

**Subsurface Data Supporting Release of Subarea F
Outside of the 2016 Proposed Licensed Area
Table 6 - Groundwater Data for Border Monitoring Wells**

Location	Date	Analyte	Result	Units	Uncertainty (2σ)	Total U (pCi/L) and Total Uncertainty (2σ)	Qualifier	
02W09	8/27/2002	Uranium-234	1.45	pCi/L	0.48			
		Uranium-235	0.27	pCi/L	0.14	2.37	U	
		Uranium-238	0.65	pCi/L	0.31	0.59		
	9/2/2004	Uranium-234	1.19	pCi/L	0.28			
		Uranium-235	0.11	pCi/L	0.07	1.88	U	
		Uranium-238	0.58	pCi/L	0.20	0.35		
	5/28/2009	Uranium-234	3.35	pCi/L	0.38			
		Uranium-235	0.22	pCi/L	0.11	5.58		
		Uranium-238	2.01	pCi/L	0.29	0.49		
	10/18/2010	Uranium-234	1.12	pCi/L	0.17			
		Uranium-235	0.08	pCi/L	0.05	1.83		
		Uranium-238	0.64	pCi/L	0.13	0.22		
	8/17/2011	Uranium-234	0.90	pCi/L	0.21			
		Uranium-235	0.11	pCi/L	0.08	1.46		
		Uranium-238	0.44	pCi/L	0.15	0.27		
	8/3/2012	Uranium, Total	2.23	ug/L				
		Uranium-234	1.00	pCi/L	0.45			U
		Uranium-235	1.00	pCi/L	0.18	2.70		U
		Uranium-238	0.70	pCi/L	0.42	0.64		
	5/14/2013	Uranium, Total	9.95	ug/L				
		Uranium-234	4.52	pCi/L	1.22			
		Uranium-235	0.81	pCi/L	0.60	8.02		
		Uranium-238	2.69	pCi/L	0.94	1.65		
	5/28/2014	Uranium, Total	1.83	ug/L				
Uranium-234		0.99	pCi/L	0.54				
Uranium-235		1.00	pCi/L	0.31	3.15		U	
Uranium-238		1.16	pCi/L	0.55	0.83			
3/25/2015	Uranium, Total	2.48	ug/L					
	Uranium-234	0.87	pCi/L	0.58				
	Uranium-235	1.00	pCi/L	0.22	2.87		U	
	Uranium-238	1.00	pCi/L	0.41	0.74		U	
5/10/2016	Uranium, Total	2.00	ug/L					
	Uranium-234	1.65	pCi/L	0.63				
	Uranium-235	0.56	pCi/L	0.43	3.29			
	Uranium-238	1.08	pCi/L	0.51	0.92			

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02W10	8/27/2002	Uranium-234	1.98	pCi/L	0.65		
		Uranium-235	0.29	pCi/L	0.21	3.45	U
		Uranium-238	1.18	pCi/L	0.48	0.83	
	9/2/2004	Uranium-234	2.01	pCi/L	0.38		
		Uranium-235	0.21	pCi/L	0.10	3.38	U
		Uranium-238	1.16	pCi/L	0.29	0.49	
	5/28/2013	Uranium, Total	3.44	ug/L			
	3/24/2015	Uranium, Total	4.16	ug/L			
		Uranium-234	2.40	pCi/L	1.02		
		Uranium-235	1.00	pCi/L	0.36	5.26	U
		Uranium-238	1.86	pCi/L	0.88	1.40	
	5/29/2017	Uranium-234	2.56	pCi/L	0.97		
Uranium-235		1.00	pCi/L	0.23	4.64	U	
Uranium-238		1.08	pCi/L	0.67	1.20		
02W13	8/29/2002	Uranium-234	39.40	pCi/L	5.64		
		Uranium-235	2.38	pCi/L	0.63	63.68	
		Uranium-238	21.90	pCi/L	3.33	6.58	
	9/2/2004	Uranium-234	16.60	pCi/L	1.15		
		Uranium-235	1.54	pCi/L	0.35	30.54	
		Uranium-238	12.40	pCi/L	0.99	1.56	
	5/22/2013	Uranium, Total	32.30	ug/L			
		Uranium-234	15.30	pCi/L	2.17		
		Uranium-235	1.00	pCi/L	0.39	24.93	U
		Uranium-238	8.63	pCi/L	1.63	2.74	
	3/24/2015	Uranium, Total	21.10	ug/L			
		Uranium-234	10.00	pCi/L	1.75		
Uranium-235		0.75	pCi/L	0.50	18.71		
Uranium-238		7.96	pCi/L	1.54	2.38		
02W13DUP	5/22/2013	Uranium, Total	33.80	ug/L			
		Uranium-234	14.90	pCi/L	2.28		
		Uranium-235	1.09	pCi/L	0.71	27.89	
		Uranium-238	11.90	pCi/L	2.03	3.13	

