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- Importance of TSS as a pollution vector
- Traditional TSS measurements
- Turbidity as a TSS measurement surrogate
- Operational issues with turbidimeters
- Value of high-frequency TSS data
- Characteristics of a perfect TSS sensor

My initiation to TSS in urban drainage systems
"Fonctionnement du traitement des eaux usées en cas de fortes variations de débit" Journée d'étude CB-IAWQ, Liège, 31.05.95
Variabilité des charges solides en suspension à l'exutoire des réseaux de collecte
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My initiation to TSS in urban drainage systems

Wastewater treatment operations under high flow variations Symposium Belgian Branche of IAWQ, May 31 1995

Variability of TSS loads at the outlet of the collection system

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TSS measurements

























Take home

- TSS carry over 50% of important pollution:
 - Organics
 - Nutrients
 - Pathogens
 - Micropollutants (heavy metals, hydrophobic PPCP)
 - Inorganics (sand)
- Dynamics are fast
- High-frequency monitoring & modelling is essential for urban pollution management
- Turbidity TSS relationship exists and has been used a lot
- Problems remain with:
 - Installation
 - Maintenance
 - Stability of Turbidity-TSS relationship

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