

*Excellence in Environmental &
Emergency Solutions*

NRC Corporate Overview

**Regional Response Team 5 (RRT5)
Cleveland, OH
November 5-6, 2013**



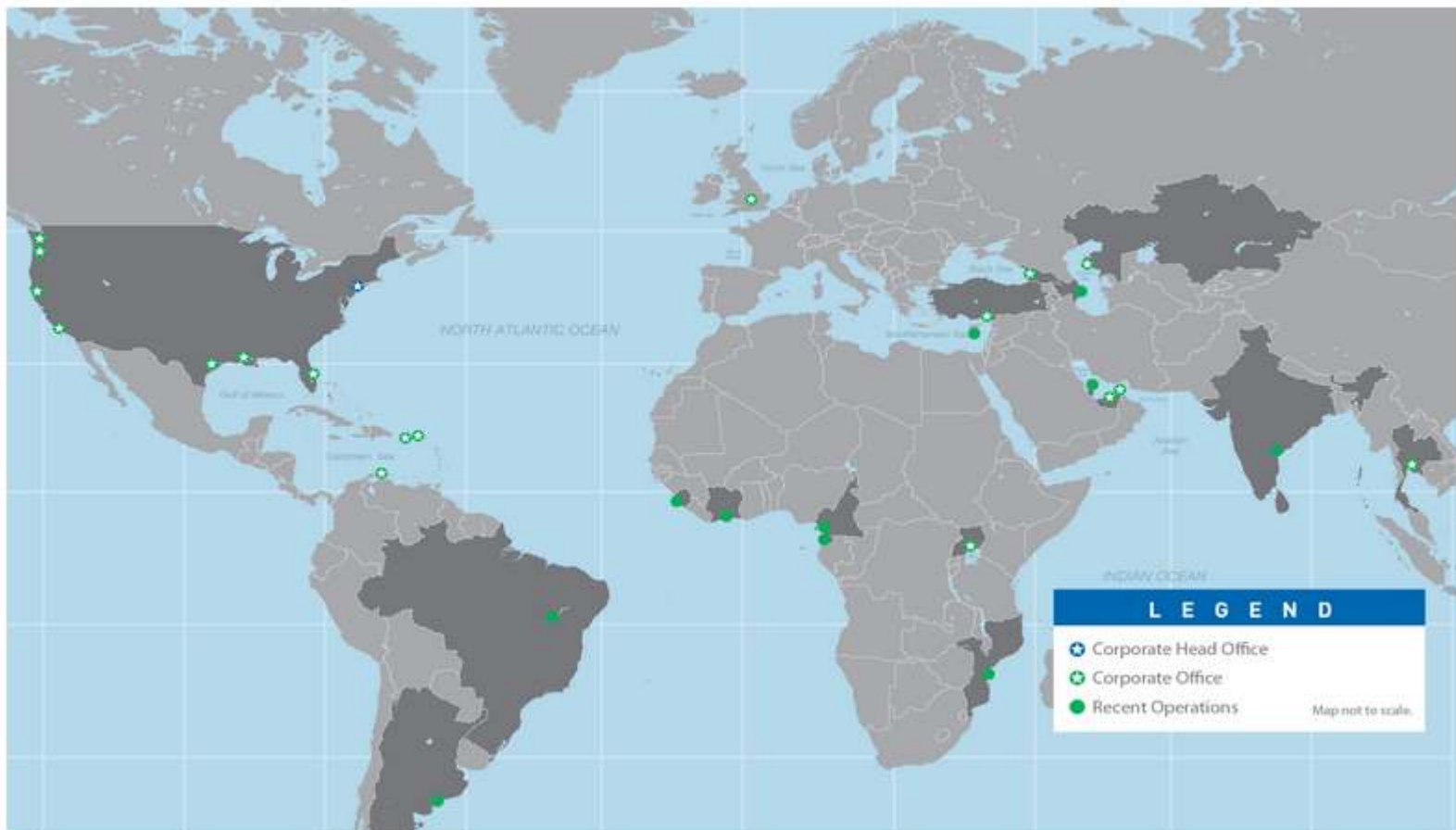
NRC Customer Base

Servicing:

- Petroleum and Dry Cargo Shipping
- Oil Refining, Marketing & Distribution
- Oil & Gas Exploration and Production
- Pipeline Operators
- Power Generating
- Aviation and Rail Industries
- Government & Military via B.O.A



NRC Operating Theatres



A Few of our Clients



NRC at a Glance...

