

Street Sweep Sampling Protocol

The approval for beneficial use of street sweeps is only available when levels of inorganic and organic contaminants of concern are below the Missouri Risk-Based Corrective Action For Underground Storage Tank Guidance (MRBCA) - Table 3.1 Default Target Levels (DTLs).

A minimum of one (1) grab sample shall be collected and analyzed for each five hundred (500) cubic yards of material generated. More frequent sampling may be warranted should odor or visual cues identify impacted material during the screening process. MDNR does not require routine submittal of test results for review. However, upon request, records of SSS analytical testing must be available for review.

Proper sampling of the material consists of the following:

- 1) Fill two (2) eight (8) oz. sample jars with sweeps that is representative of the majority of the screened material.
- 2) The jars must be closed, labeled with a unique sample number and immediately placed on ice.
- 3) A chain of custody form must be completed and accompany the samples to the lab. An example of a completed form is enclosed. Every person who has possession or control of the samples after they are collected and before they get to the lab must sign and date the form where indicated. Typically, this will include: the person who collected the samples; the driver of the mail truck and the receiving laboratory. **Without a properly completed chain of custody form, the samples are not acceptable to DNR to demonstrate compliance.**
- 4) Sampling must be conducted for every 500 yd³ of material generated. If less than 500 yd³ is generated in a quarter then a sample should be collected and analyzed on a quarterly basis. A log book documenting the amount of material should be kept on site that keeps track of the *estimated* amount screened and the date of screening.
- 5) Stockpiling the unscreened material on site should be kept to a minimum because MoDOT could be cited for operation of an unpermitted Solid Waste Transfer Station.

Only material that is shown to be below DTLs may be used as fill, therefore, the screened material should be stored on site until laboratory results are received. If DTLs are exceeded, the sweeps must be sent to a landfill for disposal.