

Battelle
The Business of Innovation

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June 28, 2006

Mr. Mike McCann
U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

Dear Mr. McCann:

Subject: Submittal of Revised Tables from Battelle for the West Jefferson North Site Groundwater Monitoring Program

Battelle is submitting the revised tables as attached to address our actions from the June 9, 2006 teleconference on the Battelle West Jefferson North Site groundwater monitoring program and its status. These actions included responses to items #1 and #2 of that Teleconference summary. The revised tables from the May 23, 2006 submittal to the NRC on the Battelle West Jefferson North Site groundwater include:

- Table 1 "Radiological Analyses of Bog Area Monitoring Wells West Jefferson Site- CY 2005" which included addressing the lab analysis methods for Uranium by removing the gamma spec analysis detail
- Table 2 "BCLDP Environmental Water Summary" which included addition of the range of monthly averages by sample location by providing eight unique environmental water summaries by location number and year in table form
- Table 3 "Groundwater Monitoring Well #300 which included addressing the lab analysis methods for Uranium by removing the gamma spec analysis detail
- Table 5 "Summary of Radiological Analyses of JN-1B Caissons West Jefferson Site- December 2005" which included addressing the lab analysis methods for Uranium by removing the gamma spec analysis detail
- Table 7 "Summary of Radiological Analyses of Supply Wells West Jefferson Site- CY 2005" which included addressing the lab analysis methods for Uranium by removing the gamma spec analysis detail

If you have any questions or comments please do not hesitate to call me at 614-424-4098.

Sincerely,



Joe Jacobsen
BCLDP Radiation Safety Officer

ATTACHMENTS: 12 Tables

RECEIVED JUN 29 2006

TABLE 1
RADIOLOGICAL ANALYSES OF BOG AREA MONITORING WELLS
WEST JEFFERSON SITE - CY 2005
pCi/Liter

May 2005

NUCLIDE	WELL 168	WELL C-09
Gross Alpha	236+/- 13.5	2.68 +/- 3.80
Gross Beta	122 +/- 5.17	68.9 +/- 5.17
Co-60	4.47E+00	7.24E+00
Sr-90	4.49E+00 Note 1	1.71E+01 Note 1
Sb-125	1.32E+01	1.51E+01
Cs-134	4.35E+00	5.65E+00
Cs-137	4.79E+00	6.34E+00
Eu-152	1.18E+01	1.37E+01
Eu-154	8.00E+00	9.66E+00
Am-241	1.36E+01	1.46E+01
Pu-238 (a)	6.60E-02	8.90E-02
Pu-239 (a)	1.24E-01 Note 1	1.53E-01 Note 1
U-234 (a)	1.21E+01 Note 1	1.13E+00 Note 1
U-235 (a)	9.00E-01 Note 1	8.80E-02 Note 1
U-238 (a)	1.43E+01 Note 1	7.90E-01 Note 1

Note 1: DENOTES CALCULATED VALUE, ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA
(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY

December 2005

NUCLIDE	WELL 168	WELL C-09
Gross Alpha	No Data Available	3.00E+00
Gross Beta	No Data Available	8.10E+01
Co-60	No Data Available	1.92E+00
Sr-90	No Data Available	2.90E+01 Note 1
Sb-125	No Data Available	4.14E+00
Cs-134	No Data Available	3.41E+00 Note 1
Cs-137	No Data Available	1.84E+00
Eu-152	No Data Available	9.48E+00
Eu-154	No Data Available	2.72E+00
Am-241	No Data Available	1.37E+01
Pu-238 (a)	No Data Available	1.00E+00
Pu-239 (a)	No Data Available	1.00E+00
U-234 (a)	No Data Available	2.33E+00 Note 1
U-235 (a)	No Data Available	1.00E+00
U-238 (a)	No Data Available	2.43E+00 Note 1

Note 1: DENOTES CALCULATED VALUE, ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA
(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY

