Instrumentation On Stormwater Treatment Facilities

NIVUS instrumentation – as diverse as your stormwater overflow tank
Your complete instrumentation – all from one source

The importance of measurements and recordings on stormwater treatment facilities is constantly growing. It is not only authorities who demand proofs and protocols on impoundage events and overflow volumes; such data furthermore represent an important planning basis to expand previous settlement areas.

The mere use of expensive measuring instruments does not guarantee good results. Having gained many years of experience, our engineers and technicians as well as the appropriate choice of instruments ensure the reliability and precision of your data.

Level measurement
- Devices: NivuMaster transmitter, P-Series ultrasonic sensor
  - Non-contact and drift-free detection of tank filling level and overflow level
  - Detection of begin/end of impoundage and begin/end of overflow
  - Calculation of overflow volumes on weirs

Volume calculation according to DWA-A111
- Devices: HydraulicCalculator Plus flow calculator
  - Calculation of exact overflow volumes on weirs tending to backwater
  - Calculation of water level on weirs with tangential flow
  - Volume calculation on slots and slide valves (discharge under pressure)
  - Calculations on movable weir flaps

Measurement of overflow volumes
- Devices: OCM Pro CF transmitter
  - Detection of even very low overflow volumes
  - High accuracy on undefined and old weir crests, lamella weirs, screening weirs and other constructions with undefined Q/h-relation
  - Insensitive to soiling
  - Easy retrofitting in existing channels

Measurement and control of discharge
- Devices: OCM FR transmitter, flow velocity sensor, NivuCompact Level sensor
  - Measurement of nightly discharges, dry weather and stormwater volumes
  - Control element driving for discharge volume control
  - External setting of setpoints for tank management
  - Insensitive to soiling

Data recording, logging and telecontrol
- Devices: NivuLog
  - Detection and logging of event-relevant data (begin/end of tank impoundage, tank overflow and clarification overflow)
  - Recording of impoundage progress
  - Error message management
  - Detection of run times, limit overstepping and much more

You are interested in more application examples and references regarding instrumentation on stormwater treatment facilities? Just talk to us!
Our brochure “Applications and Services” provides comprehensive information on NIVUS measuring instruments. Here you can find all devices for use in stormwater treatment facilities as well.

Simply view on www.nivus.com or contact us for a hardcopy.