

## Sampling Abrasive Blasting Waste

Even though it is expected that dry blasting with the product Blastox™ will produce a non-hazardous waste material, laboratory analysis must be completed for verification. Appropriately trained MnDOT personnel must collect a minimum of one random sample of the blasting waste for analysis. The sample must be analyzed by a Minnesota Department of Health certified laboratory to determine if the blasting waste is non-hazardous. This determination must be made before the waste can be transported.

### *Sampling Equipment*

- Chain-of-Custody (COC) form.
- Disposable spatula dedicated for each sample.\*
- Sample bottle provided by the laboratory.
- Permanent ink pen

Note: The laboratory can supply the COC, disposable spatula and sample bottle.

\* A new spatula shall be used for each sample collected. This technique reduces the risk of transferring contamination from one sample to another.

### *Sampling Procedure*

- Using a permanent ink pen, label the sample bottle with the following information:
  1. Name of bridge or bridge number
  2. Name of sampler
  3. “MnDOT” and District
  4. Date of sample collection
  5. Unique name “Abrasive Blasting Waste”. Also assign a unique number to each sample if more than one sample is submitted for analysis
- Sample should be collected a minimum of six inches below the surface.
- After sampling, discard disposable spatula in the trash.
- Properly complete COC form. Include reference to the trunk highway and bridge number on the form.
- Request analysis for the following on the COC form: TCLP for RCRA metals and pH.
- Deliver sample to the laboratory with the COC form. Sign the COC form when transferring sample to the laboratory. Laboratory personnel accepting sample will also sign COC form and provide a copy of the completed form with all signatures. Completed COC form must be stored in project file.

### *Laboratory Results*

Upon receipt of the analytical report from the laboratory, forward the lab report to the District Safety Administrator for review. The District Safety Administrator will verify if the lab results demonstrate that the Waste is non-hazardous.