**EW-3
DARBY CREEK
20 YARDS ABOVE OUTFALL
2004
Monthly Composite**

Collection Date		<i>Gross Alpha</i> (pCi/L)			<i>Gross Beta</i> (pCi/L)		
01/07/04	soluble	1.13	+/-	3.68	2.88	+/-	2.74
TO	insoluble	-1.13	+/-	1.47	-2.12	+/-	3.82
01/27/04	Total	0.00	+/-	3.96	0.76	+/-	4.70
02/04/04	soluble	1.80	+/-	4.06	4.95	+/-	2.95
TO	insoluble	-0.63	+/-	1.40	0.90	+/-	3.47
02/25/04	Total	1.17	+/-	4.29	5.85	+/-	4.55
03/02/04	soluble	-0.50	+/-	2.54	4.25	+/-	2.85
TO	insoluble	-0.65	+/-	1.52	-0.29	+/-	3.95
03/29/04	Total	-1.15	+/-	2.96	3.96	+/-	4.87
04/07/04	soluble	0.45	+/-	2.85	3.49	+/-	2.78
TO	insoluble	-0.23	+/-	1.63	0.81	+/-	4.01
04/27/04	Total	0.22	+/-	3.28	4.30	+/-	4.88
05/06/04	soluble	0.94	+/-	3.58	4.33	+/-	2.60
TO	insoluble	-0.39	+/-	2.09	-2.03	+/-	3.43
05/24/04	Total	0.56	+/-	4.15	2.30	+/-	4.30
06/02/04	soluble	0.93	+/-	3.55	1.60	+/-	2.38
TO	insoluble	-1.41	+/-	1.83	-1.56	+/-	3.46
06/23/04	Total	-0.48	+/-	3.99	0.04	+/-	4.20
07/01/04	soluble	-2.29	+/-	3.30	0.93	+/-	2.35
TO	insoluble	-1.48	+/-	1.68	-2.60	+/-	3.40
07/29/04	Total	-3.77	+/-	3.70	-1.67	+/-	4.13
08/04/04	soluble	-0.03	+/-	2.83	4.25	+/-	2.85
TO	insoluble	-0.70	+/-	1.62	1.05	+/-	4.03
08/31/04	Total	-0.72	+/-	3.26	5.30	+/-	4.94
09/10/04	soluble	-1.38	+/-	2.38	2.72	+/-	2.40
TO	insoluble	-0.60	+/-	1.31	-1.01	+/-	3.36
09/29/04	Total	-1.98	+/-	2.72	1.71	+/-	4.13
10/08/04	soluble	-0.66	+/-	2.83	5.24	+/-	2.61
TO	insoluble	0.23	+/-	1.50	0.74	+/-	3.45
10/29/04	Total	-0.43	+/-	3.20	5.98	+/-	4.33
11/05/04	soluble	1.64	+/-	3.13	2.62	+/-	2.39
TO	insoluble	-0.58	+/-	1.28	-0.37	+/-	3.39
11/24/04	Total	1.06	+/-	3.38	2.25	+/-	4.15
12/02/04	soluble	0.53	+/-	2.90	2.05	+/-	2.34
TO	insoluble	0.23	+/-	1.47	1.48	+/-	3.49
12/29/04	Total	0.76	+/-	3.25	3.53	+/-	4.20

**EW-4
DARBY CREEK
20 YARDS BELOW OUTFALL
2004
Monthly Composite**

Collection Date		Gross Alpha (pCi/L)			Gross Beta (pCi/L)		
01/07/04	soluble	1.20	+/-	3.90	4.32	+/-	2.90
TO	insoluble	-0.91	+/-	1.54	-2.00	+/-	3.82
01/27/04	Total	0.29	+/-	4.19	2.32	+/-	4.80
02/04/04	soluble	-1.18	+/-	2.83	5.16	+/-	2.95
TO	insoluble	-0.48	+/-	1.48	-0.29	+/-	3.40
02/25/04	Total	-1.66	+/-	3.19	4.87	+/-	4.50
03/02/04	soluble	0.45	+/-	2.86	5.01	+/-	2.92
TO	insoluble	0.19	+/-	1.73	-1.15	+/-	3.89
03/29/04	Total	0.64	+/-	3.34	3.86	+/-	4.86
04/07/04	soluble	2.34	+/-	3.41	2.36	+/-	2.68
TO	insoluble	-0.23	+/-	1.63	-0.91	+/-	3.91
04/27/04	Total	2.11	+/-	3.78	1.46	+/-	4.74
05/06/04	soluble	0.58	+/-	3.56	2.19	+/-	2.43
TO	insoluble	-0.51	+/-	1.86	-3.45	+/-	3.35
05/24/04	Total	0.08	+/-	4.02	-1.26	+/-	4.14
06/02/04	soluble	0.62	+/-	3.81	2.21	+/-	2.45
TO	insoluble	-0.69	+/-	1.88	-0.33	+/-	3.53
06/23/04	Total	-0.07	+/-	4.25	1.88	+/-	4.30
07/01/04	soluble	-0.56	+/-	3.40	1.41	+/-	2.37
TO	insoluble	-2.12	+/-	1.55	-2.69	+/-	3.40
07/29/04	Total	-2.68	+/-	3.74	-1.28	+/-	4.14
08/04/04	soluble	2.21	+/-	3.89	3.66	+/-	2.82
TO	insoluble	-0.86	+/-	1.46	0.93	+/-	4.02
08/31/04	Total	1.35	+/-	4.15	4.59	+/-	4.91
09/10/04	soluble	-2.49	+/-	2.45	5.58	+/-	2.66
TO	insoluble	-0.10	+/-	1.43	-0.74	+/-	3.37
09/29/04	Total	-2.59	+/-	2.84	4.84	+/-	4.29
10/08/04	soluble	0.17	+/-	3.09	6.48	+/-	2.70
TO	insoluble	-0.90	+/-	1.19	-2.21	+/-	3.29
10/29/04	Total	-0.73	+/-	3.31	4.27	+/-	4.26
11/05/04	soluble	0.55	+/-	2.99	2.55	+/-	2.41
TO	insoluble	-1.23	+/-	1.10	0.28	+/-	3.43
11/24/04	Total	-0.68	+/-	3.19	2.83	+/-	4.19
12/02/04	soluble	4.63	+/-	3.78	4.14	+/-	2.51
TO	insoluble	0.39	+/-	1.51	1.01	+/-	3.46
12/29/04	Total	5.02	+/-	4.07	5.15	+/-	4.27

