
SPILL PREVENTION
CONTROL
AND
COUNTERMEASURES
40 CFR 112
CLEAN WATER ACT

PRESENTED BY

- **COMNAVBASE ENVIRONMENTAL**
- **EFD(Engineering Field Division)/ EFA(Engineering Field Activity)**

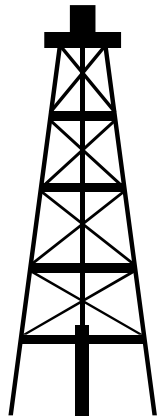
PURPOSE

- **TO PREVENT, CONTROL, AND PROVIDE COUNTERMEASURES TO PROHIBIT OIL SPILLS FROM CONTAMINATING THE ENVIRONMENT**

FOCUS ON PREVENTING OIL FROM REACHING NAVIGABLE WATER (creeks, etc)

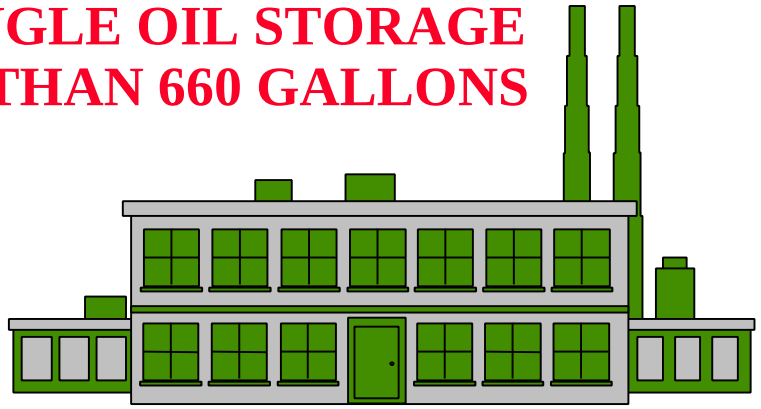
DOES NOT APPLY TO

HAZARDOUS SUBSTANCES



APPLICATIONS

- **FACILITIES WITH MORE THAN 42,000 GALLONS OF UNDERGROUND OIL STORAGE; or**
- **FACILITIES WITH MORE THAN 1,320 GALLONS OF ABOVEGROUND OIL STORAGE; or**
- **FACILITIES WITH A SINGLE OIL STORAGE CONTAINER OF MORE THAN 660 GALLONS**



REGULATIONS SET-UP

IF REGS ARE APPLICABLE, FACILITY MUST DEVELOP SPCC PLAN THAT MEETS CERTAIN GUIDELINES, INCLUDING GOOD ENGINEERING PRACTICE

PLAN SHOULD HAVE 3 PARTS:

- INDIVIDUAL FACILITY DESCRIPTIONS/DEFICIENCIES
- OPERATIONAL REQUIREMENTS TO MAINTAIN SPILL PREVENTION FACILITIES AND DETECT SPILLS
- SPILL RESPONSE PLANS

FACILITY DESCRIPTIONS

- **WHAT DOES THE FACILITY STORE?**
- **HOW MUCH?**
- **WHAT TYPE OF CONTAINERS?**
- **IS SPILL PREVENTION EQUIPMENT IN PLACE?**
- **TAKE NOTICE OF:**
  - **CONTAINMENT**
  - **HIGH LEVEL ALARMS**
  - **CORROSION PROTECTION**
  - **LOCKS ON "HIGH RISK" VALVES**
  - **SECURITY (VANDALISM)**

