

Munich

Munich Airport, Terminal 2 Apron East/Ramp 3 - Wastewater Disposal



Regierungsbaumeister
SCHLEGEL



Client

Flughafen München GmbH

Period

1998 - 2004

Project Cost

31.000.000 €

Abstract

Within the framework of the project, sewers and structures necessary for the superordinate drainage of Terminal 2, Apron East and Ramp 3, were installed as well as adjusted to the new requirements.

The storm water flow is collected by sewers from the apron and roof areas of the new terminal and discharged through two new storm water clarifiers, installed under the apron area, to the receiving water. The wastewater is gathered from the airplane parking area and flown to the light material separator, prior to be sent to the storm water canalisation. The wastewater is gathered from Terminal 2 and the luggage sorting hall and led to Eitting Sewage Treatment Plant through the existing combined wastewater canalisation. The connecting ditch South-North, functioning as a receiving water open ditch for drainage and groundwater regulation, must be tubed. The lost storage volume is compensated by restructuring of the storm water tank with overflow to a storm water retention tank. During winter, the discharge from the airport operation areas, already loaded with deicers, will be sent to a central melt water tank. Extension of the apron area takes enlargement of the storage volume for granted.

Scope of Service

pre-design, design, approval design,
execution design, preparation of tender
documents, construction supervision, site
supervision
planning of structural framework
technical equipment

Technical Data

Structure with overflow and connections	14
Petrol separators	9
Wastewater pumping station	1
Sewers, DN50-DN2000	approx. 38 km
2 Stormwater clarifiers	approx. 4,000 & 6,000 m ³
Reconstruction of an existing stormwater tank with overflow to a stormwater retention tank	approx. 7,000 m ³
Extension of the usable volume of the existing melt water tank	approx. 100,000 m ³