



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

BUREAU OF WASTE MANAGEMENT

DIVISION OF MUNICIPAL and RESIDUAL WASTE

GENERAL PERMIT WMGR138

**PROCESSING OF YARD WASTE, LAND CLEARING AND
GRUBBING WASTE, CONCRETE AND ASPHALT WASTE,
CONSTRUCTION AND DEMOLITION WASTE AND PRE-
CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES.**

Issued: July 24, 2023

Expires: July 24, 2033

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

A. Description:

This general permit authorizes the transfer, beneficial use and the following:

1. Processing of yard waste for beneficial use as finished mulch for landscaping purposes.
2. Processing of land clearing and grubbing waste for beneficial use as a compost for landscaping purposes.
3. Processing by crushing, grinding, and screening concrete and asphalt waste for beneficial use as a construction material in roadway and parking area construction.
4. Processing, including sorting and screening only, for recycling of residential construction and demolition waste including clean wood, gypsum board, stone, brick, concrete block, cardboard, particle board, drywall, scrap metal, plastic waste, and glass.
5. Processing of pre-consumer (i.e., imperfections, tabs, trimming scraps, etc. generated in the manufacturing of new asphalt shingles and damaged, unused shingles) and post-consumer (tear-offs) asphalt shingles for beneficial use when added to materials in Condition A (3) above. The processing is limited to sorting, screening, grinding, and magnetic removal of ferrous metal.

B. Determination of Applicability Requirements:

A person or municipality that proposes to process and/or beneficially use yard waste, land clearing and grubbing waste, concrete and asphalt waste, construction and demolition waste and pre-consumer and post-consumer asphalt shingles under the terms and conditions of this general permit after the date of permit issuance must obtain a "Determination of Applicability" ("DOA") from the appropriate Department Regional Office (see attached list) prior to commencing authorized activities under this general permit. A completed application on forms provided by the Department must be submitted electronically to the appropriate Department Regional Office. Additionally, the application fee should be submitted to the appropriate Department Regional Office. Checks shall be made payable to the "Commonwealth of Pennsylvania". No activities shall commence unless approved, in writing, by the Department.

C. Operating Conditions:

1. The facility shall not be located:
 - a. In the 100-year floodplain of a water of this Commonwealth;

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

- b. In or within 300 feet of an exceptional value wetland;
 - c. In or within 100 feet of a wetland other than an exceptional value wetland;
 - d. Within 300 feet measured horizontally from an occupied dwelling unless the owner has provided a written waiver consenting to the facility being closer than 300 feet.
 - e. Within 100 feet of a perennial stream;
 - f. Within 50 feet of a property line unless the owner has provided a written waiver to the facility being closer than 50 feet.
 - g. Within 300 feet of a private or public water source, unless the owner has provided a written waiver consenting to the facility being closer than 300 feet;
 - h. Within 900 feet unless a written waiver is obtained from the current property owner of:
 - i. A building owned by a school district or parochial school and used for instructional purposes;
 - ii. A park;
 - iii. A playground;
 - i. In an area where the facility would adversely affect a habitat of a known endangered or threatened species.
2. The following requirements must be met for the composting operation of land clearing and grubbing waste:
- a. No more than 15,000 cubic yards of land clearing and grubbing waste shall be placed, stored, or processed at the facility where composting activity occurs or is planned to occur.
 - b. The compost pad for composting the land clearing and grubbing waste shall be constructed in a well-drained area with a workable surface and slope of 2-4 percent to prevent ponding and control surface water.
 - c. The size of the compost piles or windrows should not exceed eight feet in height or sixteen feet in width unless the composting technology can adequately manage the compost piles and is approved by the Department.
 - d. The temperature of the compost during composting operations must be maintained at a minimum of 55 degrees Celsius (131°F) or greater for at least 15 days, and the windrows shall be turned a minimum of five times.

