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Legend
LSBP Groundwater Analytical Results
August and November 2001

exceeds the GWPC established in the CT RSRs

half the detection limit exceeds the GWPC established in the CT RSRs

NE	not established
NA	not analyzed
ND	not detected above concentration found in parentheses
J	estimated value; concentration detected above MDL but below PQL
CT RSRs	Connecticut Remediation Standard Regulations
GWPC	Groundwater Protection Criteria

Table 4
LSBP Groundwater Analytical Results
Metals
August and November 2001

Analyte	CT RSRs GWPC	MW-1R Aug 2001	MW-1R Nov 2001	MW-1S Aug 2001	MW-1S Nov 2001	MW-2R Oct 2001	MW-2R Nov 2001
Dissolved Metals (ug/l)							
ALUMINUM	NE	33.6 J	ND (32.0)	44.2 J	ND (32.0)	ND (32.0)	ND (32.0)
ANTIMONY	6.0	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	2.7 J
ARSENIC	50.0	ND (1.4)	ND (1.4)	ND (1.4)	2.8 J	ND (1.4)	9.7
BARIUM	1,000	15.3	17.8	5.5	6.3	11.8	11.5
BERYLLIUM	4.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CADMIUM	5.0	4.2	ND (.64)	ND (.64)	ND (.64)	1.0 J	.86 J
CALCIUM	NE	21,100	21,100	9,350	11,600	211,000	186,000
CHROMIUM	NE	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	2520	3950
COBALT	NE	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
COPPER	1,300	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	3.1 J	ND (2.4)
IRON	NE	ND (38.0)	ND (38.0)	ND (38.0)	ND (38.0)	ND (38.0)	ND (38.0)
LEAD	15.0	ND (1.8)	ND (1.8)	4.1	2.1 J	ND (1.8)	ND (1.8)
MAGNESIUM	NE	2,260	2,250	2,140	2,540	27,500	25,800
MANGANESE	NE	1.3 J	1.4 J	ND (.62)	ND (.62)	1380	1140
MERCURY	2.0	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)
NICKEL	100	ND (1.6)	ND (2.3)	ND (1.6)	ND (2.3)	2.4 J	2.5 J
POTASSIUM	NE	1,960	2,130	1,770	2,200	4,110	4,270
SELENIUM	50.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
SILVER	36.0	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
SODIUM	NE	13,300	11,900	5,160	5,790	32,800	37,800
THALLIUM	5.0	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (3.1)	.69 J
VANADIUM	50.0	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
ZINC	5,000	3.6 J	11.6 J	ND (3.2)	17.4 J	14.0 J	16.6 J
Total Metals (ug/l)							
ALUMINUM	NE	49.2 J	36.8 J	ND (32.0)	ND (32.0)	36.2 J	ND (32.0)
ANTIMONY	6.0	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
ARSENIC	50.0	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
BARIUM	1,000	17.5	19.8	5.5	6.0	12.4	11.1
BERYLLIUM	4.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CADMIUM	5.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	.79 J	.79 J
CALCIUM	NE	22,100	22,000	9,510	11,200	215,000	169,000
CHROMIUM	NE	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	2560	4410
COBALT	NE	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
COPPER	1,300	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	4.3	4.5
IRON	NE	87.0 J	64.3 J	ND (38.0)	43.7 J	ND (38.0)	ND (38.0)
LEAD	15.0	ND (1.8)	ND (1.8)	3.8	ND (1.8)	ND (1.8)	ND (1.8)
MAGNESIUM	NE	2,240	2,260	2,130	2,450	28,000	22,400
MANGANESE	NE	3.2	2.9	2.2	.95 J	1410	1040
MERCURY	2.0	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)
NICKEL	100	1.8 J	ND (2.3)	ND (1.6)	ND (2.3)	ND (1.6)	2.7 J
POTASSIUM	NE	1,840	2,070	1,700	2,120	4,220	3,880
SELENIUM	50.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
SILVER	36.0	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
SODIUM	NE	13,100	11,500	5,320	4,970	33,900	37,900
THALLIUM	5.0	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (3.1)	ND (.33)
VANADIUM	50.0	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
ZINC	5,000	17.7 J	19.8 J	5.0 J	16.8 J	12.8 J	14.4 J

