

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (EXCERPT)
Act 451 of 1994

324.11512h Schedule for operating and monitoring an active gas collection and control system; surface emission scans.

Sec. 11512h.

(1) The owner or operator of a type II landfill shall begin operating and monitoring an active gas collection and control system in compliance with the following schedule:

(a) If the landfill is described in section 11512f(1)(a), within 90 days after the date of approval of the revised engineering plans.

(b) If the landfill is described in section 11512f(1)(b), within 1 year after the effective date of the amendatory act that added this section.

(2) The owner or operator of a type II landfill without an active gas collection and control system shall begin surface emission scans within 1 year after the effective date of the amendatory act that added this section.

(3) The owner or operator of a type II landfill shall install an active gas collection and control system in compliance with the following schedule:

(a) If the landfill is a new unit, a lateral expansion, or a lateral extension and if the approved design plan includes an active gas collection and control system, the initial active gas collection and control system must be installed before waste is accepted. An initial active gas collection and control system may include horizontal collectors installed directly above the leachate collection system or vacuum applied to the leachate collection risers, or both. The initial active gas collection and control system shall be operated upon detection of landfill gas pressure in a landfill cell, as determined by any of the following:

(i) Surface emission scans detecting methane at concentrations exceeding 500 parts per million above background that cannot be corrected within 1 quarterly period by following the procedures of 40 CFR 60.765(c)(4) (i) to (iv).

(ii) Positive pressure in leachate collection riser pipes.

(iii) Nuisance odors.

(iv) Visual evidence of gas emissions, such as stressed vegetation or gas bubbling through the cover.

(b) If, on the effective date of the amendatory act that added this section, the landfill has an active gas collection and control system and is not subject to monthly wellhead monitoring, gas extraction wells at locations as shown in the approved engineering plans shall be installed as soon as practicable, but not later than 180 days after engineering plan approval, unless an extension is approved by the department.

(c) If the landfill does not have an active gas collection and control system, gas extraction wells at locations as shown in the approved engineering plans shall be installed as soon as practicable, but not later than 180 days after engineering plan approval, unless an extension is approved by the department.

(4) After waste placement and operation of the initial collection devices, if a location is identified to have methane emissions at concentrations exceeding 500 parts per million above background, the owner or operator of the landfill shall comply with 40 CFR 60.765(c)(4)(i) to (iv). If a location is identified to have methane emissions at concentrations exceeding 500 parts per million above background 3 times within a quarterly monitoring period, the owner or operator shall, within 120 days, install additional extraction devices in compliance with the approved engineering plans. The department may approve an alternative remedy or deadline.

History: Add. 2022, Act 245, Eff. Mar. 29, 2023

Popular Name: Act 451

Popular Name: NREPA

Popular Name: Solid Waste Act