

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The largest droplets are located in the top-left and bottom-right corners, while smaller ones are more centrally placed.

Spill Prevention & Emergency Cleanup Plan (SPECP)

MANAGING “HAZARDOUS” MATERIALS ON SITE!



SPEC PLAN SHOULD INCLUDE:

PROJECT SITE INFORMATION

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





SPEC 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

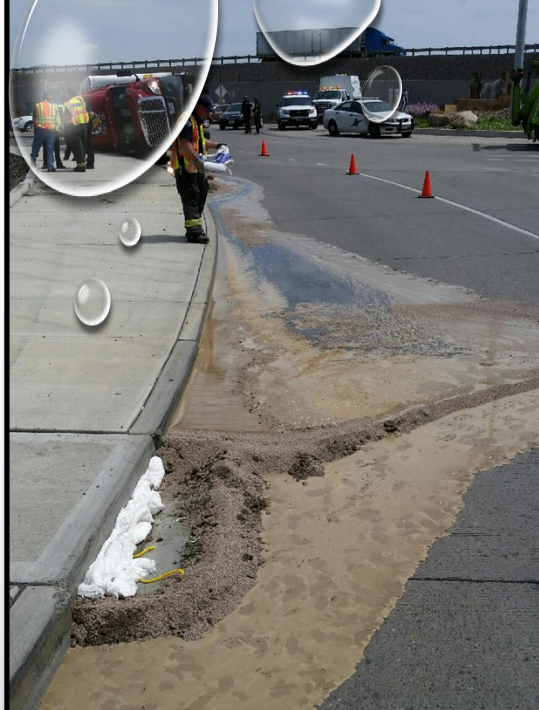
- OR -

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

ABSORB

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

ADSORB

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

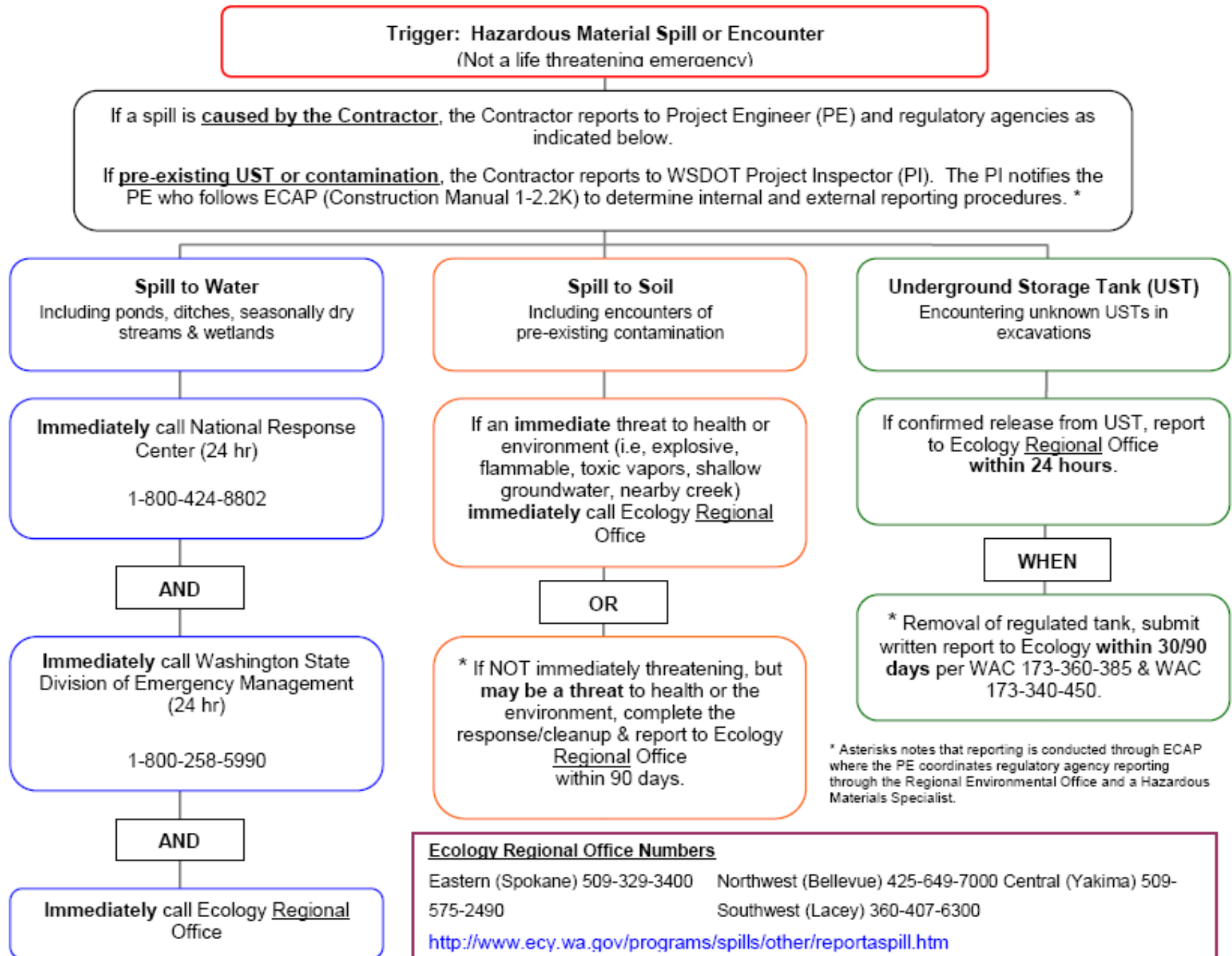




SPILL LOG

- 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





BREAK

