

Kansas Administrative Regulations

Department of Health and Environment

Article 29.—Solid Waste Management

28-29-501. Uncontaminated soil.

For the purposes of K.S.A. 65-3402 and amendments thereto, "uncontaminated soil" shall mean soil that meets all the following conditions:

(a) The soil meets the definition of "construction and demolition waste" in K.S.A. 65-3402, and amendments thereto.

(b) The soil has not been generated at a facility that is under state or federal oversight for the investigation or cleanup of contamination, unless the state or federal project manager who is providing the oversight approves the use of the soil as clean rubble, as defined in K.S.A. 65-3402 and amendments thereto.

(c) The soil exhibits no characteristic that would be expected to create either of the following if the soil is managed as clean rubble:

(1) An odor or other nuisance that would be offensive to a reasonable person; or

(2) an obvious risk to human health or safety or the environment, due to any physical or chemical property of the soil.

(d) The soil is determined to be suitable for use as clean rubble by one of the following methods:

(1) The generator of the soil determines that there is no indication of contamination in the soil. Indication of contamination shall be based on information readily available to the generator of the soil, including the following:

(A) The visual appearance of the soil;

(B) the odor of the soil; and

(C) all known past activities at the site from which the soil is being removed.

(2) The generator of the soil obtains analytical data from representative soil samples according to the requirements in subsection (e) and all of the following criteria are met:

(A) The soil is not a hazardous waste.

(B) Total nitrate plus ammonia is less than 40 mg/kg.

(C) The level of total petroleum hydrocarbons is less than $N = 1$, as described in section 5.0 of "risk-based standards for Kansas" ("RSK manual"), published in June 2007 by the department and hereby adopted by reference, including all appendices. The GRO tier 2 value shall be 39 mg/ kg and the DRO tier 2 value shall be 2000 mg/kg.

(D) If the analyte is a chemical other than nitrate, ammonia, or a petroleum hydrocarbon, all of the following criteria are met:

(i) There is no more than one anthropogenic analyte present in the soil. For the purposes of this regulation, the term "anthropogenic analyte" shall mean a chemical or substance present in the environment due to human activity.

(ii) The anthropogenic analyte is listed in the KDHE tier 2 risk-based summary table in appendix A of the RSK manual.

(iii) The concentration of the anthropogenic analyte is less than the level listed in the KDHE tier 2 risk-based summary table for residential scenarios for the soil pathway or for the soil to ground water protection pathway, whichever is lower.

(3) The secretary determines that if the soil is used as clean rubble, the soil will not present a risk to human health or safety or the environment, based on information provided by the generator of the soil. The generator of the soil shall submit the following information to the department:

(A) Analytical reports from representative soil samples; and

(B) the following information, if requested by the department:

(i) Analytical reports indicating naturally occurring background concentrations at the site from which the soil is being removed;

(ii) the cumulative cancer risk level of all analytes;

(iii) the hazard index value, as defined in K.A.R. 28-71-1, of all analytes; and

(iv) any other information required by the department to evaluate the potential risk to human health or safety or the environment.

(e) If analytical data is used to meet the conditions of this regulation, the following requirements are met:

(1) At least one representative sample shall be collected and analyzed for each 500 cubic yards of soil.

(2) Each analysis shall be performed and reported by a laboratory that has departmental certification, if this certification is available, for that analysis.

(3) Each analytical report shall include the following information:

(A) The results of each analysis;

(B) quality control data;

(C) a copy of the chain of custody for each sample; and

(D) a statement signed by the generator that the analytical results are representative of the soil.

(4) The generator shall maintain each analytical report on file for at least three years after the report is received and shall make the report available to the department upon request.

(Authorized by K.S.A. 65-3406; implementing K.S.A. 2008 Supp. 65-3402; effective Jan. 15, 2010.)

***** Authenticated Kansas Administrative Regulation *****