Combined Sewer System (CSS) Characterization for Combined Sewer Overflow (CSO) Modeling

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TOPICS

- Combined Sewer System(CSS) Characterization
- CSO Controls
  - Gray Infrastructure
  - Green Infrastructure
- CSO Volume and/or Event
  - Treated
  - Untreated

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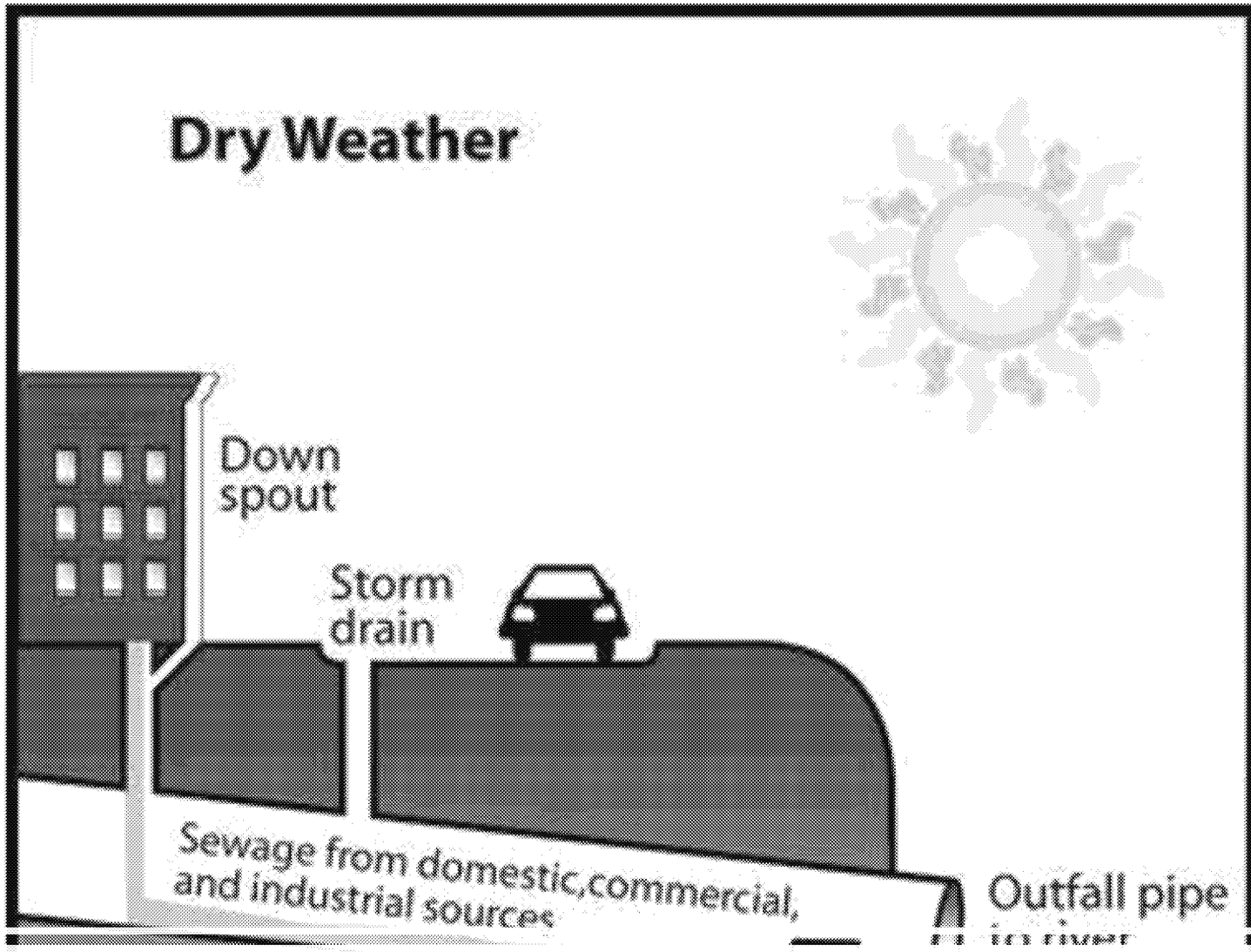

