

General Permit WMGR050
Beneficial Use Of Ash From Coal And Carpet Scrap
For Beneficial Use As Anti-Skid

A. Description:

The approval herein granted is limited to the beneficial use of a residual waste generated from the burning of a mixture of coal and waste carpet scrap (hereinafter referred to as “ash material”), as an anti-skid material on roadways and highways provided that the chemical quality of the ash material does not exceed the limits specified in Condition B. 1, and its use as an anti-skid material complies with the Pennsylvania Department of Transportation (PennDOT) requirements as specified in the current edition of Section 703.4 (anti-skid material) of PennDOT Publication 408, Specifications.

B. Determination of Applicability Requirements:

Persons or municipalities that propose to operate under the terms and conditions of this general permit after the date of permit issuance must obtain a “Determination of Applicability” (DOA) from the applicable regional office of the Department of Environmental Protection’s (DEP) Waste Management Program (see attached list) that has jurisdiction for waste-related activities in the county where waste will be beneficially used. A completed Form 20 (Application for a Municipal or Residual Waste General Permit), along with the DOA application fee as specified in the residual waste regulations, must be submitted to the appropriate regional office of DEP’s Waste Management Program. No activities shall commence unless authorized in writing by DEP.

C. Operating Conditions:

1. The ash material may be used as an anti-skid only where an analysis using the Toxicity Characteristic Leaching Procedure (EPA Method 1311) or the Synthetic Precipitation Leaching Procedure (EPA Method 1312) of a representative sample of the ash material indicates the ash does not exceed the maximum limit for each chemical parameter specified in Table 1.

TABLE 1

<u>Parameter</u>	<u>Maximum limit (mg/L)⁽¹⁾</u>
Aluminum	5.0
Antimony	0.15
Arsenic	0.25
Barium	50.0
Cadmium	0.125
Chromium	2.5
Copper	25.0
Lead	0.125

General Permit WMGR050
Beneficial Use Of Ash From Coal And Carpet Scrap
For Beneficial Use As Anti-Skid

Manganese	2.5
Mercury	0.05
Molybdenum	4.375
Nickel	2.5
pH (solid)	7.0 to 12.5 ⁽²⁾
Selenium	1.0
Silver	2.5
Zinc	50.0

(1) These determinations may be based upon the 90 percent upper confidence level using Test Methods for Evaluating Solid Waste (EPA SW-846) as guidance for statistical treatment of data.

(2) Standard pH units

2. This permit does not authorize and shall not be construed as an approval to discharge any industrial wastes, wastewater, leachate or runoff from the ash generation or storage sites to the waters of the Commonwealth. Runoff from any ash material storage areas shall not cause surface water pollution or groundwater degradation and shall be managed in accordance with The Clean Streams Law and regulations promulgated thereunder.
3. The ash material shall not be mixed with other types of solid wastes, including hazardous waste, municipal waste, special handling waste, or other residual waste prior to its use.
4. Nothing in this permit shall be construed to supersede, amend, or authorize a violation of any of the provisions of any valid and applicable local law, ordinance, or regulations, providing that said local law, ordinance, or regulation is preempted by the Pennsylvania Solid Waste Management Act, 35 P.S. §6018.101 et seq; and the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, 53 P.S. §4000.101 et seq.
5. As a condition of this permit and of the permittee's authority to conduct the activities authorized by this permit, the permittee hereby authorizes and consents to allow authorized employees or agents of the Department, without advance notice or search warrant, upon presentation of appropriate credentials and without delay, to have access and to inspect all areas or contractor controlled adjacent areas where solid waste management activities are being or will be conducted. This authorization and consent shall include consent to collect samples of waste, water, or gases; to take photographs; to perform measurements, surveys, and other tests; to inspect any monitoring equipment; to inspect the methods of operation; and to inspect and/or copy documents, books, and papers required by the Department to be maintained or produced.

