

3745-515-25

Prohibited materials - radiation detection program.

[Comment: For dates of non regulatory government publications, publications of recognized organizations and associations, test methods, federal rules, and federal statutory provisions referenced in this rule, see rule 3745-515-03 of the Administrative Code titled "Incorporation by reference."]

(A) Prior to submittal of a notification required by rule 3745-515-15 of the Administrative Code, the owner or operator of a sanitary landfill facility or solid waste transfer facility that proposes to accept drilling operation material for transfer or disposal shall implement a written radiation detection program in accordance with paragraph (C) of this rule.

(B) The owner or operator of a sanitary landfill facility or solid waste transfer facility shall provide written notice to Ohio EPA and the approved board of health of the date of implementation of the radiation detection program or any written revisions to the program not later than seven days after adoption of the program or revisions. The notification shall include the following:

(1) Identification of any authorization issued to the owner or operator of the facility by the director, as required by rule 3745-515-10 of the Administrative Code.

[Comment: Paragraph (D) of rule 3745-515-05 of the Administrative Code prohibits acceptance of drilling operation material that contains free liquids.]
[NOTE: The method for determining whether a drilling operation material contains more than a de minimus amount of drilling fluids is still being discussed.]

(2) Identification of any authorizations issued for the facility under section 3748.04 of the Revised Code and rules adopted thereunder.

(C) The radiation detection program shall at a minimum include the following:

(1) Detection monitoring of incoming waste prior to acceptance. The radiation detection program shall provide for detection monitoring of incoming waste utilizing fixed radiation detectors in accordance with section 3748.06 of the Revised Code and the Ohio department of health document entitled, "Solid Waste Disposal Facility Radioactive Material Detection Program."

(2) Procedures for pre-acceptance screening of all incoming waste associated with drilling operation material to ensure the acceptance of such material meets representative analytical requirements contained in division (Q) of section 3734.02 of the Revised Code and to determine compliance with divisions (P)(2) and (P)(3) of section 3734.02 of the Revised Code. The pre-acceptance screening procedures shall be specific to waste associated with drilling operation materials and shall include but is not limited to the following:

(a) Procedures to identify sources of incoming waste associated with drilling

operation material.

(b) Procedures to obtain a completed pre-acceptance waste profile from the generator that includes at a minimum the following:

(i) Generator name.

(ii) Well pad name, number, and physical location, if applicable.

(iii) Facility name, number, and physical location.

(iv) A description of the waste type, including a designation of the waste as either naturally occurring radioactive material or TENORM.

(v) Processes used to remove drilling fluids and stabilization agents used to ensure a de minimus amount of drilling fluids. [NOTE: The method for determining whether a drilling operation material contains a de minimus amount of drilling fluid is still being discussed.]

(c) Procedures to obtain representative analytical results to determine compliance with divisions (P)(2) and (P)(3) of section 3734.02 of the Revised Code prior to acceptance of drilling operation materials at the facility. Unless otherwise authorized in writing by the Ohio department of natural resources or by Ohio EPA in accordance with applicable law, representative analytical results means each container received at the solid waste disposal facility subject to this rule is individually sampled and analyzed.

(d) Procedures for determining pre-acceptance screening and documenting a decision on facility acceptance including identification of personnel, including professional qualifications, responsible for pre-acceptance screening and decisions on facility acceptance.

(e) Procedures for creating and maintaining records, including representative analytical results, pre-acceptance screening documentation, and notifications in accordance with the requirements of rule 3745-27-09 or 3745-29-19 of the Administrative Code.

(3) If the radiation detection program clearly states that the owner or operator will refuse acceptance of TENORM associated with drilling operation material and includes procedures on providing general notice that such material will be refused acceptance at the facility, the radiation detection program shall not include the pre-acceptance screening required under paragraph (C)(2) of this rule.

- (D) The owner or operator of a sanitary landfill facility may accept for disposal incoming waste that triggered an exceedance when the source of radiation is a radionuclide, as determined by the radiation detection program required by this rule, commonly used in medical procedures, when the half-life is less than sixty-five days.
- (E) The owner or operator of a sanitary landfill facility shall notify the Ohio department of health as soon as practicable of any confirmed exceedance when the source of radiation is determined to be a radionuclide not commonly used in medical procedures or the half-life of the radionuclide is greater than sixty-five days.
- (F) Prior to disposal of incoming waste that has both triggered an exceedance and has a source of radiation that is TENORM as determined by the radiation detection program required by this rule, the owner or operator of a sanitary landfill facility must obtain representative analytical results that confirm the combined concentration of radium-226 and radium-228 is below five picocuries per gram above natural background.
- (G) A copy of the written radiation detection program shall be available for inspection by the approved board of health or Ohio EPA during normal operating hours. Upon request, the owner or operator shall provide a copy of the detection program to the approved board of health or Ohio EPA.
- (H) Nothing in the rule shall be construed to limit any obligations of the owner or operator under Chapters 3734., 3748., and 1509. of the Revised Code and rules adopted thereunder.