



Water Treatment Media Filter Attachment

NPDES/SDS Permit Program

Doc Type: Permit Application

The National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) Permit Program regulates wastewater discharges to land and surface waters. This attachment applies to municipal and industrial water treatment facilities that utilize media filtration (i.e., anthracite or any other filter which is backwashed, rinsed, or flushed).

Complete the attachment by typing or printing in black ink. Attach additional sheets as necessary. For more information, please contact the Minnesota Pollution Control Agency (MPCA) at: In Metro Area: 651-296-6300 or Outside Metro Area: 800-657-3864.

Facility Information

1. **Permittee name:** _____ **Permit number:** MN
2. Describe the media filters. Include number of filters, cells, media type (e.g., activated alumina, anthracite, zeolite, garnet, activated carbon, silica sand, greensand, multimedia), etc.

3. Has the media been replaced in the past? If so indicate the date and method of disposal.

4. What is the average production capacity of the treatment component in gallons per day?
(The treatment component means all filters combined.) _____ gallons/day
5. What is the maximum production capacity of the treatment component in gallons per day? _____ gallons/day

Backwash Wastewater

6. Backwash wastewater from the facility is discharged to (check all that apply):
 - ☐ Surface water – Name: _____
 - ☐ Municipal storm sewer (identify where this discharges): _____
 - ☐ Sanitary sewer (discharges to sanitary sewer do not require an NPDES/SDS Permit)
 - ☐ Seepage basin or rapid infiltration basin
7. Describe the backwash process. (Include seasonal variations):

Backwash frequency: _____
Backwash duration: _____
Backwash volume: _____
Rinsate volume: _____
8. Is treated/finished water from the final distribution system used to backwash the filters? ☐ Yes ☐ No
If no, describe the backwash source and indicate it on the water treatment process flow diagram or water balance diagram.

9. How is the backwash water treated to remove suspended solids and other related pollutants prior to discharge to the environment (ex. holding tank, holding pond, etc.)?

10. If there is backwash detention, what is the length of settling time? _____

Discharge Information

11. How often is there a discharge to the environment (either from holding tanks/ponds, or straight from the facility)?

12. What is the average daily design discharge rate for the treatment component in gallons per day? _____ gallons/day

13. What is the maximum daily design discharge rate for the treatment component in gallons per day? _____ gallons/day

Review the application to ensure all requested items are submitted with this attachment.

Please make a copy for your records

Refer to the Transmittal Form for mailing instructions.