**EW-10
SPILLWAY-BELOW DAM
WEST JEFFERSON SITE
2004**

Monthly Composite

Collection Date		Gross Alpha (pCi/L)			Gross Beta (pCi/L)		
01/07/04	soluble	1.89	+/-	3.32	6.55	+/-	3.01
TO	insoluble	-1.35	+/-	1.41	-2.73	+/-	3.78
01/27/04	Total	0.54	+/-	3.61	3.82	+/-	4.83
02/04/04	soluble	1.42	+/-	3.21	4.32	+/-	2.82
TO	insoluble	0.23	+/-	1.82	1.17	+/-	3.48
02/25/04	Total	1.65	+/-	3.69	5.49	+/-	4.48
03/02/04	soluble	2.22	+/-	3.24	5.21	+/-	2.91
TO	insoluble	0.19	+/-	1.73	-3.35	+/-	3.75
03/29/04	Total	2.41	+/-	3.67	1.86	+/-	4.75
04/07/04	soluble	0.43	+/-	2.75	2.96	+/-	2.71
TO	insoluble	-0.23	+/-	1.63	1.66	+/-	4.06
04/27/04	Total	0.20	+/-	3.20	4.62	+/-	4.88
05/06/04	soluble	1.25	+/-	3.49	4.58	+/-	2.59
TO	insoluble	-3.22	+/-	4.86	-1.24	+/-	3.65
05/24/04	Total	-1.97	+/-	5.98	3.34	+/-	4.48
06/02/04	soluble	-1.28	+/-	3.10	4.53	+/-	2.61
TO	insoluble	-5.19	+/-	5.23	-1.75	+/-	3.66
06/23/04	Total	-6.47	+/-	6.08	2.78	+/-	4.50
07/01/04	soluble	-1.92	+/-	2.77	3.71	+/-	2.53
TO	insoluble	-1.75	+/-	1.77	-1.65	+/-	3.45
07/29/04	Total	-3.67	+/-	3.29	2.06	+/-	4.28
08/04/04	soluble	1.34	+/-	3.01	4.21	+/-	2.82
TO	insoluble	-0.86	+/-	1.46	1.66	+/-	4.06
08/31/04	Total	0.48	+/-	3.35	5.87	+/-	4.94
09/10/04	soluble	-1.45	+/-	1.85	4.01	+/-	2.48
TO	insoluble	-1.31	+/-	1.17	-1.11	+/-	3.35
09/29/04	Total	-2.76	+/-	2.19	2.90	+/-	4.17
10/08/04	soluble	0.86	+/-	2.83	8.33	+/-	2.79
TO	insoluble	-0.48	+/-	1.51	0.92	+/-	3.46
10/29/04	Total	0.38	+/-	3.21	9.25	+/-	4.44
11/05/04	soluble	1.55	+/-	2.95	3.25	+/-	2.42
TO	insoluble	0.23	+/-	1.52	-0.46	+/-	3.39
11/24/04	Total	1.78	+/-	3.32	2.79	+/-	4.17
12/02/04	soluble	7.25	+/-	4.12	5.61	+/-	2.60
TO	insoluble	-1.44	+/-	1.09	0.28	+/-	3.43
12/29/04	Total	5.81	+/-	4.26	5.89	+/-	4.30