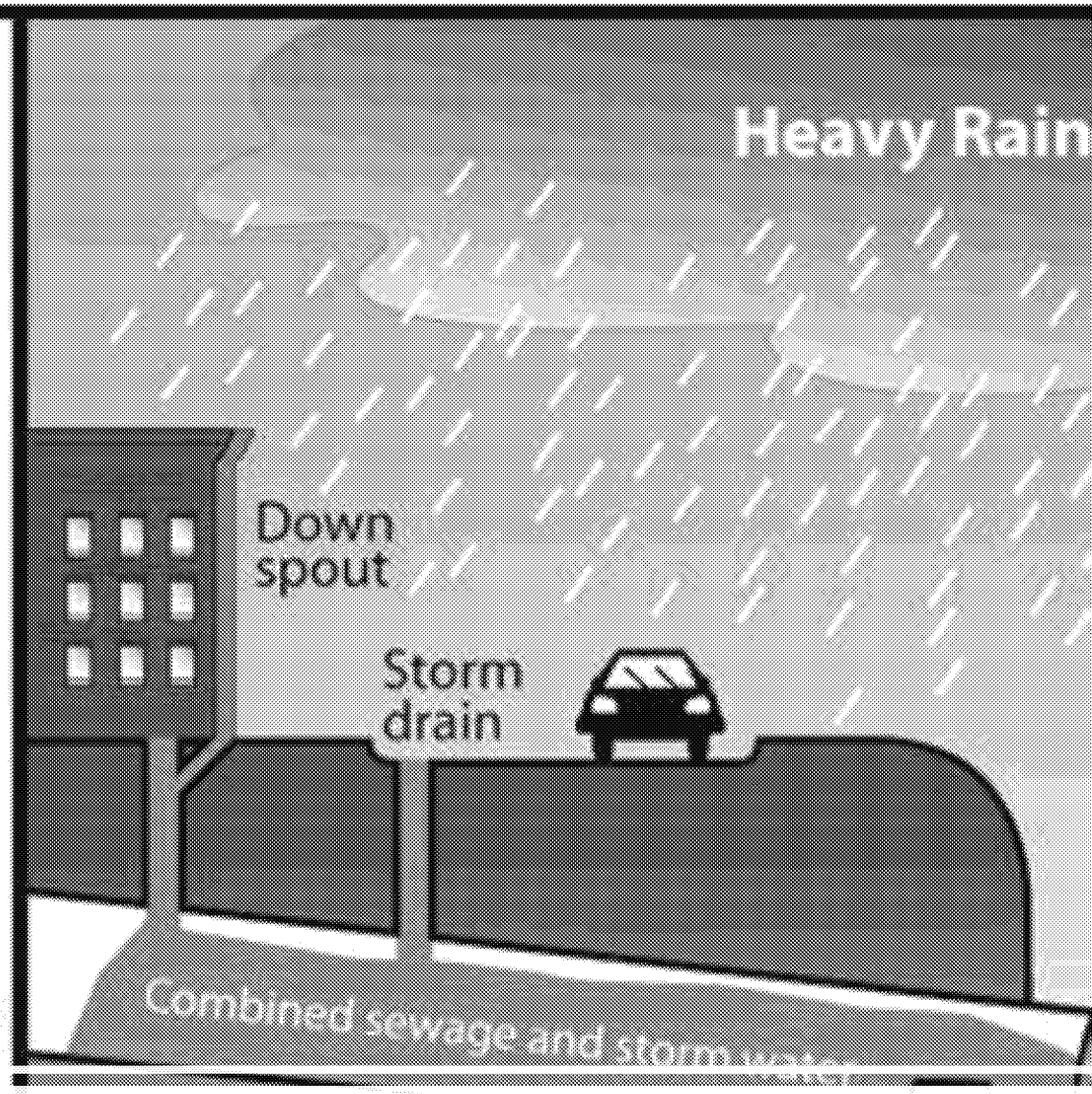

Combined Sewer System (CSS) Characterization

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What Does Tom Look Like?

