INLAND WATER
OIL SPILL REMOVAL ORGANIZATIONS
(OSROs)

THE NEED FOR INLAND ENVIRONMENT OSROs
IN THE WESTERN UNITED STATES

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FIGURE 1

U. S. COAST GUARD COTP AND ACC COVERAGE

[Map showing coverage areas for COTP and ACC with symbols for different types of locations]
REFINERY LOCATIONS IN THE U. S.

CURRENT USCG COVERAGE AREA

MISSISSIPPI RIVER
CRUDE OIL PIPELINE LOCATIONS IN THE U. S.
U. S. PIPELINES AND FACILITIES

IN 2005
5.3% OF ALL SPILLS WERE PIPELINES
PIPELINES CARRY 69.3% OF TRANSPORTED OIL

REASONS FOR PIPELINE FAILURE:
40% STRUCTURAL
29% THIRD PARTY

46% OF PIPELINES ARE OVER 30 YEARS OLD
16% ARE OVER 50 YEARS OLD
2% ARE OVER 70 YEARS OLD

36% OF ALL SPILLS WERE FIXED FACILITIES
VULNERABILITIES

PIPELINE CROSSINGS

INLAND REFINERIES

THIRD PARTY INCIDENTS

NUMBER OF INLAND SPILLS

60% OF ALL SPILLS OCCUR INLAND

NATIONAL TREASURES IN WESTERN U.S.A.

GRAND CANYON
LAKE POWELL
YELLOWSTONE NAT’L PARK
GREAT SALT LAKE
GLACIER NAT’L PARK
ISSUES FACED BY WESTERN COMPANIES THAT NEED OSROs

LOCATED OUTSIDE COTP/ACC CIRCLES

OSRO RESPONSE TIMEFRAMES ARE TOO LONG

EPA and PHMSA REQUIRE A CLASSIFIED OSRO UNDER CONTRACT AND LISTED IN FRP

MUTUAL AID ORGANIZATIONS PROVIDE LIMITED HELP AND RELIABILITY
POSSIBLE WAYS TO CREATE MORE INLAND OSROs

ADD ALTERNATIVE CITIES IN INLAND AREAS

ENCOURAGE EXISTING CONTRACTORS TO INVEST IN SPILL RESPONSE EQUIPMENT AND TRAINING

EDUCATE COMPANIES IN THE SELECTION OF THE CORRECT OSRO FOR THEIR NEEDS
POSSIBLE ALTERNATIVE CITIES

UTILIZE CITIES WHERE THE EPA OR DOT PHMSA ALREADY HAS A PRESENCE TO CREATE NEW CLASSIFICATION CITIES CONTROLLED BY EPA/PHMSA CALLED ALTERNATIVE CLASSIFICATION CITIES (ACCs)
POSSIBLE ALTERNATIVE CLASSIFICATION CITIES

Great Falls, MT  Boise, ID  Casper, WY  Phoenix, AZ
Williston, ND  Salt Lake City, UT  Denver, CO  Amarillo, TX
Albuquerque, NM  Kansas City, KS  Sioux Falls, SD  Reno, NV
                                          Oklahoma City, OK

Possible Alternative Classification Cities
- COTPs
- ACCs
- High Volume Ports
POSSIBLE WAYS TO CREATE MORE INLAND OSROs

ENCOURAGE EXISTING CONTRACTORS BY:

DEMONSTRATING THE NEED FOR INLAND OSROs

HAVE COMPANIES AND POTENTIAL OSROs WORK TOGETHER TO MEET AN RP’s EQUIPMENT REQUIREMENTS

AND

FIND OTHER JOBS THAT CONTRACTORS CAN DO FOR RP’S TO HELP SUPPORT THE OSRO INVESTMENT
INLAND RIVER BOOMING LOCATIONS

ARIZONA
Colorado  Salt
Agua Fria  Gila

COLORADO
Arkansas  Fountain
Colorado  South Platt

NEW MEXICO
Rio Grande

NEVADA
Colorado
Truckee

UTAH
Weber

NORTH DAKOTA
Missouri
Red River
OKLAHOMA
Cimarron

WYOMING
Popo Agie
Little Wind
Green
North Platt
Shoshone
Wind

MONTANA
Clark Fork
Yellowstone
Sun
Teton
Missouri
Marias
Bitterroot
EQUIPMENT DIFFERENCES

INLAND ENVIRONMENTS NEED:

