

MINIMAL TECHNICAL CONDITIONS

Pursuant to the provisions of Section 61 (4) of the ZZVZ, the Employer hereby defines the minimum technical conditions for the subject of the public contract as follows:

a) Input and output values

Maximum primary thickened sludge output	30,000	kg dry solids/d
Maximum dewatered sludge output from the THP	30,000	kg dry solids/d
Average mixed sludge weight fed to digesters	50,625	kg dry solids/d
Minimum dry solids content in dried sludge	90	%
Minimal production of biogas	500	litres/ kg MLVSS

- b) Permissible WWTP biological line load by total return liquors, max. of 1,114 kg N_t/d;
- c) The permissible WWTP biological line load by supernatant will be a maximum 100 l/s;
- d) The minimum total biogas volume with one digester off line will be 5,000m³;
- e) The operation and function of existing cogeneration units shall not be affected by the Contractor's design;
- f) The Works will be carried out exclusively on land lots specified in the relevant land-use permit no. 35/2018, čj. OV-ČJ/181564-17/RSG of April 20, 2018;
- g) The Contractor's designed Works will not result in a change of the capacity, range, technology, operation management, change of use or any other change, which would result in the need for the environmental impact assessment proceedings conducted under Act No. 100/2001 Sb., on Environmental Impact Assessment and on the amendment of some related acts, as amended;
- h) The completed Work will not be classified in the emergency group A (or B) in accordance with Act No. 224/2015 Sb., on prevention of major accidents caused by selected hazardous chemical substances or chemical mixtures, as amended;
- i) Noise emissions after the implementation of the Works will not exceed the limit binding for the entire Modřice WWTP including new technologies according to the valid regulations, in particular Government Regulation No. 272/2011 Sb., on the Protection of Health from the Adverse Effects of Noise and Vibration, as amended.
- j) New stationary sources as per the Air Protection Act put into operation from 20th December 2018 will meet stricter specific emission limits as follows:

Type of source	SO ₂ mg/m ³	CO mg/m ³	NO _x mg/m ³
Combustion stationary source with power over 1MW (natural gas)		45	90
Combustion stationary source with power over 1MW (biogas)	100	45	90
Piston combustion engines over 1 MW (gas fuel)	107	600	450

The specific emission limits are converted to dry gas under normal conditions at a reference oxygen content of 3% for boilers and 5% for combustion engines in the carrying gas.