EW-11
 DARBY CREEK BELOW SPILLWAY
 WEST JEFFERSON SITE
 2004
 Monthly Composite

Collection Date		Gross Alpha (pCi/L)		Gross Beta (pCi/L)		
01/07/04	soluble	1.42	+/- 3.19	5.43	+/- 2.92	
TO	insoluble	-0.69	+/- 1.60	-1.27	+/- 3.87	
01/27/04	Total	0.73	+/- 3.57	4.16	+/- 4.85	
02/04/04	soluble	1.42	+/- 3.19	4.81	+/- 2.87	
TO	insoluble	0.41	+/- 1.80	0.16	+/- 3.43	
02/25/04	Total	1.83	+/- 3.66	4.97	+/- 4.47	
03/02/04	soluble	1.78	+/- 3.13	4.46	+/- 2.85	
TO	insoluble	-0.02	+/- 1.68	-1.64	+/- 3.86	
03/29/04	Total	1.76	+/- 3.55	2.82	+/- 4.80	
04/07/04	soluble	1.83	+/- 3.22	4.21	+/- 2.82	
TO	insoluble	0.44	+/- 1.98	1.05	+/- 4.03	
04/27/04	Total	2.27	+/- 3.78	5.26	+/- 4.92	
05/06/04	soluble	0.55	+/- 3.35	2.75	+/- 2.45	
TO	insoluble	-3.71	+/- 4.22	-0.14	+/- 3.68	
05/24/04	Total	-3.16	+/- 5.39	2.61	+/- 4.42	
06/02/04	soluble	0.19	+/- 3.18	4.96	+/- 2.62	
TO	insoluble	-1.00	+/- 2.73	-0.33	+/- 3.56	
06/23/04	Total	-0.81	+/- 4.19	4.63	+/- 4.42	
07/01/04	soluble	-2.01	+/- 2.90	1.80	+/- 2.40	
TO	insoluble	-1.85	+/- 1.67	-0.04	+/- 3.54	
07/29/04	Total	-3.86	+/- 3.35	1.76	+/- 4.28	
08/04/04	soluble	-1.46	+/- 2.16	3.75	+/- 2.81	
TO	insoluble	-0.45	+/- 1.62	1.42	+/- 4.05	
08/31/04	Total	-1.91	+/- 2.70	5.17	+/- 4.93	
09/10/04	soluble	0.56	+/- 3.05	3.70	+/- 2.50	
TO	insoluble	-0.60	+/- 1.31	1.20	+/- 3.47	
09/29/04	Total	-0.04	+/- 3.32	4.90	+/- 4.28	
10/08/04	soluble	-1.30	+/- 2.23	3.54	+/- 2.44	
TO	insoluble	-0.74	+/- 1.23	-1.48	+/- 3.33	
10/29/04	Total	-2.04	+/- 2.55	2.06	+/- 4.13	
11/05/04	soluble	-0.21	+/- 2.46	2.69	+/- 2.37	
TO	insoluble	-0.10	+/- 1.44	0.83	+/- 3.46	
11/24/04	Total	-0.31	+/- 2.85	3.52	+/- 4.19	
12/02/04	soluble	5.05	+/- 3.68	6.55	+/- 2.66	
TO	insoluble	1.07	+/- 1.69	3.23	+/- 3.58	
12/29/04	Total	6.12	+/- 4.05	9.78	+/- 4.46	

