

APPENDIX B
SAMPLE PLAN ALTERATION FORMS

SAMPLE PLAN ALTERATION FORM - SEPTEMBER 2001

Project Name and Number: Poles, Incorporated. TDD 01-07-0007

Material to be Sampled: Soil, sediment, groundwater, product, air, wipe

Measurement Parameters: Volatile Organics, Semivolatile Organics, Chlorinated Pesticides, Polychlorinated Biphenyls, Target Analyte List Inorganics, Total Petroleum Hydrocarbons

Standard Procedure for Field Collection & Laboratory Analysis (cite references): ERT and/or E & E Standard Operating Procedures for sample collection as provided in the Sampling and Quality Assurance Plan for the Poles, Incorporated project and EPA SW-846 Methods for most analyses.

Reason for Change in Field Procedure of Analytical Variation: Typically, changes were approved by the On-Scene Coordinator due to variations in field conditions as listed in the SQAP.

Variation from Field or Analytical Procedure:

Section 2 One oil sample and one sludge sample were collected during the project but were not listed in the SQAP. The samples were collected by dipping sample jars into the tank and pouring the collected material into a separate sample jar for submission to the laboratory. A surface soil sample was also collected from the area of a discarded PCP cloth sack that was noted on the hillside north of the treatment plant. The sack is an outer cover for the transportation and storage of the PCP blocks.

Section 2.1.1 (and Table 2-2) - Only soil samples associated with the drilling operations were analyzed on-site for TPH. The SQAP states that all soil samples collected from the wood-treating facility will be analyzed on-site. A drill rig was used instead of the planned Geoprobe due to the information obtained on-site that groundwater was at least 60 feet bgs instead of the previously believed 20 to 30 feet bgs.

Section 2.1.2 - At the OSC's direction, 4 samples were submitted for commercial laboratory TPH analysis.

Section 2.2.1 - Subsurface soil sampling - Subsurface soil borings were installed using a drill rig auger and the samples were collected using a dedicated stainless steel spoon. Collected material was placed in a dedicated stainless steel bowl, thoroughly homogenized when applicable and placed into a prelabeled sample container. **Groundwater sampling** - Samples were collected using dedicated Teflon-lined bailers and were poured directly into prelabeled sample containers. See the attached SOPs.

Sediment Sampling - The SQAP indicated that sediment samples were to be collected starting at the most downstream location and continuing upstream to reduce the potential of cross-contamination. Due to property access concerns, the PPE and upstream samples were collected first, followed by the downstream sample five days later.

Section 2.2.2 - Acetone was used for decontamination instead of hexane.

Tables 2-2 and 2-3 - On-site 14 surface soil, 14 subsurface soil, 4 groundwater, 3 sediment, 2 product and **Other** 8 air sample locations were sampled.

Table 2-4 - Additional source codes include PO - Pend Oreille River area sediments; RB - Rinsate Blank; TB - Trip Blank. Additional matrix code: PD - Product.

Figure 2-3 - A drilling sample was not able to be collected from the inside of the treatment plant shed due to a roof over the shed. Additional surface soil samples were collected from the Pole Yard area in place of the subsurface soil samples.

Special Equipment, Materials or Personnel Required: A drill rig was mobilized to the site upon the realization that groundwater was at least 60 feet bgs instead of the planned 20 to 30 feet bgs.

Groundwater was typically reached at 75 feet bgs during the project.

CONTACT	APPROVED SIGNATURE	DATE
Initiator:		
START Project Leader:		
EPA Task Monitor:		
EPA QA Officer:		