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

- e. Compost piles or windrows shall be constructed within one week following receipt of compostable material at the facility.
 - f. During the active composting process, the optimal moisture content of the windrows or compost piles shall range from 40 to 60 percent to promote decomposition.
 - g. All surface water shall be diverted away from tipping, processing, composting, curing, and storage areas. Surface water controls shall be based on a 24-hour precipitation event to be expected once every 25 years. Proper drainage must be maintained to prevent ponding and excessive moisture.
 - h. To promote decomposition, compost piles and windrows shall be turned and reconstructed at least once every three (3) months. A higher turning frequency may be required, depending on the composting technology unless the composting technology requires more intensive management.
 - i. At a minimum, 20 feet of space shall be maintained around windrows to allow the unobstructed movement of emergency personnel and equipment.
 - j. The minimum curing time for the compost shall be at least 30 days after the composting processing is finished.
3. The crushed concrete and asphalt materials may be beneficially used if the following criteria are met:
- a. The crushed concrete and asphalt material must comply with the requirements of the Pennsylvania Department of Transportation (PennDOT) specifications outlined in their Publication No. 408 (Specifications).
 - b. The crushed concrete and asphalt materials must conform to the applicable engineering properties as the raw material it is being substituted for.
 - c. The permittee and subsequent sellers of the crushed concrete and asphalt materials shall inform all persons or municipalities and other entities who purchase crushed concrete and asphalt materials from the permittee, which propose to beneficially use the crushed concrete and asphalt materials covered under this general permit of the conditions and limitations imposed on the beneficial use of crushed concrete and asphalt materials by the Department of Environmental Protection. This notification shall be by providing a copy of Appendix A (Use Restrictions) of this permit to all persons or municipalities which propose to beneficially use the crushed concrete and asphalt materials. The conditions in Appendix A also apply to: (1) the permittee, (2) any municipality or person who obtains a determination of applicability to conduct activities authorized by this general permit, and (3) all subsequent end-users of the crushed concrete and asphalt materials.

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

- d. The crushed concrete and asphalt shall not be accumulated before being beneficially used unless the operator shows that the crushed concrete and asphalt materials have the potential to be beneficially used. The materials shall not be stored for more than two (2) consecutive construction seasons, and, at any one time, the maximum amount stored may not exceed the total amount of materials as described in the approved application.
4. The permittee shall visually inspect each incoming truckload or container of pre- and post-consumer asphalt shingles for signs of asbestos or other unacceptable wastes. The permittee shall conduct sampling for asbestos at the rate of one (1) in every ten (10) truckloads or containers received at the facility. In addition, the permittee shall sample all loads suspected of containing asbestos. Loads made solely of any of the following are not required to be sampled for asbestos and shall not be counted toward the 1 in 10 sampling frequency:
 - a. Pre-consumer asphalt shingles that have been certified by the manufacturer as containing no asbestos;
 - b. Pre- and post-consumer asphalt shingles that have been tested prior to acceptance by a laboratory accredited to make asbestos determinations and are accompanied with documented test results;
 - c. Post-consumer asphalt shingles generated from a residential home that is documented by the contractor or generator to have been constructed after 1975.

All samples shall be analyzed using EPA Method 600/R-93-116, OSHA Method Number ID-191, or another polarized light microscopy method approved by the Department. Asbestos analyses shall be performed by a laboratory that is in compliance with the Pennsylvania Environmental Laboratory Accreditation Act, Act of 2002, No. 90, 27 Pa. C.S. § 4101 et. seq.

