

**TABLE 1. BCLDP GROUNDWATER MONITORING WELLS
WEST JEFFERSON SITE**

WELL ID	WELL DEPTH (ft)	ELEVATION OF TOP OF CASING	Jun-00	DEPTH TO WATER (ft)	Nov-00	DEPTH DIFFERENCE
JN*	138	N/A	N/A		N/A	N/A
JM*	162	N/A	N/A		N/A	N/A
JS*	130	N/A	N/A		N/A	N/A
C-03	13.10	912.15	5.57		7.83	-2.26
C-09	10.60	895.32	3.13		3.19	-0.06
C-16	15.50	911.95	7.34		8.31	-0.97
100	21.72		11.95		11.86	0.09
101	12.67		8.35		9.35	-1.00
103	12.67	864.90	9.47		9.54	-0.07
110	17.60		9.68		9.84	-0.16
116	17.40		4.35		9.15	-4.80
118	12.68	863.64	8.13		7.79	0.34
150	11.68	894.46	3.45		3.69	-0.24
155	16.91	898.46	5.52		5.87	-0.35
168	11.85	894.62	3.50		3.71	-0.21
172	12.09	895.00	3.46		3.78	-0.32
206	21.60	910.78	7.56		8.66	-1.10
300	37.60		24.12		23.57	0.55
306	16.60	913.20	5.55		6.10	-0.55
506	12.90	909.72	3.85		8.74	-4.89
601	11.10	913.10	4.30		6.74	-2.44

* DENOTES ACTIVE SUPPLY WELL

CASING ELEVATION IN ft MSL

JT 7/05

Table 2. Strontium-90 Concentrations in the Groundwater of West Jefferson North Site's Shallow Monitoring Wells during Calendar Years 2000 and 2001¹

Well Number	CY 2000 Sr 90 (pCi/L)	CY 2001 Sr 90 First Semi-Annual Sample (pCi/L)	CY 2001 Sr 90 Second Semi-Annual Sample (pCi/L)
100	2	<1	2
101	3	2	3
103	4	3	4
110R	<1	3	<1
116R	<1	<1	<1
118	5	3	5
150	<1		<1
155	1	<1	1
168	10	9	10
172	7	7	7
206	<1	<1	<1
300	11	<1	11
306	2	<1	2
506	2	<1	2
601	<1	1	<1
C03	1	2	1
C09	16	14	16
C16	<1	<1	<1

¹From the U.S. Nuclear Regulatory Commission Region III-Decommissioning Branch's NRC Inspection Report No. 070-00008/05-002. Initially revised from *BCLDP Site Environmental Report Calendar Year 2000 on Radiological and Nonradiological Parameters* where the calendar year (CY) 2000 values are the average of two sampling periods. Bolded Analytical results equal or exceed the U.S. EPA's maximum contamination limit (MCL).

Table 3. Gross Alpha, Gross Beta, and Strontium-90 Concentrations in the Groundwater of West Jefferson North Site's Shallow Monitoring Wells during Calendar years 2002 through 2005¹

Well No.	Battelle 2002 ²			Battelle 2003 ²			Battelle 2004 ²			Battelle 2005							NRC 2005 ³	
	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Sr 90 (pCi/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Sr 90 (pCi/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Sr 90 (pCi/L)	May ⁴ Gross Alpha (pCi/L)	May ⁴ Gross Beta (pCi/L)	May ⁴ Sr 90 (pCi/L)	June ⁵ Gross Alpha (pCi/L)	June ⁵ Gross Beta (pCi/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Well No and Sr 90 (pCi/L)	
100	4/1	5/5	2/2	1/1	4/3	2/2	6/4	11/7	2/2	6	7	2	1	4	3 ^{5e}	5 ^{4e}	(100) 2 100D ⁶ 2	
101	1/8	2/18	2/5	18/4	27/8	4/3	2/7	9/13	3/3	NS	NS	NS	NS	NS	NS	NS	(101) NS	
103	1/1	9/9	4/5	1/1	6/9	4/4	13/1	12/11	3/4	NS	NS	NS	NS	NS	NS	NS	(103) NS	
110R	4/6	7/15	2/2	6/4	26/9	2/2	7/7	18/22	1/2	52	58	1	NS	NS	NS	NS	(110R) NS	
116R	1/5	3/9	2/2	3/5	7/8	22	0/	0/0	NS	NS	NS	NS	NS	NS	NS	NS	(116R) NS	
118	3/9	10/17	6/6	7/9	13/15	5/5	1/8	11/17	4/5	2	10	2	4	10	2 ^{6e}	7 ^{8e}	(118) 2 118D ⁶ 1	
150	2/9	3/8	2/2	1/3	5/6	2/2	4/4	6/8	2/1	NS	NS	NS	NS	NS	NS	NS	(150) NS	
155	2/4	5/7	3/2	1/3	1/2	2/2	1/3	5/10	2/2	NS	NS	NS	NS	NS	NS	NS	(155) NS	
168	7/9	24/15	10/8	2/7	17/26	8/9	2/3	21/28	8/9	28	30	5	22	29	3	76	(168) 46	
172	10/6	16/19	9/7	1/9	16/15	10/9	1/10	18/25	10/9	NS	NS	NS	NS	NS	NS	NS	(172) NS	
206	2/8	4/8	2/2	2/3	1/3	2/	1/0	5/4	1/1	4	4	2	4	5	4	3	(206) 1	
300	4/8	5/12	2/2	2/4	4/7	2/2	5/1	9/11	2/1	5	9	1	NS	NS	NS	NS	(300) NS	
306	9/5	8/7	2/2	1/7	16/6	2/2	0/17	0/20	NS/2	6	13	1	6	11	5	22	(306) 5	
506	9/10	5/12	2/2	1/3	4/6	2/2	5/12	7/8	2/1	6	9	1	10	13	2	5	(506) 2	
601	4/1	1/1	2/2	11/25	5/14	2/2	20/3	36/6	2/1	1	4	1	44	70	22	46	(601) 2	
C03	6/6	5/11	2/4	8/10	3/15	2/2	13/6	14/14	2/1	21	86	1	NS	NS	NS	NS	(C03) NS	
C09	7/9	19/26	12/12	2/7	34/25	15/15	8/14	19/61	7/30	3	68	17	2	104	1	12	(C09) 0	
C16	1/3	1/5	2/2	1/1	2/1	2/2	3/4	21/7	2/1	2	4	1	5	6	1	2	(C16) 0	

¹From the U.S. Nuclear Regulatory Commission Region III-Decommissioning Branch's NRC Inspection Report No. 070-00008/05-002. Initially from Battelle's Semi-annual Environmental Sample Collection. Bolded Analytical results equal or exceed the U.S. EPA's maximum contamination