

Scrap Tire Marketing Program

Engineered Use Fact Sheet

Scrap tire material used in civil engineering applications is considered an engineered use. Engineered uses must generally comply with the latest edition of “ASTM Standard Practice for Use of Scrap Tires in Civil Engineering Applications” (D 6270-98). Engineered uses must have written approval by the Department before proceeding.

Approved uses include:

SWDF

- Leachate collection systems
- Gas collection systems
- Drainage layer in final cover for closure

Public Works

- Embankments and retaining walls
- Subgrade beneath pavement
- Rubber-modified asphalt

Other

- Aggregate in septic drain fields
- Drains in groundwater/surface water diversion systems
- Any other uses approved by ADEM

Stipulations

- Tire material cannot be placed in or released into waters of the state.
- The use will not be detrimental to human health, public safety, or the environment.
- Use must not constitute disposal and must conform to all other ADEM regulations.
- Tire material must not be used in a layer thicker than nine feet.
- All other permits and approvals must be obtained before submission to ADEM for approval. Approval by ADEM does not infer approval by other agencies.

Application

Anyone desiring to use scrap tire material in an engineered application must submit an Engineered Use Application (Form 537) with application fees, and the current permit fees may

be found on the ADEM web site in Division 1 Regulations, Fee Schedule I or by calling 334-271-7988:

- The location where the project will take place and a legal description of the property. Location must be shown on a U.S. Geological Survey 7.5 minute quadrangle map.
- An affidavit from the property owner acknowledging the use of scrap tire material.
- Detailed plans and specifications of the engineered use prepared by an engineer if required by ADEM.
- Weight or volume of scrap tire material to be used.
- A timetable for construction that includes initiation and completion of activity.
- The source of the scrap tire material and on-site storage plans. A vector control plan should be submitted if required by ADEM Admin. Code 335-4.

Additional Requirements

- Local fire marshal or chief must be notified of use in embankments or retaining walls.
- ADEM must approve the Engineered Use Application before construction can begin. Projects will all receive a PIN from ADEM.
- If required and upon completion, owner/operator must submit certification from an engineer to verify that the project was completed as planned.
- Use of whole or baled tires may be subject to other provisions or may require financial assurance for site closure.

