

# Village of Menomonee Falls

## PPIIR Program Policy

### Section 1: Purpose

The following policy addresses the reduction of excessive clear water (inflow and infiltration) entering the sanitary sewer system from private property in the Village of Menomonee Falls. This policy is in addition to the provisions of and prohibitions against clear water entering the sanitary sewer as codified in the Village's Plumbing Code -Sewer Use Ordinance, section 18-329.

### Section 2: Background

Since 1999, in response to two extreme rain events causing widespread flooding and basement backups, the Village has made major upgrades to its publicly owned sanitary sewer system. It has also made substantial and comprehensive repairs and rehabilitation of publicly owned sewers and manholes, and enforced ordinance provisions for maintenance of privately owned sanitary sewer systems for clear water reduction. Even so, during major rain events, Village sewers have experienced high flows which are believed to be a result of Infiltration and Inflow (I/I) into the sanitary sewer; albeit, the severity and frequency of the high flows has been reduced because of the Village's efforts on the public side of the system.

The Village would like to further reduce the frequency and severity of these high flows and their impacts during heavy rain events. It is believed that there are substantial sources of excessive I/I that can be found and removed from private sector sources.

### Section 3: Establishment of a Private Property Inflow/Infiltration Reduction (PPIIR) Program

To aid in finding and removing sources of excessive I/I, the Village hereby establishes a Private Property Inflow/Infiltration Reduction (PPIIR) Program in areas of the Village that are served by the Milwaukee Metropolitan Sewerage District (MMSD). This shall serve as a pilot program, using only funds from the MMSD PPIIR program.

The program will consist of inspections of residential properties and private sewer laterals on a voluntary basis. Inspections shall be conducted by Village staff or its consultants/contractors in areas that are deemed to be most advantageous to the Village.

Once sources of Private Property I/I are determined, the Village shall work with private property owners to make repairs to reduce I/I. Repairs may include rehabilitating sanitary sewer laterals; disconnecting footings, foundation drains and combination sumps and installing sump pumps to divert water from those sources to surface water drainage systems; complying with existing Village codes concerning clear water sources; and addressing private drainage issues that may introduce Private Property I/I to the Village sewer system under large storm conditions. This program will remain in effect for as long as the Village's allocation of the MMSD PPIIR program remains funded. There is no guarantee that this program will remain in effect indefinitely as budget conditions change.

### Section 4: Implementation of the PPIIR Program

Staff shall develop a set of Guidelines for implementation of this policy. These Guidelines shall be initially reviewed by the Utilities and Public Works Committee in conjunction with this policy and shall be updated periodically as the program evolves and changes based on effectiveness and budget parameters.

This policy shall be reviewed every three years beginning in June, 2017.

Drafted: June 26, 2014

Adopted:

Revised:

Reconfirmed: