

APPENDIX A
PHOTOGRAPH LOG

photo 1



Petroleum-impacted soil observed in test pit at TB007 (Vat Area).

photo 2



Advancement of TB007 (Vat Area).

Photolog



Photolog
A-1

photo 3



Petroleum-impacted soil observed in test pit at TB008 (Vat Area).

photo 4



Soil cuttings from boring BB001 (Plywood Mill SW-side dry wells).

Photolog



Photolog
A-2

photo 5



Advancement of boring BB003 (Glue/resin wastewater tank).

photo 6



Glue/resin wastewater tank interior.

Photolog



Photolog
A-3

photo 7



Soil cuttings from boring BB003 (Glue/resin wastewater tank).

photo 8



Completion of boring BB003 (Glue/resin wastewater tank).

Photolog



Photolog
A-4

photo 9



Completion of boring BB005 (Plywood Mill SE-side dry wells - North).

photo 10



Advancement of boring BB012 (Dry Kiln Dry Wells).

Photolog



Photolog
A-5

photo 11



Advancement of test pit TB012 (East Log Yard).

photo 12



Advancement of hand auger HB001.

Photolog

photo 13



Undeveloped riverbank background sample location HB006.

Photolog



Photolog
A-7

APPENDIX B
PHASE I ESA FINDINGS

SECTION 6

FINDINGS

WESTON has identified the following historical recognized environmental conditions, recognized environmental conditions, and de minimis conditions at the site, adjoining properties, and surrounding properties. De minimis conditions are defined as those that do not present a material risk to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies (ASTM 2005). Conditions at the Stimson Bonner property are listed as “On-site.” Conditions at the adjoining properties and surrounding properties are listed as “Off-site.”

WESTON has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Bonner Mill located at Highway 200 East, Bonner, MT 59823, the property. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

6.1 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

6.1.1 On-site

- None identified.

6.1.2 Off-site

- None identified.

6.2 RECOGNIZED ENVIRONMENTAL CONDITIONS

6.2.1 On-site

Several areas at the Stimson Bonner Property were identified as RECs and are grouped below into two categories: 1) areas associated with previous investigations; and 2) areas not associated with previous investigations. The areas within each group are generally listed from east to west.

Areas associated with previous investigations:

- East Log Yard Bunker Fuel Release – The Blackfoot Railroad line was historically located at the eastern side of the East Log Yard and continued northeast across a former rail bridge on the Blackfoot River. Locomotives would reportedly refuel on a side track from an elevated fuel tank historically located at the southeast corner of the log yard. In July 2003, during routine excavations in the southeastern portion of the East Log Yard, an oily substance was observed seeping from the ground. Additional investigation in

2003 determined that an estimated 2,300 cubic yards of soil had been impacted by bunker fuel, likely related to the historic locomotive refueling operations. Approximately 5,000 cubic yards of soil was excavated and removed in September and October of 2004. Groundwater monitoring and additional soil sampling events were conducted in 2006. The investigation is currently ongoing with the most recent sampling event conducted in October 2008. According to PBS&J the extent of impacted soil has been defined and MDEQ may not require additional soil removal. Elevated petroleum concentrations have not been detected in groundwater. As requested by MDEQ, two additional semi-annual groundwater sampling events will be conducted. Since hydrocarbon-impacted soils have been documented in the East Log Yard Investigation area, and since MDEQ has not approved closure for this case, the impacted soil is considered to represent a REC for the Stimson Bonner property.

- Cooling Pond - The approximately 29,000 square-foot, unlined, Cooling Pond is located at the north side of the property adjacent north of the Stud Mill and the Stud Mill Log Processor. The pond is currently used as a settling pond that accepts stormwater from the northwestern portion (Fuel House to Stud Mill) of the site. Prior to shutdown of the boilers and kilns, the pond also received boiler blowdown and non-contact dry kiln cooling waters. A permitted outfall, Outfall 001A, is maintained at the northeast portion of the Cooling Pond. In spring 2006, the MDEQ initiated an environmental investigation of the Cooling Pond. During this investigation detectable concentrations of PCBs and petroleum hydrocarbons were identified within the Cooling Pond sediments. PCB concentrations were detected in one of the groundwater monitoring wells sampled during the MDEQ investigation. In September 2008, this well was resampled using low-flow techniques to reduce the sample's turbidity. PCB concentrations were not detected in this well indicating that PCBs in the pond sediments are not leaching to groundwater. The source of the PCBs detected in the Cooling Pond has not been specifically identified. Additional investigation will be needed prior to determining the final remedial approach. Since elevated concentrations of PCBs, and petroleum hydrocarbons have been detected in the Cooling Pond sediments, these impacted sediments are considered to represent a REC for the Stimson Bonner property.
- East Log Track - A shorter length portion of the elevated log track is located on the eastern side of the "Red Deck" and commonly identified as the east log track. In June 2006, leaking log track hydraulic equipment was identified as the likely source of petroleum hydrocarbons discovered in the east log track area and approximately 26 cubic yards of hydrocarbon-impacted soil was removed from the area. Since confirmation soil samples collected subsequent to the excavation of hydrocarbon-impacted soils in the east log track area exhibited elevated concentrations of petroleum hydrocarbons and PCBs, the impacted soil in the east log track release area is considered to represent a REC for the Stimson Bonner property.
- Fire Pond Lagoon - In August 2002, a petroleum sheen was noted on the surface of the standing water in the former fire pond lagoon. A subsequent investigation identified the source of the sheen to be from subsurface soils located south and east of the pond, which had been impacted from leaking hydraulic oils of the elevated log track pumping station.

Approximately 1,200 cubic yards of impacted soil was excavated and the pond removed in 2005. Groundwater monitoring wells were installed and quarterly monitoring was initiated in 2004. The investigation is currently ongoing and two additional wells were installed in October 2008. Since elevated concentrations of petroleum hydrocarbons have been identified in on-site soil and groundwater in the fire pond lagoon area, this is considered to represent a REC for the Stimson Bonner property.

- South Pond and Drainage Ditch - The South Pond, which is located at the northwestern corner of the site, is asphalt-lined and was constructed between 1972 and 1973, concurrent with the Plywood Mill. The South Pond is primarily used as a settling pond for stormwater originating from the western portion of the site; however, the pond also accepted industrial process waters derived from plywood manufacturing operations. These process waste waters potentially contained concentrations of metals from paints/primers and/or worn machinery, petroleum hydrocarbons from hydraulic oils, and glue or resin compounds. The incoming process waters flow to the pond via a partially asphalt-lined ditch. Although the pond was resealed in 1995, additional engineering controls were implemented for the Plywood Mill wastewater system in 2000, and downgradient groundwater samples collected in 2008 from wells WLY-1 and WLY-2 did not contain constituents of potential concern (Appendix E), there is the potential for subsurface soil beneath the pond and the drainage ditch to have been impacted by contaminated process waters. Based upon this information, the former release of plywood manufacturing process waters into the South Pond and the adjacent drainage ditch is considered to represent a REC for the Stimson Bonner property.

