State of Coastal OSRO’s
And Their Survival
Freshwater Spills Symposium
April 6, 2004
John Temperilli
Number of Spills by Coast Guard
8th District
1973 - 2000
Volume of Spills by Coast Guard
8th District
1973 - 2000
Summary of Reported U.S. Oil and Natural Gas Industry Environmental Expenditures on Remediation and Spills: 1990-2001 (in millions of dollars)
Etkin Oil Spill Graph

Gallons


Years
SALES TRENDS
OIL SPILLS

1998: 39%
1999: 30%
2000: 69%
2001: 43%
2002: 30%
2003*: 20%
SALES TRENDS
HAZ MAT

20% 14% 7% 12% 6% 15%

1998 1999 2000 2001 2002 2003*
SALES TRENDS
DISASTER RESPONSE

![Bar chart showing sales trends in disaster response from 1998 to 2003. Key years and their percentages are as follows:
- 1998: 16%
- 1999: 13%
- 2000: 4%
- 2001: 8%
- 2002: 38%
- 2003* (estimated): 4%]
SALES TRENDS
ALL ER SERVICES

1998  1999  2000  2001  2002  2003*

73%  57%  80%  63%  75%  40%
SALES TRENDS
DISMANTLING

- 1998: 4%
- 1999: 8%
- 2000: 2%
- 2001: 11%
- 2002: 6%
- 2003*: 30%
SALES TRENDS
OTHER SERVICES

22% 17% 26% 19% 37% 0% 10% 20% 30% 40% 50%

1998 1999 2000 2001 2002 2003*
- Central Air & Heat
- Self-Contained
- Restroom
- Fax Machine
- Computer w/Color Printer
- Two-Way Radio w/Portable Repeater
- Diesel Generator
- Satellite TV
- Microwave
- GPS Units
- Water Heater
- Refrigerator
- Operations Area
- Conference Room
- Shower
- Satellite Telephone
- Digital Camera
- Telephone System w/Intercom
FACT

WE CANNOT PLAN OUR GROWTH ON EMERGENCY RESPONSE BUSINESS
GARNER
The Solution to Sewer Cleaning
DEWATERING DIVISION

WHAT IS IT??

A PATENTED PROCESS & EQUIPMENT THAT CLEANS LARGE DIAMETER PIPES AND REMOVES GRIT & DEBRIS FROM VESSELS WITHOUT TAKING THE SYSTEM OUT OF SERVICE.

• THE GRIT GATOR
• THE SEWER HOG
• THE PIT PANTHER
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BOLIVIA

Transredes Pipeline

Oil Spill Response at 15,000 feet
VENEZUELA - PUERTO DE LA QUaira

Disaster Response
HAZMAT Emergency in the Port of La Guaira

The Venezuelan Floods – December 1999
More than 250,000 persons homeless.
30,000 – 50,000 dead,
April 2000 – project completed under budget and ahead of schedule. Over 300 shipping containers removed. Over 250 different chemical types tested. Over 1500 chemical containers isolated and segregated. More than 120,000 cubic meters of mud and debris sampled, tested, excavated and removed.
Disaster Response Operations

The Emergency Response Company
NYC DEPARTMENT OF SANITATION
FRESH KILLS LANDFILL

FOLLOW SIGNS TO AREAS BELOW:
- PLANT #1 INFORMATION CENTER
- PLANT #1 SECTION 1/9
- MARINE UNLOADING
- MULDOON LANDFILL INFORMATION CENTER
- MULDOON SECTION 2/8
- HOUSEHOLD DISPOSAL AREA
- ASBESTOS DISPOSAL AREA
- COMPOST FACILITY
- BUREAU OF MOTOR EQUIPMENT
- FRESH KILLS STORE ROOM
AS AN OSRO, Where Do We Go From Here?

- Experienced Personnel Skill Sets?
- Necessary Specialized Response Equipment?
- Interagency and Inter-company Relationships?
- Experience & Performance Track Record