# SPILL PREVENTION & EMERGENCY CLEANUP PLAN (SPECP)

MANAGING "HAZARDOUS" MATERIALS ON SITE!





## SPECP PLANUSHOULD INCLUDE:

#### PROJECT SITE INFORMATION

- SITE FLOW
- DISTANCE TO
   RECEIVING WATERS
- IDENTIFY ANY
   PRE-EXISTING
   CONTAMINATION



### SPECP PLAN SHOULD INCLUDE:

- POTENTIAL POLLUTANT SOURCES
  - LIQUID AND DRY MATERIALS LISTS AND LOCATIONS
  - MATERIAL HANDLING PROCEDURE
  - STORAGE REQUIREMENTS



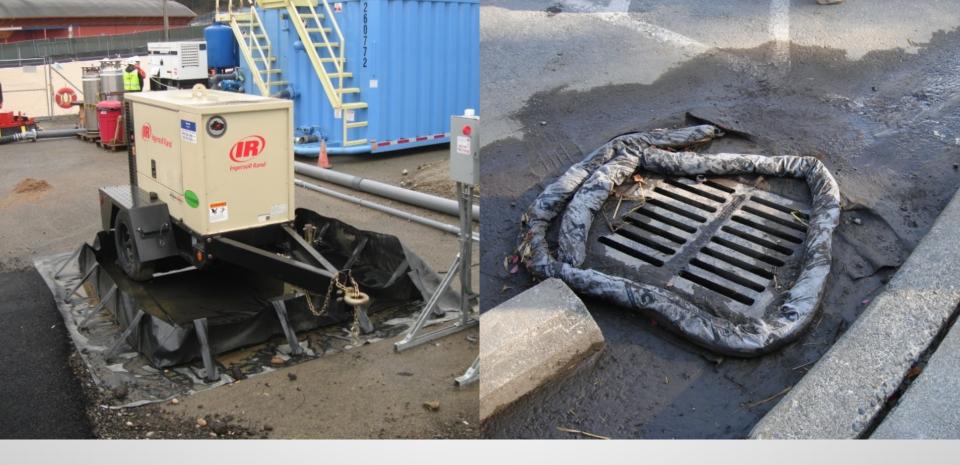
## SPECP PLAN SHOULD INCLUDE:

#### SPILL RESPONSE PERSONNEL

- IDENTIFICATION OF DEDICATED PERSON(S) TO RESPOND
- TRAINING SCHEDULE

#### SPILL RESPONSE BMPS

- LIST OF ALL BMPS AND SPILL KITS AND THEIR LOCATIONS
- A LIST OF THE CLEANUP EQUIPMENT AND PROCEDURES



## SPILL CONTAINMENT VS. SPILL CONTROL

SIMILAR TO EROSION VS. SEDIMENT CONTROL

#### SECONDARY CONTAINMENT

 THE CONTAINMENT SYSTEM MUST HAVE SUFFICIENT CAPACITY TO CONTAIN 10% OF THE TOTAL VOLUME OF ALL CONTAINERS OR 110% THE VOLUME OF THE LARGEST CONTAINER, WHICHEVER IS GREATER.





55 gal drum X 4 = 220 gallons X 10% = 22 gal - OR - 55 gallon drum X 110% = 62 gal

## SPILL CONTROL

- NUMBER ONE GOAL:
   MINIMIZE THE IMPACT
   OF THE SPILL
  - HUMAN HEALTH
     AND SAFETY
  - CONTAINMENT
  - PROTECT WATER







#### CONTAIN THE SPILL

- USE WHAT IS AROUND YOU TO PREVENT SPILL FROM EXPANDING
- SPILL KIT NOT JUST KITTY LITTER
- PROTECT OR SEAL INLETS / CATCHBASINS

#### CLEAN UP THE SPILL

- KNOW THE POLLUTANT
- KNOW YOUR SORBENTS
- KNOW DISPOSAL
- DO NOT PUT YOURSELF OR OTHER PEOPLE AT HEALTH RISK



#### **SORBENT DIFFERENTIATION**

#### ABSORPTION VS. ADSORPTION

#### **AB**SORB

something is taken **into** a medium, and disappears as a consequence

#### **AD**SORB

something gets stuck onto the surface of a medium

#### Why Care?

Hydrocarbon capture and re-use
Disposal of saturated sorbents
Re-suspension of sorbed pollutants





#### SPILL LOG

- DATE
- TIME
- AMOUNT
- LOCATION
- IDENTIFY MATERIAL
- REASON FOR SPILL
- DATE/TIME OF CLEAN UP COMPLETED
- NOTIFICATIONS MADE
- STAFF INVOLVED
- DISPOSAL

Figure 1. External Regulatory Reporting Requirements Flowchart

Trigger: Hazardous Material Spill or Encounter

(Not a life threatening emergency)

If a spill is <u>caused by the Contractor</u>, the Contractor reports to Project Engineer (PE) and regulatory agencies as indicated below.

If <u>pre-existing UST or contamination</u>, the Contractor reports to WSDOT Project Inspector (PI). The PI notifies the PE who follows ECAP (Construction Manual 1-2.2K) to determine internal and external reporting procedures. \*

#### Spill to Water

Including ponds, ditches, seasonally dry streams & wetlands

Immediately call National Response Center (24 hr)

1-800-424-8802

AND

Immediately call Washington State Division of Emergency Management (24 hr)

1-800-258-5990

AND

Immediately call Ecology Regional Office

#### Spill to Soil

Including encounters of pre-existing contamination

If an immediate threat to health or environment (i.e, explosive, flammable, toxic vapors, shallow groundwater, nearby creek) immediately call Ecology Regional Office

OR

\* If NOT immediately threatening, but may be a threat to health or the environment, complete the response/cleanup & report to Ecology Regional Office within 90 days.

#### Underground Storage Tank (UST)

Encountering unknown USTs in excavations

If confirmed release from UST, report to Ecology <u>Regional</u> Office within 24 hours.

#### WHEN

\* Removal of regulated tank, submit written report to Ecology within 30/90 days per WAC 173-360-385 & WAC 173-340-450.

#### **Ecology Regional Office Numbers**

Eastern (Spokane) 509-329-3400 Northwest (Bellevue) 425-649-7000 Central (Yakima) 509-

575-2490 Southwest (Lacey) 360-407-6300

http://www.ecy.wa.gov/programs/spills/other/reportaspill.htm

<sup>\*</sup> Asterisks notes that reporting is conducted through ECAP where the PE coordinates regulatory agency reporting through the Regional Environmental Office and a Hazardous Materials Specialist.

