Required Submittals and Exhibits for Lower Rum River Watershed Management Organization Permit Applications

The LRRWMO requires submittals for all projects within the LRRWMO that require a LRRWMO permit. The submittals must accompany the permit application and must show how the project conforms to the requirements in the LRRWMO Watershed Management Plan.

The following submittals and exhibits must be submitted for all projects within the LRRWMO that require a LRRWMO permit:

1. A completed and signed permit application form.
2. The required permit application fee (see Permit Application).
3. Grading Plan/Mapping Exhibits:

   One 11-inch by 17-inch copy and two full-sized copies if larger than 11 inches by 17 inches of the plans shall be submitted. The plans shall be prepared by a registered professional engineer and shall include the following:

   A. Property lines and delineation of lands under ownership of the applicant.

   B. Delineation of the subwatersheds contributing runoff from off-site, proposed and existing on-site subwatersheds, and flow directions/patterns.

   C. Location, alignment and elevation of proposed and existing stormwater facilities.

   D. Delineation of existing on-site wetlands, shoreland and/or floodplain areas (including any buffers).

   E. Existing and proposed normal water elevations and the critical (the highest) water level produced from the 100-year 24-hour storms, the 100-year 10-day snowmelt event.

   F. Ordinary High Water (OHW) elevations and datum, as determined by the DNR (if applicable).

   G. Existing and proposed site contour elevations related to NAVD 1988 datum (preferred) or NGVD, 1929. Datum must be noted on exhibits.

   H. Drainage easements covering land adjacent to ponding areas, wetlands and waterways up to their 100-year flood levels and covering all ditches and storm sewers. Access easements to these drainage easements and to other stormwater management facilities shall also be shown.

   I. Minimum building elevation for each lot.

   J. Identification of downstream water body.

5. Hydrologic/Hydraulic Design Exhibits:

   One copy of the following shall be submitted. The calculations shall be prepared by a registered professional engineer.

   A. 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 drainage areas in the model and all other information used to develop the model.

   B. 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 stormwater runoff rates and volumes.

      ii. A listing of the normal water levels under existing and proposed conditions and the water levels produced from the storm and runoff events listed above for all on-site wetlands, ponds, depressions, lakes, streams, and creeks.

   C. A completed LRRWMO stormwater volume reduction checklist (attached).

6. Erosion Control and Sedimentation Prevention Exhibits:

   A. One 11-inch by 17-inch copy and two full-sized plans if larger than 11 inch by 17 inch, which show how waterborne sediment will be prevented from leaving the site during and after construction to prevent sedimentation of downstream water bodies. The plans shall include a construction sequencing schedule.

   B. A copy of the Stormwater Pollution Prevention Plan (SWPPP), prepared by a qualified individual, which conforms to the MPCA's NPDES Construction Stormwater Permit requirements. The NPDES permit requirements cover both temporary and permanent erosion prevention and sediment control measures, and apply to all construction projects that disturb one or more acres of land. The SWPPP must conform to the special requirements for "Special Waters" (the Rum River classified as a Wild and Scenic River), when applicable. The SWPPP shall also show how erosion will be prevented during construction on individual building sites. Any applicable local standards shall be incorporated into the plan.

7. Construction plans for all proposed stormwater management facilities. Construction specifications must be provided upon request.

8. A maintenance agreement, as described in the LRRWMO policies.

9. Four copies of the Wetland Delineation Report, which also must include a summary of the MnRAM evaluation (*Minnesota Routine Assessment Method for Evaluating Wetland Functions, Version 3.0* or updated versions).

10. Five copies of Part 1 of the Combined Wetland Permit Application (CWPA) for all projects proposing to alter wetlands, which may not require wetland replacement (see Rule 4).

11. Five copies of the Wetland Replacement Plan, including Parts 1 and 2 of the CWPA, for all projects requiring wetland replacement.

12. Draft Declaration of Covenants that lists the LRRWMO-required minimum floor elevations.

13. Other exhibits required by or to show conformance to these Rules and Regulations.

Infiltration Basins

Infiltration Basins	Yes	No	If No, Why Not?
Are Infiltration Basins proposed for project?			
Was the infiltration rate of the soils at the proposed infiltration basin measured/tested?			
Was a soil boring conducted at all proposed infiltration basin?			
Using the Unified Soil Classification System, what is the classification of the least permeable soil layer at the proposed infiltration basin? *(please fill in)*			
What is the hydrologic group classification of the soil at the proposed infiltration basin? *(please fill in)*			
Is the base of the infiltration basin at least at 3 feet above bedrock and the water table, or an impermeable layer?			
What is the depth to bedrock from the bottom of the proposed infiltration basin? *(please fill in)*			
Is the basin proposed to be planted with deep-rooted vegetation?			
Is the basin designed to treat the LRRWMO-required runoff volume and to infiltrate the stormwater within 48 hours?			
Is the basin set back at least 10 feet from all property lines?			
Is the basin set back at least 10 feet from building foundations?			
Is the basin set back at least 50 feet from private wells/public water wells?			
Is the basin set back at least 35 feet from septic systems?			
What is the drainage area to the infiltration basin? *(please fill in)*			
For infiltration basins with drainage areas less than 2 acres, will at least 50% of the inflow volume to the infiltration basin be pre-treated?			
For infiltration basins with drainage areas greater than 2 acres, will all of the inflow volume to the infiltration basin be pre-treated?			
Will the proposed infiltration basin be staked off and marked during construction to prevent compaction?			
Who will maintain the infiltration basin? *(please write the name and attach contact)*			

SURETY RATES FOR ACTIVITIES ASSOCIATED WITH LWWMO PERMITS

Performance Surety

The surety required by the LRRWMO will be used to ensure the performance and completion of work in accordance with a permit.

Permit Activity	Performance Surety Amount
Wetlands Management	See Attachment C of Appendix B of the *LRRWMO Watershed Management Plan*
Stormwater Management Facilities	• Infiltration basins: $6/sq ft. • Rain gardens: $6/sq ft. • All other facilities: 125% of construction and maintenance costs
Erosion and Sediment Control	$2,500/acre disturbed Plus $2.50/linear foot of erosion control required
Shoreline or Streambank Improvements	$5,000 or the total number of feet of shoreline of streambank affected times $100

SURETY MUST INCLUDE 10 PERCENT CONTINGENCY AND 30 PERCENT ADMINISTRATIVE COSTS IN ADDITION TO AMOUNTS CALCULATED ACCORDING TO SCHEDULE ABOVE

MINIMUM SURETY AMOUNT (WHEN REQUIRED): $5,000