- Highest Level of USCG OSRO Classification
- Largest Commercial Equipment Stockpiles
- Offshore Marine Fleet
- Marine Resource Network for Additional Offshore Assets
- Vast Independent Contractor Network (ICN)
- Contractual Agreements with all ICNs
- Immediate Access to Contracted Response Equipment
- Extensive ER & Project Management Experience
- Logistical Support Services
- Equipment Procurement Services



NRC's Role in Support to Client Events

NRC Response for Emergency Response Events:

- Prolonged operations for ER events
- NRC – Primary OSRO for Responsible Party (Client)
- Management of multiple ICNs
- NRC owned and contracted resources used on the responses
- Equipment stockpiles from within response region



Emergency Response Services

OSR – Offshore

NRC responds to both **marine** and **land-based** oil spill incidents, adapting the response to meet specific operational requirements.

Specialized Offshore Equipment

- Oil Spill Response Vessels (OSRV)
- Oil Spill Response Barges (OSRB)
- Ocean and Inland Boom
- Large Capacity Skimming Systems
- Floating and/or Deck Storage
- Dispersant & Spray Systems
- Fire Boom
- Temporary storage



Emergency Response Services

OSR – Onshore

Onshore

- Support Services
 - Incident Response
 - Incident Management
 - Recovery & Clean-up
 - On-Site Incident Management Team Support
 - Logistical Support
 - Waste Management
 - Site Remediation
 - Equipment Procurement/Sales



NRC Response Resources

- Oil Spill Response Vessels
- Oil Spill Response Barges
- Dispersant Planes
- Work Boats
- High Capacity Skimming Systems
- Shallow Water Portable Barge Sets
- Ocean and Inland Boom
- Vacuum Transfer Units
- Mobile Communications Units
- Yellow Iron & Land Based Equipment



NRC & ICN Response Equipment Locations



NRC Resources



ICN Resources

OSRO Compliance Services Offered

NRC offers OSRO response capability required to satisfy the following response planning requirements:

- Average Most Probable Discharge (advance request required)
- Maximum Most Probable Discharge
- Worst Case Discharge
- Shallow Water Response Capability
- Shoreline Protection and Cleanup
- Dispersants
- LAPIO Group V(submerged oil) Recovery

Oil Spill Response services are provided in all Captain of the Port (COTP) zones in the U.S. (Alaska is considered supplemental)



Operating Environments

- OSRO Services are Offered in all U.S. Coast Guard Operating Environments:
 - Port Areas
 - Rivers and Canals
 - Great Lakes
 - Inland
 - Nearshore
 - Offshore
 - Open Ocean



NRC Independent Contractor Network (ICN)

Provides access to:

- National network of response professionals
- Pre-staged response and remediation equipment available and on-call 24/7 365 days a year

Consists of:

- 140 + contractor companies
- Over 550 locations nationwide
- More than 5,000 trained personnel
- More than 9,000 pieces of response equipment
- Vetted and contracted to NRC via signed ER agreement



NRC Independent Contractor Network (ICN)

Located in Region 5 – Indiana, Michigan, & Ohio

- Clean Harbors Environmental Services
- Environmental Management Specialists Inc.
- Environmental Restoration LLC
- EQ Industrial Services
- Evergreen Environmental Services, Inc.
- Future Environmental, Inc.
- Heritage Environmental Services Inc.
- Hulcher Services, Inc.
- Mackinac Environmental
- Marine Pollution Control (MPC)
- Mid America Fuels
- National Industrial Maintenance, Inc.
- Northstar Recovery Services
- OSI Environmental, Inc.
- SET Environmental, Inc.
- Southern Waste Services Inc.
- Sunpro Services
- Summit Environmental Services
- Veolia Environmental Services
- Weavertown Group