Table 4
LSBP Groundwater Analytical Results
Metals
August and November 2001

Analyte	CT RSRs GWPC	MW-3R Aug 2001	MW-3R Nov 2001	MW-4R Aug 2001	MW-4R Nov 2001	MW-5S Aug 2001	MW-5S Nov 2001
Dissolved Metals (ug/l)							
ALUMINUM	NE	71.3 J	ND (32.0)	100 J	ND (32.0)	92.4 J	ND (32.0)
ANTIMONY	6.0	ND (2.4)	ND (2.4)	3.6 J	ND (2.4)	2.6 J	ND (2.4)
ARSENIC	50.0	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
BARIUM	1,000	3.6	3.5	11.6	10.7	12.6	5.2
BERYLLIUM	4.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CADMIUM	5.0	10.2	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CALCIUM	NE	17,100	16,800	8,080	7,980	5,380	4,440
CHROMIUM	NE	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
COBALT	NE	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
COPPER	1,300	ND (2.4)	ND (2.4)	4.6	3.2 J	ND (2.4)	2.4 J
IRON	NE	ND (38.0)	ND (38.0)	ND (38.0)	ND (38.0)	124	123
LEAD	15.0	ND (1.8)	ND (1.8)	6.1	ND (1.8)	ND (1.8)	ND (1.8)
MAGNESIUM	NE	5,900	6,080	4,300	4,090	2,060	1,680
MANGANESE	NE	.74 J	ND (.62)	1.4 J	1.9 J	323	289
MERCURY	2.0	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)
NICKEL	100	ND (1.6)	ND (2.3)	5.0 J	4.9 J	2.7 J	ND (2.3)
POTASSIUM	NE	2,100	2,440	1,300	1,390	903	905
SELENIUM	50.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
SILVER	36.0	1.8 J	ND (1.3)	ND (1.3)	ND (1.3)	2.1 J	ND (1.3)
SODIUM	NE	12,400	13,500	6,340	6,620	25,800	35,500
THALLIUM	5.0	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)
VANADIUM	50.0	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
ZINC	5,000	17.6 J	12.4 J	25.7	34	9.5 J	11.9 J
Total Metals (ug/l)							
ALUMINUM	NE	ND (32.0)	ND (32.0)	89.8 J	35.7 J	194 J	166 J
ANTIMONY	6.0	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
ARSENIC	50.0	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
BARIUM	1,000	3.4	3.7	11.3	11.0	12.9	11.9
BERYLLIUM	4.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CADMIUM	5.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CALCIUM	NE	16,900	17,200	8,000	7,820	5,260	4,480
CHROMIUM	NE	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
COBALT	NE	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	2.3 J	ND (1.8)
COPPER	1,300	ND (2.4)	3.6 J	4.8	6.8	2.6 J	6.3
IRON	NE	ND (38.0)	102	ND (38.0)	76.8 J	2,560	3120
LEAD	15.0	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
MAGNESIUM	NE	5,840	6,000	4,260	3,960	2,030	1,670
MANGANESE	NE	.88 J	1.9 J	1.7 J	2.8	326	310
MERCURY	2.0	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)	ND (.026)
NICKEL	100	ND (1.6)	ND (2.3)	5.8	4.2 J	ND (1.6)	ND (2.3)
POTASSIUM	NE	2,040	2,110	1,270	1,170	820	862
SELENIUM	50.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
SILVER	36.0	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
SODIUM	NE	12,300	12,300	6,330	5,800	25,400	35,700
THALLIUM	5.0	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)
VANADIUM	50.0	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	3.0 J
ZINC	5,000	16.2 J	6.2 J	57.8	26.6	8.9 J	11.8 J

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Table 4
LSBP Groundwater Analytical Results
Metals
August and November 2001

