

VILLAGE OF ALLOUEZ

Allouez Village Hall • 1900 Libal Street • Green Bay, Wisconsin 54301-2453
Phone No.: (920) 448-2800 • Fax No.: (920) 448-2850

Department of Public Works

UPDATE TO STORMWATER ORDINANCES 52 AND 53

The original Ordinance 52-Construction Site Erosion Control and Ordinance 53-Post-Construction Stormwater Management were approved in 2008. These ordinances were required as part of the WPDES permit issued to the Village of Allouez Municipal Separate Stormwater System (MS4).

In the past two years WDNR NR 151 administrative code was updated to include additional requirements such as the treatment requirements being implemented as part of the total mass daily load (TMDL) allocations on the Fox River, to include some additional types of projects such as parking lots, and other items. As part of the Allouez MS4 WPDES permit, it is required that Allouez update ordinances 52 and 53 to comply with NR 151. These updated ordinances are now recommended for approval by the Village Board.

There are numerous small changes shown in blue type in both ordinances. Most changes are minor. There are a few changes that are more significant. These changes include:

1. Ordinance 52 establishes that an erosion control permit is required for all construction projects, including single and 2-family homes. Our building inspector already requires an erosion control permit (\$50) but this ordinance revision confirms this requirement and provides the site controls information. This change ensures that we have an erosion control permit for all construction projects which is important.
2. The post-construction stormwater treatment requirements for the Fox River and East River TMDL are added to Ordinance 53 replacing the state-wide requirements. Until now it has been a bit unclear the exact stormwater treatment requirements for projects. This clarifies the requirements and will make it easier for designing BMP's for projects. The TMDL is both an EPA and WDNR requirement.
3. All parking lot projects will need to obtain a construction site erosion control permit, which will benefit the Village is better designed parking lots and control of construction site runoff. Some past parking lot projects have been a problem because stormwater problems existed and were not corrected during the project.
4. The updated Ordinance 52 is based on treatment to limit soil loss to 5 tons/acre/year. This is a more effective measure of losses and should reduce soil erosion.
5. One benefit to future projects is eliminating numerical limits on smaller projects, but still requiring the same BMP's as large projects. This should make compliance easier and maybe less costly.

These are the key updates to these two ordinances.

It is recommended that these ordinances be approved for implementation.

C. Berndt, DPW
August 10, 2016

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Stormwater Utility

STORMWATER PERMITTING REQUIREMENTS

Chapter 52 Construction Site Erosion Control Permits

An erosion control permit is required for all projects.

1. Major permit for 4,000 sq ft land disturbing activity, 100 cy excavation, or 100 LF of land disturbing activity. Numerical limits apply and permit issued by Public Works department.
2. Major permit required for less than 4,000 sq ft disturbing activity but no numerical limit applies. Issued by Public Works.
3. Minor permit for 1- and 2-family dwellings. Comply with requirements but a numerical limit is not applied. The permit is issued by building inspector.
4. An Erosion Control Permit may be required for special situations (52.05 A(3)).
5. BMP's must limit sediment to less than 5 tons/acre/year losses for sites greater than 1-acre land disturbing construction activity. If less than 1-acre use the same BMP's but no numerical limit.
6. A maximum extent practicable (MEP) condition is available for site-specific situations.
7. The Erosion Control Plan requirements are defined in 52.07 C.

Chapter 53 Post-Construction Stormwater Management Permits

A Post-Construction Stormwater Management Permit is required for projects.

1. This permit is required for all projects except 1- and 2-family residences.
2. The Table 1 TMDL numerical treatment limits must be met for all projects with 1-acre or more of land disturbance or 20,000 sq ft or more of impervious surface disturbance.
3. For sites with less than 20,000 sq ft impervious surface disturbance use the same BMPs' but numerical limits are not applied.
4. For sites with more than 20,000 sq ft impervious surface or more than 1-acre land disturbance the peak 1-, 2-, 10-, and 100-year, 24-hour design storms must be controlled to the pre-development discharge rates for new development and redevelopment areas.
5. For less than 20,000 sq ft impervious surface or 1-acre land disturbance must be designed to the same criteria to the maximum extent possible.
6. Peak runoff flow reduction is required for most projects. See 53.06 D(2).
7. BMP's must be designed to infiltrate runoff to the maximum extent possible 53.06 D(3). Sites greater than 20,000 sq ft or 1-acre are required to infiltrate a percentage of the runoff dependent on the amount of imperviousness.
8. Regional treatment options are described in 53.06 E(2). for credit for treatment capacity purchased from the village.
9. The Stormwater Management Plan requirements are in 53.09, 53.10 and 53.11.