INLAND WATER OIL SPILL REMOVAL ORGANIZATIONS (OSROs)

THE NEED FOR INLAND ENVIRONMENT OSROs IN THE WESTERN UNITED STATES

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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 CANYONLAKE POWELLYELLOWSTONE NAT'L PARKGREAT SALT LAKEGLACIER 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 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





EQUIPMENT DIFFERENCES

INLAND ENVIRONMENTS NEED:

SMALLER BOOM







INLAND

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")



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.



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)



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.



DEVELOP

"CONSIDERATIONS PAGES"

AS A PART OF

OSRO GUIDELINES

TO AID RPs OBTAIN EQUIPMENT AND TRAINING

TO MEET THEIR NEEDS



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



"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