

TABLE 2.3-4  
2015 Comprehensive Sampling Program

Location Type	Location ID	Area	Rock Type	Rationale	Parameters			
					VOCs	Chromium	1,4-Dioxane	Cyanide
Collection Well	CW-1	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-1A	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-2	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-3	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-4	NPBA	Quartzite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-5	NPBA	Quartzite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-6	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-7	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-7A	NPBA	Phyllite	Groundwater Extraction Well/NPBA Annual Monitoring	X			
Collection Well	CW-9	WPL	Carbonate	Groundwater Extraction Well	X			
Collection Well	CW-13	WPL	Carbonate	Groundwater Extraction Well	X			
Collection Well	CW-15A	WPL	Carbonate	Groundwater Extraction Well	X		X	
Collection Well	CW-17	WPL	Carbonate	Groundwater Extraction Well	X			
Monitoring Well	CW-18	Bldg 2	Carbonate	Bldg 58 Area response to CW-8 shutdown	X			
Collection Well	CW-20	WPL	Carbonate	Groundwater Extraction Well	X			
Monitoring Well	MW-3	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-9	NPBA	Phyllite	NPBA Annual Monitoring	X			
Monitoring Well	MW-11	NPBA	Phyllite	NPBA Annual Monitoring	X			
Monitoring Well	MW-12	NPBA	Phyllite	NPBA Annual Monitoring	X			
Monitoring Well	MW-15	EPBA	Quartzite	Eastern Property Boundary for RAA	X			
Monitoring Well	MW-16D	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-16S	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-18D	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-18S	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-20D	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-20S	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-20M	NPBA	Quartzite	NPBA Annual Monitoring	X			
Monitoring Well	MW-22	EPBA	Quartzite	Eastern Property Boundary for RAA	X			
Monitoring Well	MW-28	Bldg 2	Carbonate	Footprint of YCIDA Building-Monitoring recommended	X			
Monitoring Well	MW-32D	Bldg 2	Carbonate	Footprint of YCIDA Building-Monitoring recommended	X			
Monitoring Well	MW-32S	Bldg 2	Carbonate	Footprint of YCIDA Building-Monitoring recommended	X			
Monitoring Well	MW-37D	WWPL	Carbonate	System Shutdown Monitoring - CW-20 pumping	X			
Monitoring Well	MW-37S	WWPL	Carbonate	System Shutdown Monitoring - CW-20 pumping	X			
Monitoring Well	MW-45	WPL	Carbonate	Monitor down gradient of YCIDA Bldg	X			
Monitoring Well	MW-46	WPL	Carbonate	Monitor down gradient of YCIDA Bldg	X			
Monitoring Well	MW-47	WPL	Carbonate	Monitor downgradient of potential Cr source/YCIDA Bldg	X	X		
Monitoring Well	MW-49D	NBldg4	Carbonate	Monitor down gradient of YCIDA Bldg	X			
Monitoring Well	MW-49S	NBldg4	Carbonate	Dn gradient of YCIDA Bldg/1,4-dioxane exceeds MSC	X		X	
Monitoring Well	MW-57	Bldg 58	Overburden	SW of Bldg58 Area-establish trend after CW-8 shutdown	X			
Monitoring Well	MW-64D	SPBA	Carbonate	Monitor along SPBA Perimeter	X			
Monitoring Well	MW-64S	SPBA	Overburden	Monitor along SPBA Perimeter	X			
Monitoring Well	MW-75D	WPL	Carbonate	South WPL/SD - CW-20 pumping	X			
Monitoring Well	MW-75S	WPL	Carbonate	South WPL/SD - CW-20 pumping	X			
Monitoring Well	MW-81D	WBldg2 Corr	Carbonate	Footprint of YCIDA Building-Monitoring recommended	X			
Monitoring Well	MW-81S	WBldg2 Corr	Carbonate	Footprint of YCIDA Building-Monitoring recommended	X			
Monitoring Well	MW-82	North Property	Carbonate	Perimeter/NPBA monitoring	X			
Monitoring Well	MW-87	Bldg 58	Carbonate	Bldg58 Plume Area-establish trend after CW-8 shutdown	X		X	
Monitoring Well	MW-88	SPBA	Carbonate	SW of Bldg58 Area-establish trend after CW-8 shutdown	X			
Monitoring Well	MW-91	EPBA	Quartzite	Eastern Property Boundary for RAA	X			
Monitoring Well	MW-92	EPBA	Quartzite	Eastern Property Boundary for RAA	X			
Monitoring Well	MW-93D	WPL	Carbonate	System Shutdown Monitoring	X			
Monitoring Well	MW-93S	WPL	Carbonate	System Shutdown Monitoring	X			
Monitoring Well	MW-94	E of Bldg 2	Carbonate	YCIDA Concrete Pad-maintain trend upgradient of YCIDA Bldg	X			
Monitoring Well	MW-102D	NETT	Quartzite	Monitor for chemistry trends/NPBA Annual monitoring	X			