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Location	Date	Analyte	Result	Units	Uncertainty (2σ)	Total U (pCi/L) and Total Uncertainty (2σ)	Qualifier
02W26	8/26/2002	Uranium-234	8.24	pCi/L	1.60		
		Uranium-235	0.23	pCi/L	0.19	12.67	U
		Uranium-238	4.20	pCi/L	0.98	1.89	
	9/7/2004	Uranium-234	1.36	pCi/L	0.36		
		Uranium-235	0.10	pCi/L	0.11	2.17	U
		Uranium-238	0.71	pCi/L	0.26	0.46	
	5/21/2013	Uranium, Total	7.10	ug/L			
		Uranium-234	3.49	pCi/L	1.17		
		Uranium-235	1.00	pCi/L	0.42	6.42	U
		Uranium-238	1.93	pCi/L	0.87	1.52	
	3/25/2015	Uranium, Total	2.26	ug/L			
		Uranium-234	0.97	pCi/L	0.59		
Uranium-235		1.00	pCi/L	0.22	2.35	U	
Uranium-238		0.39	pCi/L	0.37	0.73		
02W51	8/26/2002	Uranium-234	2.76	pCi/L	0.68		
		Uranium-235	0.18	pCi/L	0.11	6.09	U
		Uranium-238	3.15	pCi/L	0.74	1.00	
	9/8/2004	Uranium-234	2.71	pCi/L	0.42		
		Uranium-235	0.20	pCi/L	0.11	5.42	U
		Uranium-238	2.51	pCi/L	0.40	0.59	
	5/21/2013	Uranium, Total	4.48	ug/L			
		Uranium-234	1.27	pCi/L	0.70		
		Uranium-235	1.00	pCi/L	0.27	4.24	U
		Uranium-238	1.97	pCi/L	0.79	1.09	
	3/25/2015	Uranium, Total	4.56	ug/L			
		Uranium-234	1.97	pCi/L	0.85		
Uranium-235		0.44	pCi/L	0.43	4.16		
Uranium-238		1.75	pCi/L	0.80	1.24		

