4.0 ± 0.9	33.5 ± 1.7

8/14/12

Robert L. Metzger, Ph.D., C.H.P.

Well: NC-GWE-elderhoff-25-1PA



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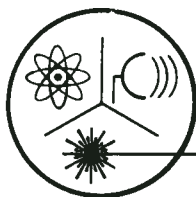
Samples Received: March 24, 2011

Analysis Completed: April 13, 2011

Sample ID	Tritium Activity Method 906.0 (pCi/L)
GWS0263 well: NC-GW-00-1	<257
GWS0264 well: NC-GF1-D	<257
GWS0265 well: 00-North Spring	<257
GWS0266 well: 00-North Spring	<257

9/1/12

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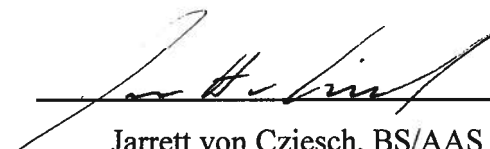
REPOSITORY OFFICE

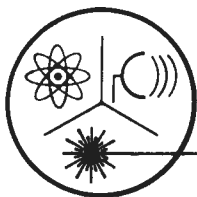
Radiochemical Activity in Water (pCi/L)

Nye County Nuclear Waste Repository
2101 E. Calvada Blvd., Suite 100
Pahrump, NV 89048

Samples Received: May 26, 2011
Analysis Completed: June 20, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Uranium Activity Method 00-07 (pCi/L)	Adjusted Gross Alpha (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)	Radium 226 Activity Method 903.1 (pCi/L)	Radium 228 Activity Method 904 (pCi/L)	Total Radium (pCi/L)
GWS0280 Well: NC-GW-0V-2	11.0 ± 1.6	---	---	11.2 ± 1.4	< 0.4	< 0.4	< 0.4
GWS0281 Well: NC-GW-4F-37A	10.7 ± 2.5	4.8 ± 1.5	5.9 ± 2.9	16.3 ± 1.5	0.6 ± 0.1	< 0.5	0.6 ± 0.1
GWS0283 Well: NC-GW-4F-02D	7.7 ± 1.4	---	---	11.6 ± 1.3	< 0.5	< 0.4	< 0.5


Jarrett von Cziesch, BS/AAS



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Isotopic Uranium Analysis

Nye County Nuclear Waste Repository
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Pahrump, NV 89048

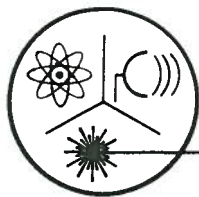
Sampling Date: May 24, 2011

Sample Received: May 26, 2011

Uranium Analysis Date: June 13, 2011

Sample No.	^{238}U	^{235}U	^{234}U	Total	
GWS0281 Well: NC-GWE-GF-37A or 1/4/12	2.0 ± 1.0	0.094 ± 0.007	2.7 ± 1.0	4.8 ± 1.4	Activity (pCi/L)
	6.0 ± 3.1	0.044 ± 0.003	0.00044 ± 0.00016	6.0 ± 3.1	Content (ug/L)
	Comments:				


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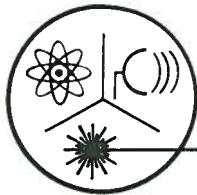
Radiochemical Activity in Water (pCi/L)

Nye County Nuclear Waste
2101 E. Calvada Blvd., Suite 100
Pahrump, NV 89048

Samples Received: May 04, 2011
Analysis Completed: May 12, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
NC-GWE-PV-3	3.0 ± 0.9	<2.2
NC-GWE-3D	3.1 ± 0.9	<2.2
NC-GWE-PV-2	2.1 ± 0.7	<2.2

Michael Meglemre, B.A.



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Radiochemical Activity in Water (pCi/L)

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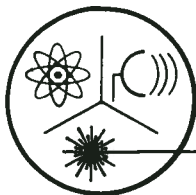
Samples Received: May 12, 2011

Analysis Completed: May 24, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
GWS0272 Well: NC-GWE-PV-1	1.0 ± 0.5	<2
GWS0273 Well: NC-GWE-2P	3.4 ± 1.0	<2
GWS0274 Well: NC-GWE-D2	3.1 ± 0.9	<2

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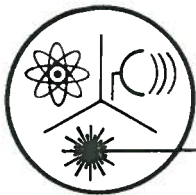
Radiochemical Activity in Water (pCi/L)

Nye County Nuclear Waste Repository
2101 E. Calvada Blvd., Suite 100
Pahrump, NV 89048

Samples Received: June 16, 2011
Analysis Completed: June 28, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
GWS0286 AM-0501 (GF-1)	2.3 ± 0.8	10.4 ± 1.5
GWS0288 NC-AM-D1	2.1 ± 0.7	11.5 ± 1.6


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Radiochemical Activity in Water (pCi/L)

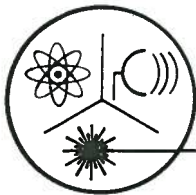
Nye County Nuclear Waste Repository
2101 E. Calvada BLVD., Suite 100
Pahrump, NV 89048

Samples Received: June 23, 2011

Analysis Completed: June 28, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
Inyo BLM #1	33.5 ± 3.4	19.2 ± 1.8
NC-GWE-55D	34.7 ± 3.4	20.7 ± 1.8

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Radiochemical Activity in Water (pCi/L)

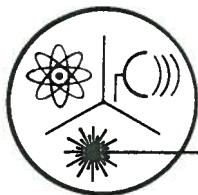
Nye County Nuclear Waste Repository
2101 E. Calvada Boulevard, Suite 100
Pahrump, NV 89048

Samples Received: June 02, 2011
Analysis Completed: June 16, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
GWS0284 Well: NC-GWE-GF-4PA	3.8 ± 1.0	4.3 ± 1.3
GWS0285 Well: NC-GWE-GF-4	6.8 ± 1.3	6.4 ± 1.3

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Radiochemical Activity in Water (pCi/L)

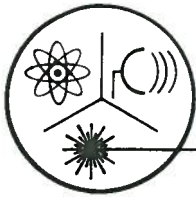
Nye County
2101E. Calvada Boulevard, Suite 100
Pahrump, NV 89048

Samples Received: March 24, 2011
Analysis Completed: April 13, 2011

Sample ID	Radium 226 Activity Method 903.1 (pCi/L)	Radium 228 Activity Method 904 (pCi/L)	Total Radium (pCi/L)
GWS0263 Well: NC-GWE-DV-1	< 0.7	< 0.6	< 0.7
GWS0264 Well: NC-GFI-D	< 0.5	< 0.4	< 0.5
GWS0265 Well: DV-South Spring	< 0.5	< 0.4	< 0.5
GWS0266 Well: DV-North Spring	< 0.5	< 0.4	< 0.5

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Samples Received: March 24, 2011
Analysis Completed: April 13, 2011

Sample ID	Gross Alpha Activity Method 600/00-02 (pCi/L)	Gross Beta Activity Method 900.0 (pCi/L)
GWS0263 Well: NC-GWF-OV-1	20.6 ± 2.5	9.6 ± 1.3
GWS0264 Well: NC-GWF-GFI-D	17.4 ± 2.2	10.7 ± 1.3
GWS0265 Well: OV-South Spring	15.4 ± 2.1	8.0 ± 1.3
GWS0266 Well: OV-North Spring	14.1 ± 2.5	12.8 ± 1.4

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