NRC & ICN Response Equipment

USCG/EPA Region 5

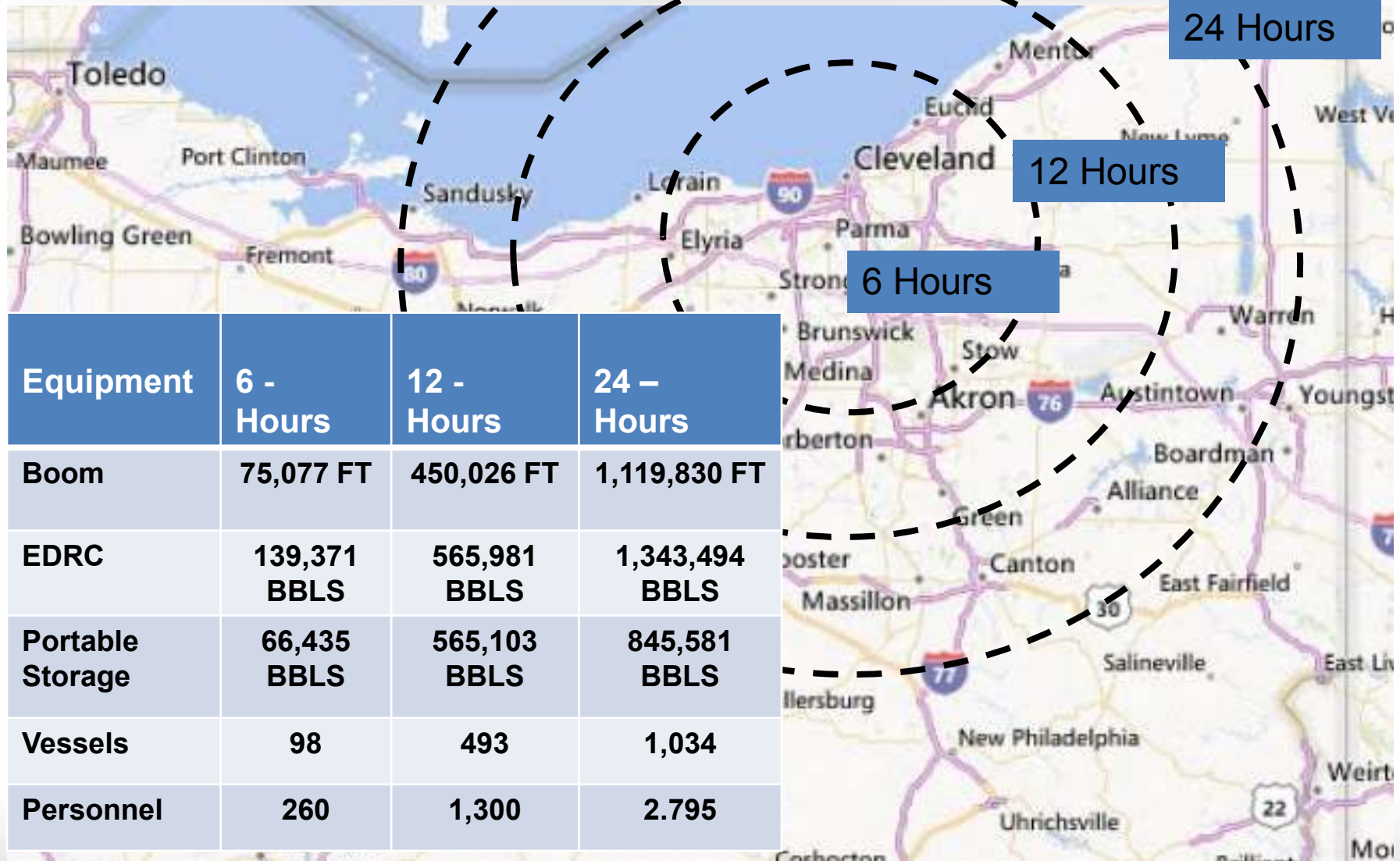


NRC & ICN Response Equipment

USCG/EPA Region 5 – Cleveland, OH



Response Equipment Within 6 to 24 Hours of Cleveland, OH



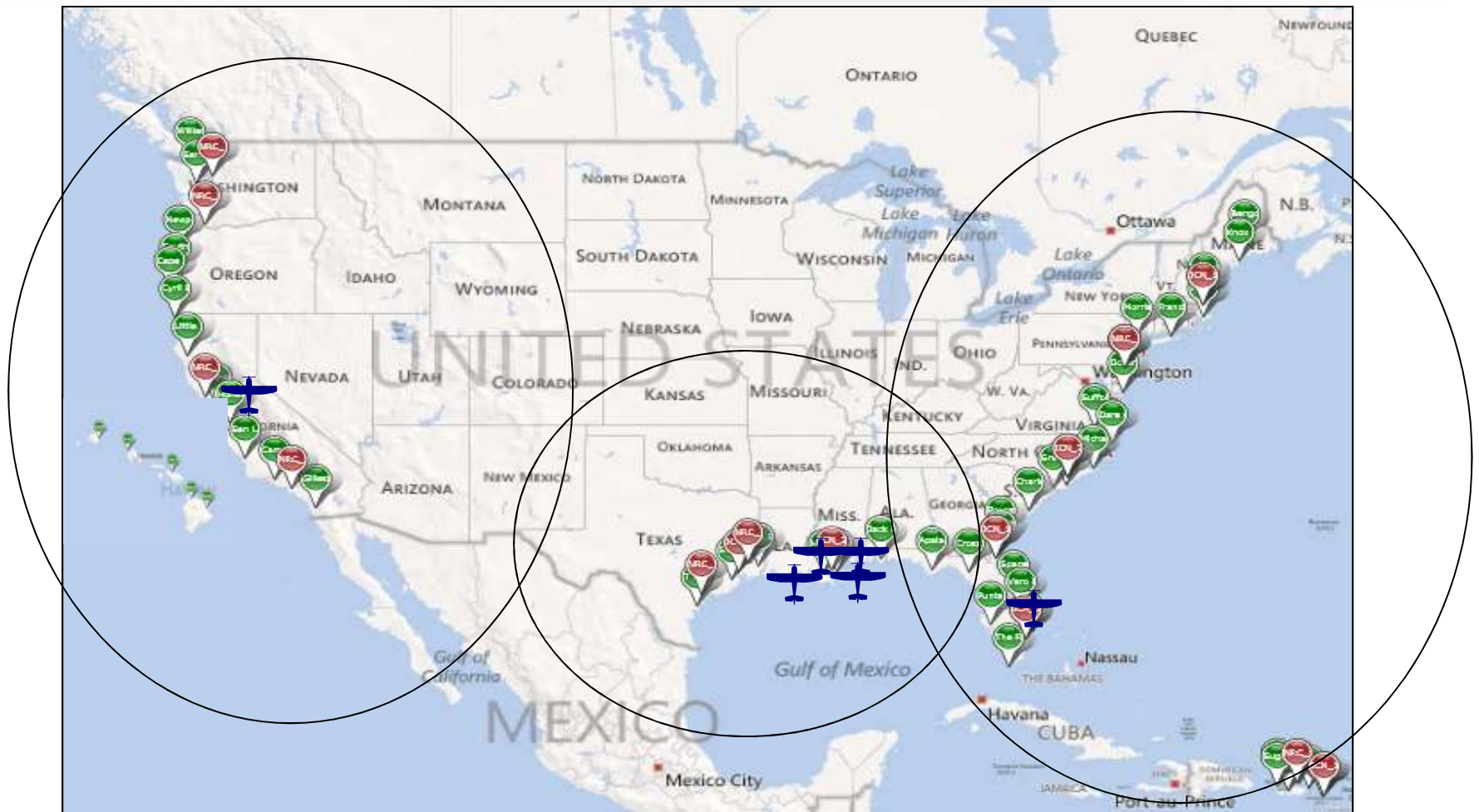
NRC Dispersant Aircraft Inventory

(CAPS Dispersant Requirements – Feb., 2011)

Location of Dispersant Aircraft	Type of Aircraft	Storage Capacity	Quantity
Houma, LA	DC - 4	2,100 gal	1
	DC - 3	1,200 gal	2
	Basler BT 67	2,000 gal	1
Atwater, CA	DC - 4	2,100 gal	1
Opa-locka, FL	DC - 6	3,310 gal	1
TOTAL AIRCRAFT			6



Aircraft Inventory & Staging Bases



 Spray Aircraft Locations  Dispersant Locations  Aircraft Staging Bases

International Operations Center (IOC)