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Location	Date	Analyte	Result	Units	Uncertainty (2σ)	Total U (pCi/L) and Total Uncertainty (2σ)	Qualifier	
02W53	8/27/2002	Uranium-234	100.00	pCi/L	16.10			
		Uranium-235	9.14	pCi/L	2.87	151.64		
		Uranium-238	42.50	pCi/L	7.99	18.20		
	9/8/2004	Uranium-234	50.10	pCi/L	2.32			
		Uranium-235	4.34	pCi/L	0.69	76.74		
		Uranium-238	22.30	pCi/L	1.55	2.87		
	5/23/2013	Uranium, Total	23.10	ug/L				
		Uranium-234	12.30	pCi/L	1.92			
		Uranium-235	1.00	pCi/L	0.46	19.95	U	
		Uranium-238	6.65	pCi/L	1.41	2.43		
	3/24/2015	Uranium, Total	63.60	ug/L				
		Uranium-234	38.70	pCi/L	3.40			
Uranium-235		2.40	pCi/L	0.86	60.50			
Uranium-238		19.40	pCi/L	2.41	4.25			
02W53DUP 3/24/2015	Uranium, Total	61.80	ug/L					
	Uranium-234	44.50	pCi/L	3.73				
	Uranium-235	2.36	pCi/L	0.89	67.66			
	Uranium-238	20.80	pCi/L	2.55	4.61			
TMW-05	3/29/2001	Uranium, Total	2.23	ug/L	0.03			
	6/29/2001	Uranium, Total	1.10	ug/L	0.01			
		Uranium-234	0.46	pCi/L	0.08			
		Uranium-235	0.05	pCi/L	0.03	0.82		
		Uranium-238	0.32	pCi/L	0.07	0.11		
	8/27/2002	Uranium-234	0.53	pCi/L	0.27			
		Uranium-235	0.29	pCi/L	0.08	1.07	U	
		Uranium-238	0.26	pCi/L	0.10	0.30	U	
	9/13/2004	Uranium-234	1.44	pCi/L	0.24			
		Uranium-235	0.15	pCi/L	0.08	2.54		
		Uranium-238	0.95	pCi/L	0.20	0.32		
	5/28/2013	Uranium, Total	3.66	ug/L				
		Uranium-234	0.98	pCi/L	0.54			
		Uranium-235	1.00	pCi/L	0.18	2.78	U	
		Uranium-238	0.79	pCi/L	0.49	0.75		
	3/24/2015	Uranium, Total	3.22	ug/L				
Uranium-234		1.44	pCi/L	0.71				
Uranium-235		1.00	pCi/L	0.24	3.55	U		
Uranium-238		1.11	pCi/L	0.63	0.97			

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TMW-20	6/29/2001	Uranium, Total	12.20	ug/L	0.40		
		Uranium-234	4.84	pci/L	0.53		
		Uranium-235	0.31	pci/L	0.07	9.24	
		Uranium-238	4.09	pci/L	0.46	0.70	
	8/26/2002	Uranium-234	6.35	pci/L	1.56		
		Uranium-235	0.39	pci/L	0.30	11.51	
		Uranium-238	4.77	pci/L	1.27	2.03	
	5/29/2013	Uranium, Total	3.88	ug/L			
		Uranium-234	1.07	pci/L	0.59		
		Uranium-235	1.00	pci/L	0.26	3.03	U
Uranium-238		0.96	pci/L	0.53	0.83		
3/26/2015	Uranium, Total	8.92	ug/L				
TMW-21	8/27/2002	Uranium-234	34.90	ug/L	5.26		
		Uranium-235	5.01	pci/L	1.09	59.11	X
		Uranium-238	19.20	pci/L	3.09	6.20	
	9/13/2004	Uranium-234	66.10	pci/L	3.54		
		Uranium-235	12.40	pci/L	1.54	116.20	
		Uranium-238	37.70	pci/L	2.67	4.69	
	5/21/2013	Uranium, Total	96.60	ug/L			
		Uranium-234	61.00	pci/L	5.26		
		Uranium-235	3.40	pci/L	1.42	100.70	
		Uranium-238	36.30	pci/L	4.05	6.79	
3/26/2015	Uranium, Total	16.80	ug/L				
TMW-25	8/26/2002	Uranium-234	215.00	ug/L	37.40		
		Uranium-235	11.30	pci/L	2.59	350.30	
		Uranium-238	124.00	pci/L	21.80	43.37	
	8/25/2004	Uranium-234	108.00	pci/L	5.84		
		Uranium-235	7.27	pci/L	1.60	179.17	J
		Uranium-238	63.90	pci/L	4.52	7.56	
	5/21/2013	Uranium, Total	123.00	ug/L			
		Uranium-234	58.40	pci/L	4.11		
		Uranium-235	3.31	pci/L	1.11	97.91	
		Uranium-238	36.20	pci/L	3.23	5.34	
3/25/2015	Uranium, Total	119.00	ug/L				
	Uranium-234	55.90	pci/L	4.32			
	Uranium-235	2.83	pci/L	1.01	92.13		
	Uranium-238	33.40	pci/L	3.34	5.55		

