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**Date:** 3/2/06 5:19PM  
**Subject:** Compilation of sample results

The attached is our compilation of the sample data. Please review to assure accuracy of the data presented. We are planning to make the attach this table to the NRC inspection report.

**CC:** James Kottan; James Noggle

A/94

ATTACHMENT 1  
Indian Point Analytical Results Comparison

Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Unit 1 Sphere Foundation Drain Sump 10/19/2005	Co-58	(-5±24)E-10	<8E-8	Not Detected/No Comparison	Sample not Split with New York
	Co-60	(-8±23)E-10	<8E-8	Not Detected/No Comparison	
	Cs-134	(-1.9±2.3)E-9	<1E-7	Not Detected/No Comparison	
	Cs-137	(9±22)E-10	<1E-7	Not Detected/No Comparison	
	H-3	(5.7±2.6)E-7	(8.53±?)E-7	Agreement	
	Sr-90	(-0.2±1.2)E-9	Not Analyzed	Not Detected/No Comparison	
Unit 1 West Spent Fuel Pool 10/20/2005	Co-58	(-5±18)E-7	<2E-6	Not Detected/No Comparison	Sample not Split with New York
	Co-60	(2.98±0.35)E-5	(3.76±0.32)E-5	Agreement	
	Cs-134	(2±14)E-7	<2E-6	Not Detected/No Comparison	
	Cs-137	(6.74±0.22)E-3	(8.13±0.04)E-3	Agreement	
	H-3	(4.18±0.72)E-4	(4.16±?)E-4 <sup>1</sup>	No Comparison	
	Sr-90	(1.300±0.035)E-4	(3.27±?)E-4 <sup>2</sup>	No Comparison	
Unit 2 Spent Fuel Pool 10/21/2005	Co-58	(3.46±0.16)E-4	(3.33±0.006)E-4	Agreement	Sample not Split with New York
	Co-60	(7.95±0.28)E-4	(7.99±0.08)E-4	Agreement	
	Cs-134	(8.57±0.31)E-4	(1.031±0.0008)E-3	Agreement	
	Cs-137	(1.319±0.046)E-3	(1.586±0.012)E-3	Agreement	
	H-3	(2.929±0.083)E-2	(2.52±?)E-2 <sup>3</sup>	No Comparison	
	Sr-90	(5.87±0.24)E-6	Not Analyzed	No Comparison	

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Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Unit 2 Spent Fuel Pool Wall Leak 10/24/2005	Co-58	(2.4±3.4)E-9	<5E-8	Not Detected/No Comparison No Comparison Disagreement Agreement Agreement No Comparison	Sample not Split with New York
	Co-60	(4.56±0.49)E-8	<8E-8		
	Cs-134	(2.64±0.12)E-7	(3.6±0.8)E-7		
	Cs-137	(4.88±0.15)E-6	(4.73±0.24)E-6		
	H-3	(2.208±0.047)E-2	(2.19±?)E-2		
Sr-90	(3.70±0.12)E-7	Not Analyzed			
Unit 1 North Curtain Drain Composite 10/21/2005	Co-58	(-1.4±1.8)E-9	Not Analyzed	No Comparison	Sample not Split with New York
	Co-60	(0.0±2.1)E-9			
	Cs-134	(-6±19)E-10			
	Cs-137	(4.48±0.42)E-8			
	H-3	(1.425±0.053)E-5			
Sr-90	(9.97±0.42)E-8				
Monitoring Well MW-111 9/29/2005	Co-58	(2.7±4.3)E-9	<5E-9 <sup>4</sup>	Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Agreement Agreement Not Detected/No Comparison	Sample not Split with New York
	Co-60	(3.5±3.1)E-9	<2E-9 <sup>4</sup>		
	Cs-134	(-5±39)E-10	<4E-9 <sup>4</sup>		
	Cs-137	(-9±29)E-10	<4E-9 <sup>4</sup>		
	H-3	(2.168±0.028)E-4	(2.07±?)E-4 (2.116±0.008)E-4 <sup>4</sup>		
Sr-90	(1.4±1.2)E-9	Not Analyzed			

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Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Monitoring Well MW-111 10/14/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(-7±23)E-10 (1.8±2.2)E-9 (1.9±2.2)E-9 (-2.1±3.6)E-9 (7.29±0.41)E-6 (1.1±1.3)E-9	<6E-8 <sup>4</sup> <4E-8 <sup>4</sup> <4E-8 <sup>4</sup> <5E-8 <sup>4</sup> (6.82±?)E-6 Not Analyzed	Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Agreement Not Detected/No Comparison	Sample not Split with New York
Monitoring Well MW-38 12/8/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(-1.5±3.7)E-9 (0.3±3.3)E-9 (4.4±3.3)E-9 (-0.7±3.0)E-9 (7.4±1.3)E-7 (0.4±1.2)E-9	<3E-9 <sup>4</sup> <3E-9 <sup>4</sup> <3E-9 <sup>4</sup> <3E-9 <sup>4</sup> (9.8±2.9)E-7 <sup>4</sup> <1.25E-8 <sup>5</sup>	Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Agreement Not Detected/No Comparison	(7.0±1.2)E-7
Monitoring Well MW-101 12/8/2005	Co-58 Co-60 Cs-134 Cs-137 H-3 Sr-90	(-0.2±3.1)E-9 (2.5±3.6)E-9 (1.8±3.4)E-9 (-1.4±5.3)E-9 (0.7±1.2)E-7 (0.2±1.1)E-9	<3E-9 <sup>4</sup> <4E-9 <sup>4</sup> <3E-9 <sup>4</sup> <3E-9 <sup>4</sup> (2.7±2.8)E-7 <sup>4</sup> <1.25E-8 <sup>5</sup>	Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison Not Detected/No Comparison	<5E-8