5. The permittee shall inform all persons or municipalities which propose to beneficially use the processed pre- and post-consumer asphalt shingles covered under this permit of all the conditions and limitations imposed on the use of pre- and post-consumer asphalt shingles by the Department of Environmental Protection and ensure that the beneficial use of pre- and post-consumer shingles is in accordance with the Acceptable Uses and Use Restrictions of Appendix C (Restrictions on Pre- and Post-Consumer Asphalt Shingles). This notification shall be by providing a copy of Appendix C. The Acceptable Uses and Use Restrictions in Appendix C apply to any permittee including one who obtains a Determination of Applicability to conduct activities authorized by this permit, and to any user of the pre- and post- consumer asphalt shingles.
6. The beneficial use of finished mulch material or finished compost is contingent upon compliance with this general permit and, if distributed, the Pennsylvania Commercial Feed Act, the Pennsylvania Fertilizer Act, and the Pennsylvania Soil and Plant Amendment Act of the Pennsylvania Department of Agriculture, as

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

applicable. (Information relating to these laws may be obtained from the Department of Agriculture by writing the Bureau of Plant Industry, Division of Agronomic Services, 2301 North Cameron Street, Harrisburg, PA 17110-9408.).

7. The permittee and subsequent sellers of the mulch and finished compost shall inform all persons or municipalities and other entities who purchase mulch or finished compost from the permittee, which propose to beneficially use the mulch and finished compost covered under this general permit of the conditions and limitations imposed on the beneficial use of mulch and finished compost by the Department of Environmental Protection. This notification shall be by providing a copy of Appendix B (Use Restrictions) of this permit to all persons or municipalities which propose to beneficially use the mulch or finished compost. The conditions in Appendix B also apply to: (1) the permittee, (2) any municipality or person who obtains a determination of applicability to conduct activities authorized by this general permit, and (3) all subsequent end-users of the crushed mulch or finished compost.
8. The finished mulch material and finished compost authorized under the terms and conditions of this general permit shall cease to be a waste if the following requirements are met:
 - a. The finished mulch material or finished compost is sold, traded, distributed, or given away for landscaping activities. This provision applies to the finished mulch material or finished compost that is sold, traded, distributed, or given away for landscaping activities at locations other than the processing facility where the material is produced.
 - b. The finished mulch material or finished compost is not abandoned or disposed.
 - c. The finished mulch material or finished compost shall not be used as valley fill material, to fill open pits from coal or non-coal mining or other fills, or to level an area or bring an area to grade.
9. The operator of the facility must develop and maintain a plan for the alternative management of materials during periods when the facility is not in operation. Waste may not be stored for more than one year at the permitted facility.
10. Upon cessation of permitted operations at the facility, the permittee shall assure remove all wastes and provide for the processing, recycling, beneficial use, or disposal of wastes in accordance with the SWMA, the environmental protection acts and the regulations promulgated thereunder.
11. The activities authorized by this permit shall not cause or allow conditions that are harmful to the environment, public health or safety, including but not limited to, odors, noise, or other public nuisances. The operator of the facility must develop and implement a nuisance minimization plan that will manage any circumstances that are harmful to the environment or public health. The

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

permittee shall not cause or allow the attraction, harborage, or breeding of vectors.

12. All waste stored at the facility shall be managed in accordance with Chapter 299 of the residual waste regulations. Materials no longer considered waste stored at the facility shall be stored in a manner that prevents harborage or breeding of vectors or creation of odor, litter and other nuisances that may be harmful to public health, safety, welfare, or the environment and shall not be accumulated speculatively. Equipment used for the storage of residual waste shall be maintained in good operating condition. Daily inspections of each storage area and surrounding environs shall be conducted to determine compliance of the terms and conditions of this general permit and for evidence of failure.
13. The processing and storage of construction and demolition waste for recycling shall be conducted in a manner that prevents harborage or breeding of vectors or creation of dust, litter, noise, and other nuisances which may be harmful to the public health, safety, welfare, and the environment. Storage shall be in a manner that prevents dispersal of unprocessed and processed construction and demolition waste by wind or water erosion and shall comply with the requirements of Title 25 Pa. Code, Chapter 285. Equipment used for the storage of construction and demolition waste shall be maintained in good operating condition. Weekly inspections of each storage area and surrounding environs shall be conducted to determine compliance of the terms and conditions of this general permit and for evidence of failure.
14. Any residues from processing of residual waste materials and unacceptable waste shall be transported, within 90 days, to a recycling facility or a permitted disposal facility authorized to manage the waste in a manner that complies with 25 Pa. Code Chapter 299 (relating to the transportation of residual waste) or 40 CFR Part 263 (relating to transportation of hazardous waste), as incorporated by reference in 25 Pa. Code 262a.10, whichever is applicable.
15. Leachate generated shall be stored in a tank, container, or impoundment designed in accordance with 25 Pa. Code Chapter 299 prior to treatment or reuse on-site, discharged to a POTW or hauled off-site for treatment and/or disposal. The leachate shall be managed in accordance with The Clean Streams Law and regulations promulgated thereunder. All necessary permits for the management of leachate at the facility must be obtained prior to beginning composting operations.
16. The access road to the facility shall be paved or surfaced with asphalt, gravel, cinder or equivalent material and capable of withstanding the vehicular traffic. The access road shall be compacted and maintained in order to control dust and to prevent or minimize the tracking of mud onsite or offsite. A gate or other barrier shall be maintained at potential vehicular access points to block unauthorized access to the site when the facility is not in operation.

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

17. All activities conducted under the authorization granted in this permit shall be conducted in accordance with the permittee's application. Except to the extent the permit states otherwise, the permittee shall utilize materials as described in the permit application.
18. The permittee shall comply with the fugitive emissions regulations under 25 Pa. Code, Chapter 123 (relating to 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 25 Pa. Code §§123.1 and 123.2 (relating to prohibition of certain fugitive emissions and fugitive particulate matter).
19. 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 regulation, providing that said local law, ordinance, or regulation is not preempted by the Solid Waste Management Act (SWMA), 35 P.S. §§ 6018.101—6018.1001; and the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, 53 P.S. §§4000.101, et seq.
20. As a condition of this general permit and of the permittee's authority to conduct the activities authorized by this general 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 to and inspect all areas on which solid waste management activities are being, will be, or have been conducted. This authorization and consent shall include consent to collect samples of waste, soils, water, or gases; take photographs; perform measurements, surveys, and other tests; inspect any monitoring equipment; inspect the methods of operation and inspect and/or copy documents, books, and papers required by the Department to be maintained. This permit condition is referenced in accordance with Sections 6018.608 and 6018.610(7) of the SWMA, 35 P.S. §§ 6018.608 and 6018.610(7). This condition in no way limits any other powers granted under the SWMA.
21. Any independent contractors or agents retained by the permittee in the completion of activities authorized under this general permit shall be subject to compliance history review by the Department prior to performance of any activities, as specified by the SWMA.
22. Failure of measures herein approved to perform as intended, or as designed, or in compliance with the applicable laws, rules, and regulations and terms and conditions of this permit, for any reason, shall be grounds for the revocation or suspension of the permittee's approval to operate under this permit.
23. The activities authorized by this general permit shall not harm or present a threat of harm to the health, safety, or welfare of the people or environment of this Commonwealth. The Department may modify, suspend, revoke, and reissue the authorization granted in this general permit if it deems necessary to prevent harm

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

or the threat of harm to the public health, and the environment or if they cannot be adequately regulated under the conditions of this general permit.

24. 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 be obtained if the permittee cannot comply 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 public or the environment of this Commonwealth.
25. This permit does not authorize and shall not be construed as an approval to discharge any waste, wastewater, or runoff from the site of processing to the land or waters of the Commonwealth.
26. Best Management Practices shall be implemented to divert storm water run-on from the storage area. Storm water runoff shall be managed in accordance with The Clean Streams Law and regulations promulgated thereunder. Prior to beginning operations at the facility, the operator must obtain all necessary storm water management permits.
27. The wastes identified in Conditions A(1)-(5) shall not be mixed with other types of solid wastes, including hazardous waste, municipal waste, special handling waste, or other residual waste, as the terms are defined in 25 Pa. Code § 287.1.
28. The permittee shall maintain in force and affect a general liability insurance policy in accordance with 25 Pa. Code, Chapter 287, Subchapter E (relating to bonding and insurance requirements) to provide continuous coverage during operation of the facility and until the Department issues a final closure certification.
29. The permittee shall maintain a bond in an amount and with sufficient guarantees as provided by 25 Pa. Code, Chapter 287, Subchapter E (relating to Bonding and Insurance Requirements).
30. The bond filed with the Department under Condition C(29) shall continue for the operational life of the facility, until 10 years after final closure of the facility, unless released in whole or in part by the Department, in writing, prior thereto as provided by 25 Pa. Code § 287.341 (relating to Release of Bonds).
31. Analytical testing required by this general permit shall be performed by a laboratory accredited under the Pennsylvania Environmental Laboratory Accreditation Act, Act of 2002, 27 Pa. C.S.A. §§ 4101-4113.

