

Ausgewählte Referenzen: R & H Umwelt GmbH

Nr.	Site location	Waste water disposal Attel with pressure- and gravity pipelines
	Client	Stadt Wasserburg am Inn Marienplatz 2, 83512 Wasserburg am Inn Contact: Herr Steindlmüller Tel.: 08071-10535
	Responsible authority	Landratsamt Rosenheim, Wittelsbacherstr. 53, 83022 Rosenheim; Wasserwirtschaftsamt Rosenheim, Königstr. 19, 83022 Rosenheim
	Total cost (net in €)	Project construction costs net: approx. 2,500,000 € Fees net: approx. 150,000 €
	Execution time	2010-2012
	Project description	<p>The City Wasserburg wanted to connect the waste water of the catchment area of the sewage treatment plant Attel to the municipal sewer network. In course of this R & H Umwelt was commissioned to perform the engineering services for the civil engineering structures and the technical facilities in accordance to the service phases 2-9 HOAI. In addition, R & H provided the surveying services and the on-site construction supervision.</p> <p>Zudem wurden Vermessungsleistungen und die örtliche Bauüberwachung durch R & H erbracht. Der Baubeginn erfolgte im März 2011. Die feierliche Übergabe erfolgte fristgerecht zum 16.12.2011.</p> <p>Attel lies approx. 5.7 km southwest of the Wasserburg's historic center. The city district has a connected waste water sewer, whereas the other city districts Limburg, Kornberg, Au and Reisach do not yet have such. The local waste water was disposed in these city districts mainly via their own 3-chamber sewage ditches.</p> <p>A complete drainage of the waste water with a free gradient is not possible due to the relief. Altogether five pumping stations are necessary for overcoming the elevation differences. The pressure sections are equipped with after blow facilities. Ventilation and bleed valves are provided for the highest points. The formation of hydrogen sulfide is countered by special ventilation facilities (filter, convection barriers) and a particular choice of material.</p> <p>For the waste water disposal a 40 m long holding sewer (buffer) DN 2000 Sb was constructed as well as gravity sewers (DN 200 – DN 300 GGG and PE) installed over a length of 3.4 km and pressure pipelines (DN 90 and DN 200) over a length of 3 km. North of Gern the waste water pressure pipeline crosses the Gerner Graben that flows into the Inn River.</p>
	Service phases according to HOAI	2 bis 9; Engineering structures and technical facilities
	Project processors	Herr Bauer, Herr Birr, Frau von Behrbalk
	Keywords	Waste water, local drainage, pressure pipeline, gravity pipelines, hydraulic and pneumatic pumping stations, after blow facilities, hydrogen sulfide
	Administrative requirements	