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Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Monitoring Well MW-105 12/8/2005	Co-58	(1.5±3.3)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	(1.0±0.9)E-7
	Co-60	(1.5±3.3)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-134	(0.4±3.5)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-137	(0.4±2.9)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	H-3	(-0.1±1.2)E-7	(2.2±2.7)E-7 <sup>4</sup>	Not Detected/No Comparison	
	Sr-90	(-0.2±1.2)E-9	<1.93E-8 <sup>5</sup>	Not Detected/No Comparison	
Monitoring Well MW-107 12/8/2005	Co-58	(1.7±2.7)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<5E-8
	Co-60	(-0.2±2.6)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-134	(2.5±2.8)E-9	<5E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-137	(-1.1±2.4)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	
	H-3	(1.3±1.2)E-7	(1.3±2.7)E-7 <sup>4</sup>	Not Detected/No Comparison	
	Sr-90	(0.8±1.2)E-9	<1.33E-8 <sup>5</sup>	Not Detected/No Comparison	
Lefarge Gypsum Plant Well #1 12/6/2005	Co-58	(-2.8±3.2)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	<5E-8
	Co-60	(0.8±3.9)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-134	(0.3±3.6)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-137	(0.2±3.5)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	H-3	(0.4±1.2)E-7	(0.8±2.7)E-7 <sup>4</sup>	Not Detected/No Comparison	
	Sr-90	(1.2±1.1)E-9	<1.48E-8 <sup>5</sup>	Not Detected/No Comparison	

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Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Lefarge Gypsum Plant Well #3 12/6/2005	Co-58	(0.4±2.5)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<5E-8
	Co-60	(0.3±3.1)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-134	(3.8±2.8)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	
	Cs-137	(-0.8±4.4)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	
	H-3	(0.2±1.2)E-7	(1.1±2.7)E-7 <sup>4</sup>	Not Detected/No Comparison	
	Sr-90	(0.1±1.0)E-9	<1.36E-8 <sup>5</sup>	Not Detected/No Comparison	
Trap Rock Quarry 11/30/2005	Co-58	(0.4±1.7)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<0.9E-9
	Co-60	(-0.1±2.1)E-9	<2E-9 <sup>4</sup>	Not Detected/No Comparison	<0.5E-9
	Cs-134	(-0.4±1.8)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.2E-9
	Cs-137	(0.6±1.6)E-9	<2E-9 <sup>4</sup>	Not Detected/No Comparison	<1.1E-9
	H-3	(0.4±1.2)E-7	(-1.2±2.7)E-7 <sup>4</sup>	Not Detected/No Comparison	(9±6)E-8
	Sr-90	(0.9±1.0)E-9	<2.07E-8 <sup>5</sup>	Not Detected/No Comparison	<4E-10

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Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Algonquin Outfall 11/30/2005	Co-58	(1.1±2.3)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	<1.5E-9
	Co-60	(-0.5±2.2)E-9	<5E-9 <sup>4</sup>	Not Detected/No Comparison	<1.4E-9
	Cs-134	(0.5±2.4)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	<1.7E-9
	Cs-137	(-1.6±2.2)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.5E-9
	H-3	(0.3±1.2)E-7	(0.6±2.8)E-7 <sup>4</sup>	Not Detected/No Comparison	<6E-8
	Sr-90	(0.3±1.0)E-9	<2.07E-8 <sup>5</sup>	Not Detected/No Comparison	(7±4)E-10
Fifth Street Well 11/30/2005	Co-58	(0.9±2.2)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.8E-9
	Co-60	(0.8±2.6)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.9E-9
	Cs-134	(-0.1±2.1)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.9E-9
	Cs-137	(-0.6±2.1)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.9E-9
	H-3	(-0.7±1.2)E-7	(-0.7±2.7)E-7 <sup>4</sup>	Not Detected/No Comparison	<6E-8
	Sr-90	(0.4±1.0)E-9	<1.26E-8 <sup>5</sup>	Not Detected/No Comparison	(8±7)E-10

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Sample ID	Radionuclide	NRC Result (microCuries per milliliter)	Indian Pt. Result (microCuries per milliliter)	Comparison (Licensee Result Compared to NRC Result)	State of New York Result (microCuries per milliliter)
Gypsum Plant Stream 11/30/2005	Co-58	(0.0±1.9)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<2E-9
	Co-60	(0.1±1.8)E-9	<4E-9 <sup>4</sup>	Not Detected/No Comparison	<1.7E-9
	Cs-134	(0.1±2.1)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.9E-9
	Cs-137	(-0.3±1.7)E-9	<3E-9 <sup>4</sup>	Not Detected/No Comparison	<1.7E-9
	H-3	(0.1±1.2)E-7	(0.6±2.8)E-7 <sup>4</sup>	Not Detected/No Comparison	<6E-8
	Sr-90	(0.5±1.0)E-9	<1.52E-8 <sup>5</sup>	Not Detected/No Comparison	(8±4)E-10

- 1.Result from a sample taken on 09/08/2005. Therefore, not a split sample, but presented for information only.
- 2.Result from a sample taken on 09/29/2005. Therefore, not a split sample, but presented for information only.
- 3.Result from a sample taken on 10/10/2005. Therefore, not a split sample, but presented for information only.
- 4.Indian Point offsite environmental laboratory result.
- 5.Indian Point offsite commercial contract laboratory result.

Note: reported uncertainties for NRC and New York State represent the 95% confidence interval based on total propagated uncertainties. Indian Point uncertainties represent the 95% confidence interval, based on counting uncertainty.