24-Hour Emergency Line

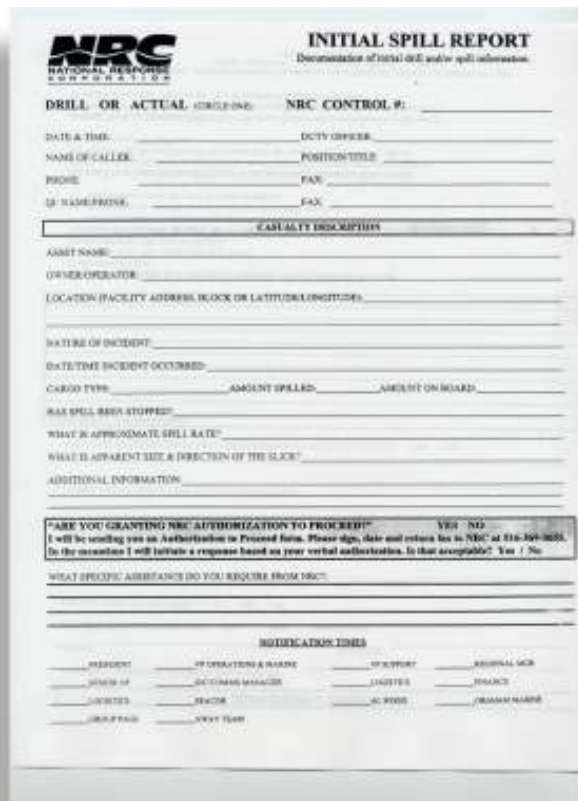
1 (631) 224-9141

1 (800) 899-4672

- Duty Officers on watch
24 hrs/day, 365 days/year
- Dedicated Emergency Spill Line
(800) 899-4672
(631) 224-9141, Ext. 0
E-Mail: iocdo@nrcc.com
- Focal point for activation, documentation, tracking and mobilization of resources
- The nerve center of an operation and primary Command Center for coordination of response activities



Emergency Response Activation Process



NRC
NATIONAL RESPONSE CENTER

INITIAL SPILL REPORT
Documentation of initial spill and/or spill information.

DRILL OR ACTUAL (CIRCLE ONE) _____ NRC CONTROL #: _____

DATE & TIME: _____ DUTY OFFICER: _____

NAME OF CALLER: _____ POSITION/TITLE: _____

PHONE: _____ FAX: _____

DE NAME/PHONE: _____ FAX: _____

CASUALTY DESCRIPTION

ASSET NAME: _____

OWNER/OPERATOR: _____

LOCATION (FACILITY ADDRESS, BLOCK OR LATITUDE/LONGITUDE): _____

NATURE OF INCIDENT: _____

DATE/TIME INCIDENT OCCURRED: _____

CARGO TYPE: _____ AMOUNT SPILLED: _____ AMOUNT ON BOARD: _____

HAS SPILL BEEN STOPPED? _____

WHAT IS APPROXIMATE SPILL RATE? _____

WHAT IS APPARENT SIZE & DIRECTION OF THE SLICK? _____

ADDITIONAL INFORMATION: _____

"ARE YOU GRANTING NRC AUTHORIZATION TO PROCEED?" YES / NO

I will be sending you an Authorization to Proceed form. Please sign, date and return fax to NRC at 516-361-9855. In the meantime I will initiate a response based on your verbal authorization. Is that acceptable? Yes / No

WHAT SPECIFIC ASSISTANCE DO YOU REQUIRE FROM NRC? _____

NOTIFICATION TIMES

____ PRESENT	____ SP OPERATIONS & PLANNING	____ SP REPORT	____ REGIONAL MGR
____ SENIOR VP	____ DC/CONTINGENCY MANAGER	____ LOGISTICS	____ FINANCE
____ CUSTOMER	____ SENIOR	____ AC/REG	____ REGIONAL MGR
____ GROUP/TEAM	____ SVT/TEAM		

- Qualified Individual notifies NRC that a spill has occurred
- NRC Duty Officer fills out Initial Spill Report
- Provide QI with ATP (Authorization to Proceed)
- IOC Contacts NRC Regional Manager (RM) and NRC Emergency Response Team (ERT)
 - Briefs on situation
 - IOC facilitates contact with QI
 - Regional Manager en route to Facility or spill site
 - Constant contact with IOC and QI
 - Area ICN contractors contacted and notified
 - IOC notifies NRC Emergency Response Teams



Emergency Response Activated



AUTHORIZATION TO PROCEED

Client authorization of NRC services.

I hereby acknowledge receipt of National Response Corporation's rate schedule effective 18 February 2009, which is also posted on NRC's webpage (<http://www.nrc.com>), and hereby authorize National Response Corporation to provide goods and services for this job and also accept the terms of the rate schedule set forth and agree to pay according to said schedule any and all monies due and owing within ten (10) days from invoice date.

