

Potential Contaminant Sources

An Overview and Exercise

What is a PCS?

- Location of a regulated contaminant(s) within the delineated assessment areas for each public water supply intake

What is the data source?

- State programs (DWM, DWR, DPS)
- Federal agencies (EPA)

How is the data used?

- SWAP application
 - Contaminant rating
 - Risk Category (Higher, Moderate, Lower)
 - Spillable?
 - Treatability
 - Size
- SWAP report
- Online SWAP mapping tool
- Development of SWP plans

Current data sets

- Animal operations facilities
- Hazardous waste generator/transporters
- Hazardous waste treatment/storage/disposal
- National pollutant discharge elimination system
- National priority list sites
- Non-discharge permits
- Old landfill sites/pre-regulatory sites
- PCB sites
- Pollution incidents
- Septage disposal sites

Current data sets

- Soil remediation sites
- Solid waste facilities
- Superfund sites
- Tier II sites
- Underground injection control permits
- Underground storage tank facilities

Potential PCSs to include

- Active landfills
- Gas stations
- Chemical/petroleum processing/storage
- Wood/pulp/paper processing and mills
- Furniture repair/manufacturing
- Parking lots/malls (>50 spaces)
- Road salt storage
- Recreational use of motorized watercraft on surface waters
- Railroad yards/maintenance/fueling areas
- Transportation corridors (interstate highways/railroads)

Exercise

1. With the person sitting next to you, review the list of existing data categories and rank each one in terms of risk to the surface drinking water supply.
 1. Spillable?
 2. Treatable?
2. In the empty spaces in the table identify, describe, and rank any PCSs that are not already included in the PCS data set.
 1. A list of potential additions is provided on the third page of the handout.