



OBJECTIVES

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



WEBER COUNTY

ENGINEERING DEPARTMENT

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DESCRIPTION:

Prevent or reduce the discharge of pollutants to stormwater from aboveground storage tanks by installing safeguards against accidental releases, installing secondary containment, conducting regular inspections, and training employees in standard operating procedures and spill cleanup techniques.

The most common causes of unintentional releases are:

- ▶ Installation problems,
- ▶ Failure of piping systems (pipes, pumps, couplings, hoses, and valves),
- ▶ External corrosion and structural failure,
- ▶ Spills and overfills due to operator error, and
- ▶ Leaks during pumping of liquids or gases from a truck to a storage tank or vice versa.

APPROACH:

- ▶ Integrate efforts with existing aboveground petroleum storage tank programs through the local Fire Department and Health Department, and area and business emergency response plans through the City, County, or Fire District.
- ▶ Use engineering safeguards to reduce the chance for spills.
- ▶ Perform regular maintenance.

LIMITATIONS:

- ▶ For larger spills, a private spill clean-up company or Hazmat team may be necessary.

MAINTENANCE:

Maintenance is critical to preventing leaks and spills. Conduct routine weekly inspections and:

- ▶ Check for external corrosion and structural failure,
- ▶ Check for spills and overfills due to operator error,
- ▶ Check for failure of piping system (pipes, pumps, flanger, coupling, hoses, and valves),
- ▶ Check for leaks or spills during pumping of liquids or gases from truck to storage facility or vice versa.
- ▶ Periodically, integrity testing should be conducted by a qualified professional.

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