I understand that a finance charge of 1 1/2% per month, which is an annual percentage rate of 18%, will be charged on all past due accounts.

In addition, I authorize NRC to arrange for disposal on my behalf, consistent with the following terms:

I will be responsible for all collection cost on past due accounts, inclusive of attorneys fees.

JOB LOCATION:

JOB DESCRIPTION: Provide CSRD Services as Requested

AUTHORIZED SIGNATURE:

PRINTED NAME:

TITLE:

ORGANIZATION:

DATE:

NRC CONTROL #:



- NRC begins mobilization & deployment of equipment & personnel
- Initial assessment team on site
- QI is briefed
- Situation Room set up at NRC headquarters
 - NRC begins assessment of incident
 - Mapping of area
 - Check weather tides & currents
 - Provides assessments to Client QI
 - Passes duties to NRC's ERT
- NRC RM & ERT on site working with first responders and Client's SMT

Drills and Equipment Deployment – PREP

August, 2013

Rogers City, MI

Objective: Prevent oil from spreading from terminal turning basin to Lake Michigan

Equipment staged:

9000' 18" boom, two drum/disc skimmers,
100 bbl towable bladder, two - 24bbl pillow tanks
Two fast response trailers and one 53' van trailer

- 1000' boom deployed
- NRC Drum/Disc Skimmer
- Hydraulic Power Unit
- Two 24bbl Pillow Tanks
- Client, multiple local contractor support
- Training on equipment along with SMTTX



2012, Wellington, Ohio – Case Study Pipeline Rupture and Gasoline Spill

Wellington, OH 2012

- A underground pipeline leaked 125,000 gallons of gasoline into White Ditch
- Evacuation of Residents in Spill Zone
- Local FD stopped spill downstream by creating an underflow dam to prevent product from entering Black River and possibly Lake Erie
- Multi-agency Response – FD, EPA, OH EPA, County, and Numerous Response Contractors
- 530 Tons of Contaminated Soil Recovered
- Constant Air Monitoring for Vapors and Odor
- Cold weather operations



2012, Wellington, Ohio Case Study – Objectives

- Control the Source
- Keep Spill from Entering Navigable Waterway
- Remove Product from Impacted creek banks
- Remove Product from White Ditch
- Advise client on best practices



2012, Wellington, Ohio

Case Study – Spill Obstacles

- Cold Weather
- Shallow Water
- Heavy Sheening from Creek Banks
- Access to Ditch and Concern for Damage to River Banks
- 24-Hour Operations



2012, Wellington, Ohio Case Study – Spill Operations

- Recovery/ Soil,
Oily Water, Debris
- Sorbents
- Boom
- Vac Trucks
- Aeration
- Water Management
- Decon



2012, Wellington, Ohio Case Study – NRC's Role

- Manage Response Operations & Contractors
- Field Support
- Advise RP on Response Operations
- Develop Incident Action Plan
- Liaison with Regulatory Agencies
- Allow RP Facility Personnel to Return to their Day-Job and Return to Normal Operations ASAP



2009 Cygnet, Ohio Pipeline Rupture and Crude Oil Spill

Cygnet, Ohio February 2009

- A underground pipeline rupture caused 27,300 gallons of crude oil to spill into the Rocky Ford and Portage Rivers
- 12 miles of river affected
- Concern that oil would reach Lake Erie
- Shutdown of major pipeline feed from Ohio to Michigan – 140,000 bbls per day
- NRC provided supervisory personnel and 50 additional contractors
- Cold weather operations
- Difficult access to river and concern of damage to river bank
- “Thermal bank remediation” of creek bank, approved by EPA



Quebec, Canada

Pipeline Failure and Bunker Spill

Quebec, January 28, 2008

- A flange and pipeline failure caused 50,000 – 60,000 gal of bunkers to discharge into a field and adjoining creek
- No detection of leak within first few days
- Local homeowner complained of odor
- Facility response personnel and contractors notified
- Weather and Working Conditions:
 - Average Day = 18 - 25 Fahrenheit
 - Average Night = 4 - 18 Fahrenheit
 - Three snow storms with +10 inches
 - Light snow every day
 - Some oil trapped between layers of ice
 - Steam and hot water boilers invaluable



Questions



National Response Corporation

National Response Corporation

24 Hour Emergencies

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www.nrcc.com

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