

# Dewatering



Michels dewatering operation offers solutions to challenging groundwater conditions on construction sites of all sizes. Our reputation for quality and efficiency is earned by our organized jobsites, our small footprints and our large fleet of meticulously maintained equipment.

Our team utilizes our extensive experience and expertise to provide tailored solutions for site specific requirements. Our services span across many markets, including pipelines, water, wastewater, industrial, commercial and mining.

Michels offers the following groundwater control and soil stability solutions:

**Wellpoints:** A wellpoint system is an effective way to lower groundwater levels, particularly when drawdown levels are less than 15 feet in depth. Michels has specific methods for the quick installation and reliable operation of wellpoint systems in appropriate soil conditions. A series of wellpoints and related pumps can be a cost-effective solution for large and small projects.

**Deep wells:** Michels utilizes drilling equipment and submersible pumps to install, operate and monitor deep well systems capable of moving large volumes of groundwater. Deep wells are ideal when the soil is highly permeable or when deep excavations are required. Deep wells can be installed to depths of approximately 100 feet.

## Conotton Creek

*Mineral City, OH 2017*

- 9 600-foot 24-inch HDPE pipes
- 168,000 gallons/minute (peak)
- 9 electric, variable frequency drive, submersible pumps
- 42 deep wells
- 6,000 lineal foot wellpoint system
- Assembled/operational in 7 days



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**Bypass pumping:** Michels designs and installs pumping systems for sanitary lines, water lines, rivers, streams and several other pumping applications. Our skilled operators understand the critical importance of uninterrupted service and are experienced in onsite maintenance and achieving optimal performance from a pumping system. We include portable dam solutions when applicable.

**Trenching/Sock Tile:** A sock tile dewatering system handles groundwater challenges by opening a trench, installing sock pipe and backfilling the trench in a single pass. Sock tile dewatering can be cost effective in suitable sandy soil typically 1,000 lineal feet or longer. Michels installs sock tile to a maximum depth of 20 feet.

**Groundwater Remediation:** Michels has the skills and equipment necessary to remove or treat contaminants from groundwater. Each project is unique, but our goal of delivering safe, high-quality solutions is constant.

**Emergency services:** Even in the best conditions, unpredictable water can wreak havoc on a tight construction schedule. Michels offers an around-the-clock emergency response and OSHA-certified personnel prepared to deal with unexpected water situations; dewatering/stream diversion/flooding throughout North America. Our strategically located regional facilities allow our teams to mobilize quickly.

**Rental supervisor:** Michels can provide an experienced, well-trained supervisor to lead a crew for any of the above services. Our supervisors can assist in the installation, removal and operation as needed.