

Short introduction of the Dunaújváros Wastewater Treatment Service Ltd.'s (shortened for DSS Ltd.) scope of activity and applied treatment technology

* The Dunaújváros Wastewater Treatment Service Ltd. has been established in the august of 2002 with the purpose to maintain and operate the Dunaújváros municipal wastewater treatment plant located on the Siklói street. The establishment receives the sewage through the water works on the St. István street and the combining water works on the Danube part street. These transfer points are the firm's operational boundaries as well.

* The arriving communal wastewater is managed by the plant, then in accordance with the water quality legislations in force it gets discharged into the Danube River as the recipient from about 30 metres away. The treatment takes place in several steps. First, in the distributing unit the collected liquid gets separated from the solid contaminations (*sand, organic compounds, garbage, etc.*). These materials will be separated into a container. After this the wastewater is guided into aeration tanks where the biological treatment happens. With injection of atmospheric oxygen into the body of water we help the coagulation of the particles in the streaming liquid. With additional chemicals (*polymers*) added this process's efficiency can be improved. And, to decrease the phosphorus content to 2 mg/liter or under we add clarifier into the treatment process (*iron(III)-sulfate, ferric chlorid, etc.*). The now biologically active liquid from the aeration tanks will be discharged into a Dorr-type pool where the mud particles will be left alone to sink down to the bottom of the pool or float on the surface of water and will get collected by the dredger bridge. Some of the amount of the collected mud will get recirculated into the aeration tanks, the other half will be dehydrated by a centrifuge and put into containers to get transported for composting.

* The daily capacity of the wastewater plant in Dunaújváros is currently 15 000 cubic metre with three treatment lines, but the fourth line's place is already available. However, it is not necessary for the operation to use all three treatment lines, so currently only the first and second ones are working. With two lines the daily capacity is only 10 000 m³, and the volume of the incoming wastewater is 8-9 thousand m³. The efficiency of the technology is great. More than 90% of the contmination is removed from the incoming sewage.

* The plant has an antiseptic pool available, but the authorities did not find its use nessecery to this day. Because of that, the firm doesn't need to store chlorine for disinfection daily as well.

* Besides the sewage from the dunaújváros sewer system, we also treat wastewater shipped by trucks from Rácalmás, Kulcs and areas of Dunaújváros where the drainage has not yet been developed.

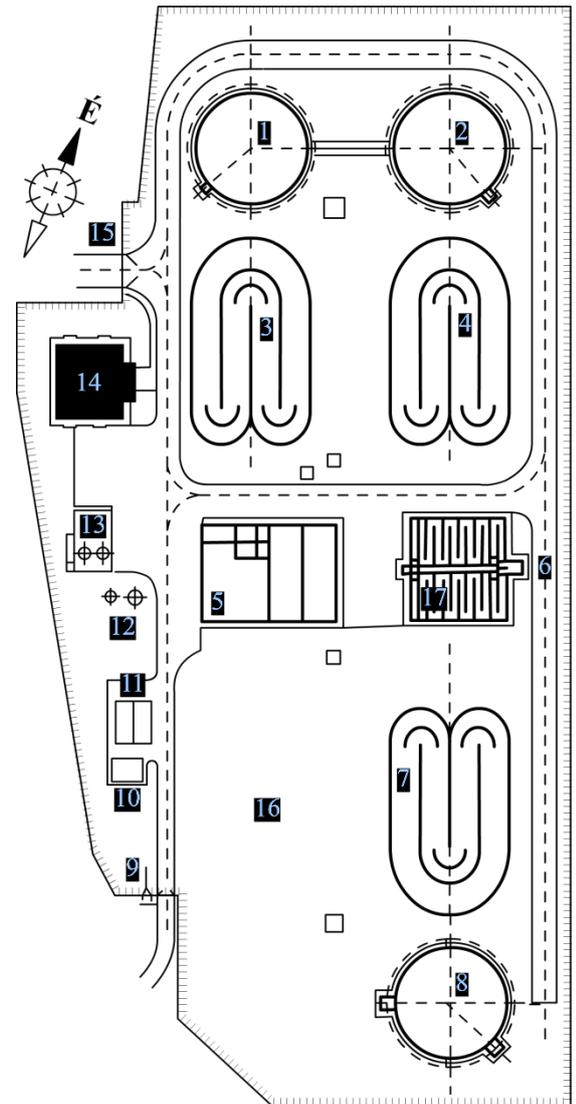
Thank you for honouring us with your attention!

Best Regards,



Gábor Lángi
 Managing Director

DUNAÚJVÁROSI SZENNYVÍZTISZÍTÓ
 Szolgáltató Korlátolt Felelősségű Társaság
 2400 Dunaújváros, Siklói u. 372/17.
 Adószám: 12888766-2-07



1	I. Settling Pool
2	II. Settling Pool
3	I. Aeration Tank
4	II. Aeration Tank
5	Powerhouse (<i>mud engineering, chlorine storage, blower house, storeroom</i>)
6	Treated Water Source
7	III. Aeration Tank
8	III. Settling Pool
9	Liquid Waste Recieving Point
10	Depository
11	Transformer House
12	Leachate Sump
13	Distributor
14	Office Building
15	Entrance
16	Space for the fourth treatment line.
17	Antiseptic Pool

