

## SECTION 8.17

### JOB HAZARD ANALYSIS

#### SAMPLING

1.0 Discussion: Each survey site is unique and the specific hazards associated with media sampling vary from site-to-site. Normally expected hazards associated with these tasks are provided below together with standard controls.

#### 1.1 Soil Sampling

JOB HAZARD ANALYSIS		
ACTIVITY	HAZARD	CONTROLS
A. Soil sampling	A1. Back injury	A1. Use proper lifting techniques when carrying quantities of samples, use proper ergonomics when digging samples.
	A2. Radiation/Contamination	A2. Use disposable gloves and protective clothing when collecting samples known or suspected to contain high activity levels, minimize sample contact, label sample in accordance with procedures, monitor personnel and equipment for contamination.
	A3. Pinch points	A3. Wear leather gloves and safety shoes.
	A4. Eye injury	A4. Wear eye protection when using picks or similar devices to loosen soil.
	A5. Fire	A5. When using gas powered auger, maintain fire watch whenever fueling or otherwise handling gasoline.

1.2 Sampling with Floor Corer

<b>JOB HAZARD ANALYSIS</b>		
<b>ACTIVITY</b>	<b>HAZARD</b>	<b>CONTROLS</b>
B. Soil sampling using floor corer	B1. Back injury	B1. Use proper lifting techniques when moving floor corer and generator.
	B2. Electric shock	B2. Use electric cords free from defects, keep cords out of water.
	B3. Hearing	B3. Wear hearing protection.
	B4. Fire	B4. When using generator, maintain fire watch whenever refueling or otherwise handling gasoline.
	B5. Radiation/Contamination	B5. Use disposable gloves and protective clothing when collecting samples known or suspected to contain high activity levels, minimize sample contact, label sample in accordance with procedures, monitor personnel and equipment for contamination.

1.3 Water Sampling

<b>JOB HAZARD ANALYSIS</b>		
<b>ACTIVITY</b>	<b>HAZARD</b>	<b>CONTROLS</b>
C. Water/Sediment sampling	C1. Back injury	C1. Use proper sampling and lifting techniques.
	C2. Slipping/Falling	C2. Use supports, tie-ups, or platforms when sampling in streams or from banks; wear personal floatation devices when sampling from a boat.
	C3. Radiation/Contamination	C3. Use disposable gloves and protective clothing when collecting samples known or suspected to contain high activity levels, minimize sample contact, label sample in accordance with procedures, monitor personnel and equipment for contamination.

1.4 Decontamination

<b>JOB HAZARD ANALYSIS</b>		
<b>ACTIVITY</b>	<b>HAZARD</b>	<b>CONTROLS</b>
D. Equipment decontamination	D1. Radiation/Contamination  D2. Chemical	D1. Wear disposable gloves and protective clothing when decontaminating sampling equipment that has contacted materials known or suspected to contain high activity levels. Monitor personnel and equipment for contamination.  D2. When using acidic solutions or solvents, wear protective clothing, disposable gloves and eye protection. Review MSDS sheet for special precautions.