

567—102.303(455B) Universally approved beneficial use determinations. The following solid by-products are hereby approved as the beneficial use of a solid by-product when utilized in the specific manners listed provided that such utilization is in compliance with 567—102.305(455B) and 567—102.306(455B). Unless an entity is otherwise notified by the department pursuant to 567—102.307(455B), such utilization does not require further approval from the department.

102.303(1) *Asphalt shingles.* Asphalt shingles that are certified, consistent with federal regulations (Reference: Appendix E, Subpart E, 40 CFR Part 763, Section 1, Polarized Light Microscopy), as not containing more than 1 percent asbestos may be used as follows:

- a. Subbase for hard-surface pavement construction.
- b. Road surfacing granular material.
- c. Asphalt pavement material.

102.303(2) *Cement kiln dust.* Cement kiln dust may be used as follows:

- a. Subbase for hard-surface pavement construction.
- b. A soil amendment pursuant to 21—Chapter 44 and other IDALS rules.
- c. A stabilizer for manure and waste sludge.
- d. For soil stabilization purposes.
- e. Structural fill or fill material.

102.303(3) *Coal combustion residual.*

- a. Coal combustion fly ash, bottom ash, or boiler slag may be used as follows:
 - (1) Subbase for hard-surface pavement construction.
 - (2) For soil stabilization purposes.
 - (3) Structural fill or fill material.
- b. Coal combustion bottom ash or boiler slag may also be used as follows:
 - (1) Sandblasting or other abrasive.
 - (2) Granules for roofing shingles.
- c. Coal combustion flue gas desulfurization, flue gas pollution control by-products, including but not limited to lime, activated carbon and synthetic gypsum, may be used as follows:
 - (1) For soil stabilization purposes.
 - (2) Soil amendment pursuant to 21—Chapter 44 or an agricultural liming material pursuant to 21—Chapter 43 and other IDALS rules.

102.303(4) *Foundry sand.* Foundry sand from steel and ferrous casting may be used as follows:

- a. Leachate control drainage material at a sanitary landfill.
- b. Subbase for hard-surface pavement construction.
- c. Structural fill or fill material.
- d. Emergency flood control use for sandbags.
- e. Sandblasting or other abrasive.

102.303(5) *Glass.* Uncontaminated, unleaded glass may be used as follows:

- a. Leachate control drainage material at a sanitary landfill.
- b. Subbase for hard-surface pavement construction.
- c. Structural fill or fill material.
- d. Sandblasting or other abrasive.
- e. Filter media.

102.303(6) *Gypsum and gypsum wallboard.* Gypsum and gypsum wallboard that have not been treated to be water-resistant or flame-retardant may be used as a soil amendment pursuant to 21—Chapter 44 and other IDALS rules.

102.303(7) *Lime.* Lime produced as a by-product of public water supplies may be used as a soil amendment pursuant to 21—Chapter 44 or an agricultural liming material pursuant to 21—Chapter 43 and other IDALS rules.

102.303(8) *Lime kiln dust.* Lime kiln dust may be used as follows:

- a. Subbase for hard-surface pavement construction.
- b. A soil amendment pursuant to 21—Chapter 44 or an agricultural liming material pursuant to 21—Chapter 43 and other IDALS rules.

- c. A stabilizer for manure and waste sludge.
- d. For soil stabilization purposes.
- e. Structural fill or fill material.

102.303(9) *Paper mill sludge*. Uncontaminated, dewatered paper mill sludge may be used as follows:

- a. A fuel or energy source.
- b. Bulking agent or carbon source for composting.
- c. Animal bedding.

102.303(10) *Rubble*. Uncontaminated rubble such as dirt, stone, brick, or similar inorganic materials may be used for beneficial fill, landscaping, excavation, or grading or as a substitute for conventional aggregate at places other than a sanitary disposal project. Asphalt, however, shall not be approved for any of these uses if such use will cause the asphalt to be placed in a waterway or wetland, in any waters of the state, or within a floodplain.

102.303(11) *Sandblasting abrasives*. Sandblasting abrasives that do not contain heavy metal-based paint may be used as follows:

- a. Subbase for hard-surface pavement construction.
- b. Structural fill or fill material.

102.303(12) *Wastewater filter sand*. Wastewater filter sand free of pathogens may be used as follows:

- a. Subbase for hard-surface pavement construction.
- b. Leachate control drainage material at a sanitary landfill.
- c. Structural fill or fill material.

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