General Permit WMGR050
Beneficial Use Of Ash From Coal And Carpet Scrap
For Beneficial Use As Anti-Skid

(See Sec. 608 and 610(7) of the Solid Waste Management Act, 35 P.S. Section 6018.608 and 6018.610(7).) This condition in no way limits any other powers granted to the Department under the Solid Waste Management Act.

6. Any independent contractors or agents retained by the permittee in the completion of activities authorized under this permit shall be subject to prior compliance history review by the Department as specified by the Pennsylvania Solid Waste Management Act of 1980.
7. The permittee shall comply with the terms and conditions of this general permit and with the environmental protection acts to the same extent as if the activities were covered by an individual permit. The Department may require an individual permit if the permittee is not in compliance with the conditions of this general permit or is conducting an activity that harms or presents a threat of harm to the health, safety, or welfare of the people or the environment of this Commonwealth.
8. The activities authorized by this permit shall not harm or present a threat of harm to the health, safety or welfare of the people of environment of this Commonwealth. The Department may modify, suspend, revoke or reissue the authorization granted in this permit if it deems necessary to prevent harm or the threat of harm to the public health, or the environment.
9. The permittee shall comply with all applicable standards for contaminants set forth in Chapter 123 (relating to standards for air contaminants) including §§123.1, 123.2, and 123.31 promulgated in accordance with the Air Pollution Control Act, 35 P.S. §§4001-4005.
10. The permittee shall comply with the fugitive emissions regulations under Title 25 Pa. Code, Chapter 123 (Standards for Contaminants) issued under the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, 35 P.S. §4005 and shall comply with all the applicable provisions of the Fugitive Emissions Sections 123.1, 123.2, and 123.31.
11. Facilities and equipment owned by the permittee that is used for the storage and transportation of the coal/carpet ash material shall be maintained in good operating condition. Routine inspections of the equipment during waste processing operations shall be conducted to ensure the equipment is operating properly and to examine for evidence of equipment failure.
12. Failure of the measures herein approved to perform as intended, or as designed, or to comply with the applicable laws, rules and regulations and terms and conditions of this permit, for any reason, shall be grounds for the

General Permit WMGR050
Beneficial Use Of Ash From Coal And Carpet Scrap
For Beneficial Use As Anti-Skid

revocation or suspension of this permit and the permittee's approval to operate under this permit.

13. All activities conducted under the authorization granted in this permit shall be conducted in accordance with the permittee's application. Except to the extent that the permit states otherwise, the permittee may beneficially use the ash material only as described in the approved application.
14. The permittee shall inform all persons or municipalities that propose to beneficially use the ash material covered under this permit of the conditions and limitations imposed on the use of the ash by the Department of Environmental Protection. This notification shall be by providing a copy of Appendix "A" (Use Restrictions") of this permit. The conditions in Appendix "A" also apply to the permittee and any person or municipality that obtains a Determination of Applicability to conduct activities authorized by this permit. The permittee shall record the name and address of each person who is given or purchases the ash material and shall record the volume or amount. This information shall be included in the annual report required in Condition E. 3.
15. A person or municipality that plans to continue the beneficial use authorized under this general permit after the expiration date indicated on the approval for coverage page shall file a complete application for permit renewal at least 180 days before the expiration date of this general permit unless permission has been granted by DEP for submission at a later date. The renewal application shall be made using "Form 20" (Application for a Municipal or Residual Waste General Permit).

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the general permit or approval for coverage before its current coverage expiration date, the terms and conditions of the approved coverage will automatically continue and will remain fully effective and enforceable pending the issuance or denial of the renewal for permit coverage, provided the permittee is and has been operating in compliance with the terms and conditions of the general permit.

D. Recordkeeping:

1. Records of any analytical evaluations conducted on the ash material pursuant to the residual waste regulations shall be retained by the permittee at the permittee's place of business and shall be available to the Department for inspection. At a minimum, these records are to include information on the dates of testing, each parameter tested, the results, the laboratory, sampling procedures, analytical methodologies and person(s) collecting the sample.

General Permit WMGR050
Beneficial Use Of Ash From Coal And Carpet Scrap
For Beneficial Use As Anti-Skid

This waste analysis information shall be retained by the permittee for a minimum of 5 years after the analyses were performed.

