

**GENERAL PERMIT WMGR011**  
**PROCESSING OF SPENT ANTIFREEZE FOR USE AS**  
**RECONDITIONED ANTIFREEZE**

**A. Description:**

The approval herein granted is limited to the processing of spent glycol base antifreeze ("antifreeze") in mobile processing units for the purpose of reconditioning spent antifreeze generated by coolant or heating systems. The approved processing is limited to precipitation, pH adjustment, solids removal (including filtration or reverse osmosis), and the addition of chemical additives.

Approval is limited to the processing of spent antifreeze to produce processed antifreeze which meets one of the American Society of Testing and Materials (ASTM) standards: D6471-99, "Standard Specification for Recycled Prediluted Aqueous Glycol Base Engine Coolant (50 Volume % Minimum) for Automobile and Light-Duty Service"; D4985-89, "Standard Specification for Low Silicate Ethylene Glycol Base Engine Coolant for Heavy Duty Engines Requiring an Initial Charge of Supplemental Coolant Additive (SCA)"; or their current revisions.

**B. Determination of Applicability Requirements.**

A person or municipality that proposes to operate under the terms and conditions of this general permit after the date of permit issuance must obtain a registration from the appropriate Department Regional Office (see attached list) prior to commencing authorized activities under this general permit. A completed (i) General Information Form (Authorization Application for a Residual or Municipal Waste General Permit Application), (ii) Form B (Professional Certification), (iii) Form 20 (Application For A Municipal or Residual Waste General Permit), (iv) Form 27R (Acceptance of General Permit Conditions), and (v) a registration application fee in the amount identified in Section A (General Information) of the Form 20 must be submitted to the appropriate Department Regional Office. A check shall be made payable to the "Commonwealth of Pennsylvania". No activities shall commence unless approved, in writing, by the Department.

**C. Operating Conditions:**

1. 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.
2. The pH and freeze point of each batch of processed antifreeze shall be determined. The pH of the processed antifreeze shall be between 7.5 and 11.0 and the freeze point shall be -34°F or lower. Should the pH not be between 7.5 and 11.0 or the freeze point is above -34°F, the antifreeze shall be processed again to the extent necessary to meet these requirements or be conveyed to a facility permitted to manage this waste.

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3. Prior to processing spent antifreeze, the permittee shall visually inspect each container of waste for unusual characteristics, including the number of liquid phases, and determine its pH. The spent antifreeze shall not be processed, and the permittee shall inform its customer that the waste has been rejected, if one of the following exists: 1) there is more than one liquid phase present, unless only two liquid phases are present and the upper layer is identified as used oil; 2) the permittee observes any unusual characteristics; or 3) the pH is  $\leq 2.0$  or  $\geq 12.5$ .
4. The spent antifreeze shall not be mixed with other types of solid wastes, including hazardous waste, municipal waste, or special handling waste.
5. 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.
6. The permittee shall comply with the fugitive emissions standards adopted pursuant to 25 Pa. Code Chapter 123 (Standards for Contaminants) and shall be required to comply with all the applicable sections of 25 Pa. Code, §§123.1 and 123.2 (relating to fugitive emissions).
7. 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 not 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. This permit shall not be construed to authorize any act otherwise forbidden by federal or state law or regulation, including, but not limited to, federal patent law (35 U.S.C.A. §§1 et seq.).
8. As a condition of this permit, if the permittee operates the mobile processing equipment at his own place of business, he shall obtain from all landowners of his place of business where processing activities will occur, on a form provided by the Department, the authority to conduct the activities authorized by this permit and consent 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 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. Sections 6018.608 and 6018.610(7).) This condition in no way limits any other

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powers granted to the Department under the Solid Waste Management Act. This authorization and consent shall be obtained prior to the occurrence of processing at this location and be submitted to the Department's Regional Office in the region where the permittee's place of business is located.

9. Failure of the 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.
10. 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.
11. The activities authorized by this 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 permit if it deems necessary to prevent harm or the threat of harm to the public health, or the environment.
12. Equipment used for the processing of spent antifreeze shall be maintained in good operating condition. Daily inspections of equipment during waste processing activities shall be conducted to ensure that equipment will operate properly and to examine for evidence of equipment failure.
13. The processing of spent antifreeze shall be in a manner that will not create a nuisance or be harmful to public health, safety, or the environment.
14. Storage of spent antifreeze by the permittee shall be in a manner that complies with 25 Pa. Code Chapter 299 (relating to the storage of residual waste). Residues from processing of spent antifreeze shall be stored and managed in a manner that complies with 25 Pa. Code Chapter 299 or 40 CFR 264 and 265 (relating to the storage of hazardous waste) as incorporated under 25 Pa. Code 264a.1 and 265a.1, whichever is applicable.
15. Upon cessation of operations at the facility, the permittee shall comply with any applicable closure requirements in 25 Pa. Code § 293.262.
16. 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

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conducting an activity that harms or presents a threat of harm to the health, safety, or welfare of the people or the environment.

17. Processed antifreeze meeting the requirements of Conditions 2 and 3 and destined for reuse cease to be waste as a substitute for a commercial virgin antifreeze product unless one of the following occurs: 1) the antifreeze is spilled, discharged, or otherwise disposed; or 2) the antifreeze is not used as a substitute for a commercial virgin antifreeze product.

**D. Record Keeping:**

1. Records of any analytical evaluations conducted on the spent and processed antifreeze pursuant to the residual waste regulations and this permit shall be kept by the permittee at the permittee's place of business and shall be available to the Department for inspection. At a minimum, these records shall include information on the dates of testing, each parameter tested, the results, the laboratory, sampling procedures, analytical methodologies and person collecting the sample. This waste analysis information shall be retained by the permittee at the permittee's place of business for a minimum of 5 years after the analyses were performed.
2. The permittee shall maintain records that contain: the name, address, and phone number of each of its customers, the dates and quantity of spent antifreeze processed at each location, and the results of the visual observations and the pH and freeze point determinations as required in Conditions 3 and 4 for each batch processed. The permittee shall also maintain records of all spills and releases that contain: location, date, time, identification and quantity of spilled or released material, and a description of how the material was cleaned up. These records shall be retained by the permittee at the permittee's place of business for a minimum of 5 years from the date the records were generated.

**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 responsible officials; and 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 by telephone at (717) 787-4343 and the appropriate Department regional office in the event of a discharge or spill of spent antifreeze or any residue from processing and shall take appropriate immediate action to protect the health and safety of the public and the environment. Spills of less than 10 gallons of spent antifreeze need not be immediately reported, but should be recorded as specified in Section E (Reporting Requirements). Spills

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containing any oil capable of reaching surface water must be immediately reported and should be recorded as specified in Section E (Reporting Requirements).

**F. Renewal:**

A person or municipality 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 application shall be made using the "Form 20 (Application For a Municipal or Residual Waste General Permit)". The renewal shall be sent to the attention of the Department's Bureau of Waste Management, Rachel Carson State Office Building, 400 Market Street, P.O. Box 69170, Harrisburg, PA 17106-9170.

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.