

I am an employee at the Mannheim Sewage Treatment Plant. In very heavy rainfall the overflow basins fill up and they have to discharge biological not yet cleaned wastewater in the Rhine river.

P.O.V STATEMENT

STAKEHOLDER
Everyone

INDUSTRY SECTOR
Municipal Services
Collection, discharge
and treatment of
sewage and
rainwater from the
urban area



by Bartosz Wilkuzs Sewage plant Mannheim

SIGNIFICANCE OF ISSUE

Mannheim has 21 retention basins and 9 rain overflow basins with a storage capacity of 185,000 m³ to prevent flooding in the urban area. The rain water is temporarily stored in the reservoirs and later returned to the sewer system. 10-15 times a year the precipitation exceeds the capacities of the existing storage spaces and has to be released into the Rhine and Neckar after mechanical cleaning from coarse impurities. This procedure is an issue for all cities and sewage treatment plants. At the sewage treatment plant in Mannheim even at very high rainfall, the pre-released waste water gets a mechanical treatment with coarse and fine rakes, grit chamber for sand, grease trap and a primary sedimentation basin.

SOURCES

https://www.mannheim.de/sites/default/files/institution/1035/environmental_report.pdf [page 9]

https://www.mannheim.de/sites/default/files/2017-11/EBS-Presentation_5.pdf