Areas not associated with previous investigations:

- East Log Yard AST - WESTON observed significant staining on the interior and exterior of the southeastern portion of the concrete containment wall of the 3,000-gallon diesel East Log Yard AST. Since vehicles were typically filled on the exposed soil outside and adjacent to the southeastern corner of the AST containment area, there is the potential that diesel fuel was released during vehicle fueling which impacted subsurface soils and/or groundwater in the area of the East Log Yard AST. Based upon this information, the East Log Yard AST is considered to represent a REC for the Stimson Bonner property.
- Historic Stull Mill - The historic Stull Mill, which was primarily used to manufacture stull lumber for mining operations, was formerly located at the northeast portion of the property adjacent southeast of the Cooling Pond from at least 1937 to 1988 with milling operations discontinued in approximately 1972. Since significant volumes of hydraulic oil were likely used in the manufacturing equipment within the mill, there is a potential that unauthorized releases of hydraulic oil impacted the subsurface soils and/or groundwater in the Stull Mill area. Based upon this information, potential releases from the former Stull Mill hydraulic equipment is considered to represent a REC for the Stimson Bonner property.

- Stud Mill Log Processor - The Stud Mill Log Processor was covered during operations and was constructed in 1988 on a concrete pad. The structure utilized a significant volume of hydraulic oil in the processing equipment. During the WESTON site reconnaissance, significant staining was observed on the exposed soil around the base of the log crane at the southeastern corner of the processor, and on the asphalt surface located adjacent northwest of the processor. There is the potential for leaking hydraulic equipment from the log processor to have impacted subsurface soils and/or groundwater. Based upon this information, the significant staining observed near the Stud Mill Log Processor is considered to represent a REC for the Stimson Bonner property.
- Stud Mill Red Deck - Mr. Price and Mr. Shimer indicated that hydraulic oil frequently leaked from the “Red Deck” in-feed structure at the north side of the Stud Mill. The operation of the “Red Deck” hydraulic equipment was discontinued subsequent to the Stud Mill renovations in 1988. Mr. Price and Mr. Shimer both indicated that approximately the upper three (3) feet of soil beneath the “Red Deck” was removed in approximately 1993; however, neither person was directly involved in the cleanup. According to Max Miller of Tonkon Torp LLP, the cleanup work was completed by Champion prior to the transfer of the property to Stimson. Mr. Miller was not able to locate a report documenting the soil removal. Because documentation regarding the soil removal and any confirmation sampling that may have been conducted was not available, this area is considered to represent a REC for the Stimson Bonner property.
- Stud Mill Chip Shaker - Significant staining was observed around the base of the chip shaker located at the southwestern portion of the Stud Mill Courtyard during the WESTON site reconnaissance. Since the chip shaker utilized hydraulic oil during operation, there is the potential for an unauthorized release of hydraulic oil originating from the chip shaker to have impacted subsurface soils and/or groundwater. Based upon this information, the stained soil adjacent to the Stud Mill Courtyard chip shaker is considered to represent a REC for the Stimson Bonner property.
- Elevated Log Track - An elevated log track was formerly located between the Plywood Mill Log Processor and the Stud Mill “Red Deck.” This log track, which was primarily used between 1972 and 1988, was hydraulically operated from four (4) hydraulic oil pump houses located along the track length. Portions of this log track were identified as the likely source of hydrocarbon-impacted soils previously identified during the Fire Pond Lagoon and East Log Track investigations at the site. There is the potential that unauthorized releases of hydraulic oil from the overhead conveyors or oil pump house equipment have impacted additional subsurface soils and/or groundwater at the site. Based upon this information, the oil pump houses and associated overhead log track are considered to represent a REC for the Stimson Bonner property.
- Historic “Gas and Oil” Structure - A historic “gas and oil” labeled structure was identified in the 1932 Sanborn Fire Insurance Map as having been formerly located south of the historic Company Store and Office Building, adjacent north of the present-day Dry Kiln Complex. Petroleum products from this former “gas and oil” structure may have

impacted subsurface soils and/or groundwater and is considered to represent a REC for the Stimson Bonner property.

- Former Gasoline UST near Old Stone Warehouse - A gasoline UST was formerly located adjacent southeast of the northeastern portion of the building. This tank was reportedly installed in the mid-1970's and removed in the early-1980's. The tank was reportedly removed due to the contents leaking from the tank. Vehicles were typically fueled on exposed soil from the dispenser located adjacent northwest of the UST location. Based upon this information, there is the potential for an unauthorized release of gasoline from the former UST or associated piping and equipment to have impacted subsurface soils and/or groundwater, and this is considered to represent a REC for the Stimson Bonner property.
- Main Garage and Old Truck Shop - The Main Garage and Old Truck Shop are located at the central portion of the property and were primarily used for vehicle repair activities since at least 1962 in the Main Garage and at least 1921 in the Old Truck Shop. Potentially hazardous substances and petroleum products typically used and stored in this area included motor oil, antifreeze, solvents, and grease. A maintenance pit was formerly located at the western portion of the Main Garage. The surface of the southwestern portion of the Main Garage is generally concrete and the northeastern portion is generally asphalt and dirt. There is the potential for unauthorized releases of hazardous substances to have come into direct contact with exposed soils. Based upon this information, there is the potential for subsurface soils and/or groundwater in the Main Garage and Old Truck Shop area to have been impacted from former operations, and this is considered to represent a REC for the Stimson Bonner property.
- PCB-containing Electrical Equipment - PCB-containing electrical equipment was formerly located at various areas of the Stimson Bonner property, some of which were located near area of exposed soil. Although the PCB files reviewed at the property documented the PCBs releases in 1981, 1983 and 1989 were cleaned up, there is the potential that an undocumented release of PCB-containing materials occurred at the property. Based upon this information, the former presence of PCB-containing electrical equipment at the subject property is considered to represent a REC for the Stimson Bonner property.
- Stormwater Dry Wells - There are approximately fourteen (14) dry wells located at the Stimson Bonner property. Stormwater runoff, primarily from the central portion of the site, is directed into the dry wells where it infiltrates into the subsurface. There is the potential for unauthorized releases of hazardous substances or potentially contaminated runoff waters to have entered into a dry well and impacted subsurface soils and/or groundwater. Based upon this information the presence of the fourteen dry wells located within the operational area of the facility is considered to represent a REC for the Stimson Bonner property.
- Plywood Mill Vat - Significant staining was observed on the side of the concrete foundation at the northeast side of the Plywood Mill vat structure during the WESTON

site reconnaissance. There is the potential that this staining was the result of an unauthorized release of hydraulic oil from the vat operational equipment that may have migrated outside of the building and into the adjacent exposed soils. Based upon this information, there is the potential for potentially hazardous substances originating from the vat structure to have impacted subsurface soils and/or groundwater and this is considered to represent a REC for the Stimson Bonner property.

- Plywood Mill Press Pits - Located in the southwestern portion of the Plywood Mill, hydraulic oil was reported to have frequently leaked from the press equipment into the concrete-lined machinery pits. The integrity of the concrete pits could not be evaluated by WESTON during the site reconnaissance due to the presence of significant volumes of oily liquids within the pits. Although the presence of liquid within the pits indicates they are able to retain fluids, there is the potential that petroleum products and/or hazardous substances have migrated through the pits into the subsurface soils and/or groundwater. Based upon this information, the Plywood Mill press pits are considered to represent a REC for the Stimson Bonner property.
- Plywood Glue Room Fill Area - The resin tank located in the Plywood Mill Glue Room was filled through a valve located on the exterior wall at the south corner of the Plywood Mill. Mr. Price indicated that the liquid resin was occasionally spilled onto the unpaved ground during the filling operations. Based upon this information, the Plywood Mill glue room fill area is considered to represent a REC for the Stimson Bonner property.
- South Log Yard - The South Log Yard was periodically watered from the potentially contaminated stormwater and process waters of the South Pond. In addition, the potentially contaminated sediments collected during the cleaning of the South Pond were periodically spread across the log yard. Household waste discovered during the installation of piping for the South Pond indicated that the area of the pond was potentially used as a historic landfill for the adjacent community of Milltown. Based upon this information, the potentially contaminated South Log Yard soil is considered to represent a REC for the Stimson Bonner property.
- South Log Yard Fuel ASTs - The South Log Yard Fuel AST area was originally constructed between 1972 and 1973 and originally included only the two northern tanks with the southern tank added in approximately the mid-1980's. These diesel tanks were typically filled from a valve within the containment at the northern portion of the AST area. Vehicle fueling was typically conducted on the exposed soils at the western and southern sides of the containment structure. Based upon this information, there is the potential that unauthorized releases of spilled diesel fuel have impacted subsurface soils and/or groundwater beneath the South Log Yard AST area and this is considered to represent a REC for the Stimson Bonner property.