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Location	Date	Analyte	Result	Units	Uncertainty (2σ)	Total U (pCi/L) and Total Uncertainty (2σ)	Qualifier
1316R	8/27/2002	Uranium-234	63.30	pCi/L	10.50		
		Uranium-235	7.32	pCi/L	2.38	105.42	
		Uranium-238	34.80	pCi/L	6.55	12.60	
	9/23/2002	Uranium-234	72.50	pCi/L	11.60		
		Uranium-235	5.75	pCi/L	2.06	109.55	
		Uranium-238	31.30	pCi/L	6.02	13.23	
	12/11/2002	Uranium-234	120.00	pCi/L	15.50		
		Uranium-235	9.86	pCi/L	3.11	188.36	
		Uranium-238	58.50	pCi/L	9.02	18.20	
	6/23/2003	Uranium-234	82.30	pCi/L	8.45		
		Uranium-235	5.03	pCi/L	0.67	129.83	
		Uranium-238	42.50	pCi/L	4.46	9.58	
	9/25/2003	Uranium-234	49.80	pCi/L	6.23		
		Uranium-235	5.43	pCi/L	0.83	81.63	
		Uranium-238	26.40	pCi/L	3.39	7.14	
	8/30/2004	Uranium-234	93.40	pCi/L	6.15		
		Uranium-235	10.20	pCi/L	2.04	151.70	J
		Uranium-238	48.10	pCi/L	4.41	7.84	
	5/31/2005	Uranium-234	82.10	pCi/L	4.46		
		Uranium-235	8.34	pCi/L	1.43	140.44	
		Uranium-238	50.00	pCi/L	3.48	5.83	
	5/24/2006	Uranium-234	51.40	pCi/L	1.73		J
		Uranium-235	3.15	pCi/L	0.48	83.15	
		Uranium-238	28.60	pCi/L	1.29	2.21	J
	8/16/2007	Uranium, Total	179.00	ug/L			
		Uranium-234	92.70	pCi/L	14.60		
		Uranium-235	7.51	pCi/L	4.67	155.11	B
		Uranium-238	54.90	pCi/L	11.00	18.87	
		Uranium, Total	184.00	ug/L			
		Uranium-234	108.00	pCi/L	3.03		J
6/25/2008	Uranium-235	7.11	pCi/L	0.86	171.11		
	Uranium-238	56.00	pCi/L	2.18	3.83		
	Uranium-234	79.00	pCi/L	9.64		J	
10/26/2010	Uranium-235	2.61	pCi/L	1.93	118.01		
	Uranium-238	36.40	pCi/L	6.56	11.82	J	
	Uranium-234	66.10	pCi/L	1.12			
5/23/2013	Uranium-235	5.69	pCi/L	0.37	109.29		
	Uranium-238	37.50	pCi/L	0.84	1.45		
	Uranium, Total	144.00	ug/L				
	Uranium-234	91.10	pCi/L	4.72			
5/23/2013	Uranium-235	4.01	pCi/L	1.11	141.71		
	Uranium-238	46.60	pCi/L	3.38	5.91		

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1316R (continued)	3/25/2015	Uranium, Total	132.00	ug/L			
		Uranium-234	82.80	pCi/L	5.19		
		Uranium-235	4.30	pCi/L	1.20	127.90	
		Uranium-238	40.80	pCi/L	3.65	6.46	
1316R DUP	8/30/2004	Uranium-234	116.00	pCi/L	2.63		
		Uranium-235	17.50	pCi/L	1.02	197.90	J
		Uranium-238	64.40	pCi/L	1.96	3.43	

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