**EW-3
DARBY CREEK
20 YARDS ABOVE OUTFALL
2005
Monthly Composite**

Collection Date		Gross Alpha (pCi/L)			Gross Beta (pCi/L)		
01/07/05	soluble	-0.58	+/-	2.49	2.53	+/-	2.38
TO	insoluble	-1.19	+/-	1.28	0.55	+/-	3.44
01/28/05	Total	-1.77	+/-	2.80	3.08	+/-	4.18
02/04/05	soluble	-0.72	+/-	3.05	3.54	+/-	2.51
TO	insoluble	-0.43	+/-	1.36	-0.09	+/-	3.41
02/25/05	Total	-1.15	+/-	3.34	3.45	+/-	4.23
03/03/05	soluble	1.32	+/-	3.17	4.28	+/-	2.54
TO	insoluble	-1.27	+/-	1.14	0.09	+/-	3.42
03/31/05	Total	0.05	+/-	3.37	4.37	+/-	4.26
04/08/05	soluble	0.93	+/-	3.05	0.25	+/-	2.19
TO	insoluble	-0.47	+/-	1.47	-0.55	+/-	3.38
04/29/05	Total	0.46	+/-	3.39	-0.30	+/-	4.03
05/06/05	soluble	-0.22	+/-	2.59	3.48	+/-	2.46
TO	insoluble	-0.28	+/-	1.46	0.46	+/-	3.44
05/27/05	Total	-0.50	+/-	2.97	3.94	+/-	4.23
06/03/05	soluble	0.54	+/-	2.96	3.48	+/-	2.46
TO	insoluble	-0.60	+/-	1.32	1.38	+/-	3.48
06/23/05	Total	-0.06	+/-	3.24	4.86	+/-	4.26
07/01/05	soluble	0.18	+/-	3.22	3.06	+/-	2.47
TO	insoluble	-1.04	+/-	1.38	0.18	+/-	3.42
07/29/05	Total	-0.86	+/-	3.50	3.24	+/-	4.22
08/04/05	soluble	-1.53	+/-	2.63	3.89	+/-	2.51
TO	insoluble	-0.77	+/-	1.28	-0.92	+/-	3.36
08/25/05	Total	-2.30	+/-	2.92	2.97	+/-	4.19
09/01/05	soluble	-2.16	+/-	2.13	5.66	+/-	2.62
TO	insoluble	-0.63	+/-	1.38	0.92	+/-	3.46
09/29/05	Total	-2.79	+/-	2.54	6.58	+/-	4.34
10/04/05	soluble	3.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	3.00	+/-	0.00	4.00	+/-	0.00
10/25/05	Total	6.00	+/-	0.00	8.00	+/-	0.00
11/04/05	soluble	3.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	3.00	+/-	0.00	4.00	+/-	0.00
11/29/05	Total	6.00	+/-	0.00	8.00	+/-	0.00
12/06/05	soluble	5.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	N/A	+/-	0.00	N/A	+/-	0.00
12/27/05	Total	5.00	+/-	0.00	4.00	+/-	0.00

EW-4
DARBY CREEK
20 YARDS BELOW OUTFALL
2005
Monthly Composite

Collection Date		Gross Alpha (pCi/L)			Gross Beta (pCi/L)		
01/07/05	soluble	-0.22	+/-	2.60	1.29	+/-	2.28
TO	insoluble	-0.60	+/-	1.32	1.20	+/-	3.47
01/28/05	Total	-0.82	+/-	2.92	2.49	+/-	4.15
02/04/05	soluble	0.52	+/-	2.85	3.95	+/-	2.49
TO	insoluble	-0.91	+/-	1.20	-2.77	+/-	3.26
02/25/05	Total	-0.39	+/-	3.09	1.18	+/-	4.10
03/03/05	soluble	0.91	+/-	2.99	5.66	+/-	2.62
TO	insoluble	-0.10	+/-	1.44	2.31	+/-	3.53
03/31/05	Total	0.81	+/-	3.32	7.97	+/-	4.40
04/08/05	soluble	-0.23	+/-	2.75	2.05	+/-	2.34
TO	insoluble	-1.01	+/-	1.33	-0.92	+/-	3.36
04/29/05	Total	-1.24	+/-	3.05	1.13	+/-	4.09
05/06/05	soluble	-1.71	+/-	2.18	2.15	+/-	2.35
TO	insoluble	-0.11	+/-	1.55	0.00	+/-	3.41
05/27/05	Total	-1.82	+/-	2.67	2.15	+/-	4.14
06/03/05	soluble	2.48	+/-	3.43	1.67	+/-	2.31
TO	insoluble	-0.94	+/-	1.23	1.20	+/-	3.47
06/23/05	Total	1.54	+/-	3.64	2.87	+/-	4.17
07/01/05	soluble	0.56	+/-	3.07	3.89	+/-	2.51
TO	insoluble	1.01	+/-	1.85	-2.12	+/-	3.29
07/29/05	Total	1.57	+/-	3.58	1.77	+/-	4.14
08/04/05	soluble	0.17	+/-	3.10	5.14	+/-	2.60
TO	insoluble	-0.28	+/-	1.46	-1.84	+/-	3.31
08/25/05	Total	-0.11	+/-	3.43	3.30	+/-	4.21
09/01/05	soluble	-1.03	+/-	2.57	6.09	+/-	2.67
TO	insoluble	-0.98	+/-	1.29	-0.37	+/-	3.39
09/29/05	Total	-2.01	+/-	2.88	5.72	+/-	4.32
10/04/05	soluble	3.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	3.00	+/-	0.00	4.00	+/-	0.00
10/25/05	Total	6.00	+/-	0.00	8.00	+/-	0.00
11/04/05	soluble	4.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	3.00	+/-	0.00	4.00	+/-	0.00
11/29/05	Total	7.00	+/-	0.00	8.00	+/-	0.00
12/06/05	soluble	3.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	N/A	+/-	0.00	N/A	+/-	0.00
12/27/05	Total	3.00	+/-	0.00	4.00	+/-	0.00