6.2.2 Off-site

- None identified.

6.3 DE MINIMIS CONDITIONS

6.3.1 On-site

- Historic “Oil Room” - A historic “Oil Room”-labeled structure was identified in the 1912, 1921, 1927, and 1932 Sanborn Fire Insurance Map at the approximate location of the present-day bulk hydraulic oil AST filling area in the Stud Mill Courtyard. Petroleum hydrocarbons or hazardous substances from this former “Oil Room” structure may have impacted subsurface soils and/or groundwater and is considered to represent a de minimis condition for the Stimson Bonner property.
- Stud Mill Hydraulic Oil AST - A bulk hydraulic oil AST was located within a concrete containment structure at the northeastern portion of the 1st floor of the Stud Mill building. This tank was filled through a valve on the exterior east wall of the building within the Stud Mill Courtyard. An area of exposed soil is located directly adjacent to where the tank was filled. There is the potential for an unauthorized release of hydraulic oil to have occurred during filling operations that may have contacted adjacent exposed soil. Based upon this information there is the potential for hydraulic oil originating from tank filling operations to have impacted subsurface soils, and/or groundwater, and this is considered to represent a de minimis condition for the Stimson Bonner property.
- Main Gate Gasoline AST - The 1,500-gallon Main Gate Gasoline AST is located adjacent to the Main Gate and was installed in approximately 1983. This AST was typically filled from a valve within the containment berm at the north side of the tank. Vehicles were typically fueled on the asphalt pavement on the north side of the AST, outside of the containment area. Based upon this information, there is the potential for unauthorized releases of gasoline to have impacted subsurface soils and/or groundwater in the area of the Main Gate AST. This AST is considered to represent a de minimis condition for the Stimson Bonner property.
- Plywood Mill Log Processor - The Plywood Mill Log Processor was not covered during operations and utilized a significant volume of hydraulic oils in the log processing equipment. A concrete lined sump was located in the northwestern portion of the processing areas that accepted stormwater runoff as well as process waters originating from adjacent plywood manufacturing operations. The sump contents were typically pumped via a fire hose from the log processing area west onto the paved Log Sorting yard where they eventually drained into the South Pond. There is the potential for the processor sump to have overflowed and allowed potentially contaminated waters to contact the adjacent exposed surface soils. Although no stained soil was observed, potentially contaminated runoff waters may have impacted subsurface soil and/or groundwater and this area is considered to represent a de minimis condition for the Stimson Bonner property.
- Glue/Resin/Dryer Rinse Tank - The Glue/Resin/Dryer Rinse Tank is located on the northwest side of the Plywood Mill (northeast of the Wagner Shop) and formerly accepted rinse waters from the plywood manufacturing areas including the paint/primer lines, the

Glue Room sump, and the veneer dryer. The top of the tank is not sealed and the base appeared to be concrete-lined; however the integrity of the tank could not be inspected due to the tank having been partially full during the WESTON site reconnaissance. The adjacent areas to the tank are concrete-surfaced. There is the potential that process waters contaminated with glue compounds, metals, and/or hydrocarbons has migrated through cracks in the concrete base of the tank and has impacted site subsurface soils and/or groundwater. Based upon this information, the Glue/Resin/Dryer Rinse Tank is considered to represent a de minimis condition for the Stimson Bonner property.

6.3.2 Off-site

- None Identified.

