



Abwasserverband Aarau und Umgebung (AVAU) Future of wastewater treatment – ARA 2040



INFORMATION ABOUT THE OBJECT:

The wastewater treatment plant of Aarau, designed for a population equivalent of 125'000, needs to be renewed in the near future. On one hand an additional stage for the elimination of micropollutants will be demanded, on the other hand the secondary (biological) treatment already reaches its limits today. Furthermore, it is expected that the load will increase considerably due to the population growth and further centralisation of wastewater treatment in the canton of Aargau. Today's plant-lot has almost no unused area.

However, there are two undeveloped, adjacent parcels owned by the city of Aarau. This study, ARA 2040, is the basis for the expansion of the wastewater treatment plant in the next decades. It especially discusses how to ensure the area required by the wastewater treatment plant in the coming decades.

CLIENT:

Abwasserverband Aarau und Umgebung (AVAU), sewage board of the region Aarau, Switzerland

OBJECT:

Wastewater treatment plant Aarau

REALISATION:

Planning; 2013

COST:

Planning: 37'000.–

OUR PROJECT TASKS:

- Creation of scenarios about the load changes in the next 30 years
- Determination of the area required by the process stages in the future as function of the load scenarios
- Illustration of possible arrangement and construction stages as function of the various scenarios
- Estimate of costs
- Recommendation to ensure the necessary reserve space

Hunziker Betatech AG

Pflanzschulstrasse 17
Postfach 83
8411 Winterthur
Phone +41 52 234 50 50

Local offices

Zürich, Bern, Lausanne, Bülach, Aadorf
Olten, St.Blasien (D)

www.hunziker-betatech.ch

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