EW-10
 SPILLWAY-BELOW DAM
 WEST JEFFERSON SITE
 2005
 Monthly Composite

Collection Date		Gross Alpha (pCi/L)			Gross Beta (pCi/L)		
01/07/05	soluble	1.00	+/-	2.41	3.32	+/-	2.40
	TO insoluble	-0.45	+/-	1.41	0.65	+/-	3.45
01/28/05	Total	0.55	+/-	2.79	3.97	+/-	4.20
02/04/05	soluble	-0.55	+/-	2.35	2.31	+/-	2.34
	TO insoluble	-0.60	+/-	1.32	-1.57	+/-	3.32
02/25/05	Total	-1.15	+/-	2.70	0.74	+/-	4.06
03/03/05	soluble	-0.72	+/-	3.05	4.51	+/-	2.58
	TO insoluble	0.07	+/-	1.48	1.29	+/-	3.48
03/31/05	Total	-0.65	+/-	3.39	5.80	+/-	4.33
04/08/05	soluble	0.56	+/-	3.06	5.14	+/-	2.60
	TO insoluble	0.82	+/-	1.81	1.57	+/-	3.49
04/29/05	Total	1.38	+/-	3.56	6.71	+/-	4.35
05/06/05	soluble	-1.27	+/-	2.18	4.19	+/-	2.49
	TO insoluble	0.43	+/-	1.67	-0.09	+/-	3.41
05/27/05	Total	-0.84	+/-	2.75	4.10	+/-	4.22
06/03/05	soluble	-0.57	+/-	2.42	3.82	+/-	2.46
	TO insoluble	-0.28	+/-	1.46	0.55	+/-	3.44
06/23/05	Total	-0.85	+/-	2.83	4.37	+/-	4.23
07/01/05	soluble	0.50	+/-	2.70	4.85	+/-	2.54
	TO insoluble	0.43	+/-	1.67	1.29	+/-	3.48
07/29/05	Total	0.93	+/-	3.17	6.14	+/-	4.31
08/04/05	soluble	-1.28	+/-	2.20	3.72	+/-	2.45
	TO insoluble	-0.45	+/-	1.42	0.92	+/-	3.46
08/25/05	Total	-1.73	+/-	2.62	4.64	+/-	4.24
09/01/05	soluble	1.82	+/-	3.46	5.75	+/-	2.63
	TO insoluble	0.07	+/-	1.54	-0.18	+/-	3.40
09/29/05	Total	1.89	+/-	3.79	5.57	+/-	4.30
10/04/05	soluble	5.00	+/-	0.00	4.00	+/-	0.00
	TO insoluble	3.00	+/-	0.00	4.00	+/-	0.00
10/25/05	Total	8.00	+/-	0.00	8.00	+/-	0.00
11/04/05	soluble	4.00	+/-	0.00	5.00	+/-	0.00
	TO insoluble	3.00	+/-	0.00	4.00	+/-	0.00
11/29/05	Total	7.00	+/-	0.00	9.00	+/-	0.00
12/06/05	soluble	3.00	+/-	0.00	4.00	+/-	0.00
	TO insoluble	N/A	+/-	0.00	N/A	+/-	0.00
12/27/05	Total	3.00	+/-	0.00	4.00	+/-	0.00

