



OBJECTIVES

- New Development
- Residential
- Commercial Activities
- Industrial Activities
- Municipal Facilities
- Illegal Discharges



WEBER COUNTY

ENGINEERING DEPARTMENT

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DESCRIPTION:

Implement control procedures for identifying, repairing, and remediation of sewer blockages, infiltration, inflow, and wet weather overflows from sanitary sewers into the storm drain conveyance system. Procedures include field screening, follow-up testing, and complaint investigation.

APPROACH:

- ▶ Identify dry weather infiltration and inflow first. Wet weather overflow connections are very difficult to locate.
- ▶ Locate wet weather overflows and leaking sanitary sewers using conventional source identification techniques.
- ▶ Coordinate with ongoing infiltration and inflow (I & I) program to locate sources of exfiltration during I & I inspections.
- ▶ Design, site, operate, and maintain on-site sewage disposal systems to prevent nutrient/pathogen loadings to surface waters and to reduce loadings to groundwater.

Leaking sanitary sewer detection techniques include:

- ▶ Field screening program (including field analytical testing),
- ▶ Fluorometric dye testing,
- ▶ Zinc chloride smoke testing,
- ▶ Television camera inspection,
- ▶ Nessler Reagent test kits for ammonia detection,
- ▶ Citizens' hotline reporting of wet weather sanitary overflows.

LIMITATIONS:

- ▶ Private property access rights needed to perform field screening/testing along storm drain right-of-ways.
- ▶ Requirements of municipal ordinance authority for suspected source verification testing necessary for guaranteed rights of entry.

TARGETED POLLUTANTS

- Sediment
- Nutrients
- Heavy Metals
- Toxic Materials
- Oxygen Demanding Substance
- Oil & Grease
- Floatable Materials
- Bacteria & Viruses
- High Impact
- Medium Impact
- Low or Unknown Impact

IMPLEMENTATION REQUIREMENTS

- Capital Costs
- O&M Costs
- Regulatory
- Training
- Staffing
- Administrative
- High
- Medium
- Low