APPENDIX C
SOIL BORING LOGS

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-----------|-------------------------------------|-------------------------------------------------------------------------------------------------|------|----------------------------------------------------------|
| Weston WO#: 10829.021.001.0002 | | BB001 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: Sonic Rig | | <i>Boring Location Description:</i> | | | |
| Drill Date: 9/17/2008 | | 5B- Plywood - SW side of dry wells | | | |
| Borehole Diam.: 8" | | Total Depth: 20' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB001-SL-0080 | 0.6 | 1 | Medium brown silty-sand with approximately 50 percent rounded gravel | ML | Adjacent dry well was dry and approximately 6 feet deep. |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| BB001-SL-0150 | 0.7 | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| BB001-SL-0180 | 0.6 | 18 | Same as above with an increase in gravel size to cobbles, decrease in matrix size to silty-clay | CL | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------------------------------------------|------|---------------------------------------------------------------|
| Weston WO#: 10829.021.001.0002 | | BB002 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/17/2008 | 5A - Plywood - SW side of dry wells | | | |
| | | Borehole Diam.: | 8" | | |
| | | Total Depth: | 20' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB002-SL-0080 | 0.6 | 1 | Medium brown silty-sand with subangular gravel, 1 to 2 inch thick | SM | Adjacent dry well was dry and approximately 6 to 8 feet deep. |
| | | 2 | | | |
| | | 3 | Dark brown to black silty-gravel with angular clasts, 1 to 3 inches thick | GM | |
| | | 4 | | | |
| | | 5 | No recovery | NR | |
| | | 6 | | | |
| | | 7 | Dark brown silty-sand with rounded gravel, 1 to 2 inch thick | SM | |
| 8 | Light brown to pinkish clayey-gravel | GC | | | |
| 9 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| BB002-SL-0150 | 0.5 | 12 | Medium brown silty-sand with gravels to cobbles, 1 to 4 inches | SM | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| BB002-SL-0180 | 0.7 | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | BB003 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: Sonic Rig | | <i>Boring Location Description:</i> | | | |
| Drill Date: 9/17/2008 | | 33 - Glue/Resin and Dryer Wastewater Tank | | | |
| Borehole Diam.: 8" | | Total Depth: 20' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB003-SL-0080 | 0 | 1 | Dark brown silty-gravel with approximately 20 percent sand. No odor. Gravel is subrounded to rounded and 0.5 to 2 inches thick | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| BB003-SL-0150 | 0 | 8 | Light brown clayey-gravel with cobbles, 1 to 3 inch thick | GC | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| BB003-SL-0180 | 0 | 13 | Rock | | |
| | | 14 | | | |
| | | 15 | | | |
| BB003-SL-0180 | 0 | 16 | Medium brown to pink silty gravel with approxiamtely 20 percent sand and cobbles | GM | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-----------|-----------------------------------------|----------------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | BB004 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/17/2008 | 11A - Plywood - SE side of Dry Well (S) | | | |
| | | Borehole Diam.: | 8" | | |
| | | Total Depth: | 20' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB004-SL-0080 | 0.3 | 1 | Dark brown silty-gravel with approximately 20 percent sand, clast are 0.5 to 2 inches thick. | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| BB004-SL-0130 BB004-SL-1130 | 0.3 | 8 | Same as above with color changing to medium brown to pink with depth. | GM | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| BB004-SL-0180 | 0.4 | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-----------|----------------------------------------|--------------------------------------------------------------------------------------------------|------|----------------------------------|
| Weston WO#: 10829.021.001.0002 | | BB005 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/17/2008 | 12 - Plywood - SE side of Dry Well (N) | | | |
| | | Borehole Diam.: | 8" | | |
| | | Total Depth: | 20' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB005-SL-0080 | 0.1 | 1 | Medium brown to gray silty-gravel with small percentage sand clasts, 1 to 3 inch thick. No odor. | GM | Surface was covered with asphalt |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| BB005-SL-0130 | 0.2 | 8 | Same as above with decreasing sand and increasing cobble size with depth. | GM | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| BB005-SL-0180 | 0.1 | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-----------|-------------------------------------|-----------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | BB006 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/17/2008 | 21A - Machine Shop Dry Well Area | | | |
| Borehole Diam.: 8" | | Total Depth: 20' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB006-SL-0080 | 0 | 1 | Subangular gravel with approximately 20 percent fines | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| BB006-SL-0130 | 0 | 8 | Medium brown to gray silty gravel with 1 to 4 inch thick clasts | GM | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| BB006-SL-0180 | 0 | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-----------------|-------------------------------------|-----------------------------------------------------------------------------|------|----------------------------------|
| Weston WO#: 10829.021.001.0002 | | BB007 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | | Static Water Level: N/A | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/17/2008 | 14A - Main Gate Fuel AST | | | |
| | Borehole Diam.: | 8" | | | |
| | Total Depth: | 10' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB007-SL-0020 | 0.2 | 1 | Dark brown silty gravel, with 1 to 3 inch thick subrounded clasts. No odor. | GM | Surface was covered with asphalt |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| BB007-SL-0100 | 0.1 | 9 | Medium gray clayey gravel with 1 to 4 inch thick rounded clasts. No odor. | NR | Due to large rocks in tube |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 10.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | | | | | | | |
|------------------------------------------------------------------|-----------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|
| Weston WO#: 10829.021.001.0002 | | BB008 | | | | | | | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | | Static Water Level: N/A | | | | | | | | |
| Driller Firm: Enviromental West Exploration | | | | | | | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | | | | | | | |
| Drill Date: | 9/17/2008 | 20A - Former Gasoline UST (SE of Old Warehouse) | | | | | | | | | |
| | | Borehole Diam.: | 8" | | | | | | | | |
| | | Total Depth: | 20' | | | | | | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments | | | | | | |
| BB008-SL-0020 BB008-SL-1020 | 0 | 1 | Medium brown to dark brown silty gravel with approximately 20 percent sand. Clasts are subangular to rounded, 0.5 to 3 inches thick. Between 7 and 13 feet bgs, clast size begins to increase and sand content decreases. No odor. | GM | | | | | | | |
| | | 2 | | | | | | | | | |
| | | 3 | | | | | | | | | |
| | | 4 | | | | | | | | | |
| | | 5 | | | | | | | | | |
| | | 6 | | | | | | | | | |
| BB008-SL-0070 | 0 | 7 | | | | Medium brown to dark brown silty gravel with approximately 20 percent sand. Clasts are subangular to rounded, 0.5 to 3 inches thick. Between 7 and 13 feet bgs, clast size begins to increase and sand content decreases. No odor. | GM | | | | |
| | | 8 | | | | | | | | | |
| | | 9 | | | | | | | | | |
| | | 10 | | | | | | | | | |
| | | 11 | | | | | | | | | |
| BB008-SL-0120 | 0 | 12 | | | | | | | Medium brown to dark brown silty gravel with approximately 20 percent sand. Clasts are subangular to rounded, 0.5 to 3 inches thick. Between 7 and 13 feet bgs, clast size begins to increase and sand content decreases. No odor. | GM | |
| | | 13 | | | | | | | | | |
| | | 14 | No recovery | NR | Due to large cobble. | | | | | | |
| | | 15 | | | | | | | | | |
| 16 | | | | | | | | | | | |
| 17 | | | | | | | | | | | |
| 18 | | | | | | | | | | | |
| 19 | | | | | | | | | | | |
| | 0 | 20 | Same as above with a more pinkish color. | | | | | | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | | | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-------------------------------------|-------------------------|----------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | BB009 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: Sonic Rig | <i>Boring Location Description:</i> | | Borehole Diam.: 8" | | |
| Drill Date: 9/17/2008 | 4B - South Yard Log Fuel AST Area | | Total Depth: 10' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB009-SL-0020 | 0 | 1 | Medium gray silty clay with subrounded clasts, 0.5 to 2 inches thick | CL | |
| | | 2 | | | |
| | | 3 | | | |
| BB009-SL-0050 | 0 | 4 | No recovery | NR | |
| | | 5 | Medium gray silty clay with subrounded clasts, 1 to 3 inches thick | CL | |
| | | 6 | | | |
| BB009-SL-0100 | 0 | 7 | | | |
| | | 8 | No recovery | NR | |
| | | 9 | Light gray silty clay with sand and subrounded clasts, 1 to 4 inches thick | CL | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| <i>Total Depth: 10.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|----------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | BB010 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/18/2008 | 4C - South Log Yard Fuel AST Area | | | |
| | | Borehole Diam.: | 8" | | |
| | | Total Depth: | 10' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB010-SL-0020 | 0.5 | 1 | Dark brown sandy gravel fill, moist | GP | |
| | | 2 | Light brown sandy gravel fill with cobbles, dry | GP | |
| | | 3 | | | |
| BB010-SL-0060 | 0.3 | 4 | Grey sandy gravel fill with cobbles, dry | GP | |
| | | 5 | Medium red-brown sandy gravel fill with cobbles, slightly moist, some larger rocks near bottom | GP | |
| | | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| | | 9 | | | |
| BB010-SL-0100 | 0 | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 10.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|----------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | BB011 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: | Sonic Rig | <i>Boring Location Description:</i> | | | |
| Drill Date: | 9/18/2008 | 4A - South Log Yard Fuel AST Area | | | |
| | | Borehole Diam.: | 8" | | |
| | | Total Depth: | 10' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB011-SL-0020 | 0.8 | 1 | Dark brown sandy gravel fill with organics and cobbles, moist | GP | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| BB011-SL-0060 | 0.4 | 5 | Medium red-brown sandy gravel fill with cobbles, slightly moist | GP | |
| | | 6 | | | |
| | | 7 | | | |
| BB011-SL-0100 | 0 | 8 | Light brown sandy gravel fill with cobbles and medium rocks, saturated | GP | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
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| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| <i>Total Depth: 10.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|------------------------------------------------------------------|-------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------|
| Weston WO#: 10829.021.001.0002 | | BB012 | | | |
| Geologist/Engineer: Weston Solutions, Inc. / Brian Reilly | | Static Water Level: N/A | | | |
| Driller Firm: Enviromental West Exploration | | | | | |
| Drill Method: Sonic Rig | <i>Boring Location Description:</i> | | Borehole Diam.: 8" | | |