SMALLER BOOM

INLAND

COASTAL
EQUIPMENT DIFFERENCES

INLAND ENVIRONMENTS NEED:

SMALLER SKIMMERS

INLAND

COASTAL
APPROACHES TO INLAND WATER SPILLS
BANK TO BANK CASCADE ANCHOR SYSTEM
APPROACHES TO INLAND WATER SPILLS
BRIDGE TO BANK CASCADE ANCHOR SYSTEM
APPROACHES TO INLAND WATER SPILLS
BUOY TO BANK CASCADE ANCHOR SYSTEM
OBSERVATIONS

MANY CURRENT COASTAL OSROs ARE TOO FAR AWAY TO REACH MANY INLAND COMPANIES IN A TIMELY MANNER

US COAST GUARD RESPONSIBILITIES DO NOT INCLUDE MOST INLAND AREAS

UNDER OSRO GUIDELINES, OSROs CAN BE CLASSIFIED FOR RIVERS & CANALS WITH BOOM OF 18” (6” X 12”)
OBSERVATIONS

BOOM MANUFACTURERS REFER TO SMALLER BOOM AS “SWAMP BOOM” OR “CALM WATER” BOOM.

THEY DO NOT KNOW HOW TO DEPLOY IT NOR HAVE THEY SEEN IT DEPLOYED IN FAST WATER ENVIRONMENTS.
OBSERVATIONS

EPA/PHMSA ARE CONTINUING TO USE USCG OSRO GUIDELINES FOR RIVERS, CANALS, AND LAND SPILLS.

(INCLUDING NON-NAVIGABLE AND DAMMED WATERWAYS, AND THOSE WITH NO COMMERCIAL BOAT TRAFFIC)
OBSERVATIONS

USCG, EPA AND PHMSA ARE WORKING TO ESTABLISH ALTERNATIVE CLASSIFICATION CITIES TO COVER THE INLAND U. S.
RECOMMENDATIONS

USCG, EPA AND PHMSA PROVIDE EDUCATION AND RECOMMENDATIONS TO FACILITY RESPONSE PLAN HOLDERS ON OSRO SELECTION FOR RIVERS AND CANALS AND INLAND ENVIRONMENTS.
RECOMMENDATIONS

A NUMBER OF COMPANIES CLAIM THAT THEY ARE OSROs.

RPs NEED TO REQUEST THE CLASSIFICATION LETTER ISSUED BY THE US COAST GUARD AND NOTE THE LOCATION, COMPANY NAME, AND TYPE OF EQUIPMENT.
RECOMMENDATIONS

COMPANIES DEVELOP GEOGRAPHICAL RESPONSE PLANS AS A PART OF FACILITY RESPONSE PLANS AND REGIONAL PLANS.
RECOMMENDATIONS

DEVELOP

“CONSIDERATIONS PAGES”

AS A PART OF

OSRO GUIDELINES

TO AID RPs OBTAIN

EQUIPMENT AND TRAINING

TO MEET THEIR NEEDS
RECOMMENDATIONS

“CONSIDERATIONS PAGES” WOULD INCLUDE:

1. CHARACTERIZATION OF A SPECIFIC ENVIRONMENT (I.E. EXTREME COLD WEATHER)

2. TYPES OF EQUIPMENT RECOMMENDED

3. STANDARD OPERATING PROCEDURES WITH TIE-INS TO FACILITY RESPONSE PLANS

4. TRAINING NEEDED

5. OTHER ITEMS AS APPROPRIATE
RECOMMENDATIONS

POSSIBLE “CONSIDERATIONS PAGES” INCLUDE:

FAST CURRENT/SHALLOW WATER ENVIRONMENTS

EXTREME COLD WEATHER

SPILLS ON LAND

PRE-STAGING EQUIPMENT

SINKING OIL
RECOMMENDATIONS

“CONSIDERATIONS PAGES” NOT BEING CONSIDERED:

IN-SITU BURNING

DISPERSANTS

BIODEGRADATION
CONCLUSION

NEED ACCs IN PLACE

NEED EPA/PHMSA TO TELL RPs WHEN THEIR OSRO CHOICE IS INCORRECT

REDUCE BOOM SIZE TO 12”/10” FOR RIVER & CANALS OSRO CLASSIFICATION

NEED TO DEVELOP GEOGRAPHICAL RESPONSE PLANS FOR ALL WATERWAYS

DEVELOP “CONSIDERATION PAGES” AS PART OF OSRO GUIDELINES