



*Project Profile...*



**General Filter, Ames IA**

Village of Honeoye Falls, NY  
Wastewater Treatment Plant  
Trickling Filter Improvements

**Project Overview:**

The existing trickling filter rotary distributor was at the end of its useful life. LaBella Associates evaluated alternatives that would provide the best long-term solution for the Village. Important design factors included even flow distribution, low maintenance, and freeze protection. The General Filter *Gravity Actuated Rotary Distributor* (GARD) met all of these design criteria and was selected for this project. This installation has been trouble-free for the Village and has substantially improved flow distribution onto the trickling filter.

**Basis of Design Data**

Peak Design Flow	1,400 gpm
Trickling Filter Basin Diameter	75 feet

**GARD Rotary Distributor: General Filter**

Arm Actuation	Gravity Reaction, 2-arm design
Materials of Construction	Aluminum
Bearings	Spherical Roller Thrust Bearings

**Facility Contacts**

Operations Staff:	Greg Emerson and Brian Anderson
Engineer:	Jim McIntosh, P.E. (716) 454-6110 LaBella Associates, P.C.
For More Information	Mark Koester (315) 697-3800

*Our special thanks to Ben Rowlinson, retired Chief Operator.  
Ben's dedication to his work and the Village is inspiring.*