D. Recordkeeping:

1. The permittee shall maintain records of all analytical evaluations, including asbestos determinations, conducted in accordance with this permit, and records shall be made available to the Department upon request. Required records shall

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

be retained for a minimum of 5 years. Records of analytical evaluations must include, at a minimum, the following for each sample: the dates of sampling and testing, sampling procedures utilized, name of the individual who collected the sample, the volume or weight of the sample, each parameter tested, the analytical results, the name of the analytical laboratory used, and the analytical methodologies employed.

2. The permittee shall maintain records of all waste accepted by the facility, and records shall be made available to the Department upon request. Required records shall be retained for a minimum of 5 years. Records of each source of incoming waste must include, at a minimum, the following: the name, address, and phone number of each source of incoming waste; the date of receipt; the quantity of waste received; the results of visual observations; and the name, address, and phone number of the destination of each outgoing shipment of waste. The permittee shall also maintain records of spills or releases that include, at a minimum, the following: the location, date, time, identification, and quantity of spilled or released material, and a description of how the material was cleaned up. The permittee shall also maintain records of all reports submitted to the Department or to the U.S. Environmental Protection Agency.
3. Records for composting operations shall be maintained to ensure that all compost produced by the facility meets the time and temperature requirements of the permit. These records shall be provided to the Department upon request and shall be maintained onsite for a minimum of five years.
4. Records of inspections of storage areas shall be maintained to ensure that they are being performed in accordance with required timeframes. These records shall be provided to the Department upon request and shall be maintained onsite for a minimum of five years.

E. Reporting Requirements:

1. Any person that operates under the provisions of this permit shall immediately notify the Department via certified mail of any changes in: the company name, address, owners, operators, and/or responsible officials of the company, compliance status, and the status of any permit issued by the Department or federal government under the environmental protection acts.
2. Persons operating under the provision of this general permit shall submit to the appropriate Department Regional Office (see attached list), an annual report on the beneficial use activities conducted under this permit by March 1 for the preceding calendar year. This report shall include the information required by Conditions D(1)-(3).
3. The permittee shall immediately notify the Department's Emergency Hotline by telephone at 800-541-2050 and the waste management program in the appropriate DEP regional office (see attached list) of any accidental spills and

GENERAL PERMIT NO. WMGR138
PROCESSING OF YARD WASTE, LAND CLEARING AND GRUBBING WASTE,
CONCRETE AND ASPHALT WASTE, CONSTRUCTION AND DEMOLITION WASTE
AND PRE-CONSUMER AND POST-CONSUMER ASPHALT SHINGLES FOR
VARIOUS BENEFICIAL USES

shall take appropriate immediate action to protect the health and safety of the public and the environment.

F. Renewal:

A generator or supplier that plans to continue the operations 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 the Department for submission at a later date. The renewal applications shall be submitted electronically to the appropriate DEP Regional Office (see attached list) and include, at a minimum, the following:

1. General Information Form (Authorization Application for a Residual or Municipal Waste General Permit Application),
2. Form B (Professional Certification),
3. Form 20 (Application for a Municipal or Residual Waste General Permit),
4. Form 27R (Acceptance of General Permit Conditions), and
5. Updated Bonding Worksheets.

