

Exempt 4

6/17
B/17

Ex 4

Sample Date-time	Location	Type	Co-60 uCi	Cs-134 uCi	Cs-137 uCi	Cs-137/Cs-134 Ratio
9/1/05 10:00 AM	N. Wall at leak	Large Area Smear	ND	3.03E-04	1.92E-03	6
9/1/05 10:12 AM	N. Wall at leak	Large Area Smear	ND	6.24E-04	4.64E-03	7
9/1/05 12:00 PM	N. Wall at leak	Large Area Smear	ND	ND	1.68E-03	NA
9/13/05 10:30 AM	N. Wall at leak	Large Area Smear	6.64E-04	5.34E-04	8.71E-03	16
9/1/05 2:00 PM	N. Wall at leak	Scraping of wall	2.22E-03	5.06E-03	8.07E-02	16
9/2/05 1:30 PM	N. Wall at leak	Large Area Smear	ND	ND	1.17E-03	NA
9/2/05 1:30 PM	N. Wall at leak	Large Area Smear	ND	ND	1.17E-03	NA
9/7/05 1:00 P	Outside MOE Dirt on Hill area 1	Dirt	ND	ND	8.75E-08	NA
9/7/05 1:00 P	Outside MOE Dirt on Hill area 2	Dirt	ND	ND	ND	NA
9/7/05 1:00 P	Outside MOE Dirt on Hill area 3	Dirt	ND	ND	1.03E-07	NA
9/7/05 1:00 P	Outside MOE Dirt on Hill area 4	Dirt	ND	ND	5.61E-07	NA
9/8/05 10:00 AM	Re-sample	Dirt	ND	ND	2.18E-07	NA

Date	Sample of Hole Drilled in North FSB	pH	Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Cs-137/Cs-134 Ratio	Iron ppm leachate	Boron ppm leachate
09/07/05	(1) Base line	11.74	ND	ND	ND	NA	96	159
09/07/05	(2)	10.7	8.31E-05	2.65E-05	1.65E-03	62	628	72
09/07/05		11.46	4.04E-05	1.39E-05	8.46E-04	61	640	56
09/07/05	(4)	11.75	1.02E-05	ND	1.27E-04	NA	3285	28
09/07/05	(5)	11.79	ND	ND	1.75E-05	NA	60	226

		Tritium	Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Cs-137/Cs-134 Ratio
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Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions
FOIA-2006-0019

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9/8/05 9:30 AM	Water under Plastic North Wall C-1		ND	ND	1.09E-04	NA
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Sample Date	Location		Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Cs-137/Cs-134 Ratio	K-40 uCi/gm	Tritium pCi/gm
9/6/05 1:00 PM	Against North Wall below Leak at	Dirt	1.05E-05	3.98E-06	2.92E-04	73		176.0
9/6/05 1:00 PM	1 ft from N. Wall Below Leak at	Dirt	1.15E-06	ND	1.61E-05	NA	1.49E-05	40.3
9/6/05 1:00 PM	2 ft from N. Wall Below Leak at	Dirt	2.42E-07	ND	5.07E-07	NA		7.0
9/6/05 1:00 PM	3 ft from N. Wall Below Leak at	Dirt	ND	ND	1.19E-07	NA	1.95E-05	7.1

Sample Date	Location		Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Cs-137/Cs-134 Ratio	K-40 uCi/gm
9/8/05 2:00 PM	Against North Wall below Leak at	Dirt	5.90E-06	3.54E-06	1.63E-04	46	1.79E-05
9/8/05 2:00 PM	1 ft from N. Wall Below Leak at	Dirt	1.19E-06	1.82E-07	1.09E-05	60	1.44E-05
9/8/05 2:00 PM	2 ft from N. Wall Below Leak at	Dirt	ND	ND	9.44E-08	NA	1.48E-05
9/8/05 2:00 PM	Against North Wall below Leak at	Dirt	1.38E-05	1.43E-05	6.00E-04	42	2.73E-05
9/8/05 2:00 PM	2 ft from N. Wall Below Leak at	Dirt	ND	ND	ND	NA	1.33E-05

Sample Date	Location		Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Cs-137/Cs-134 Ratio
9/1/05 2:00 PM	N. Wall at leak at	Scraping of wall	2.22E-03	5.06E-03	8.07E-02	16