| Drill Date: 9/18/2008 | 15A - Kiln Dry Wells | | Total Depth: 20' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| BB012-SL-0080 | 0.5 | 1 | Dark brown silty gravel with subrounded 0.5 to 2 inch thick clasts. From 7 to 20 feet bgs the clast size increased. | GM | Surface was covered with asphalt At 2 feet bgs, a 2 inch thick layer of asphalt was present. |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| BB012-SL-0130 | 0.2 | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| BB012-SL-0180 | 0.1 | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 20.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. HB-001 | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | Static Water Level: N/A | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Hand Auger | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | 29A - Hist. O&G Bldg | | | |
| <i>Borehole Diam.:</i> 2' | | <i>Total Depth:</i> 2.5' | | | |
| Sample No. | PID (ppm) | Depth (feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| HB-001-SL-0020 | 0 | 1 | Dark brown silty gravel fill with small cobbles, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 2.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | HB-002 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Hand Auger | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | 9A - Plywood Log Processing Area | | | |
| | | <i>Borehole Diam.:</i> 2' | | | |
| | | <i>Total Depth:</i> 2.5' | | | |
| Sample No. | PID (ppm) | Depth (feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| HB-002-SL-0020 HB-002-SL-1020 | 0 | 1 | Dark brown silty gravel fill with small cobbles, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 2.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. HB-003 | | | |
|-----------------------------------------------------------------|-----------|---------------------------------------|------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | Static Water Level: N/A | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Hand Auger | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | 13A - Former PCB Transformer Area "J" | | | |
| | | <i>Borehole Diam.:</i> 2' | | | |
| | | <i>Total Depth:</i> 2.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| HB-003-SL-0020 | 0 | 1 | Dark brown silty gravel fill with small cobbles, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
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| | | 7 | | | |
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| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 2.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. HB-004 | | | |
|-----------------------------------------------------------------|-----------|---------------------------------------|------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | Static Water Level: N/A | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Hand Auger | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | 13B - Former PCB Transformer Area "K" | | | |
| | | <i>Borehole Diam.:</i> 2' | | | |
| | | <i>Total Depth:</i> 2.5' | | | |
| Sample No. | PID (ppm) | Depth (feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| HB-004-SL-0020 | 0 | 1 | Dark brown silty gravel fill with small cobbles, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
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| | | 7 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 2.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|---------------------------------------|---------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | HB-005 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Hand Auger | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | Background from Undeveloped Riverbank | | | |
| | | <i>Borehole Diam.:</i> 2' | | | |
| | | <i>Total Depth:</i> 2.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| HB-005-SL-0020 | 0 | 1 | Dark brown sandy silt, some small rocks at surface, dry | SM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth:</i> 2.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|---------------------------------------|---------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | HB-006 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Hand Auger | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | Background from Undeveloped Riverbank | | | |
| | | <i>Borehole Diam.:</i> 2' | | | |
| | | <i>Total Depth:</i> 2.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| HB-006-SL-0020 | 0 | 1 | Dark brown sandy silt, some small rocks at surface, dry | SM | |
| | | 2 | | | |
| | | 3 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 2.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|--------------------------------------------------------------------------------------|------------------------------|---------------------------|
| Weston WO#: 10829.021.001.0002 | | | TB-001 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/16/2008 | | 2D - South Log Yard | | Total Depth: 7' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-001-SL-0025 | 0 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, moist | GM | Organic (wood decay) odor |
| | | 2 | | | |
| | | 3 | | | |
| TB-001-SL-0060 | 0 | 4 | Medium brown sandy gravel fill, with cobbles and medium rocks moist | GP | Organic (wood decay) odor |
| | | 5 | | | |
| | | 6 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 7.0 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|--------------|--------------------------------------------------------------------------------------|------|---------------------------|
| Weston WO#: 10829.021.001.0002 | | | TB-002 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Method: Backhoe | | | Boring Location Description: | | |
| Date: 9/16/2008 | | | 2C - South Log Yard | | |
| | | | Borehole Diam.: 3'x8' | | |
| | | | Total Depth: 8' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-002-SL-0030 | 0 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, moist | GM | Organic (wood decay) odor |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| TB-002-SL-0065 | 0 | 5 | Medium brown sandy gravel fill, with cobbles and medium rocks, moist | GP | Organic (wood decay) odor |
| | | 6 | | | |
| | | 7 | | | |
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| | | 9 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 8.0 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|--------------------------------------------------------------------------------------|------------------------------|----------|
| Weston WO#: 10829.021.001.0002 | | | TB-003 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/16/2008 | | 2A - South Log Yard | | Total Depth: 7' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-003-SL-0035 | 0 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, moist | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| TB-003-SL-0065 | 0 | 5 | Medium brown sandy gravel fill, with cobbles and medium rocks, moist | GP | |
| | | 6 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 7.0 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|--------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-004 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Backhoe | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/16/2008 | | 2B - South Log Yard | | | |
| | | <i>Borehole Diam.:</i> 3"x8' | | | |
| | | <i>Total Depth:</i> 7' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-004-SL-0030 | 0 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, moist | GM | |
| | | 2 | Medium brown sandy gravel fill, with cobbles and medium rocks, moist | GP | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| TB-004-SL-0065 | 0 | 7 | | | |
| | | 8 | | | |
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| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth:</i> 7.0 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|--------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-005 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | | |
| Date: 9/16/2008 | | 2E - South Log Yard | | | |
| | | Borehole Diam.: 3'x8' | | | |
| | | Total Depth: 7' | | | |
| Sample No. | PID (ppm) | Depth (feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-005-SL-0030 | 0 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, moist | GM | |
| | | 2 | | | |
| | | 3 | Medium brown sandy gravel fill, with cobbles and medium rocks, moist | GP | |
| | | 4 | | | |
| | | 5 | | | |
| TB-005-SL-0055 | 0 | 6 | | | |
| | | 7 | | | |
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| | | 9 | | | |
| | | 10 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 6.0 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|-------------------------------------------|--------------------------------------------------------------------|------------------------------|----------|
| Weston WO#: 10829.021.001.0002 | | | TB-006 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/16/2008 | | 5C - Plywood, Southwest Side of Dry Wells | | Total Depth: 5.5' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-006-SL-0020 TB-006-SL-1020 | 0 | 1 | Asphalt | GP | |
| | | 2 | Medium brown sandy gravel fill, with cobbles and medium rocks, dry | | |
| TB-006-SL-0055 TB-006-SL-1055 | 0 | 3 | | | |
| | | 4 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 5.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| Weston WO#: 10829.021.001.0002 | | | TB-007 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/16/2008 | | 32A - Northeast Exterior Vat Building Wall | | Total Depth: 6.5' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-007-SL-0015 | 0.4 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, very moist | GM | Strong Petroleum Odor |
| | | 2 | Medium grey-brown silty / sandy gravel fill, with cobbles, layer of wet black material @ 1.5 ft, additional isolated black spots @ 2.5 ft | | |
| TB-007-SL-0045 | 0.1 | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-007-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
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| | | 11 | | | |
| | | 12 | | | |
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| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| Total Depth: 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|--------------|-------------------------------------------------------------------------------------------------|------|----------------|
| Weston WO#: 10829.021.001.0002 | | | TB-008 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Method: Backhoe | | | Boring Location Description: | | |
| Date: 9/16/2008 | | | 32B - Northeast Exterior Vat Building Wall | | |
| | | | Borehole Diam.: 3'x8' | | |
| | | | Total Depth: 6.5' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-008-SL-0020 | 0.3 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, very moist | GM | Petroleum Odor |
| | | 2 | | | |
| TB-008-SL-0040 | 0 | 3 | Medium grey-brown silty / sandy gravel fill, with cobbles, layer of wet black material @ 2.0 ft | GM | Petroleum Odor |
| | | 4 | | | |
| | | 5 | | | |
| TB-008-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
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| | | 18 | | | |
| 19 | | | | | |
| 20 | | | | | |
| Total Depth: 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|--------------------------------------------|-------------------------------------------------------------------------------------------------|------|----------------|
| Weston WO#: 10829.021.001.0002 | | TB-009 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | | |
| Date: 9/16/2008 | | 32C - Northeast Exterior Vat Building Wall | | | |
| | | Borehole Diam.: 3'x8' | | | |
| | | Total Depth: 6.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-009-SL-0020 | 0.2 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, very moist | GM | Petroleum Odor |
| | | 2 | | | |
| TB-009-SL-0040 | 0 | 3 | Medium grey-brown silty / sandy gravel fill, with cobbles, layer of wet black material @ 1.5 ft | GM | Petroleum Odor |
| TB-009-SL-1040 | | 4 | | | |
| | | 5 | | | |
| TB-009-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
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| | 19 | | | | |
| | 20 | | | | |
| Total Depth: 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-------------------------------------|------------------------------|--------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-010 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | Boring Location Description: | Borehole Diam.: 3'x8' | | | |
| Date: 9/16/2008 | 17A - Main Garage Area | Total Depth: 4.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-010-SL-0020 | 0 | 1 | Asphalt | GP | |
