

Warsaw, WWTP Czajka

Poland



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On 30 January 2008 the contract was signed for the expansion of the „Czajka” Sewage Plant - sewage section and the preparation of sludge for disposal.

Technical details

WTE was responsible for the design and mechanical equipment of the preliminary and primary treatment of waste water treatment plant with a maximum capacity of 510,000 m³/d (2,1 million PE) as well as sludge treatment.

Project key figures

Start of operation December 2010

Contract duration 3 years

WWTP key figures

PE 2,100,000

Max. m³/h 510,000

Average m³/d 435,000

Chemical and biological parameters

	Influent	Effluent
BOD5	282 mg/l	15 mg/l
COD	563 mg/l	125mg/l
TSS	276 mg/l	35 mg/l
TN	47 mg/l	< 10 mg/l
P	9 mg/l	< 1 mg/l

The main driver on the extensive modernization project was the need to meet EU wastewater standards – including limits on nitrogen of 10 mg/l and 1 mg/l for phosphorus, effective from January 2007 – and to provide adequate treatment for all urban effluent flows.



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