EW-11
 DARBY CREEK BELOW SPILLWAY
 WEST JEFFERSON SITE
 2005
 Monthly Composite

Collection Date		Gross Alpha (pCi/L)			Gross Beta (pCi/L)		
01/07/05	soluble	0.78	+/-	2.56	5.32	+/-	2.58
TO	insoluble	-0.45	+/-	1.41	-2.31	+/-	3.28
01/28/05	Total	0.33	+/-	2.92	3.01	+/-	4.17
02/04/05	soluble	0.49	+/-	2.69	3.72	+/-	2.46
TO	insoluble	-0.45	+/-	1.41	1.11	+/-	3.47
02/25/05	Total	0.04	+/-	3.04	4.83	+/-	4.25
03/03/05	soluble	0.52	+/-	2.85	5.95	+/-	2.64
TO	insoluble	-0.45	+/-	1.41	-0.28	+/-	3.40
03/31/05	Total	0.07	+/-	3.18	5.67	+/-	4.30
04/08/05	soluble	2.36	+/-	3.26	5.66	+/-	2.62
TO	insoluble	0.08	+/-	1.65	-1.20	+/-	3.34
04/29/05	Total	2.44	+/-	3.65	4.46	+/-	4.24
05/06/05	soluble	5.60	+/-	3.89	6.45	+/-	2.66
TO	insoluble	1.81	+/-	1.89	1.48	+/-	3.49
05/27/05	Total	7.41	+/-	4.32	7.93	+/-	4.39
06/03/05	soluble	2.43	+/-	3.36	3.29	+/-	2.44
TO	insoluble	0.94	+/-	1.72	0.65	+/-	3.45
06/23/05	Total	3.37	+/-	3.77	3.94	+/-	4.23
07/01/05	soluble	0.16	+/-	2.87	4.09	+/-	2.53
TO	insoluble	-0.47	+/-	1.47	2.67	+/-	3.55
07/29/05	Total	-0.31	+/-	3.22	6.76	+/-	4.36
08/04/05	soluble	-0.25	+/-	2.99	2.07	+/-	2.37
TO	insoluble	-0.44	+/-	1.37	1.20	+/-	3.47
08/25/05	Total	-0.69	+/-	3.29	3.27	+/-	4.20
09/01/05	soluble	1.27	+/-	3.04	8.60	+/-	2.82
TO	insoluble	0.42	+/-	1.62	-0.09	+/-	3.40
09/29/05	Total	1.69	+/-	3.44	8.51	+/-	4.42
10/04/05	soluble	3.00	+/-	0.00	3.00	+/-	0.00
TO	insoluble	4.00	+/-	0.00	4.00	+/-	0.00
10/25/05	Total	7.00	+/-	0.00	7.00	+/-	0.00
11/04/05	soluble	3.00	+/-	0.00	3.00	+/-	0.00
TO	insoluble	4.00	+/-	0.00	4.00	+/-	0.00
11/29/05	Total	7.00	+/-	0.00	7.00	+/-	0.00
12/06/05	soluble	3.00	+/-	0.00	4.00	+/-	0.00
TO	insoluble	N/A	+/-	0.00	N/A	+/-	0.00
12/27/05	Total	3.00	+/-	0.00	4.00	+/-	0.00

TABLE 3 GROUNDWATER MONITORING WELL #300

<i>June 2005</i>			<i>Dec 2005</i>	
NUCLIDE	ACTIVITY pCi/Liter		NUCLIDE	ACTIVITY pCi/liter
Gross Alpha	5.21 +/- 4.42		Gross Alpha	5.00E+00
Gross Beta	8.53 +/- 3.19		Gross Beta	7.00E+00
Co-60	4.88E+00		Co-60	1.71E+00
Sr-90	6.70E-01		Sr-90	1.00E+00
Sb-125	1.28E+01		Sb-125	No Data Available
Cs-134	4.81E+00		Cs-134	1.61E+00
Cs-137	5.10E+00		Cs-137	1.59E+00
Eu-152	1.06E+01		Eu-152	8.73E+00
Eu-154	7.44E+00		Eu-154	No Data Available
Am-241	1.28E+01		Am-241	No Data Available
Pu-238 (a)	6.90E-02		Pu-238 (a)	1.00E+00
Pu-239 (a)	4.70E-02		Pu-239 (a)	1.00E+00
U-234 (a)	1.00E+00	Note 1	U-234 (a)	1.00E+00
U-235 (a)	4.80E-02		U-235 (a)	1.00E+00
U-238 (a)	4.70E-01	Note 1	U-238 (a)	1.00E+00

Note 1: DENOTES CALCULATED VALUE. ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA.