Additionally, a renewal application fee in the amount identified in Section A (General Information) of the Form 20 must be sent to the appropriate Department Regional Office. A check shall be made payable to the "Commonwealth of Pennsylvania."

In the event that a timely and complete application for renewal has been submitted and the Department 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.

**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, Beaver, Cambria, Fayette, Greene, Somerset, Washington, Westmoreland.

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

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

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

GENERAL PERMIT WMGR138 PROCESSING OF RESIDUAL WASTE FOR BENEFICIAL USE

APPENDIX A

RESTRICTIONS OF USE OF CONCRETE AND ASPHALT MATERIALS AS A ROADWAY CONSTRUCTION MATERIAL

The following "Use Restrictions" apply to the beneficial use of the crushed concrete and asphalt as a roadway construction material. Persons or municipalities receiving, storing, and/or using the crushed concrete and crushed asphalt for beneficial use purposes must comply with the following requirements:

USE RESTRICTIONS:

- A1. The crushed concrete and asphalt materials shall not be placed in direct contact with surface or ground water.
- A2. The crushed concrete and asphalt materials or construction material manufactured using crushed concrete and asphalt materials as a component or ingredient shall not be used as a valley fill material, to fill open pits from coal or non-coal mining or other fills, or to level an area or bring an area to grade.
- A3. Hazardous waste, municipal waste, municipal special handling waste, and other residual waste may not be mixed, stored, and/or beneficially used with the crushed concrete and asphalt materials.
- A4. The crushed concrete and asphalt materials shall be stored in a manner that minimizes creation of dust, litter, noise and other nuisances which may be harmful to the public health, safety, welfare, and the environment. Storage shall be in a manner that minimizes dispersal of crushed concrete and asphalt materials by wind or water erosion.
- A5. Runoff from the crushed concrete and asphalt 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.

GENERAL PERMIT WMGR138 PROCESSING OF RESIDUAL WASTE FOR BENEFICIAL USE

APPENDIX B RESTRICTIONS OF USE OF FINISHED MULCH AND FINISHED COMPOST AS A LANDSCAPING MATERIAL

The following “Use Restrictions” apply to the beneficial use of finished mulch as a landscaping material and/or finished compost. Persons or municipalities receiving, storing, and/or using the finished mulch material or finished compost for beneficial use purposes must comply with the following requirements:

USE RESTRICTIONS:

- B1. The finished mulch material or finished compost shall not be placed in direct contact with surface or ground water.
- B2. The finished mulch material or finished compost shall not be used as a valley fill material, to fill open pits from coal or non-coal mining or other fills, or to level an area or bring an area to grade.
- B3. Hazardous waste, municipal waste, municipal special handling waste, and other residual waste may not be mixed, stored, and/or beneficially used with the finished mulch material or finished compost.
- B4. The finished mulch material or finished compost shall be stored in a manner that minimizes harborage or breeding of vectors or creation of dust, litter, noise and other nuisances which may be harmful to the public health, safety, welfare, and the environment. Storage shall be in a manner that minimizes dispersal of mulch or compost by wind or water erosion. The storage of mulch or compost shall comply with the requirements as specified in Pa. Code, Chapter 285 (relating to Storage, Collection, and Transportation of Municipal Waste).
- B5. Runoff from the finished mulch material or finished compost shall not cause surface water pollution or groundwater degradation and shall be managed in accordance with The Clean Streams Law and regulations promulgated thereunder.

GENERAL PERMIT WMGR138

PROCESSING OF RESIDUAL WASTE FOR BENEFICIAL USE

APPENDIX C

RESTRICTIONS FOR PRE- AND POST-CONSUMER ASPHALT SHINGLES

The following "Use Restrictions" apply to the beneficial use of pre- and post-consumer asphalt shingles. Pre- and post-consumer asphalt shingles are considered processed when they have had any wood waste, tar paper, metal flashing and ferrous metal, including nails, removed, and ground or shredded to meet any size gradation requirements for the intended use.