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9/12/2005 10:30	East Core bore hole at	rock-dust	ND	2.47E-05	1.38E-04	6
9/12/2005 10:30	West Core bore hole at	rock-dust	6.11E-06	2.97E-05	1.80E-04	6

Sample Date	Location		Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Cs-137/Cs-134 Ratio	K-40
9/12/05 10:45 AM	Sample (1) Grid 8B&C	Dirt	ND	ND	7.87E-08	NA	
9/12/05 11:00 AM	Sample (2) Grid 8B&C	Dirt	ND	ND	ND	NA	
9/12/05 11:13 AM	Sample (3) Grid 7B&C	Dirt	ND	ND	2.73E-07	NA	
9/12/05 11:25 AM	Sample (4) Grid 7B&C	Dirt	ND	ND	4.36E-07	NA	
9/12/05 12:30 PM	Sample (5) Grid B8	Dirt	ND	ND	3.40E-07	NA	
9/12/2005 13:15:00 PM	Sample (6) Grid BC7	Dirt	ND	ND	1.51E-07	NA	
9/12/2005 13:27:00 PM	Sample (7) Grid BC6	Dirt	ND	ND	1.72E-07	NA	
9/12/2005 13:45:00 PM	Sample (8) Grid C1&2 (to LSA Crate) <MDA Co-60 -1.5E-7 only 1 peak found	Dirt	ND	ND	1.53E-07	NA	
9/12/2005 14:02:00 PM	Sample (9) Grid AB1	Dirt	ND	ND	ND	NA	
9/12/2005 14:30:00 PM	Sample (10) Grid B1	Dirt	ND	ND	1.53E-07	NA	
9/12/2005 14:45:00 PM	Sample (11) Grid B1&2	Dirt	ND	ND	ND	NA	

Sample Date	Location		Co-60 uCi	Cs-134 uCi	Cs-137 uCi	Boron ppm	Tritium	Cs-137/Cs-134 Ratio
9/13/2005 10:30	Behind plastic on Lower leaking crack Elev North wall Grid C-11 12mLi	Water - not a valid counting geometry - Potential trace level of Cs-134	ND	1.08E-05	7.47E-05	1265		7

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9/13/2005 10:30	Behind plastic on Lower leaking crack 1.2mLI	North wall Grid C-	Fluate - from sample water - Potential trace level of Cs-134	ND	2.99E-06	1.48E-05	NA	5
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Sample Date	Location		Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm	Boron ppm	Cs-137/Cs-134 Ratio
9/13/2005 17:00	IP-2 Pipe Penn Mezzanine to Section 1 - Wall Crack	Scraping - Dry powder 1.42 gm	1.16E-04	1.47E-05	2.95E-04		20

Sample Date	Distance from wall	Depth	Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm
9/6/2005	0	0	1.05E-05	3.98E-06	2.92E-04
9/8/2005	0	1	5.90E-06	3.54E-06	1.63E-04
9/8/2005	0	2	1.38E-05	1.43E-05	6.00E-04
9/13/2005	0	4	2.17E-06	1.01E-06	3.60E-05

Sample Date	Distance from wall	Depth	Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm
9/6/2005	1	0	1.15E-06	ND	1.61E-05
9/8/2005	1	1	1.19E-06	1.82E-07	1.09E-05
9/13/2005	1	4	1.36E-06	ND	1.14E-05

Sample Date	Distance from wall	Depth	Co-60 uCi/gm	Cs-134 uCi/gm	Cs-137 uCi/gm
9/6/2005	2	0	2.42E-07	ND	5.07E-07
9/8/2005	2	1	ND	ND	9.44E-08
9/8/2005	2	2	ND	ND	ND
9/13/2005	2	4	ND	ND	3.07E-07

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Date
09/07/05
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09/07/05

<u>pH</u>	<u>Co-60 uCi/gm</u>	<u>Cs-134uCi/gm</u>
11.74	ND	ND
10.7	8.31E-05	2.65E-05
11.46	4.04E-05	1.39E-05
11.75	1.02E-05	ND
11.79	ND	ND

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Cs-137 uCi/gm	Iron ppm leachate	Boron ppm leachate
ND	96	159
1.65E-03	628	72
8.46E-04	640	56
1.27E-04	3285	28
1.75E-05	60	226