| | | 2 | Medium brown sandy gravel fill, with cobbles and medium rocks, dry | | |
| TB-010-SL-0040 | 0 | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 4.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|--------------------------------------------------------------------|------------------------------|----------|
| Weston WO#: 10829.021.001.0002 | | | TB-011 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/16/2008 | | 17B - Main Garage Area | | Total Depth: 4.5' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-011-SL-0020 | 0 | 1 | Light brown sandy gravel fill, with cobbles and small rocks, dry | GP | |
| | | 2 | Medium brown sandy gravel fill, with cobbles and medium rocks, dry | GP | |
| TB-011-SL-0040 | 0 | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 4.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-012 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | | |
| Date: 9/17/2008 | | 27A - East Log Yard AST | | | |
| | | Borehole Diam.: 3'x8' | | | |
| | | Total Depth: 6.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-012-SL-0020 | 0 | 1 | Dark brown silty / sandy gravel fill, with organics, cobbles and medium rocks, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-012-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 6.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-------------------------------------|------------------------------|----------------------------------------------------------------------------------------------|------|---------------------|
| Weston WO#: 10829.021.001.0002 | | TB-013 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | Boring Location Description: | Borehole Diam.: 3'x8' | | | |
| Date: 9/17/2008 | 28A - East Log Yard | Total Depth: 8.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-013-SL-0020 | 0 | 1 | Dark brown silty Organic fill, slightly moist | ML | Slight organic odor |
| | | 2 | Dark brown silty gravel fill, with cobbles and large rocks increasing with depth, loose, dry | GM | Slight organic odor |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| TB-013-SL-0080 | 0 | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 8.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------------------|------------------------------|---------------------|
| Weston WO#: 10829.021.001.0002 | | | TB-014 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/17/2008 | | 28B - East Log Yard | | Total Depth: 8.5' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-014-SL-0020 | 0 | 1 | Dark brown silty organic fill, slightly moist | ML | Slight organic odor |
| | | 2 | Dark brown silty gravel fill, with cobbles and large rocks incre | GM | Slight organic odor |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| TB-014-SL-0080 | 0 | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
| | | 12 | | | |
| | | 13 | | | |
| | | 14 | | | |
| | | 15 | | | |
| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 8.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|--------------|----------------------------------------------------------------------------------------------|------|---------------------|
| Weston WO#: 10829.021.001.0002 | | | TB-015 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Method: Backhoe | | | Boring Location Description: | | |
| Date: 9/17/2008 | | | 28C - East Log Yard | | |
| | | | Borehole Diam.: 3'x8' | | |
| | | | Total Depth: 8.5' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-015-SL-0020 | 0 | 1 | Dark brown silty organic fill, slightly moist | ML | Slight organic odor |
| | | 2 | Dark brown silty gravel fill, with cobbles and large rocks increasing with depth, loose, dry | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| TB-015-SL-0080 | 0 | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |
| | | 11 | | | |
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| | | 16 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 8.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|--------------------------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-016 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | | |
| Date: 9/17/2008 | | 16A - Dry Kiln Oil House | | | |
| | | Borehole Diam.: 3'x8' | | | |
| | | Total Depth: 8.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-016-SL-0020 | 0 | 1 | Medium brown sandy / silty gravel fill, dry | GP | |
| | | 2 | Medium to dark brown silty gravel fill, with cobbles and large rocks increasing with depth, loose, dry | GM | |
| TB-016-SL-0050 | 0 | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
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| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 8.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | BORING NO. | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|----------------------------------------------------------------------------------------|------------------------------|----------|
| Weston WO#: 10829.021.001.0002 | | | TB-017 | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | | Static Water Level: N/A | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | Borehole Diam.: 3'x8' | |
| Date: 9/17/2008 | | 26A - Switch Room "H" Area | | Total Depth: 6' | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-017-SL-0015 | 0 | 1 | Medium to dark brown silty gravel fill, with cobbles increasing with depth, loose, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-017-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 6.0 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-------------------------------------|------------------------------|-----------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-018 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Backhoe | <i>Boring Location Description:</i> | <i>Borehole Diam.:</i> 3'x8' | | | |
| <i>Date:</i> 9/17/2008 | 23A - Stud Mill Processor | <i>Total Depth:</i> 6.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-018-SL-0020 | 0 | 1 | Asphalt | | |
| | | 2 | Medium brown sandy gravel fill with cobbles, dry | GP | |
| TB-018-SL-0060 | 0 | 3 | Dark brown sandy gravel fill with cobbles, slightly moist | GP | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
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| | | 8 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|----------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-019 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Method: Backhoe | | Boring Location Description: | | | |
| Date: 9/18/2008 | | 24A - Stud Mill | | | |
| Borehole Diam.: 3'x8' | | Total Depth: 6.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-019-SL-0020 | 0 | 1 | Dark brown organic (wood debris) fill, moist | | |
| | | 2 | Dark brown silty gravel fill, with cobbles and large rocks, slightly moist | GM | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-019-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
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| | | 10 | | | |
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| | | 16 | | | |
| | | 17 | | | |
| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|-------------------------------------|----------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-020 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Backhoe | | <i>Boring Location Description:</i> | | | |
| <i>Date:</i> 9/18/2008 | | 24B - Stud Mill | | | |
| <i>Borehole Diam.:</i> 3'x8' | | <i>Total Depth:</i> 6.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-020-SL-0020 | 0 | 1 | Dark brown organic (wood debris) fill, moist | | |
| | | 2 | Dark brown silty gravel fill, with cobbles and large rocks, slightly moist | GM | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-020-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
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| | | 14 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth:</i> 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-------------------------------------|------------------------------|------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-021 | | | |
| Geologist/Engineer - Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| Drilling Firm/Driller - Stimson | | | | | |
| Drilling Method: Backhoe | Boring Location Description: | Borehole Diam.: 3'x8' | | | |
| Date: 9/18/2008 | 23C - Stud Mill Processor | Total Depth: 4' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-021-SL-0015 | 0 | 1 | Dark brown organic (wood debris) fill, moist | | |
| | | 2 | Medium brown silty gravel fill, with cobbles and large rocks, slightly moist | GM | |
| TB-021-SL-0035 | 0 | 3 | | | |
| | | 4 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 4.0 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | | | BORING NO. TB-022 | |
|---------------------------------------------------------------------------------------------------|-----------|----------------------|---------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|
| Weston WO#: 10829.021.001.0002 | | | | Static Water Level: N/A | |
| Geologist/Engineer - Drilling Firm/Driller - Stimson Weston Solutions, Inc. / Alex Grubb | | | | Screened Interval: N/A | |
| Drilling Method: Date: | | Backhoe 9/18/2008 | Boring Location Description: 23B - Stud Mill Processor | Borehole Diam. 3' x 8' Total Depth: 6.5' | Ground Elevation: N/A |
| Sample No. | FTD (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-022-SL-0020 | 0 | 1 | Dark brown organic (wood debris) fill, moist | | Dark staining and petroleum odor |
| | | 2 | Light to medium brown sandy gravel fill, with cobbles and large rocks, slightly moist | GP | Dark staining and petroleum odor |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-022-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
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| | | 18 | | | |
| | | 19 | | | |
| | | 20 | | | |
| Total Depth: 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-------------------------------------|------------------------------|--------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-023 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Backhoe | <i>Boring Location Description:</i> | <i>Borehole Diam.:</i> 3'x8' | | | |
| <i>Date:</i> 9/18/2008 | 3A - Stormwater Runoff Ditch | <i>Total Depth:</i> 5.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-023-SL-0020 TB-023-SL-1020 | 0 | 1 | Dark brown sandy gravel fill, organics throughout, large rocks at surface, saturated | GP | |
| | | 2 | | | |
| 3 | | | | | |
| 4 | | | | | |
| TB-023-SL-0060 TB-023-SL-1060 | 0 | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth: 5.5 ft bgs</i> | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-024 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> Backhoe | <i>Boring Location Description:</i> | <i>Borehole Diam.:</i> 3'x8' | | | |
| <i>Date:</i> 9/18/2008 | 3A - Stormwater Runoff Ditch | <i>Total Depth:</i> 5.5' | | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-024-SL-0020 TB-024-SL-1020 | 0 | 1 | Dark brown sandy gravel fill, organics throughout, many pebbles and cobbles, large rocks at surface, moist | GP | |
| | | 2 | | | |
| 3 | | | | | |
| 4 | | | | | |
| TB-024-SL-0060 TB-024-SL-1060 | 0 | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
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| | | 20 | | | |
| Total Depth: 5.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|---------------------------------------|-------------------------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-025 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> | Backhoe | <i>Boring Location Description:</i> | <i>Borehole Diam.:</i> 3'x8' | | |
| <i>Date:</i> | 9/18/2008 | 34A - Log Track Hydraulic Pump Houses | <i>Total Depth:</i> 6.5' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-025-SL-0020 | 0 | 1 | Dark brown organic (wood debris) fill, slightly moist | GM | |
| | | 2 | Medium brown silty gravel fill, with cobbles and medium rocks, slightly moist | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| TB-025-SL-0060 | 0 | 6 | | | |
| | | 7 | | | |
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| | | 19 | | | |
| | | 20 | | | |
| <i>Total Depth:</i> 6.5 ft bgs | | | | | |

