

Appendix A

Minor Deviations from the Work Plan

1.0 Minor Deviations from the Work Plan

Fieldwork and laboratory analysis was conducted in accordance with the Supplemental Site Investigation/Remedial Investigation Work Plan for SOC4 and 5 (Barr, 2009a) and/or the Sampling and Analysis Plan (Barr, 2009c), except for the minor deviations listed below:

Field Work Category	Description of Deviation	Rationale for Deviation	Result
Groundwater Sampling (Geoprobe)	Groundwater samples were not collected from temporary wells at borings SOC4-GP1, SOC5-GP2, or SOC5-GP9.	Temporary wells set across outwash/till. No groundwater accumulation in temporary wells after a minimum of 12 hours after well installation.	No additional groundwater sampling is planned at this time.
Soil Screening (Geoprobe)	Soil boring SOC5-GP28 was added.	To provide additional characterization of the former lagoon area.	See report.
Test Trenching	Additional test trenches/pits (SOC4-TT9A through SOC4-TT9H) were placed near test trench SOC4-TT9.	Additional test trenches need to delineate extent of buried debris.	See report.
	Additional test trenches were placed around DNTstorage bunkers (SOC5-TT35 through SOC 5-TT38).	Additional test trenches used to investigate potential dry wells/subsurface drainages.	DNTstorage bunker dry well/subsurface drainages were not found.
Laboratory	OC Pesticide samples were analyzed by Braun Intertec rather than Legend Technical Services.	Legend Technical Services certification for OC Pesticide analysis was suspended temporarily.	Modifications were discussed with Bill Scruton of the MPCA prior to sample analysis. SAP will be revised prior to future work.

Sample Collection	Sample of tar coating from bunker wall was collected (Tar Coating) and analyzed for SVOCs.	Data used to confirm tar coating material contains SVOCs.	Tar coating contained elevated levels of SVOCs.
	Surface soil sample SOC5-SS39-0.5' was collected from dirt floor in the shed south of building 607.	Passerby (declined to identify himself) stated that a pole dip tank may have been located in the shed. The person claimed to have been a worker at the site but Barr could not verify the veracity of this information.	No evidence of a release was observed.
	Surface soil step-out samples around the DNT storage bunkers were collected after data from initial samples was received.	Modification was implemented to avoid sample holding time exceedences.	Step-out samples were collected at selected locations of B(a)P exceedences around the DNT storage bunkers.
	No subsurface soil sample from DNT storage bunker 260-H was analyzed.	The analysis of subsurface sample SOC5-TT22-2 was canceled due to the sample containing too many coarse aggregate. Sample SOC5-Bld604-Pipe, which consisted of white residue collected from the drain tile around DNT storage bunker 260-H and analyzed for SVOCs and nitrocellulose.	No analytes were detected.
	Additional soil samples were collected around SOC5-SS1 and SOC5-SS2.	Data were used to evaluate extent of detected analytes.	See report.

2.0 Fieldwork Duration and Personnel

All fieldwork was conducted by Barr personnel or by Barr's subcontractor under Barr's supervision. Dates during which fieldwork was conducted and the subcontractors who conducted fieldwork are listed below:

Task	Dates Conducted	Team or Subcontractor
Direct Push Soil Borings and Temporary Well installation/sealing	8/31/2009 to 9/11/2009, 12/23/09	Matrix Environmental LLC
Test Trenching Excavation	9/1/2009 to 9/18/2009	Stevens Drilling & Environmental
Surface Soil Sampling	8/31/2009, 9/1/2009, 9/18/2009, 9/25/2009, 11/10/09, 12/23/09	Barr field staff
Groundwater Sampling	9/15/2009, 9/29/09, 9/30/09, 10/2/09	Barr field staff