

Energy from Waste Plant - Mannheim:

Facts & Figures



More than 40 years of experience

In the late Fifties, a decision was made to build an energy from waste facility in Mannheim. Since then, the facility has been regularly upgraded and extended; the last CHP incinerator went on line in 2003. Boiler 6 is currently under construction and will replace boilers 2 and 3, which were built in the 1960s. The investment in the facility amounts to € 127 million. Implementation is planned for the end of 2009.

High capacities for industry

Mannheim's energy from waste facility supplies around 15 industrial customers in Mannheim's northern districts with a total of 70 tonnes of process steam per hour. In addition to the CHP incinerators, the plant has three gas-fired high-pressure boilers and two gas-fired medium-pressure boilers available for producing steam.

Environmentally sustainable energy for small businesses and households

Mannheim's energy from waste facility supplies the power network with electricity generated using combined heat and power technology. In this way refuse is turned into environmentally sustainable energy.

Facts & Figures about

Mannheim EfW CHP Facility:

Permit:	Issued in accordance with the national Clean Air Directive
Commissioned:	1965
Types of waste:	Household refuse, curbside rubbish, industrial and commercial waste
Number of boilers:	4
Firing:	Underfeed stoker
Waste bunker capacity:	14,000 m ³
Yearly throughput:	550,000 Mg/a
Design calorific value:	Boilers 2 + 3: 9,240 kJ/kg Boilers 4 + 5: 9,600 kJ/kg
Live steam production:	Up to 1.84 million Mg/a at between 25 and 80 bar, 265–500 °C
Electrical power generated:	135 000 MWh/a
Steam:	70 Mg/h steam output under normal loads
Residues:	145,000 Mg/a slag 23,500 Mg/a other residues

MVV Umwelt GmbH is a wholly owned subsidiary of MVV Energie, a state-of-the-art, highly efficient public utility and service provider. MVV O&M GmbH (www.mvv-oum.de), a subsidiary of MVV Umwelt GmbH, manages the energy from waste facility in Mannheim. The areas of planning, design, construction, operation and maintenance for incineration facilities and biomass power plants are part of the MVV O&M GmbH operation.



Here's how to find the Mannheim:

Take the B44 towards Friesenheim Island via the Diffenébrücke (Diffené Bridge) and Diffenéstraße (Diffené Road) and turn off after ca. 1 km onto Otto-Hahn-Straße (Otto Hahn Road) to the Müllheizkraftwerk.

Taking the A6 from the direction of Kaiserslautern, turn off at the Mannheim-Sandhofen exit and take the B44 to the Friesenheim Island exit via Bürstädter Straße and Diffenéstraße.

Tram Lines 1 or 3 will take you from the train station to the Luzenberg stop. Here you should transfer to Bus Line C or I towards Müllheizkraftwerk. There is a train (Bundesbahn) connection in Mannheim-Luzenberg.

Mannheim EFW CHP Facility

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