2. The permittee shall maintain at the permitted facility or work location an updated copy of a Preparedness, Prevention, and Contingency (PPC) plan for the facility prepared in accordance with the most recent edition of the Department's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans". The PPC plan shall be updated every 5 years, or more frequently if necessary (e.g., if changes in the phone numbers, equipment, or regulatory requirements occur).

E. Reporting:

1. The permittee shall notify the Department, in writing within 45 days, of any changes in: the company name, address, owners, operators and responsible officials; land ownership and the right to enter or operate on the land where the ash material is generated; the physical or chemical characteristics of the ash material; and the suspension, revocation or non-renewal in the status of any permit issued by the Department or federal government under the environmental protection acts.
2. The permittee shall immediately notify the Department's Emergency Hotline at (717) 787-4343, and the appropriate DEP regional office, in the event of a spill of the ash material and shall take appropriate immediate action to protect the environment and the health and safety of the public. Spills of less than 1000 pound need not be immediately reported, but are to be recorded in the annual report.
3. The permittee shall submit to the appropriate regional office of the Department's Bureau of Waste Management an annual report that summarizes the information outlined in Conditions E. 1, E. 2, C. 14. The annual report shall include information on the dates and amounts (weight or volume) of ash material sold or given to any person or municipality for beneficial use as an anti-skid material. The annual report, due on the anniversary date of this permit's issuance, must also include the results of chemical analysis on a representative sample of the ash material that are collected and tested annually for all the parameters listed in Condition 2.

General Permit WMGR050
Appendix “A”
Use Restrictions

The approval granted under General Permit WMGR050 is limited to the beneficial use of ash material, generated from the burning of a mixture of coal and waste carpet scraps, for use as an anti-skid material provided it does not exceed the chemical limits of General Permit WMGR050 and complies with the Pennsylvania Department of Transportation (PennDOT) requirements for anti-skid material as outlined in the current edition of Section 703.4 (anti-skid material) of PennDOT Publication 408, Specifications. The use of the ash material shall be limited to the amount that is customarily and commonly appropriate in practice.

- A1. The ash material shall not be stored within the following isolation distances:
 - a. Within 300 feet of a source of drinking water unless otherwise approved by the Department in writing;
 - b. Within 100 feet of a sinkhole or the area draining into a sinkhole.
- A2. The ash material shall not be stored or placed in direct contact with groundwater or surface water.
- A3. The ash material shall not mixed with other types of solid wastes, including hazardous waste, municipal waste, special handling waste, or other residual waste prior to its use.
- A4. The use of this material shall not harm or present a threat a threat of harm to the health, safety or welfare of the people or environment of this Commonwealth.
- A5. The storage, transportation, or use of the ash material shall be in a manner that will not create a nuisance or be harmful to public health, safety, or the environment, and shall be in a manner that prevents the dispersal of the ash by wind or water erosion.
- A6. The storage of the ash material shall not cause surface water pollution or groundwater degradation and shall be managed in accordance with The Clean Streams Law and regulations promulgated thereunder.

**Department of Environmental Protection
Regional Offices
(and Counties Served)**

- I. Bucks, Chester, Delaware, Montgomery, Philadelphia.

Southeast Regional Office
2 East Main Street
Norristown, PA 19401
Phone: (484) 250 – 5960

- II. Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, Wyoming.

Northeast Regional Office
2 Public Square
Wilkes-Barre, PA 18711-0790
Phone: (570) 826 – 2516

- III. Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, York.

Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110-8200
Phone: (717) 705 – 4706

- IV. Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union.

Northcentral Regional Office
208 West 3rd Street – Suite 101
Williamsport, PA 17701
Phone: (570) 327 – 3653

- V. Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, Westmoreland.

Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222-4745
Phone: (412) 442 – 4000

- VI. Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, Warren.

Northwest Regional Office
230 Chestnut Street
Meadville, PA 16335-3481
Phone: 814-332 – 6848