

Questionnaire

All provided information is for internal use only. For a successful assessment, please fill the form as accurately as possible. We will contact you with further information pending positive assessment.

Fields marked with * are mandatory

General Information

Please state the name of your WWTP *

Capacity of the Wastewater Treatment Plant (WWTP)

What is the design capacity of the WWTP (MLD)? *

What is the current operational capacity of the WWTP (MLD)? *

Wastewater Collection

Is there a separate and/or combined underground sewer system? *

Questionnaire

What is the coverage / connection rate of the underground sewer system (%)? *

Does the WWTP receive faecal sludge (e.g. from septic tanks)? *

Yes No I don't know

Type and Composition of Wastewater

What is the proportion of Municipal and Industrial Wastewater in the inflow (%)?

Municipal (%)

Industrial (%)

Please name the main sources of industrial discharges. *

Is treated wastewater reused in your area? *

Yes No I don't know

Questionnaire

Basic Data of the WWTP

Please name the current operator of the WWTP. *

Is the operator a public or a private institution? *

Public

Private

PPP

I don't know

Are you (as a private institution) in contact with a municipal stakeholder? *

Yes

No

I don't know

Where is the WWTP located? Please state the address. *

In which year did the WWTP come into operation? *

Questionnaire

Please enter the contact details of the responsible person for future communication. *

Name, Phone, Email

What is the current staff infrastructure? *

Technicians (number)

Engineers (number)

Existing Infrastructure

General Infrastructure

Is electricity available at all times? *

Yes

No

I don't know

What is the average number of (electric) blackouts per month? *

Is internet connection easily accessible? *

Yes

No

I don't know

Is there a laboratory on site for wastewater analysis? *

Yes

No

I don't know

Questionnaire

Which parameters are measured at the inflow? Please mention the parameters and the corresponding measurement intervals. *

Parameter (unit): Time interval

Which parameters are measured at the outflow? Please mention the parameters and the corresponding measurement intervals. *

Parameter (unit): Time interval

Has online measurement technology been installed? / Is online measurement technology currently in use? *

Yes

No

I don't know

Please name the parameters and locations of online measurements *

Mechanical & Primary Treatment

Please list the installed treatment components/equipment. *

Questionnaire

Is mechanical treatment/pre-treatment currently operational? *

Yes

No

I don't know

Biological Treatment Including Final Clarification

Please name the basic treatment method of the biological stage. *

Is Nitrogen removal considered? *

Yes

No

I don't know

Is the biological stage/final clarifier currently operational? *

Yes

No

I don't know

Questionnaire

Advanced /Tertiary Treatment

Please name the treatment steps of the advanced treatment. *

Is the advanced treatment stage currently operational? *

Yes No I don't know

Is treated wastewater currently reused? *

Yes No I don't know

Sludge Treatment

Please name the installed treatment components. *

Is the sludge treatment stage currently operational? *

Yes No I don't know

What is the current excess sludge disposal mechanism? *

Questionnaire

Is there anaerobic digestion of sewage sludge? *

Yes No I don't know

Is there a utilization of biogas? *

Yes No I don't know

Biological Loads

What is the average organic load at the inflow of the WWTP? *

Load (kgCOD/d): Concentration (mgCOD/L)

What is the average total Nitrogen load at the inflow of the WWTP? *

Load (kgN/d): Concentration (mgN/L)

Legal Framework Conditions

Effluent Requirements

What are legal requirements for the effluent quality? *

Questionnaire

Into what is the effluent discharged? *

Flowing water (e.g. river, canal, etc.)

Stagnant water (e.g. lake, pond, etc.)

Gutters

Large water body (Ocean/Sea/Bay/Gulf)

Sewerage System

Other

Sludge Disposal Requirements

What are the legal sludge disposal requirements?

Future Developments/Other Framework Conditions

What is the future development of hydraulic and biological load? *

Is there a future demand for water reuse? *

Yes

No

I don't know

Have there been any flooding events of the WWTP in the past? *

Yes

No

I don't know

Questionnaire

Are there regular complaints from the surrounding neighbourhoods? *

Yes No I don't know

Are you aware of the future developments regarding effluent quality requirements? *

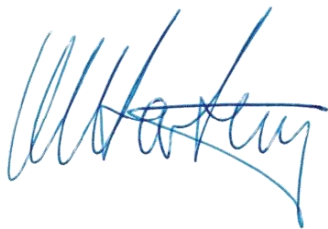
Yes No I don't know

Are you aware of the future developments regarding sludge disposal regulations? *

Yes No I don't know

Thank you very much for your time and effort. Please submit the filled in form via E-Mail to showcaseindia@aquawaste.de

Yours sincerely

A handwritten signature in blue ink, appearing to read "Peter Hartwig".

Prof. Dr.-Ing. Peter Hartwig
(Project coordinator)