OPERATIONAL REQUIREMENTS

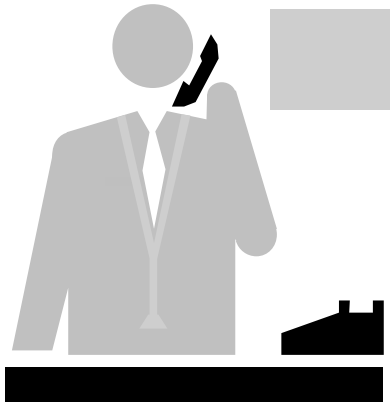
PROCEDURES FOR OIL TRANSFER OPERATIONS

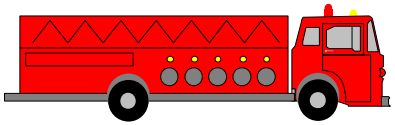
- PERIODIC INSPECTIONS TO MAKE SURE THAT SPILL PREVENTION EQUIPMENT IS WORKING

- DETECT SPILLS

SPILL RESPONSE

WHO GETS THE CALL?
(notification)



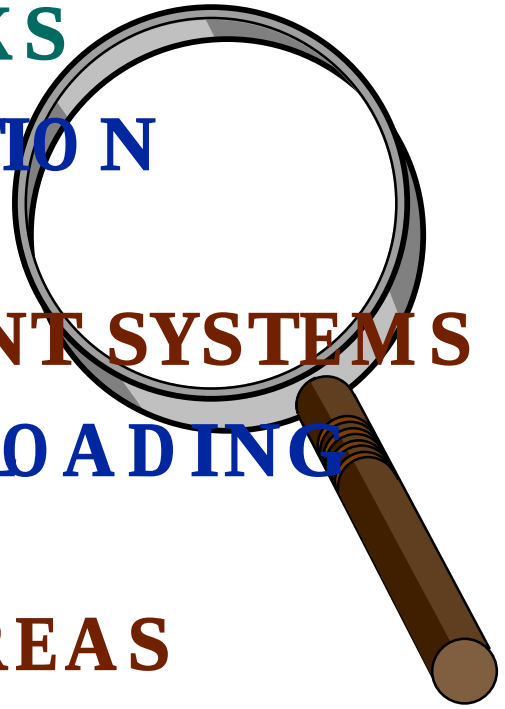


WHO RESPONDS?

WHAT IS DONE WITH SPILLED MATERIAL?
CONSULT YOUR SPILL REPORTING PROCEDURE

NEED TO INSPECT

- OIL STORAGE TANKS
- OVERFILL PROTECTION SYSTEMS
- SPILL CONTAINMENT SYSTEMS
- OIL LOADING / UNLOADING AREAS
- DRUM STORAGE AREAS



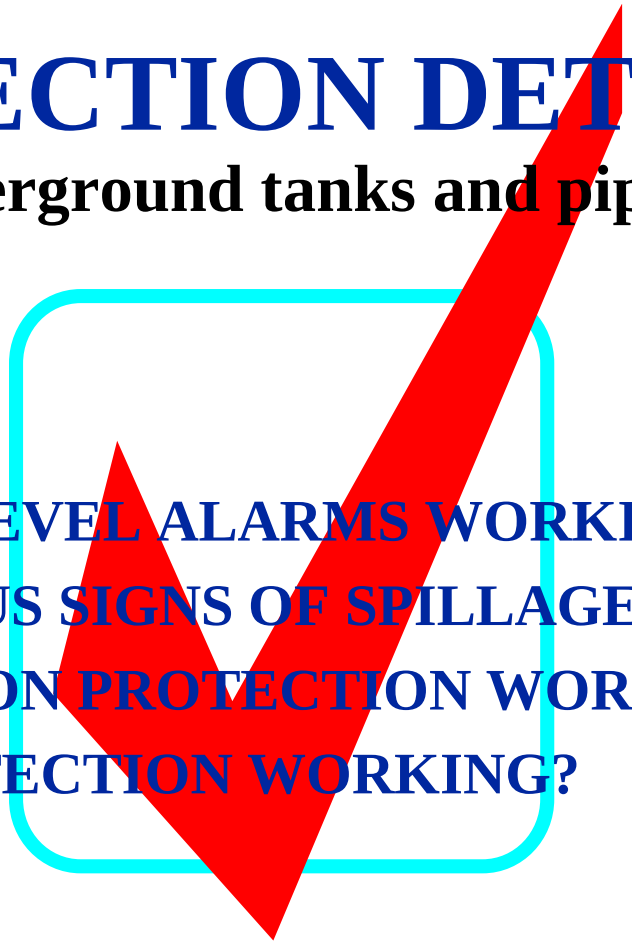
INSPECTION DETAILS

(Aboveground tanks and piping)

