MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**WR3CS-1**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Post removal confirmation sample, Waste Rock Pile 3		
Date:	11/29/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth: **4-6 inches**

Composite: **Yes**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Manual with glove**

Sample Collection Time: **1:10PM**

	Size				Analysis								Other
# Sample Containers	1-gal. Ziplok bag	12-oz glass jar	8-oz glass jar	Brass Sleeve	TAL Metals+CN	Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Paste pH	ABA	PCBs	Pesticides	VOCs	SVOCs	
1	**X**					**X**							

DESCRIPTION/COMMENTS

Removal compliance sample obtained within margins of removed WR-3. Waste rock had be removed to visually apparent natural rock. XRF measuremnts obtained indicated material was less than 90%UCL background criteria for As (7.29 mg/kg) and Pb (64 mg/kg). Cleanup Criteria is 52 mg/kg As, 800 mg/kg Pb.

48° 37' 18.46" N
117° 41' 26.45 W
El. = 3530' MSL

MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**WR3CS-2**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Post removal confirmation sample, Waste Rock Pile 3		
Date:	11/29/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth: **4-6 inches**

Composite: **Yes**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Manual with glove**

Sample Collection Time: **1:10PM**

# Sample Containers	Size				Analysis								Other
	1-gal. Ziplok bag	12-oz glass jar	8-oz glass jar	Brass Sleeve	TAL Metals+CN	Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Paste pH	ABA	PCBs	Pesticides	VOCs	SVOCs	
1	**X**					**X**							

DESCRIPTION/COMMENTS

Removal compliance sample obtained within margins of removed WR-3. Waste rock had be removed to visually apparent natural rock. XRF measuremnts obtained indicated material was less than 90%UCL background criteria for As (7.29 mg/kg) and Pb (64 mg/kg). Cleanup Criteria is 52 mg/kg As, 800 mg/kg Pb.

48° 37' 18.46" N
117° 41' 26.45 W
El. = 3530' MSL

MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**OBCS-1**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Post removal confirmation sample, Ore Bin Area		
Date:	11/29/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth: **4-6 inches**

Composite: **Yes**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Manual with glove**

Sample Collection Time: **1:25PM**

# Sample Containers	Size				Analysis								Other
	1-gal. Ziplok bag	12-oz glass jar	8-oz glass jar	Brass Sleeve	TAL Metals+CN	Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Paste pH	ABA	PCBs	Pesticides	VOCs	SVOCs	
1	**X**					**X**							

DESCRIPTION/COMMENTS

Removal compliance sample obtained form area of removed Ore Bin area. Waste rock had be removed to visually apparent natural rock. XRF measuremnts obtained indicated material was less than 90%UCL background criteria for As (7.29 mg/kg) and Pb (64 mg/kg). Cleanup Criteria is 52 mg/kg As, 800 mg/kg Pb.

48° 37' 18.43" N
117° 41' 26.45 W
El. = 3510' MSL

MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**OBCS-1**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Post removal confirmation sample, Ore Bin Area		
Date:	11/29/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth: **4-6 inches**

Composite: **Yes**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Manual with glove**

Sample Collection Time: **1:25PM**

	Size				Analysis								Other
# Sample Containers	1-gal. Ziplok bag	12-oz glass jar	8-oz glass jar	Brass Sleeve	TAL Metals+CN	Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Paste pH	ABA	PCBs	Pesticides	VOCs	SVOCs	
1	**X**					**X**							

DESCRIPTION/COMMENTS

Removal compliance sample obtained removed Ore Bin area. Waste rock had be removed to visually apparent natural rock. XRF measuremnts obtained indicated material was less than 90%UCL background criteria for As (7.29 mg/kg) and Pb (64 mg/kg). Cleanup Criteria is 52 mg/kg As, 800 mg/kg Pb.

48° 37' 18.43" N
117° 41' 26.45 W
El. = 3510' MSL

MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**MILL CS-1**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Post removal confirmation sample, Below Mill Area		
Date:	11/29/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth: **4-6 inches**

Composite: **No**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Manual with glove**

Sample Collection Time: **1:45PM**

# Sample Containers	Size				Analysis								Other
	1-gal. Ziplok bag	12-oz glass jar	8-oz glass jar	Brass Sleeve	TAL Metals+CN	Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Paste pH	ABA	PCBs	Pesticides	VOCs	SVOCs	
1	**X**					**X**							

DESCRIPTION/COMMENTS

Removal compliance sample obtained from removed waste rock below mill. Waste rock had be removed to visually apparent natural rock. XRF measuremnts obtained indicated material was less than 90%UCL background criteria for As (7.29 mg/kg) and Pb (64 mg/kg). Cleanup Criteria is 52 mg/kg As, 800 mg/kg Pb.

48° 37' 18.43" N
117° 41' 26.46 W
El. = 3500' MSL

MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**MILL CS-1**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Post removal confirmation sample, Below Mill Area		
Date:	11/29/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth: **4-6 inches**

Composite: **No**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Manual with glove**

Sample Collection Time: **1:45PM**

# Sample Containers	Size				Analysis								Other
	1-gal. Ziplok bag	12-oz glass jar	8-oz glass jar	Brass Sleeve	TAL Metals+CN	Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Paste pH	ABA	PCBs	Pesticides	VOCs	SVOCs	
1	**X**					**X**							

DESCRIPTION/COMMENTS

Removal compliance sample obtained from removed waste rock below mill. Waste rock had be removed to visually apparent natural rock. XRF measuremnts obtained indicated material was less than 90%UCL background criteria for As (7.29 mg/kg) and Pb (64 mg/kg). Cleanup Criteria is 52 mg/kg As, 800 mg/kg Pb.

48° 37' 18.43" N
117° 41' 26.46 W
El. = 3500' MSL

MSE Background Soil/Mine Waste Sample Collection Record

SAMPLE ID:	**LMRAWW-1**		
Sample Location:	**Longshot Mine, Wa**	Photo:	Yes! Add number when tabulated.
Description:	Pre-disposal sample of mill structure Wood Waste		
Date:	10/26/2011		
Field Personnel:	E. Hieb and B. Lambeth		
Conditions:	**Dry**	Weather:	**Partly cloudy, 45°F**

METHOD

Grab: **Yes** Depth **0.25 inches**

Composite: **Yes**

Boring ID	Depth	Comments

SAMPLE COLLECTION

Equipment: Trowel Hand Auger Other: **Chisel & Hammer w/Glove**

Sample Collection Time: **4:45PM**

# Sample Containers	Size: 1-gal. Ziplok bag	Size: 12-oz glass jar	Size: 8-oz glass jar	Size: Brass Sleeve	Analysis: TCLP: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Analysis: Metals: As, Ba, Cd, Cr, Cu, Pb, Se, Ag, Zn, Hg	Analysis: Paste pH	Analysis: ABA	Analysis: PCBs	Analysis: Pesticides	Analysis: VOCs	Analysis: SVOCs	Other
1	**X**				**X**	**X**							

DESCRIPTION/COMMENTS

Composite pre-landfill disposal sample of wood waste from demolition of razed mill structure. Sample was obtained with hammer & chisel and wood saw. Purpose was to verify that it was legal to dispose of the material in a municipal landfill prior to disposal.

48° 37' 18.42" N
117° 41' 26.45 W
El. = 3505' MSL