

Grid Location	LOU Number	Phase B Boring No.	Sample ID Number	Sample Depths ¹ (ft. bgs)	Perchlorate (EPA 314.0)	Metals (EPA 6020)	Hex Cr (EPA 7199)	TPH-DRO/ORO (EPA 8015B)	TPH-GRO (EPA 8015B)	VOCs ² (EPA 8260B)	Wet Chemistry ³	Total Cyanide (EPA 9012A)	OCPs ⁴ (EPA 8081A)	SVOCs ⁵ (EPA 8270C)	Radio-nuclides ⁶	Dioxins/Furans ⁷	Asbestos ⁸ EPA/540/R-97/028	Geo-technical Tests ¹⁰	Rationale
Borings are organized by grid location as shown on Plate A - Starting point is on the northwestern most grid in Area 2 (M-2) and ending with the southeastern most grid in Area 2 (S-7).																			
Q-6	43, 59, 60		RSAQ6-10	10	X	X	X	X		X	X		Hold	X	X				releases and near LOU 60 piping to evaluate local piping releases.
Q-6	43, 59, 60		RSAQ6-20	20	X	X	X	X		X	X		Hold	X	X				
Q-6	43, 59, 60		RSAQ6-30	30	X	X	X	X		X	X		Hold	X	X				
Q-6	43, 59, 60		RSAQ6-35	35	X	X	X	X		X	X		X	X	X				
R-6	59, 60	SA30	SA30-0.0	0.0													X		Boring located to evaluate LOU 59 (Storm Sewer System) and LOU 60 (Acid Drain System). Located near LOU 59 and 60 piping to evaluate possible local piping releases and for general site coverage in Unit Buildings area.
R-6	59, 60		SA30-0.5	0.5	X	X	X	X		X	X		X	X	X	X		X	
R-6	59, 60		SA30-10	10	X	X	X	X		X	X		Hold	X	X			X	
R-6	59, 60		SA30-20	20	X	X	X	X		X	X		Hold	X	X				
R-6	59, 60		SA30-30	30	X	X	X	X		X	X		Hold	X	X				
R-6	59, 60		SA30-35	35	X	X	X	X		X	X		X	X	X				
R-6	43, 60	SA32	SA32-0.0	0.0													X		Boring located to evaluate LOU 43 (Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning), and LOU 60 (Acid Drain System). Located within the footprint of LOU 43 as a worst case location and also located near LOU 60 piping to evaluate local piping releases near a manhole.
R-6	43, 60		SA32-0.5	0.5	X	X	X	X		X	X		X		X	X			
R-6	43, 60		SA32-10	10	X	X	X	X		X	X		Hold		X				
R-6	43, 60		SA32-20	20	X	X	X	X		X	X		Hold		X				
R-6	43, 60		SA32-30	30	X	X	X	X		X	X		Hold		X				
R-6	43, 60		SA32-35	35	X	X	X	X		X	X		X		X				
R-6	12, 59, 60	SA125	SA125-0.0	0.0													X		Boring located to evaluate LOU 12 (Hazardous Waste Storage Area), LOU 59 (Storm Sewer System), and LOU 60 (Acid Drain System). Located downslope of LOU 12 to evaluate surface runoff releases and adjacent to LOU 59 and 60 piping to evaluate high risk release locations (Manhole).
R-6	12, 59, 60		SA125-0.5	0.5	X	X	X	X		X	X		X	X	X	X			
R-6	12, 59, 60		SA125-10	10	X	X	X	X		X	X		Hold	X	X				
R-6	12, 59, 60		SA125-20	20	X	X	X	X		X	X		Hold	X	X				
R-6	12, 59, 60		SA125-30	30	X	X	X	X		X	X		Hold	X	X				
R-6	12, 59, 60		SA125-35	35	X	X	X	X		X	X		X	X	X				
R-6	43	SA161	SA161-0.0	0.0													X		Boring located to evaluate LOU 43 (Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning).
R-6	43		SA161-0.5	0.5	X	X	X			X	X		X		X	X			Colocated with SG70 to compare VOC results, and for general site coverage.
R-6	43		SA161-10	10	X	X	X			X	X		Hold		X				
R-6	43		SA161-20	20	X	X	X			X	X		Hold		X				
R-6	43		SA161-30	30	X	X	X			X	X		Hold		X				
R-6	43		SA161-35	35	X	X	X			X	X		X		X				
R-6	43, 59	RSAR6	RSAR6-0.0	0.0													X		Boring located to evaluate LOU 43 (Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning), and LOU 59 (Storm Sewer System) and LOU 60 (Acid Drain System). Random boring located near LOU 43 as a stepout for general coverage, adjacent to LOU 59 and 60 piping to evaluate high risk release area (junction) and for site wide coverage.
R-6	43, 59		RSAR6-0.5	0.5	X	X	X	X		X	X		X	X	X	X			
R-6	43, 59		RSAR6-10	10	X	X	X	X		X	X		Hold	X	X				
R-6	43, 59		RSAR6-20	20	X	X	X	X		X	X		Hold	X	X				
R-6	43, 59		RSAR6-30	30	X	X	X	X		X	X		Hold	X	X				
R-6	43, 59		RSAR6-35	35	X	X	X	X		X	X		X	X	X				
Number of Samples:					91	91	91	74	0	91	91	0	38	81	91	19	19	3	

- Notes:**
- n/a Not applicable - boring is not associated with a specific LOU but is located to evaluate soil for general area-wide coverage.
 - X Sample will be collected and analyzed.
 - No sample collected under Phase B sampling program.
 - DD* Sample depth to be determined in the field where DD = sample depth (ft).
 - TPH-DRO/ORO Total petroleum hydrocarbons - Diesel-Range Organics/Oil-Range Organics.
 - 1. The 0.5 ft bgs sample will be collected from the 0.0 to 0.5 ft bgs interval, unless the area is paved. If area is paved, samples will be collected at 0.5 feet below or from a representative depth beneath the pavement. Alternately, if an unpaved area is within a reasonable distance, the sample will be moved to the unpaved area.
 - 2. Samples for VOC analysis will be preserved in the field using sodium bisulfate (or DI water) and methanol preservatives per EPA Method 5035.
 - 3. Consists of wet chemistry parameters (including pH) listed on Table 1 of the Phase B Source Area Work Plan.
 - 4. Organochlorine Pesticides (includes analysis for hexachlorobenzene).
 - 5. Semi-volatile Organic Compounds
 - 6. Radionuclides consists of alpha spec reporting for isotopic thorium and isotopic uranium, and Radium-226, plus Radium-228 by beta counting (per NDEP).
 - 7. Dioxins/furans will be analyzed by EPA Method 8290 for all samples. Screening reports will be provided for 90% of the samples and full data packages for 10% of the samples.
 - 8. Polychlorinated biphenyls
 - 9. Soil samples for asbestos analyses will be collected from a depth of 0 to 2-inches bgs.
 - 10. Geotechnical Tests consist of: moisture content (ASTM D-2216), grain size analysis (ASTM D-422 and C117-04), Soil Dry Bulk Density (ASTM D-2937), Grain Density (ASTM D-854, Soil-Water Filled Porosity (ASTM D-2216); Vertical Hydraulic Conductivity (ASTM D-5084/USEPA 9100).
 - 11. SPLP samples will be analyzed by EPA method 1312 using two preparation methods: 1) with extraction fluid #2 (reagent water at pH 5.0±0.05), and 2) with extraction method #3 (reagent water); per NDEP.