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SUEZ MARKS FIRST COMMERCIAL INSTALLATION OF NEW MGF SYSTEM

A planned filter rehabilitation of the water treatment plant at the Glacier Club in Durango, Colorado was likely to trigger a requirement to add a 0.5 log giardia removal requirement. A novel use of SUEZ's membrane gravity filter (MGF) system, part of the ZeeWeed* 1000 product line, allowed the community to meet regulatory requirements while saving money, nearly doubling the plant's capacity, and avoiding a clearwell expansion.

“The new MGF system provides a cost-effective alternative for drinking water treatment plants that want to get more out of their existing facilities without an expensive media plant expansion,” said Kevin Cassidy, executive vice president for SUEZ Water Technologies & Solutions. “This approach highlights the significant opportunity membranes provide to upgrade conventional systems for increased capacity in the same footprint.”

The project was part of a plan to rehabilitate Glacier Club's drinking water treatment plant. During planning, the engineer realized that they needed to improve the plant's ability to treat drinking water for certain pathogens. To avoid increased chlorine contact time in the plant's clearwell, the community opted for SUEZ's MGF system.

Working with the builder, IWS, and the engineer, Alan Plummer Associates, Inc., a MGF system using SUEZ ZeeWeed* 1000 hollow-fiber membranes was installed into a retrofitted sand filter to create higher quality drinking water. In addition to providing the new MGF system, SUEZ also deployed one of its mobile treatment units to serve the community during the retrofit of the media filters.

“SUEZ was able to keep our plant up and running from the beginning to the end of this project” said Bill Greco, General Manager for Glacier Club. “Their solution was cost effective on an operational and capital basis.”

SUEZ's new MGF system was previously deployed in a successful pilot project in the Region of Peel, in Canada.

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About SUEZ

With 90,000 people on the five continents, SUEZ is a world leader in smart and sustainable resource management. We provide water and waste management solutions that enable cities and industries to optimize their resource management and strengthen their environmental and economic performances, in line with regulatory standards. To meet increasing demands to overcome resource quality and scarcity challenges, SUEZ is fully engaged in the resource revolution. With the full potential of digital technologies and innovative solutions, the Group recovers 17 million tons of waste a year, produces 3.9 million tons of secondary raw materials and 7 TWh of local renewable energy. It also secures water resources, delivering wastewater treatment services to 58 million people and reusing 882 million m³ of wastewater. SUEZ generated total revenues of 17.3 billion euros in 2018.

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