Persons receiving, storing, and/or using the processed pre- and post-consumer asphalt shingles for beneficial use purposes are required to comply with the following requirements:

ACCEPTABLE USES:

- C1. Approval for the beneficial use of processed pre- and post-consumer asphalt shingles is limited only to use as an ingredient in hot-mix and cold-mix asphalt paving material, a component of sub-base material, as dust control on rural roads when applied with a binder, as a component or ingredient in fuel used in cement manufacturing or in the generation of electricity or steam.

- C2. Approval for the beneficial use of processed pre- and post-consumer asphalt shingles as a roadway construction material is limited to and must comply with the following technical standards developed by the Pennsylvania Department of Transportation (PennDOT), as outlined in their Publication 408, *Specifications*:
 - (a) 300 (Base Courses)
 - (b) 400 (Flexible Pavements)
 - (c) 703 (Aggregate, excluding 703.4 anti-skid material)

- C3. Approval for the beneficial use of processed pre- and post-consumer asphalt shingles as an ingredient or component of hot-mix or cold-mix asphalt paving material shall conform with the applicable material standards as set forth in the following American Society of Testing Material (ASTM) standards and the American Association of State Highway and Transportation Officials (AASHTO) standards or other applicable national, state, or industry standard or specification for which the processed pre- and post-consumer asphalt shingles are being submitted.
 - (a) ASTM D 242 Standard Specification for Mineral Filler for Bituminous Paving Material
 - (b) ASTM D 692 Standard Specification for Coarse Aggregate for Bituminous Paving Material
 - (c) ASTM D 693 Standard Specification for Crushed Aggregate for Macadam Pavements
 - (d) ASTM D 979 Standard Practice for Sampling Bituminous Paving Mixtures

GENERAL PERMIT WMGR138

PROCESSING OF RESIDUAL WASTE FOR BENEFICIAL USE

- (e) ASTM D 1073 Standard Specification for Fine Aggregate for Bituminous Paving Material
 - (f) ASTM D 1241 Standard Specification for Materials for Soil-Aggregate Sub-Base, Base and Surface Courses
 - (g) ASTM D 2940 Standard Specification for Graded Aggregate Materials for Bases or Sub-Bases for Highways or Airports
 - (h) AASHTO MP 15 Standard Specification for Use of Reclaimed Asphalt Shingle as an Additive in Hot Mix Asphalt
- C4. Processed pre- and post-consumer asphalt shingles may be utilized as fuel in cement kilns, lime kilns, coal-fired power plants and fluidized bed cogeneration plants provided their air quality permits or approvals cover use of the processed pre- and post-consumer asphalt shingles as fuel.
- C5. The amount of processed pre- and post-consumer asphalt shingles when applied with a binder and used for dust control on rural roads shall not exceed the customary amount required by standard engineering practices.

USE RESTRICTIONS:

- C6. Processed pre- and post-consumer asphalt shingles shall not be stored in direct contact with, or applied within 4 feet of the seasonal high water table, perched water table, or within 4 feet of bedrock unless otherwise authorized by the Department.
- C7. The storage, transportation or use of the processed pre- and post-consumer asphalt shingles shall be in a manner which will not create a nuisance or be harmful to the public health, safety or the environment.
- C8. Runoff from the processed pre- and post-consumer asphalt shingles 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.
- C9. Processed pre- and post-consumer asphalt shingles or materials manufactured using processed pre- and post- consumer asphalt shingles as a component or ingredient shall not be used as a valley fill material, to fill open pits from coal or other fills, or to level an area or bring an area to grade where a roadway construction activity is not completed within 3 months after placement

**GENERAL PERMIT WMGR138
PROCESSING OF RESIDUAL WASTE FOR BENEFICIAL USE**

of the processed pre- and post- consumer asphalt shingles or materials derived from the processed pre- and post-consumer asphalt shingles.