

# Ryan Hennessy

## **Work Address:**

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## **Residence Address:**

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## **EDUCATION**

Waukesha County Technical College

Associate Degree, Management  
2003

Milwaukee Area Technical College

Environmental Courses  
2005-2006

Moraine Park Technical College

Water and Wastewater Courses  
2008-2011

Marshall Environmental Training

Advanced Wastewater  
Microscopy, Filament ID  
and troubleshooting  
2011, 2014

## **EMPLOYMENT**

**2014-Present      Microbial Discover Group (MDG)**

**Wastewater Technical Support Specialist**, Involved in wastewater microscopic analysis, ATP analysis, bio screening, and other laboratory analysis in addition to training, research, and presentations for clients and wastewater associations within the US and internationally.

**2007-2014      Pro-Ops, American Water, Woodard and Curran**

**Operator, Lead Operator and In-house Microscopy**, From 2007-2014 employed through various contract wastewater organizations to manage a plant at Milk Specialties Global, located in Adell, WI. Started as operator, advanced to lead operator, and provided support for microscopy and consulting at various treatment plants for American Water and Woodard and Curran. Consulting work and troubleshooting included industrial and municipal wastewater facilities. Additional microscopy work provided for various clients within the US and Canada. Training provided for CEU credits through various regulatory agencies.

## **Certifications**

Grade 4 Certified Wastewater Operator, Wisconsin

Subclasses with certification include, preliminary and primary treatment, activated sludge, laboratory, mechanical sludge handling, anaerobic digestions, lagoons, trickling filters and RBCs, disinfection, and tertiary treatment.

Surface Water (drinking water), Wisconsin  
Grade T license

### **Projects of Note**

3 day Filamentous Bacteria Training Course  
Winnipeg Canada, MWWA, 2013

Filamentous Bacteria Training Courses and Webinars  
Various Locations for Continuing Education credits

### **Presentations**

Wisconsin Wastewater Operators Association  
May 2013  
“Microscopy for Activated Sludge Process control”

Wisconsin Wastewater Operators Association  
Fall 2013  
“ Biological Phosphorus Removal”  
“Common Wastewater Microbiology Problems and Solutions”

Illinois Rural Water Association  
Annual Conference, 2014  
“Introduction to Wastewater Microbiology”

Wisconsin Wastewater Operators Association  
Annual Conference, October 2014  
“Filamentous Bacteria Identification and Wastewater Troubleshooting”

### **HONORARY AND PROFESSIONAL ASSOCIATIONS**

Wisconsin Wastewater Operators Association  
Central States Water Environmental Association  
Various Linked In Wastewater Groups

### **Publications**

Presenting White Paper entitled “ Wastewater Microbiology Problems and Associations”  
at Wisconsin Wastewater Operators Association Annual Conference, 2014