Analyte	CT RSRs GWPC	MW-6R Aug 2001	MW-6R Nov 2001	MW-7R Nov 2001	MW-7S Nov 2001	MW-8R Aug 2001	MW-8R Nov 2001
Dissolved Metals (ug/l)							
ALUMINUM	NE	36.6	ND (32.0)	ND (32.0)	ND (32.0)	66.3 J	ND (32.0)
ANTIMONY	6.0	ND (2.4) J	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
ARSENIC	50.0	ND (1.4) J	ND (1.4)	6.9	1.4 J	ND (1.4)	16.9
BARIUM	1,000	5.8	6.9	9.0	39.7	14.5	13.7
BERYLLIUM	4.0	ND (.64) J	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CADMIUM	5.0	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CALCIUM	NE	11,600	12,000	103,000	38,000	33,600	36,700
CHROMIUM	NE	ND (1.7) J	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
COBALT	NE	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
COPPER	1,300	ND (2.4)	ND (2.4)	3.6 J	7.6	ND (2.4)	ND (2.4)
IRON	NE	ND (38.0)	ND (38.0)	ND (38.0)	75.4 J	ND (38.0)	ND (38.0)
LEAD	15.0	ND (1.8) J	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
MAGNESIUM	NE	2,010	2,160	6,470	7,260	5,290	5,210
MANGANESE	NE	ND (.62)	ND (.62)	ND (.62)	748	164	157
MERCURY	2.0	ND (.026) J	ND (.026)	ND (.026)	.072 J	ND (.026)	ND (.026)
NICKEL	100	ND (1.6) J	ND (2.3)	ND (2.3)	ND (2.3)	ND (1.6)	ND (2.3)
POTASSIUM	NE	1,630	1,880	2,770	5,170	3,730	4,060
SELENIUM	50.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
SILVER	36.0	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
SODIUM	NE	3,050	3,810	31,700	44,700	31,900	31,900
THALLIUM	5.0	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)
VANADIUM	50.0	ND (1.6) J	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
ZINC	5,000	9.4	9.3 J	8.9 J	21.0	4.5 J	19.0 J
Total Metals (ug/l)							
ALUMINUM	NE	151	73.2 J	45.5 J	6,120	38.8 J	ND (32.0)
ANTIMONY	6.0	ND (2.4) J	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
ARSENIC	50.0	ND (1.4) J	ND (1.4)	6.3	4.0 J	ND (1.4)	2.3 J
BARIUM	1,000	7.8	7.6	9.0	64.0	15.0	13.9
BERYLLIUM	4.0	ND (.64) J	ND (.64)	ND (.64)	ND (.64)	ND (.64)	ND (.64)
CADMIUM	5.0	ND (.64)	ND (.64)	ND (.64)	.74 J	ND (.64)	ND (.64)
CALCIUM	NE	11,200	12,000	102,000	45,700	34,200	36,000
CHROMIUM	NE	ND (1.7) J	ND (1.7)	ND (1.7)	7.9	ND (1.7)	ND (1.7)
COBALT	NE	1.8	ND (1.8)	ND (1.8)	5.3	ND (1.8)	ND (1.8)
COPPER	1,300	ND (2.4)	ND (2.4)	4.2	38.8	ND (2.4)	ND (2.4)
IRON	NE	150	ND (38.0)	ND (38.0)	7,520	ND (38.0)	40.2 J
LEAD	15.0	ND (1.8)	ND (1.8)	ND (1.8)	46.8	5.9	ND (1.8)
MAGNESIUM	NE	2,010	2,190	6,410	9,970	5,370	5,160
MANGANESE	NE	3.9	1.4 J	50.2	1080	207	173
MERCURY	2.0	ND (.026) J	ND (.026)	ND (.026)	0.22	ND (.026)	ND (.026)
NICKEL	100	ND (1.6) J	ND (2.3)	ND (2.3)	9.6	1.9 J	ND (2.3)
POTASSIUM	NE	1,640	1,920	2,760	6,640	3,740	3,970
SELENIUM	50.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
SILVER	36.0	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
SODIUM	NE	3,350	3,830	32,300	52,900	32,200	31,400
THALLIUM	5.0	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)	ND (.33)
VANADIUM	50.0	ND (1.6) J	ND (1.6)	ND (1.6)	12.5	ND (1.6)	ND (1.6)
ZINC	5,000	10.1	53.8	17.9 J	60.3	4.3 J	16.6 J