



This document is for guidance. Applicants should consult the MSCWMO Watershed Management Plan for specific requirements. The submittals must accompany the review application and must show how the project conforms to the MSCWMO performance standards. MSCWMO may request other items during the review process in addition to those listed. Electronic submittals are strongly encouraged.

The following submittals and exhibits must be submitted for review for all projects:

- A completed project review application form.
- The required project review application fee paid to MSCWMO (public and government entities are exempt).
- Grading Plan/Mapping Exhibits:
 - Property lines and delineation of lands under ownership of the applicant.
 - Summary of all existing and proposed impervious surfaces. Proposed impervious surfaces shall include any impervious surfaces that are fully reconstructed.
 - Existing and proposed site contour elevations related to NAVD 1988 datum (preferred) or NGVD, 1929. Datum must be noted on exhibits.
 - Delineation of existing on-site wetlands, shoreland, bluffline and/or floodplain areas, including any buffers or setbacks with dimensions.
 - Ordinary High Water (OHW) elevations and datum, as determined by the MDNR if applicable.
 - Lowest floor elevation (including basement) of all existing and proposed structures and the regional flood elevation and datum of the 100-year recurrence interval (base flood elevation as determined in a flood insurance study) if applicable.
 - Existing and proposed normal water elevations and the high water level produced from the 100-year 24-hour storms of all stormwater facilities.
 - Drainage easements covering land adjacent to ponding areas, stormwater facilities and wetlands up to their 100-year flood levels and covering all ditches and storm sewers. Access easements to these drainage easements and to stormwater management facilities shall also be shown.
 - Delineation of the subwatersheds contributing runoff from off-site, proposed and existing on-site subwatersheds, and flow directions/patterns.
 - Location and detailed cross sections with elevations of proposed and existing stormwater facilities including outlet control structures and emergency overflows.

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- Erosion and Sediment Control Plan in compliance with the requirements of the Construction Stormwater General Permit administered by the MPCA, and Erosion and Sediment Control Performance Standards (Section 7.3) including the following:
 - A Stormwater Pollution Prevention Plan (SWPPP), prepared by a qualified individual as defined by the MPCA Construction Stormwater General Permit. (for projects disturbing more than one acre, or major or minor subdivisions that are part of a common plan of development to disturb more than one acre)
 - Perimeter controls (silt fence, sediment control logs filter berms, or other methods), construction accesses and notation on plans for installation to occur before land disturbing activity begins.
 - Temporary and permanent soil stabilization cover type (erosion control blanket/mulch, seed, sod, or other methods) and notation on plans for required stabilization timeframe.
 - Work exclusion areas for shoreland and buffer preservation, bluffline setbacks and stormwater volume control facilities.
 - Scour protection and energy dissipation in areas of concentrated flows.
 - Contact information including email and a phone number of the person responsible for inspection and compliance with erosion and sediment control.
 - Identification of all surface waters (lakes, streams, rivers, and wetlands) within one mile that receive drainage from the project site, and methods to protect surface waters.

- Permanent Stormwater Management System in compliance with the requirements of the MPCA Construction Stormwater General Permit and Stormwater Management Performance Standards (Section 7.2)
 - Narrative addressing incorporation of stormwater BMPs, including individual BMP storage volumes and pretreatment method(s) used.
 - A completed stormwater volume control checklist.
 - All hydrologic and hydraulic computations completed to design the proposed stormwater management facilities shall be submitted. Model summaries must be submitted. The summaries shall include a map that corresponds to the subwatershed areas in the model and all other information used to develop the model.
 - A table (or tables) must be submitted showing the following:
 - i. A listing of all points where runoff leaves the site and the existing and proposed peak runoff rates for the 2-, 10-, and 100-year 24-hour storms.
 - ii. A listing of the existing and proposed subwatershed hydrologic parameters including the impervious and pervious areas, runoff curve number of pervious areas, and time of concentration.
 - Construction plans for all proposed stormwater management facilities including grading contours, bottom area, top area, outlet elevation and proposed vegetation if applicable.
 - Construction notes for proposed volume control facilities to prevent soil compaction as described in Section 7.2.3.
 - Location(s) of past, current or future onsite well and septic systems if applicable.
 - Locations of existing and proposed downspouts and conveyances routing runoff to proposed stormwater management facilities.
 - For proposed infiltration facilities with drainage areas of more than 2 acres or 0.7 acres or more of impervious surfaces, a soil boring report for onsite soil borings within the

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footprint of the proposed stormwater BMPs. Borings should extend a minimum of 5 feet below the bottom of the proposed BMP and number of borings should be in accordance with the Minnesota Stormwater Manual. If fractured bedrock is suspected, the soil boring should go to a depth of at least ten feet below the proposed bottom of the volume control facility. The soils on the boring logs shall be classified using the Unified Soil Classification system.

- A proposed maintenance agreement, which may be in the format of Appendix Q, or other form approved by the MSCWMO.

- A plan for post-construction management of chloride use on the site that includes, at a minimum:
 - Designation of an individual authorized to implement the chloride-use plan; and
 - Designation of a Minnesota Pollution Control Agency Smart Salting-certified salt applicator engaged in the implementation of the chloride-use plan for the site.

- Other exhibits required to show conformance to the performance standards of the 2025-2035 MSCWMO Watershed Management Plan.

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