

An aerial photograph of a river with vibrant, swirling colors of blue, purple, green, and brown, indicating water pollution. The colors are concentrated in the center and lower half of the image, with the upper half showing more natural, greyish-brown water. The text is overlaid on this image.

# Stormwater Best Management Practices

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# Stormwater Pollution

Best Management Practices are important to implement because...

The easiest way to deal with pollution is to prevent it from happening in the first place

# Target High Risk Pollution Generating Activities

- **Reference local codes – Stormwater Code, Land Use Code**
- **Reference Ecology Stormwater Manual**
- **Seattle Stormwater Code targets 8 High Risk Pollution Generating Activities**

# Target High Risk Pollution Generating Activities

- **Fueling Operations**



- **Vehicle, Equipment or Building Washing or Cleaning**



- **Loading or Unloading of Liquid or Solid Materials**



- **Liquid Storage in Stationary Aboveground Tanks**



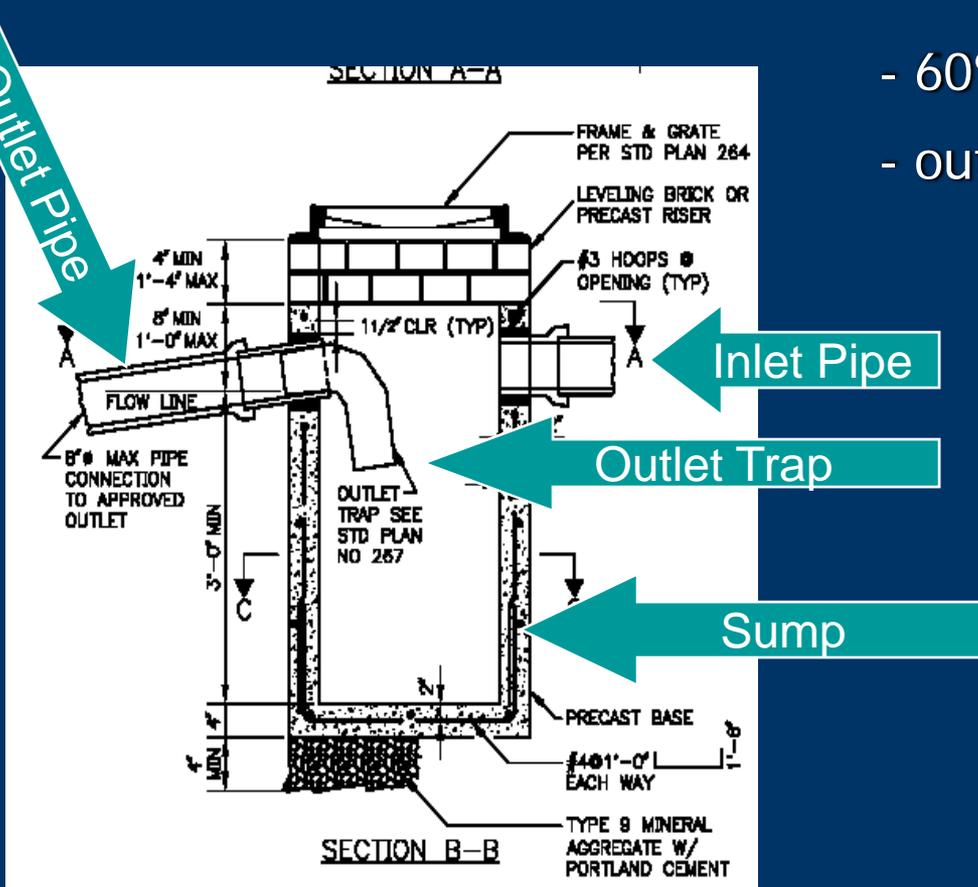
- **Outside Portable Container Storage or Liquids, Food Wastes or Dangerous Wastes**
- **Outside Storage of Non-Containerized Materials, By-Products or Finished Products**
- **Outside Manufacturing Activity**
- **Landscape Construction or Maintenance**



# The Basics – apply to all sites

- Maintain drainage systems, driveways, etc
  - Catch basin maintenance

- 60% rule (from bottom of lowest pipe)
- outlet traps – basic oil control



# The Basics – apply to all sites

- Develop a spill plan and have spill materials
- Identify and eliminate illicit connections



# The Most Common Activities

- Most BMP's are based on the same principles of isolate, cover, contain...and have a back up plan (spill management).
- Let's go over some of the most common outdoor activities and their relevant BMP's.

# Vehicle, Equipment and Building Washing



## BMP's Include:

- Designated area with drain to sewer
- If use soap, wash where water will soak into ground (depending on volume and what is being washed)
- Only wash with soap in a place where you KNOW the drain goes to the sewer

# Outside Storage of Non-Containerized Materials



# Outside Storage of Non-Containerized Materials

## BMP's Include:

- Cover and Contain
- Increase housekeeping, such as sweeping
- Store away from storm drains



# Outside Portable Container Storage



## BMP's Include:

- Compatible, leak proof containers with tight fitting lids
- Use secondary containment
- Check for leaks and spills



# Landscape Construction and Maintenance



## BMP's Include:

- Follow written procedures on pesticides and fertilizer application
- Store pesticides properly
- Do not dispose of landscape debris near drains
- Increased housekeeping



# Truck or Rail Loading or Unloading of Liquid or Solid Materials



## BMP's Include:

- Proper housekeeping
- Employee present
- Have spill kit located



# Outside Manufacturing Activity



## BMP's Include:

- Isolate the activity
- Under cover
- Housekeeping
- No discharge

# Vehicle and Equipment Maintenance and Repair



## BMP's Include:

- No work involving liquids done outside
- Clean up leaks and spills

# Parking or Storage of Vehicles and Equipment



## BMP's Include:

- No work involving liquids done outside
- Routine checks and clean up leaks and spills

# Fueling Operations Mobile and Stationary



## BMP's Include:

- Training for operators
- Specific clean up materials (for mobile)
- Post instructions for safe operation
- Operator present during fuel transfer

# Liquid Storage in Stationary Aboveground Tanks



## BMP's Include:

- Check areas for leaks and spills
- Inspect tanks and fittings for leaks, corrosion or deterioration

# Questions?

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