

Grid Location	Location Area	Monitoring Well No.	Screen Interval (ft bgs)	Soil Type Expected Across Screen Interval ¹ .	Well Sampled for Phase A? (y/n)	Perchlorate (EPA 314.0)	Hex Cr (EPA 7199)	Metals	VOCs ² (EPA 8260)	Wet Chemistry (a)	OCPs ³ (EPA 8081A)	SVOCs ⁴ (EPA 8270C)	Radio-nuclides ⁵	Rationale
Wells are organized by grid location as shown on Plate A - Starting point is on the northwestern-most grid in Area III (N-7) and ending with the southeastern-most grid covering Area III (Q-9).														
N-7	IIIW	M-34	25 - 40	Qal/MCf1	no	X	X	X	X	X	X	X	X	Located to serve as a downgradient step out for LOU 46; as a cross-gradient step out for LOUs 20, 22, 23, and 60; and for general Site coverage.
N-7	III	M-35	25 - 40	Qal/MCf1	no	X	X	X	X	X	X	X	X	Located to serve as a downgradient step out for LOUs 24 and 46; as an crossgradient step out for LOU 21; and for general Site coverage.
M-8	IIIN	M-19	14.5 - 34.5	Qal/MCf1	no	X	X	X	X	X	X	X	X	Located to serve as a downgradient step out for LOU 21 and for general Site coverage.
O-6	III	M-50	39.6 - 59.6	MCf1	no	X	X	X	X	X	X	X	X	Located to evaluate LOU 34W; as an upgradient step out for LOU 60; and for general Site coverage.
N-9	IIIE	CLD-4R	nr	nr	no	X	X	X	X	X	X	X	X	Serves as a step out downgradient well for LOUs 24 and 46; as a step out upgradient well for LOU 21; as a cross-gradient step out to LOUs 59 and 60; and general Site coverage located on Timet.
O-8	III	M-33	30 - 45	MCf1	no	X	X	X	X	X	X	X	X	Located to serve as a downgradient step out for LOU 59; as upgradient step out for LOUs 24 and 46; and for general Site coverage.
O-10	IIIE	CLU1	nr	nr	no	X	X	X	X	X	X	X	X	Serves as a step out downgradient for LOUs 34E, 47, 48, 51, and Area 70 (former U.S. Vanadium), and general Site coverage located on Timet.
P-7	III	M-31A	35 - 55	MCf1	yes	X	X	X	X	X	X	X	X	Located to serve as a downgradient step out for LOU 59; as an upgradient step out for LOUs 24 and 46; as a crossgradient step out for LOUs 20, 21, 22, and 23; and for general Site coverage.
P-7	III	M-52	34.5 - 44.5	MCf1	no	X	X	X	X	X	X	X	X	Located to evaluate LOUs 34E, 47 through 51, and Area 70 (former U.S. Vanadium); as a crossgradient step out for LOUs 20, 21, 22, 23, and 60; and for general Site coverage.
P-7	III	M-141	TBD	TBD	new well	X	X	X	X	X	X	X	X	New monitoring well co-located with boring SA140 to evaluate LOUs 49 and 50.
P-8	III	M-77	29 - 43.8	Qal/MCf1	no	X	X	X	X	X	X	X	X	Located to evaluate LOUs 34E, 47 through 51 and Area 70 (former U.S. Vanadium); as a downgradient step out for LOUs 33, 40, and 61; as a crossgradient step out for LOU 59; and for general Site coverage.
Q-6	IIIN	M-12A	28-48	MCf1	yes	X	X	X	X	X	X	X	X	Located to serve as a upgradient step out for LOUs 20, 22, and 23 and for general Site coverage.
Q-7	III	M-11	33.3 - 53	Qal/MCf1	yes	X	X	X	X	X	X	X	X	Located as a downgradient step out for LOU 61; as an upgradient step out for LOUs 34E, 47 through 51 and Area 70 (former U.S. Vanadium); as a crossgradient step out for LOUs 20, 22, 23, and 60, and for general Site coverage.
Q-8	III	M-122	TBD	TBD	new well	X	X	X	X	X	X	X	X	New monitoring well located to serve as a downgradient step out for LOUs 37, 44, and 60; as an upgradient step out for LOUs 34E, 47, 48, 51, 59 and Area 70 (former U.S. Vanadium); to evaluate possible offsite sources to the east; and for general Site coverage.
Q-9	IIIE	MW-6R	39.67 - 59.67	nr	no	X	X	X	X	X	X	X	X	Located to serve as a downgradient step out for LOUs 37 and 44; as a crossgradient step out for LOUs 59 and 60; to evaluate possible offsite sources to the east; and for general Site coverage.
R-8	III	M-139	TBD	TBD	new well	X	X	X	X	X	X	X	X	Located as an upgradient step out for LOUs 37 and 44, and general site coverage.
R-8	III	M-145	TBD	TBD	new well	X	X	X	X	X	X	X	X	New monitoring well located to serve as a crossgradient step out for LOU 44, to evaluate possible offsite sources to the east; and for general Site coverage.
R-8	III	M-29	22-42	MCf1	no	X	X	X	X	X	X	X	X	Located to evaluate groundwater conditions beneath the Unit 6 building for LOUs 44 and 37.
S-7	IIIS	M-10	43 - 63	MCcg1	no	X	X	X	X	X	X	X	X	Located as a downgradient step out for LOUs 33, 40, and 61; and for general Site coverage.
Number of Field Samples:						19	19	19	19	19	19	19	19	
QA/QC Samples:														
Field Duplicates (10%)						2	2	2	2	2	2	2	2	
Field Blanks						1	1	1	1	1	1	1	1	
Equipment Rinsate Blanks						10	10	10	10	10	10	10	10	
Trip Blank Samples						0	0	0	5	0	0	0	0	
Matrix Spike (5%)						1	1	1	1	1	1	1	1	
Matrix Spike Duplicate (5%)						1	1	1	1	1	1	1	1	
Total Samples:						34	34	34	39	34	34	34	34	

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Notes:														
X	Sample will be collected and analyzed.													
1	It is anticipated that the large majority of the flow to the well will be from the coarse-grained sediments. As such, in the cases where there are two lithologies present across the screen interval, the water sampled will represent conditions in the coarse-grained interval.													
2	VOCs = Volatile organic compounds (to include analysis for naphthalene).													
3	OCPs = Organochlorine pesticides (to include analysis for hexachlorobenzene).													
4	SVOCs = Semi volatile organic compounds.													
5	Radionuclides consists of alpha spec reporting for isotopic Thorium and isotopic Uranium, and Radium-226, plus Radium-228 by beta counting (per NDEP).													
(a)	Complete list of wet chemistry parameters are shown on Table 1. All groundwater samples will have pH measured in the field.													
IIIN/E/W/S	Well located outside (north, east, west, or south) of Area III.													
TBD	To be determined when well is constructed.													
nr	Not recorded in the All Wells Database (June 2008).													
MCfg1	Muddy Creek Formation - first fine-grained facies													
MCcg1	Muddy Creek Formation - first coarse-grained facies													