

SUSSEX COUNTY MUNICIPAL UTILITIES AUTHORITY

SOLID WASTE FACILITY

ANALYTICAL REQUIREMENTS FOR THE ACCEPTANCE OF ID – 27 Contaminated Soils

1. All soils shall be sample & tested for toxicity characteristics, pursuant to New Jersey Department of Environmental Protection Waste Classification Instruction Form: <http://www.state.nj.us/dep/dshw/hwr/hwm009.pdf>
2. Sampling techniques shall follow NJDEP Field Sampling Procedures Manual, 2005. Sampling shall be completed or supervised by a qualified environmental professional, such as a Licensed Professional Engineer (P.E.), NJDEP Licensed Sub Surface Evaluator, or a Licensed Site Remediation Professional.
3. At a minimum, soil shall be analyzed for the EPA 2. Soils shall be analyzed for the following:
 - Full TCLP package (Volatile Organics, Semi Volatiles, Metals, Herbicides/ Pesticides).
 - Extractable Petroleum Hydrocarbons (EPH)
 - PCB's
 - Ignitable, Reactivity, Corrosivity
 - Percent Volatile Solids
 - Grain Size
4. Soils generated from residential sites will require testing for Total Petroleum Hydrocarbons only. Additional analytical requirements listed in Section 3 above will be waived. The site owner (Generator) must complete a Residential Non-Hazardous Certification form. See application.

SCMUA ID – 27 SOIL ANALYTICAL REQUIREMENTS

5. Sampling Protocol and Frequency of Samples:

Composite samples shall be obtained from within soils stockpiles, at mid pile depths, at regular intervals or grids, dividing the pile by 20 yard grids (roughly a truckload). For piles over 1000 cubic yards, divide the pile into 45 equal grids. If the soil is homogenous, the Applicant may composite samples vertically from the grids for the required sample frequency as in the table below, and can combine and composite up to 5 contiguous grid areas. For unexcavated soils, samples shall be obtained via test pits, or in – situ borings conducted at “mid-excavation” depths, or biased to staining, odors, field screening, or otherwise suspected areas of contamination. For determining the proper amount of soil samples, please refer to the New Jersey Department of Environmental Protection Waste Classification Instruction Form: <http://www.state.nj.us/dep/dshw/hwr/hwm009.pdf>

| Volume of Soil (Yd³) | Sampling Frequency | Minimum # of Samples |
|--|----------------------------------|-----------------------------|
| 100 – 499 | 1 Sample per 100 yd ³ | 1 |
| 501-4999 | 1 Sample per 250 yd ³ | 5 |
| > 5000 | 1 Sample per 500 yd ³ | 20 |

The applicant must submit a summary report which details the sampling methodology, depths and field observations, as well as a map indicating soil sample locations.