Monitoring Well	MW-102S	NETT	Overburden	Monitor for chemistry trends/NPBA Annual monitoring	X			
Monitoring Well	MW-103D	NETT	Quartzite/Carb	Monitor for chemistry trends/NPBA Annual monitoring	X			
Monitoring Well	MW-103S	NETT	Overburden	Monitor for chemistry trends/NPBA Annual monitoring	X			
Monitoring Well	MW-110	Off-site	Carbonate	SPBA and South of Site-monitor for trend	X			
Monitoring Well	MW-113	Bldg 58	Carbonate	Building 58 Plume Area-monitor for trend after CW-8 shutdown	X		X	
Monitoring Well	MW-114	W Bldg2 Corridor	Carbonate	Footprint of YCIDA Building-Monitoring recommended/SD	X			
Monitoring Well	MW-127	Bldg 58	Carbonate	Part 2 SRI well/Bldg 58	X		X	
Monitoring Well	MW-129	Bldg 58	Carbonate	Part 2 SRI well/Bldg 58	X		X	
Monitoring Well	MW-131	Bldg 2	Carbonate	Footprint of YCIDA Building-Monitoring recommended/SD	X		X	
Monitoring Well	MW-132	Bldg 2	Carbonate	Part 2 SRI well/Bldg 58-SD	X		X	
Monitoring Well	MW-134	W Bldg2 Corridor	Carbonate	Footprint of YCIDA Building-Monitoring recommended/SD	X		X	
Waterloo MLS	MW-136A (270-348)	WPL	Carbonate	Monitor changes around CW-20	X			
Waterloo MLS	MW-136A (356-356.5)	WPL	Carbonate	Monitor changes around CW-20	X			
Waterloo MLS	MW-136A (372.5-373)	WPL	Carbonate	Monitor changes around CW-20	X			
Waterloo MLS	MW-136A (434-434.5)	WPL	Carbonate	Monitor changes around CW-20	X			
Waterloo MLS	MW-136A (459.5-460)	WPL	Carbonate	Monitor changes around CW-20	X			
Monitoring Well	MW-142D	NPBA	Phyllite	Part 2 SRI well/NPBA Annual Monitoring	X			
Monitoring Well	MW-142S	NPBA	Phyllite	Part 2 SRI well/NPBA Annual Monitoring	X			
Monitoring Well	MW-143D	NPA	Carbonate	Part 2 SRI well/NPBA Annual Monitoring	X			
Monitoring Well	MW-143S	NPA	Overburden	Part 2 SRI well/NPBA Annual Monitoring	X			
Monitoring Well	MW-147A	WWPL	Carbonate	Part 2 SRI well/SD Monitoring	X			
Monitoring Well	MW-161	Off-site/SPBA	Overburden	Part 2 SRI well-establish trend in new well	X			
Monitoring Well	MW-162	Off-site/SPBA	Overburden	Part 2 SRI well-establish trend in new well	X			
Monitoring Well	MW-163	Off-site/SPBA	Carbonate	Part 2 SRI well-establish trend in new well	X			
Monitoring Well	MW-166	Off-site/SPBA	Overburden	Part 2 SRI well-establish trend in new well	X			
Monitoring Well	MW-167	Off-site/SPBA	Overburden	Part 2 SRI well-establish trend in new well	X			
Monitoring Well	MW-168	Off-site/SPBA	Overburden	Part 2 SRI well-establish trend in new well	X			
Residential Well	RW-2	Off-site/NPBA		NPBA Annual Monitoring	X			
Residential Well	RW-4 Folk	Off-site/NPBA	Phyllite	NPBA Annual Monitoring/Residential Monitoring	X			
Residential Well	RW-5	Off-site	Carbonate	SPBA and South of Site-monitor for trend	X			
Lift Station	Softail Lift Station	Bldg3		Bldg 3 Final Monitoring	X			
Spring	TATE (S-6)	Off-site/NPBA		NPBA Annual Monitoring/Residential Monitoring	X			
Surface Water	COD-SW-6	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-7	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-8	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-9	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-13	Codorus Creek		Monitoring in Creek	X			
Spring	COD-SW-15	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-16	Codorus Creek		Monitoring in Creek	X			
Spring	COD-SW-17	Codorus Creek		Monitoring in Creek	X			
Spring	COD-SW-26	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-27	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-28	Codorus Creek		Monitoring in Creek	X			
Surface Water	COD-SW-29	Codorus Creek		Monitoring in Creek	X			

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Sampling Program Abbreviations:  
RI-2 - Well installed during the GWRI Part2 program  
2011KW - Well Sampled during 2011 Key well sampling  
NPBA\_B3 - Well to be sampled for NPBA/Bldg 3 Monitored Shutdown Program  
SPBA - Southern Property Boundary Area  
S - Well to be sampled for SPBA/South of Site Characterization  
1,4\_D - Selected to monitor the elevated 1,4-dioxane plume  
SD - Sampling for remediation system Shut Down test  
LTM - Long-term Monitoring  
NETT - Monitoring of plume in North End Test Track (NETT)  
WPL - West Parking Lot