| Client/Project: Stimson - Bonner Mill | | BORING NO. | | | |
|-----------------------------------------------------------------|-----------|---------------------------------------|-----------------------------------------------------------------|------|----------|
| Weston WO#: 10829.021.001.0002 | | TB-026 | | | |
| <i>Geologist/Engineer -</i> Weston Solutions, Inc. / Alex Grubb | | Static Water Level: N/A | | | |
| <i>Drilling Firm/Driller -</i> Stimson | | | | | |
| <i>Drilling Method:</i> | Backhoe | <i>Boring Location Description:</i> | <i>Borehole Diam.:</i> 3'x8' | | |
| <i>Date:</i> | 9/18/2008 | 34B - Log Track Hydraulic Pump Houses | <i>Total Depth:</i> 2.5' | | |
| Sample No. | PID (ppm) | Depth (Feet) | SOIL/ROCK DESCRIPTION | USCS | Comments |
| TB-026-SL-0020 | 0 | 1 | Dark brown silty gravel fill with organics and large rocks, dry | GM | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
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| | | 20 | | | |
| <i>Total Depth:</i> 2.5 ft bgs | | | | | |

APPENDIX D
SAMPLE LOCATION COORDINATES

Appendix D – Sample Location Coordinates

Stimson Bonner Mill – Phase II ESA

Samples Collected 16 – 18 September, 2008

| <i>Sample Location ID</i> | <i>Y (North)</i> | <i>X (West)</i> |
|---------------------------|------------------|-----------------|
| BB001 | 46 52.269 | 113 52.430 |
| BB002 | 46 52.258 | 113 52.403 |
| BB003 | 46 52.398 | 113 52.294 |
| BB004 | 46 52.321 | 113 52.286 |
| BB005 | 46 52.386 | 113 52.192 |
| BB006 | 46 52.435 | 113 52.139 |
| BB007 | 46 52.340 | 113 52.029 |
| BB008 | 46 52.462 | 113 52.118 |
| BB009 | 46 52.294 | 113 52.599 |
| BB010 | 46 52.286 | 113 52.605 |
| BB011 | 46 52.277 | 113 52.598 |
| BB012 | 46 52.390 | 113 52.040 |
| HB001 | 46 52.463 | 113 51.986 |
| HB002 | 46 52.434 | 113 52.363 |
| HB003 | 46 52.411 | 113 52.136 |
| HB004 | 46 52.353 | 113 52.039 |
| HB005 | 46 52.692 | 113 51.187 |
| HB006 | 46 52.652 | 113 51.225 |
| TB001 | 46 52.343 | 113 52.662 |
| TB002 | 46 52.335 | 113 52.755 |
| TB003 | 46 52.274 | 113 52.726 |
| TB004 | 46 52.243 | 113 52.668 |
| TB005 | 46 52.245 | 113 52.577 |
| TB006 | 46 52.252 | 113 52.385 |
| TB007 | 46 52.449 | 113 52.250 |
| TB008 | 46 52.444 | 113 52.242 |
| TB009 | 46 52.441 | 113 52.230 |
| TB010 | 46 52.442 | 113 52.187 |
| TB011 | 46 52.449 | 113 52.186 |
| TB012 | 46 52.547 | 113 51.659 |
| TB013 | 46 52.540 | 113 51.832 |
| TB014 | 46 52.469 | 113 51.782 |
| TB015 | 46 52.471 | 113 51.890 |
| TB016 | 46 52.463 | 113 52.045 |
| TB017 | 46 52.496 | 113 52.084 |
| TB018 | 46 52.530 | 113 52.022 |
| TB019 | 46 52.512 | 113 52.036 |
| TB020 | 46 52.532 | 113 52.038 |
| TB021 | 46 52.551 | 113 52.013 |
| TB022 | 46 52.512 | 113 51.988 |
| TB023 | 46 52.393 | 113 52.614 |
| TB024 | 46 52.399 | 113 52.651 |
| TB025 | 46 52.518 | 113 52.145 |
| TB026 | 46 52.456 | 113 52.272 |

Notes: - Map Datum in WGS 84
- Coordinates in decimal degrees

APPENDIX E
DATA VALIDATION MEMORANDUM

APPENDIX E

EXCEPTION SUMMARY FOR LABORATORY DATA QUALITY ASSURANCE REVIEW

1. DATA SUMMARY

The laboratory data quality assurance review of laboratory groups **STIM01** through **STIM08** collected from the Stimson Bonner Mill site located in Bonner, Idaho between September 17 and 18, 2008, has been completed. Laboratory group **STIM07** was used for internal tracking only, as these samples were analyzed by a second laboratory as groups **2008080167**, **2008080182**, **2008080206**, and **2008080209**. Samples associated with laboratory groups **STIM01 through STIM06** and **STIM08** were analyzed by Pace Analytical Laboratories of Seattle, Washington for the following parameters.

