

GENERAL PERMIT NUMBER WMGR114

**PROCESSING SPENT POLYETHYLENE GLYCOL SLURRY CONTAINING
SILICON AND SILICON CARBIDE OR DIAMOND
AND SPENT ALUMINUM COLD ROLLING FLUIDS**

Rev. 8/2011

Description:

The approval herein granted is limited to:

1. the processing of spent polyethylene glycol slurry containing silicon and silicon carbide or diamond ("waste") for beneficial use in fresh slurry and in production of silicon ingots.
2. The processing of spent aluminum cold rolling fluids for reuse as aluminum cold rolling fluid.
3. The authorized processing is limited to mechanical separation, including filtration, vacuum evaporation, drying, classification and grinding.

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 or reissue the authorization granted in this general permit if it deems necessary to prevent harm or the threat of harm to the public health, or the environment.

Registration Requirements:

All processors that propose to operate under the terms and conditions of this general permit after the date of permit issuance must register its use with the Department of Environmental Protection at least 30 days prior to commencing processing of spent polyethylene glycol slurry containing silicon and silicon carbide or diamond or spent aluminum cold rolling fluids and provide proof that notification was provided to the municipality and county, in which the processing activities will be conducted. A completed registration form, along with a registration fee in the amount identified on the registration form must be submitted to the Waste Management Program at the Department's appropriate Regional Office. Checks shall be made payable to the Commonwealth of Pennsylvania.

Operating Conditions:

1. A facility operating under this general permit shall not be located:
 - a. within 300 yards of a building owned by a school district or parochial school used for instructional purposes, unless the current property owner of the school provides a written waiver of this requirement.

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- b. within 300 yards of a park or playground, unless the current property owner of the park or playground provides a written waiver of this requirement.
 - c. in the 100-year floodplain of waters of this Commonwealth, unless the Department approves in the permit a method of protecting the facility from a 100-year flood consistent with the Flood Plain Management Act (32 P. S. §§ 679.101 - 679.601) and the Dam Safety and Encroachments Act (32 P. S. §§ 693.1 - 693.27).
2. 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 shall operate the facility as described in the approved application.
3. The permittee shall inspect the incoming waste to ensure that it is free of hazardous waste or other materials.
4. Spent polyethylene glycol slurry containing silicon and silicon carbide or diamond and spent aluminum cold rolling fluids shall not be mixed with each other or other types of solid wastes, including hazardous waste, special handling waste, or residual or municipal waste.
5. Spent polyethylene glycol slurry containing silicon and silicon carbide or diamond and spent aluminum cold rolling fluids and residues from processing shall not be accumulated speculatively as defined in 25 Pa. Code § 287.1.
6. Storage of waste and residues from processing by the permittee shall be in a manner that complies with 25 Pa. Code Chapter 299 (relating to the storage of residual waste).
7. 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.
8. Equipment must be inspected and monitored during waste processing activities to ensure that equipment operates properly to prevent spillage or release of waste or other materials resulting from the processing activities.

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9. In the event of a spill or release of waste or any other materials resulting from processing, the permittee shall take appropriate immediate action to protect the health and safety of the public and the environment. 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 discharge or spill waste or any other materials resulting from processing and shall take appropriate immediate action to protect the health and safety of the public and the environment. Spills of less 100 gallons of waste or any other materials resulting from processing need not be immediately reported, but should be recorded as specified in Condition 10.

10. The permittee shall retain records at the permittee's place of business for a minimum of 5 years from the date the records were generated and shall make them available to the Department for inspection upon request. These records shall contain the source of incoming waste including the name, address, and telephone number of the source, the date of receipt and quantity of waste received, the identity, quantity, and date materials were reused to prepare fresh slurry and aluminum cold rolling fluids, and the identity, quantity, and date materials were shipped off-site for use in a manufacturing process or for disposal. These records shall also include date of spill or discharge, quantity and identity of material spilled or discharged, action taken, and records of inspections in Condition 8.

11. Any independent contractors or agents retained by the permittee in the completion of activities authorized under this general permit shall be in compliance with all environmental statutes, regulations and Orders of the Department.

12. By registering under this general permit, the permittee hereby 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 permittee-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. (See Sec. 608 and 610(7) of the Solid Waste Management Act, 35 P.S. §§ 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.

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13. 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, provided that said local law, ordinance, or regulation is not preempted by the Pennsylvania Solid Waste Management Act, 35 P.S. §§ 6018.101 – 6018.1003; Municipal Waste Planning, Recycling and Waste Reduction Act, 53 P.S. §§ 4000.101 – 4000.1904; Air Pollution Control Act, 35 P.S. §§ 4001 – 4015, and The Clean Streams Law, 35 P.S. §§ 691.1 – 691.1001.

14. Failure of the measures herein approved to perform as intended, 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.

15. Any person that operates under the provisions of this general permit shall immediately notify the Waste Management Program at the Department's appropriate Regional Office via certified mail of any changes in: the company name, address, owners, operators and responsible officials; land ownership and the right to enter and operate on any land occupied by a facility; the system used to process waste; and the status of any permit issued by the Department or federal government under the environmental protection acts.

At least thirty (30) days prior to a permittee operating a processing facility at a new location, two (2) completed copies of the registration form available from the Department's Bureau of Waste Management must be supplied to the Waste Management Program at the Department's appropriate Regional Office.

16. The permittee shall maintain at the permitted facility 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 phone numbers, equipment, or regulatory requirements occur).

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17. 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.
18. Upon cessation of operations at the facility, the permittee shall comply with any applicable closure requirements in 25 Pa. Code § 297.272.
19. Provided they are not accumulated speculatively and meet any specification necessary for their intended use, the following are no longer wastes:
 - a. polyethylene glycol, silicon carbide, and diamond used to prepare fresh slurry.
 - b. silicon and silicon carbide used in the manufacture of silicon ingots.
 - c. regenerated aluminum cold rolling fluids.
20. Polyethylene glycol, silicon, silicon carbide, diamond or aluminum cold rolling fluids that does meet the specifications necessary for their intended use, must either be reprocessed to meet the specifications or be managed as waste in accordance with the requirements in 25 Pa. Code Chapters 287 through 299.

**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 18701-1915
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