CSS Characterization

- What is CSS characterization?
  - How does the CSS react due to a participation event?
  - Not looking at the typical or design rainfall event, but any rainfall event

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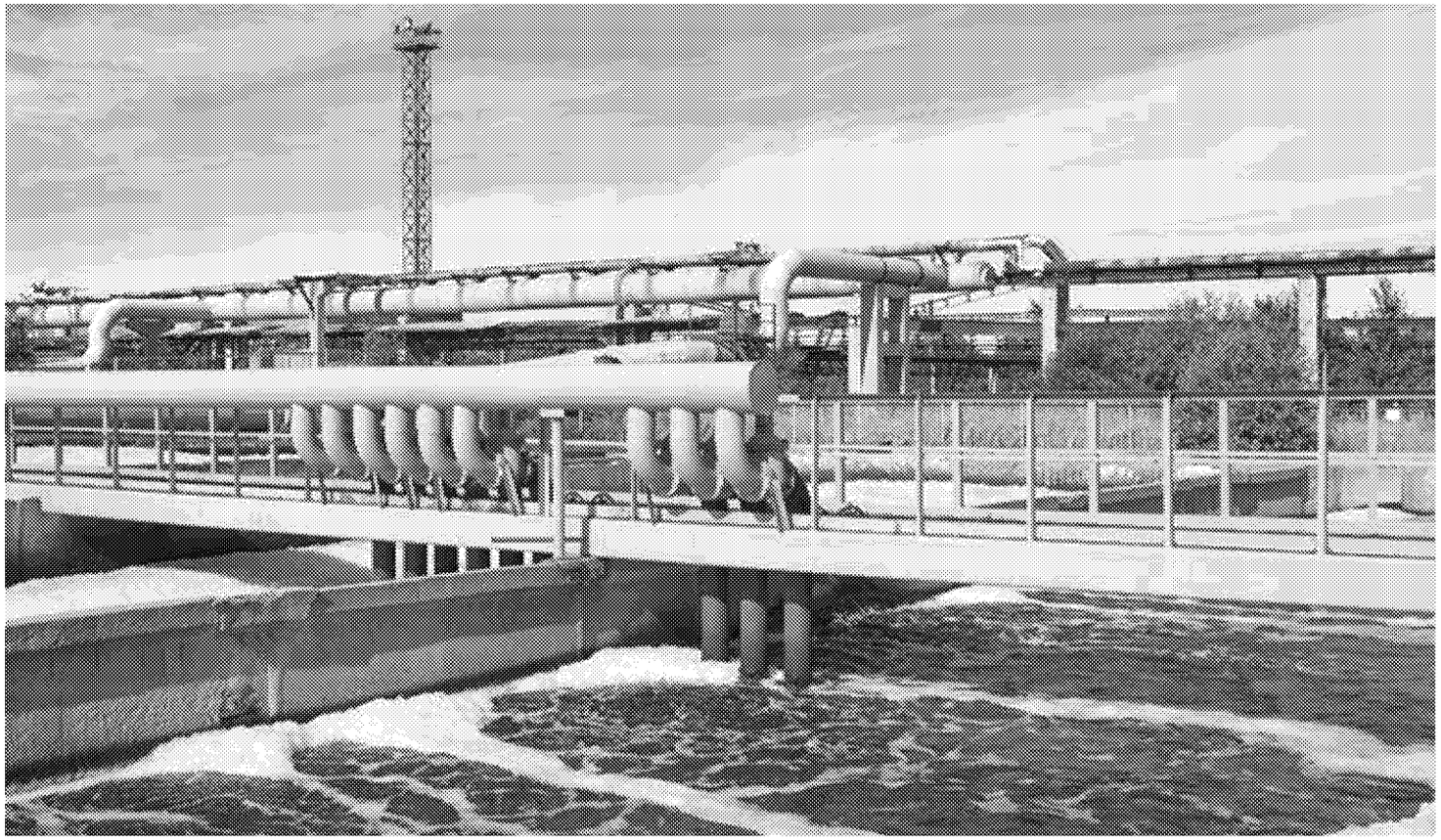

Three Components of System Characterization

- **Physical characterization:**
  - **What are the components of the CSS?**
    - ✓ **pipes, pumps, hydraulic control structures, treatment facilities.**
  - **How does the CSS respond to rainfall?**
- Characterization of combined sewage and CSO
  - Characterization of precipitation
  - What significant pollutants are present in CSO?
- Characterization of receiving waters
  - Are CSOs likely to cause WQ standards violations?

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