- **TANK/DRAINAGE VALVES CLOSED?**
- **WATER IN CONTAINMENT?**
- **EVIDENCE OF SPILLS?**
- **CRACKS IN CONTAINMENTS**
- **OBVIOUS SIGNS OF DAMAGE / RUST / LEAKAGE?**
- **ARE HIGH LEVEL ALARMS WORKING**

INSPECTION DETAILS

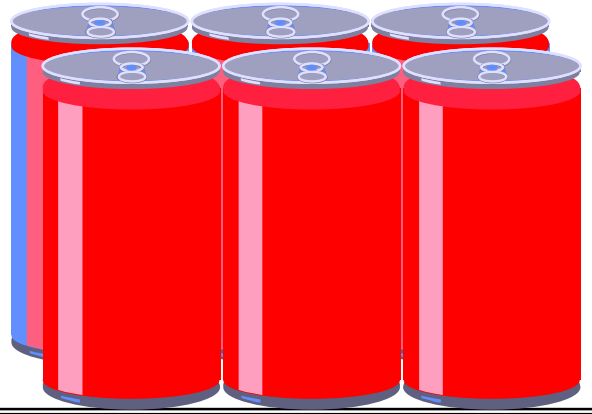
(Underground tanks and piping)



- **ARE HIGH LEVEL ALARMS WORKING?**
- **ANY OBVIOUS SIGNS OF SPILLAGE?**
- **IS CORROSION PROTECTION WORKING?**
- **IS LEAK DETECTION WORKING?**

DRUM STORAGE AREAS

- **ARE DRUMS STORED IN CONTAINMENT?**
- **IS CONTAINMENT DRAINAGE LOCKED?**
- **IS WATER PRESENT IN CONTAINMENT?**
- **IS TRASH PRESENT IN CONTAINMENT?**
- **ARE VALVES TO DRUM LOCKED?**



ANATOMY OF A SPILL

NEW YORK HARBOR: BETWEEN 1987 AND 1991, 2M GALLONS OF OIL SPILLED

7.9% CAME FROM SHORESIDE HANDLING FACILITIES

- ONE-THIRD OF ALL SPILLS WERE A RESULT OF HUMAN ERROR
- ONE-FOURTH WERE THE RESULT OF EQUIPMENT FAILURE (mainly HLAs)
- ONE-SIXTH WERE THE RESULT OF STRUCTURAL FAILURES

TANK COORDINATOR RESPONSIBILITES

- MAINTAIN STORAGE TANK OPERATING FILE
- INCLUDE SPILL REPORTS, INSPECTIONS, BASE ORDER, TANK DIAGRAM, AND SPILL REPORTING PROCEDURES
- ALSO CAN INCLUDE WATER INSPECTION PROCEDURES, AND FUELS DEPARTMENT CONTACTS
- NOTIFICATION OF INSTALLATION OF TEMPORARY OR TAFDS REFUELING SYSTEMS
- COMPLETE INSPECTIONS

CNB RESPONSIBILITIES

- INSPECT UNITS/TENANT COMMANDS
- LIAISON WITH REGULATORS
- NOTIFY REGULATORS IF SPILL OCCURS
- PROVIDE TRAINING/ASSISTANCE TO UNITS

IN CASE OF A SPILL

- CONTACT BASE FIRE DEPT (PHONE NUMBER)
- CONTACT COMNAVBASE DUTY OFFICER (PHONE NUMBER)
- CONTACT ENVIRONMENTAL ENVIRONMENTAL OFFICE (PHONE NUMBER)
- CONTAIN SPILL THEN CALL
- SUBMIT SPILL REPORT
- IF POSSIBLE, DO NOT LET SPILL ENTER DRAIN, DITCHES, OR STANDING WATER (STREAMS, ETC.)