

info Control strategies lead to an optimum utilization of available capacities while considering economic interests. The software application CONTROL is a powerful rule-based system for sewer system control that can be used both, for simulation purposes and for the control of real sewer systems.

CONTROL allows you to develop and verify control strategies for urban sewer systems and rural catchment areas. For the development of a control strategy CONTROL interacts with the hydrodynamic rainfall-runoff simulation model HYSTEM-EXTRAN. The derived strategy can be refined by several simulation runs until it meets the objective. It is no problem using CONTROL in a real sewer system, because the rule interpreter can be run as an independent application.

CONTROL consists of the following modules:

- ◆ CONTROL: rule-based control application
- ◆ CTL-EIN: input application
- ◆ CTL-VIEW: application for the system status visualization
- ◆ EXTRAN: rainfall-runoff simulation and hydrodynamic sewer simulation; program version especially suited for the interaction with CONTROL

The software also includes routines that support the data exchange between the different modules.

Beside the standard output and log files of the HYSTEM-EXTRAN input data any system status and controlling decision is recorded. The result files can be imported and processed by the standard MS-Office applications. The results calculated by the HYSTEM-EXTRAN simulation model can be analyzed by graphical modules like e.g. itwh GIPS or GIPS-Light.

System requirements

- ◆ Windows 2000 Professional, Windows XP Professional
- ◆ Intel Pentium III-compatible processor

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