



INFRALEUNA®



Waste water / disposal

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Environmentally-friendly waste water and waste disposal on stop

The way in which firms in the chemical sector dispose of and treat their waste water and industrial waste has a more profound effect on their public image than ever before. Together with you, we would like to set new standards in sensitive and responsible interaction with the environment. Our waste water disposal facilities therefore comply with international standards. Our channel separation system provides for the pre-selection of clean water. The CWP removes organic substances and nitrates. Only water of the required quality is directed into the river Saale. A newly installed prevention system prevents polluted water from reaching the Saale and organizes the waste water treatment in the CWP.

We can efficiently and effectively meet all your needs in the field of recycling and waste disposal.

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1. Waste water disposal

1.1. Main activities

InfraLeuna provides a drainage system and various pressure-piping systems for waste water and its discharge to the Saale River or to the CWP in section II of the site. An emergency basin is also available to prevent the run-off of polluted water into the Saale. A precondition for provision of the service is that customer has obtained a permit from the responsible administrative department to dispose of waste water:

- Into the CWP (section II of the site) according to the regulations regarding indirect discharger (does not apply to rain water, ground water and sanitary waste water; only with the permission of InfraLeuna);
- Into a drainage ditch for appropriately classified waste water (for section I of the site);
- Into the foreseen pressure-piping system for production and sanitary waste water.

1.2. Services offered

For customer-owned systems we can provide the following services as required:

Assistance with

- Construction of connecting shafts,
- Hydraulic laying of piping links,
- Choice of material for new connections,
- Choice of suitable equipment for sewer cleaning purposes;

Assuming the responsibility for the co-ordination of drain cleaning work and of the local control facility for work carried out for construction and cleaning.

2. Waste water treatment in the central biological waste water treatment plant (CWP)

2.1. Main activities

The main activity of InfraLeuna's CWP is the treatment of diverse forms of waste water including the discharge of treated waste water into the receiving waters.

Polluted water/muddy water:

Treatment of waste water from production, contaminated ground water and surface water as well as fecal and sanitary waste water via mechanical, chemical-physical and biological processes including final sludge treatment and disposal;

Treatment of communal waste water with mechanical and biological processes including final sludge treatment and disposal;

Provision of a storage facility in case of disruption of waste water pipelines;

Discharge of treated waste water into the receiving waters according to statutory regulations;

Declaration of origin, type, quantity and quality (physical-chemical parameters) of the waste water;

Investigation (biochemical testing) of decomposition process and possible influence or toxic effects on the purification process;

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Stipulation of averaged and maximum inflow quantities and rate on the basis of declaration analyses and biochemical tests;

Determination of the inspection points for the waste water discharge;

Determination of the discharge point of the waste water into InfraLeuna's drainage system respectively pressure piping system;

Issue of an acceptance declaration by the CWP;

Development of a reporting system between customer and CWP

Rainwater/waste water for discharge into the receiving waters:

Treatment of non-contaminated surface water via mechanical cleaning processes including sludge treatment and disposal;

Pumping and accident limitation facility for waste water for discharge into the receiving waters;

Provision of a storage facility in case of disruption of waste water pipelines;

Discharge of waste water into the receiving waters in accordance with statutory regulations;

Declaration of origin, type, quantity and quality of the waste water;

Specifications on averaged and maximum quantities;

Issue of an acceptance declaration by the CWP;

Development of a reporting system between customer and CWP

2.2. Services offered

Management of customer's ground water purification plants and other waste water treatment plants.

3. Waste disposal

Complete organization of sorting or disposal of waste;

Systematic and, where possible, sorted treatment of waste;

Documented declaration of waste;

Selection of means of disposal according to statutory and economic considerations;

Negotiations with waste collectors and disposers;

Consultation with authorities;

Acquisition and provision of documentation and proof of disposal;

Assistance with development of optimal procedure from awarding of contracts to invoicing;

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Gathering and archiving waste data in case of proof of action;

The safety/environmental protection department of InfraLeuna will, as an external service provider, undertake the responsibility of a „waste delegate“ (legally required by the German government).