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Bashneft and SUEZ Put into Operation a Complex of Biological Treatment Facilities with the World's Largest Industrial Membrane Bioreactor and Electrodialysis Reversal Units

- ***Bashneft-Ufaneftekhim Biological Treatment Plant Will Treat up to 84 Million Liters of Wastewater per Day Using SUEZ Industrial Wastewater Treatment Technology***
- ***Equipment Being Serviced and Maintained by SUEZ as Part of a 15-Year Agreement***
- ***SUEZ Remote Monitoring and Diagnostic Solutions Will Help Maximize Performance and Lower Operating Costs***

Today, Bashneft-Ufaneftekhim refinery, a Rosneft-affiliated company, inaugurated its biological treatment plant, Bashneft key nature protection facility, which secured its spot as the world's largest industrial facility using membrane bioreactor (MBR) and electrodialysis reversal (EDR) technologies. The facilities, located in the Russian city of Ufa, will treat up to 84 million liters of wastewater per day, which makes them unprecedented for industrial wastewater treatment, employing the most advanced technologies and enabling water reuse.

SUEZ supplied its ZeeWeed* MBR membranes, EDR and reverse osmosis (RO) equipment to the Bashneft-Ufaneftekhim biological treatment plant and will provide services as part of a 15-year long-term service contract to ensure reliable operation of equipment and an uninterrupted guaranteed replacement of membranes.

The SUEZ MBR technology significantly improves treatment efficiency by passing water through microscopic pores of membranes, removing impurities and microorganisms. Further treatment is performed with SUEZ EDR, RO and ion exchange technologies to ensure treated wastewater compliance with the toughest discharge and reuse regulations and to minimize the waste streams disposal.

“Environmental care is an absolute priority for the company,” said Igor Sechin, chief executive officer of PJSC Rosneft. “We solve this problem at all stages of the production chain: from geological prospecting to processing and distribution. I believe that commissioning of a modern biological treatment plant —a large-scale environmental protection facility using the world best technologies for water treatment —will be a significant event not only for the company and the Republic of Bashkortostan, but for the whole country.”

As part of the long-term service contract for the wastewater treatment plant, SUEZ is providing advanced asset performance management with its InSight* platform. InSight combines data and analytics to maximize performance, minimize unplanned downtime, lower operating costs and deliver better business outcomes.

“This plant is a shining example of how advanced water treatment technologies, combined with superior service and system performance, serve the interests of society, the environment and business,” said Heiner Markhoff, chief executive officer for SUEZ Water Technologies & Solutions. “This is a significant project for the country, the region and the water industry, and we look forward to working for the next 15 years to help to optimize processes and meet water sustainability goals.”

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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 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 15.3 billion euros in 2016.

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