

Press release

Rossdorf, 21/06/2017

EnviroChemie is replacing the wastewater treatment system for a sauce and ketchup manufacturer in Russia

EnviroChemie has won the contract to plan and construct a new wastewater treatment system for a Russian food-processing facility.

Situated 40 km away from St Petersburg in Otradnoye, the facility was in urgent need of an upgrade due to the expanding production of sauces and ketchups requiring an appropriate level of cleaning performance. As part of this project, the strict Russian limits on direct dischargers also have to be observed to the letter, which in this case relate particularly to grease, COD (chemical oxygen demand) and phosphorus.

The new wastewater treatment plant will process 1200 cubic metres of wastewater on average every day. What's more, engineers are also designing a number of components that will be suitable for a planned expansion of up to 1500 cubic metres of wastewater per day, as production at the plant is set to expand further still.

The commissioned plant solution comprises a multi-stage treatment programme, including a grease separator, Flomar flotation unit, and Biomar aerobic treatment complete with denitrification and nitrification. What's more, the specially developed after-treatment stage even incorporates includes chemical conditioning, filtration, activated carbon adsorption, and oxidation. In addition to the planning and construction itself, the scope of the work also includes delivering the system to the customers in Russia, overseeing the installation, putting the equipment into operation, and training staff on how to use it. In the event of any questions or issues, the team at the EnviroChemie subsidiary in Ekaterinburg will be only too happy to help as the customer's local point of contact.

EnviroChemie has come up with a future-proof concept for the customer, which is sure to adhere to the limits for direct discharging. Not only that, but the system is even designed in such a way that it can also handle the wastewater that will invariably come with a scheduled expansion of production.

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