- Volatile aromatic compounds (VOC/VOA) following USEPA Test Methods for Evaluating Solid Waste, Chemical/Physical Methods SW-846 (SW) ; prepared by Method SW5035B (closed-system purge and trap extraction), and analyzed by SW8260B (gas chromatography/mass spectral detection [GC/MS]).
- Semivolatile aromatic compounds (SVOC/SVOA) prepared by Method SW3545 (pressurized fluid extraction; PFEX), and analyzed by SW8270C (GC/MS).
- Polychlorinated biphenyl compounds as Aroclors (PCB) prepared by Method SW3545 (PFEX), and analyzed by SW8082 (GC/electron capture detection [GC/ECD]).
- Total recoverable priority pollutant metals prepared by Method 3050B (acid digestion), and analyzed by 6010B (inductively-coupled plasma/atomic emission spectroscopy [ICP/AES]).

Northern Analytical Laboratories, of Billings, Montana analyzed samples for the following parameters.

- Total extractable hydrocarbons and hydrocarbon fractionation following Massachusetts Department of Environmental Protection (MDEP) *Method for Determination of Extractable Petroleum Hydrocarbons*, prepared by solvent extraction and analyzed by GC/FID.
- Total volatile hydrocarbons and hydrocarbon fractionation following MDEP *Method for Determination of Extractable Petroleum Hydrocarbons* prepared by purge and trap extraction and analyzed by GC/FID.

MDEP methods were followed to evaluate compliance with Montana Department of Environmental Quality (MDEP) regulations. The parameter groups for these methods are listed as MT-VOAs and MT-SVOAs on the accompanying data sheets.

Data were reviewed following the *National Functional Guidelines for Organic Data Review (EPA 2006)*, *National Functional Guidelines for Inorganic Data Review (EPA 2004)*, and any specific criteria listed in the analytical methods. Data were then validated based on regulatory requirements, laboratory data qualification, and project-specific data quality objectives.

Data validation qualifiers for individual analyte results were applied by assessing reported results (detected and non-detected), as well as laboratory quality control recoveries, relative to regulatory criteria. In the professional opinion of the data reviewer, if QC exceedances did not negatively impact comparison of field data to applicable regulatory criteria no data qualifiers were applied.

This is an exception summary. All laboratory quality assurance results (holding time, blank sample analysis, laboratory control standard analysis, surrogate spike analysis) supplied to WESTON for the analyses met project-specific acceptance criteria, with the following exceptions.

1.1 SEMIVOLATILE AROMATIC COMPOUNDS

1.1.1 Continuing Calibration Verification Standard Analysis

The percent drift of benzoic acid (-26.6%) and benzo(g,h,i)perylene (-24.8%) in the CCV standard CCV0903008-1 exceeded the method acceptance criterion of 20%; however, the project-specific data validation criterion was set at 25%. Affected, detected sample results for benzoic acid were qualified as estimated concentrations (J), possible low bias. Non-detected results were qualified as not detected at an estimated quantitation level (UJ). No sample results for benzo(g,h,i)perylene were qualified on this basis.

1.1.2 System Monitoring Compound (Surrogate) Recovery

Recovery of the surrogate compound 2-fluorobiphenyl (FBP) was less than its lower control limit from samples TB-001-SL-0025 (36%) and TB-005-SL-0055 (42%). Recovery of the associated internal standard was acceptable. No associated analytes were detected at or above the method detection limit (MDL) in either sample; no data were qualified on this basis.

Recoveries of the surrogate compounds FBP, 2-fluorophenol (FP), and phenol-d5 were less than their respective lower control limits from samples HB-002-SL-0020 (7/11/43%) and its field duplicate sample HB-002-SL-1020 (6 /11 /41%). Recoveries of the associated internal standards were less than method acceptance criteria as well. Re-extraction and reanalysis of these samples yielded similar recoveries. No associated analytes were detected at or above the method detection limit (MDL) in either sample; associated data were qualified as not detected at an estimated quantitation level (UJ) on this basis.

1.2 POLYCHLORINATED BIPHENYL COMPOUNDS AS AROCLORS

1.2.1 Surrogate Recoveries

Recoveries of the surrogate compound decachlorobiphenyl (DCB) from samples TB-009-SL-0020 (57%), TB-014-SL-0030 (50%), TB-015-SL-0080 (50%), TB-015-SL-1080 (50%), TB-018-SL-0060 (56%), and TB-022-SL-0020 (37%) were less than the lower control limit established by the laboratory. No PCBs associated with this surrogate were detected in these samples, and no data were qualified on this basis.

1.3 METALS

1.3.1 Matrix Spike/Duplicate Spike Recovery

Recoveries of antimony were less than the lower control limit from various matrix and/or duplicate spike sample analyses. Typically, both antimony and silver recoveries are suppressed for standard acid digestion preparations unless additional steps are followed, including addition of excess hydrochloric acid (see SW-846 Method 3050B, Section 7.4).

Recoveries of chromium, copper, lead, and zinc were outside established recovery limits for various MS and/or MSD analyses also. Detected results for these analytes were qualified as an estimated concentrations (J), possible low bias. Non-detected sample results for these analytes were qualified as non-detected at an estimated quantitation limit (UJ).

1.3.2 Serial Dilution Analysis

Relative percent difference values for several serial dilution sample analyses exceeded the laboratory method criterion for beryllium, chromium, copper, lead, and nickel. Detected antimony results were qualified as an estimated concentrations (J), possible low bias.

1.3.3 Sample Analysis

Iron was detected in several samples at concentrations exceeding the linear range of the instrument's detector. High levels of iron impact the ability to accurately quantify antimony, arsenic, cadmium, copper, lead, nickel, selenium, silver, thallium, and zinc. Affected samples were analyzed and results reported from five-fold dilutions of sample extracts. The elevated reporting limits did not exceed and regulatory criteria used for comparison.

2. OTHER DATA QUALIFICATION

All instrument results below the practical quantitation limits (PQL) are qualified as non-detected (U).

3. DATA QUALIFIERS

Any data qualifiers applied by the laboratory have been removed from the data summary sheets and superseded by data validation qualifiers as follow:

The following qualifiers were used to modify the data quality and usefulness of individual analytical results.

- U** - The analyte was not detected at the given practical quantitation limit. The reported concentration represents the sample quantitation limit.
- J** - The analyte was positively identified and detected; however, the concentration is an estimated value because one or more quality control criteria were not met.
- UJ** - The analyte was not detected; the associated quantitation limit is an estimated value.
- v** - The analyte was positively identified and detected.

4. DATA ASSESSMENT

Data review was performed by an experienced quality assurance chemist independent of the analytical laboratory and not directly involved in the project.

This is to certify that I have examined the analytical data and based on the information provided to me by the laboratory, in my professional judgment the data are acceptable for use except where qualified with qualifiers that modify the usefulness of those individual values.



02 December 2008

R. Paul Swift, PhD, PE
Chief Chemist