



Storm Water Permit Requirements for Solid Waste Transfer Stations

Water Protection Program technical bulletin

6/2006

Establishments identified as solid waste transfer stations or solid material recovery facilities (recyclers) may need to apply to the Missouri Department of Natural Resources for a Missouri State Operating Permit to discharge storm water. Missouri regulations (10 CSR-6.200) should be consulted for specific requirements.

The General Permit

A permit containing general provisions has been issued for this industry, but it is the responsibility of the individual owner or operator of a facility covered by this general permit to apply. The general permit that is available also permits the discharge from floor drains. A construction permit is required if a treatment system is planned. The permit does not authorize any other discharges to waters of the state such as vehicle washdown water.

The general permit cannot be used for storm water discharges within 1,000 feet of waters that have been identified as a losing stream or is listed in the Missouri Water Quality Standards (10 CSR 20-7.031) as an outstanding national or state resource water, or a lake or reservoir used for public drinking water supplies, or critical habitat for endangered species, or bio-criteria reference streams. Facilities with discharges located in these areas must apply for a site-specific permit.

Who Needs a Permit?

Storm water regulations use the Standard Industrial Classification (SIC) system to determine if an industry is regulated under the law. This classification code was devised by the U.S. Office of Management and Budget to cover all economic activities. The industries covered by the permit are listed in SIC major group codes 4953 and 5093 and are required to apply for a storm water discharge permit if any materials are stored outside.

However, industries engaged in motor vehicle salvage operations come under a different general permit, Motor Vehicle Salvage Yards and Recycling. Owners or operators of these types of facilities should apply for that permit.

Site Specific Permits

If requested by the owner or operator, a facility may be covered by a site-specific permit. A site-specific permit takes into account the individual characteristics of the site and the storm water runoff. In addition, the department can determine that the quality of waters of the state may be better protected by requiring the owner or operator of the site to apply for a site-specific permit. Since 1974, Missouri has been delegated by the U.S. Environmental Protection Agency (EPA) to issue NPDES permits. The permits issued by the department are state as well as federal operating permits.

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Background

Since the 1972 Clean Water Act, discharges of wastewater have been regulated through the National Pollutant discharge Elimination System (NPDES). A permit is required for any discharges of potential pollutants to waters of the state unless there is a specific exemption. Since 1974, Missouri has been delegated by the U.S. Environmental Protection Agency

Since October, 1992, Missouri has regulated storm water runoff by requiring a permit because of amendments to the federal Clean Water Act.

Additional Water Pollution Control Requirements

Additional permits from the department's Water Protection Program may be required (Missouri Clean Water Law, Section 644, RSMo.). Instead of applying for a separate permit, storm water discharges may be covered under these permits.

Exemptions

1. Facilities that discharge directly to a combined sewer system are exempt.
2. Any facility that has only dumpsters placed outside and that have the floor valves closed at all times is exempt.
3. Recycling collection centers that are under cover and do not have floor drains that discharge directly to the waters of the state are exempt.

General Permit Requirements

This general permit requires best management practices to control activities that would result in increased contamination of Missouri's rivers and streams from storm water runoff.

In addition, storm water runoff from permitted facilities cannot violate the general criteria of Missouri's Water Quality standards. Some of these criteria are, but are not limited to, dissolved oxygen levels, toxic substances, color, and odor.

The general permit contains sampling requirements and effluent limitations. For storm water runoff, limits are placed on oil and grease, settleable solids, chemical oxygen demand, pH, total dissolved solids, conductivity and flow.

Examples of Best Management Practices

1. Provide sediment and erosion control for the site.
2. All paint, solvents, petroleum products, and petroleum waste products (except fuels), and storage containers (such as drums, cans or cartons) should be stored so that these materials are not exposed to storm water.
3. Collection facilities should be provided on-site, and arrangement made for proper disposal of waste products.
4. Good housekeeping practices should be maintained on the site to keep solid waste from entry into waters of the state.
5. All fueling facilities present on site should adhere to applicable federal and state regulations.
6. Substances regulated by federal law under the Resource Conservation and recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair according to the provisions of RCRA and CERCLA.

Fees and Application Forms

To apply under a general permit, complete application Form E, submit a fee of \$150 and enclose a map. The general permit will expire on December 22, 1998, before which time application will need to be made to renew the facility permit.

To apply for a site-specific permit, complete application Forms A and 2F and enclose a map. The fee is \$1,500, payable upon application and then again each year at the anniversary date of the permit issuance.

Applications and fees for storm water permits only should be mailed to the Permits Unit Chief at the address below.

To include storm water discharges under a current NPDES permit, contact the appropriate regional office. A regional office map is available on the Web at <http://www.dnr.mo.gov/regions/regions.htm>

Termination of Permit

The permit may be terminated when activities covered by the permit have ceased and no significant materials are stored in such a way as to come into contact with storm water. It must be terminated if a transfer of ownership of the facility and its activities have been made. In this case, a new permit under the new ownership is required.

If such a termination of a general permit is sought, the permittee must submit Form H, Termination of a General Permit. If termination of a site-specific permit is sought, the permittee should request such by letter.

For more information call or write:

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