(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY

TABLE 5

SUMMARY OF RADIOLOGICAL ANALYSES OF JN-1B CAISSONS BCLDP S&M HISTORICAL DATA

	Gross Alpha pCi/Liter	Gross Beta pCi/Liter
CY 2000 - 1st QUARTER	3	106
CY 2000 - 2nd QUARTER	9	88
CY 2000 - 3rd QUARTER	6	85
CY 2000 - 4th QUARTER	n/a	n/a
CY 2001 - 1st QUARTER	8	114
CY 2001 - 2nd QUARTER	12	69
CY 2001 - 3rd QUARTER	7	93
CY 2001 - 4th QUARTER	9	97
CY 2002 - 1st QUARTER	n/a	n/a
CY 2002 - 2nd QUARTER	5	42
CY 2002 - 3rd QUARTER	4	42
CY 2002 - 4th QUARTER	4	55
CY 2003 - 1st QUARTER	3	131
CY 2003 - 2nd QUARTER	4	46
CY 2003 - 3rd QUARTER	n/a	n/a
CY 2003 - 4th QUARTER	n/a	n/a

SUMMARY OF RADIOLOGICAL ANALYSES OF JN-1B CAISSONS WEST JEFFERSON SITE - DECEMBER 2005

Reporting units: pCi/Liter

NUCLIDE	WELL JN1B East	WELL JN-1B West
Gross Alpha	6.00E+00	3.00E+00
Gross Beta	1.75E+02	1.71E+02
Co-60	1.95E+00	1.32E+00
Sr-90	5.69E+01	5.79E+01
Sb-125	4.68E+00	3.51E+00
Cs-134	1.63E+00	1.06E+00
Cs-137	1.90E+00	5.39E+00
Eu-152	9.24E+00	5.90E+00
Eu-154	3.31E+00	2.29E+00
Am-241	1.42E+01	5.91E+00
Pu-238 (a)	1.00E+00	1.00E+00
Pu-239 (a)	1.00E+00	1.00E+00
U-234 (a)	2.72E+00	1.00E+00
U-235 (a)	2.43E-01	1.00E+00
U-238 (a)	1.87E+00	1.00E+00

Note 1: DENOTES CALCULATED VALUE. ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA

(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY

TABLE 7

SUMMARY OF RADIOLOGICAL ANALYSES OF SUPPLY WELLS WEST JEFFERSON SITE - CY 2005

pCi/Liter

<i>May-05</i> NUCLIDE	NORTH JN-W	MIDDLE JM-W	SOUTH JS-W
Gross Alpha	2.40E+00	4.15	5.81
Gross Beta	4.37	2.69	5.94
Co-60	1.59E+00	2.25E+00	1.62E+00
Sr-90	2.31E+00	2.62E+00	2.54E+00
Sb-125	4.25E+00	5.52E+00	4.30E+00
Cs-134	1.50E+00	2.02E+00	1.51E+00
Cs-137	1.66E+00	2.31E+00	1.68E+00
Eu-152	4.05E+00	4.73E+00	3.97E+00
Eu-154	2.83E+00	3.29E+00	2.77E+00
Am-241	4.53E+00	5.37E+00	4.46E+00
Pu-238	9.67E-02	1.60E-01	1.29E-01
Pu-239	3.56E-02	1.05E-01	7.26E-02
U-234 (a)	1.88E+00 *	1.90E+00 *	1.96E+00 *
U-235 (a)	1.04E-01	3.09E-02	3.71E-02
U-238 (a)	7.13E-01 *	5.12E-01 *	5.20E-01 *

* DENOTES CALCULATED VALUE, ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA

(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY

SUMMARY OF RADIOLOGICAL ANALYSES OF SUPPLY WELLS WEST JEFFERSON SITE - CY 2005

pCi/Liter

<i>Dec-05</i> NUCLIDE	NORTH JN-W	MIDDLE JM-W	SOUTH JS-W
Gross Alpha	3.00E+00	3.00E+00	3.00E+00
Gross Beta	4.00E+00	4.00E+00	4.00E+00
Co-60	1.76E+00	1.27E+00	1.17E+00
Sr-90	1.00E+00	1.00E+00	1.00E+00
Sb-125	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE
Cs-134	1.38E+00	1.06E+00	9.87E+00
Cs-137	1.66E+00	1.12E+00	1.22E+00
Eu-152	9.13E+00	5.34E+00	6.33E+00
Eu-154	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE
Am-241	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE
Pu-238	1.00E+00	1.00E+00	1.00E+00
Pu-239	1.00E+00	1.00E+00	1.00E+00
U-234 (a)	1.45E+00 *	1.90E+00 *	1.68E+00 *
U-235 (a)	1.00E+00	1.00E+00	1.00E+00
U-238 (a)	1.00E+00	1.00E+00	1.00E+00

* DENOTES CALCULATED VALUE, ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA

(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY