

**567—108.9(455B,455D) Beneficial use determination application requirements for alternative cover material.** Unless the alternative cover material beneficial use is approved pursuant to 567—108.8(455B,455D), the applicant shall submit the following application information to the department to amend the sanitary landfill permit. The department may request that additional information be submitted in order to make a beneficial use determination. The department may also require specific beneficial use determination conditions and issue a temporary beneficial use determination on a trial basis.

If the department finds the application information to be incomplete, then it shall notify the applicant in writing of that fact and of the specific deficiencies and return the application materials to the applicant within 30 days of such notification. The applicant may reapply without prejudice.

**108.9(1)** The name, address, and telephone number of:

- a. Owner of the site where the project will be located.
- b. Applicant for the beneficial use determination.
- c. Official responsible for the operation of the project.
- d. Professional engineer (P.E.) licensed by the state of Iowa and retained for the project, if any.

The department may, at its sole discretion, require the applicant to retain a professional engineer for the project or specific parts thereof.

e. Agency to be served by the project, if any.

f. Responsible official of agency to be served.

**108.9(2)** A description of the proposed alternative cover material and whether it is to be used as daily, intermediate, or final cover.

**108.9(3)** The chemical and physical characteristics of the alternative cover material.

**108.9(4)** The proposed volume ratio of the alternative cover material(s) to soil or other alternative cover material(s).

**108.9(5)** A demonstration that there is a known or reasonably probable suitability of the alternative cover material as cover material by providing previous case studies of the alternative cover material being utilized as cover material's or the following information:

a. Information on the ability of the alternative cover material to reduce or maintain current odor levels.

b. Information on the ability of the alternative cover material to reduce or deter vectors.

c. Information on the ability of the alternative cover material to reduce or maintain the current risk of fire.

d. Information on the ability of the alternative cover material to control litter and dust.

e. Information on the ability of the alternative cover material to impede the infiltration of liquids and precipitation.

f. Information on the ability of the alternative cover material to control landfill gas migration.

g. Information on the ability of the alternative cover material to provide a safe and effective working surface.

h. Information on the ability of the alternative cover material to provide effective growing media.

i. Other documentation that the alternative cover material is suitable for cover material.

**108.9(6)** A demonstration that the proposed use of the alternative cover material will not adversely affect human health or the environment. The demonstration may include, but is not limited to, a toxicity characteristics leaching procedure (TCLP, EPA Method 1311) analysis of a representative sample of the alternative cover material.