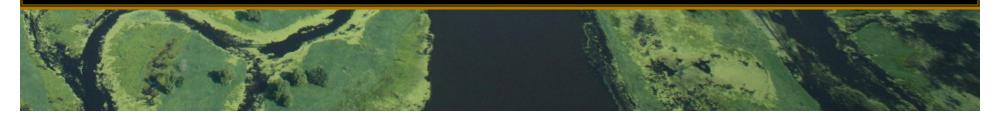


Upper Mississippi River Preparedness Efforts: Geographic Response Plans, Initial Incident Action Plans, and La Crosse Functional Exercise

Upper Mississippi River Hazardous Spills Coordination Group



Presentation to Region 5/Region 7 Joint RRT Meeting – St. Charles, Missouri – 4/23/2015

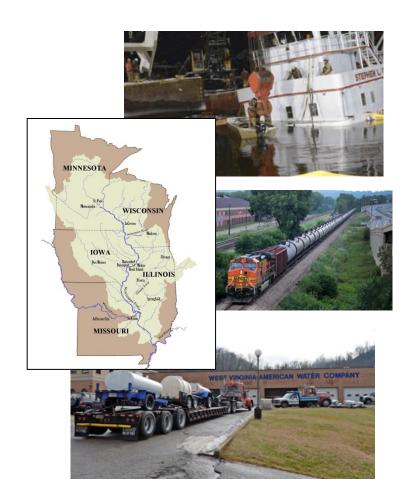


Presentation Overview

- Introduction Tom Kendzierski, Wisconsin DNR (UMR Spills Group Chair)
- Geographic Response Plans and Incident
 Action Plans Ann Whelan, US EPA
- La Crosse Functional Exercise Process and Outcomes – David Morrison, Minnesota PCA
- Questions and Discussion

Introduction

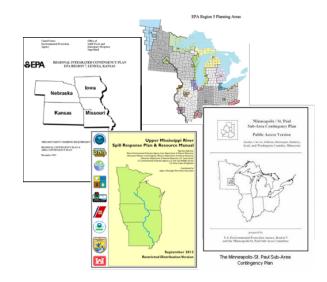
- Updates on recent collaborative preparedness efforts on the Upper Mississippi River (UMR)
- In particular:
 - Development of geographic response plans (GRPs), including initial incident action plans (IAPs)
 - La Crosse, Wisconsin functional exercise (oil release from rail, UMR Pool 8)
- Relevant in light of recent events and upcoming training/exercises



UMR GRPs- Background

Before 2009 - Planning tools in place for the UMR/Region:

- Region/area plans (Region 5 and 7)
- Inland sensitivity atlases
- Sub-area plans
- UMR spill response plan
- Site-specific response strategies
- In light of spill events (and associated responses), identified a need for more geographically-focused planning efforts
- US EPA and USFWS initiated collaborative, inter-agency, inter-partner geographic response plans (GRPs)
- Began in the Upper Mississippi River National Wildlife and Fish Refuge (UMRNW&FR), focused on UMR "pools"





UMR GRPs- Background

What is a Geographic Response Plan (GRP)?

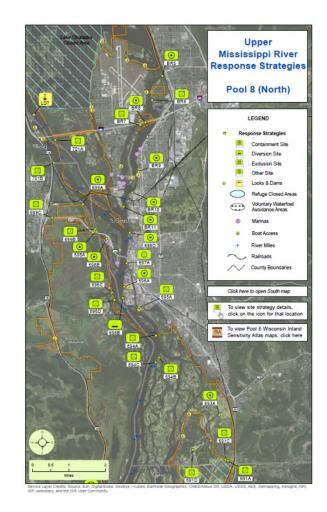
 A GRP is a location-specific strategy (or set of strategies) to help guide the initial response to a spill of oil or other hazardous materials

What is the purpose of a GRP?

 A GRP provides initial guidelines for responders in the event of spill, greatly reducing the time needed to make decisions about how to respond.

Why create GRPs?

 A GRP gives responders the information and guidance they need to ensure that response to a spill is fast and effective while protecting sensitive resources threatened by the spill.



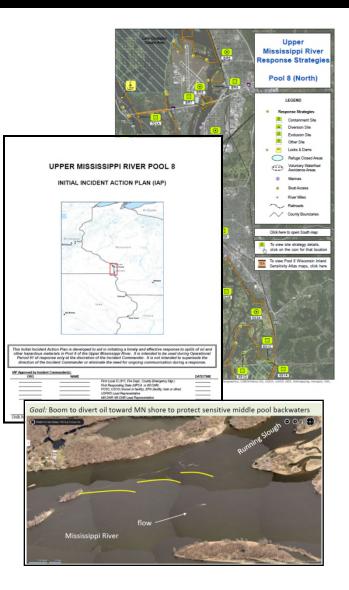
UMR GRPs- Evolution

UMR GRPs – Phase One

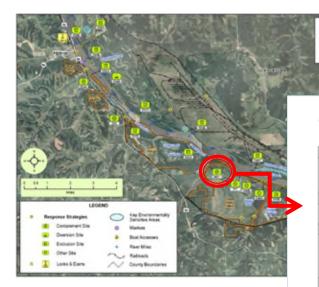
- Initial UMR GRPs focused primarily on sitespecific response strategies
- Also included description of the pool, inland sensitivity atlas maps, basic contact information, and tactics manual

UMR GRPs – Phase Two

- Add initial incident action plan (IAP)
- Better aerial illustration of response tactics
- Begin to cover areas outside of UMRNW&FR



UMR GRPs- Example Response Strategy



1) Overview Map Shows Strategies for Area



2) Selecting a strategy point leads to detailed description

1. DIVERSION (FOR CONTAINMENT AND COLLECTION Booming in a Stream

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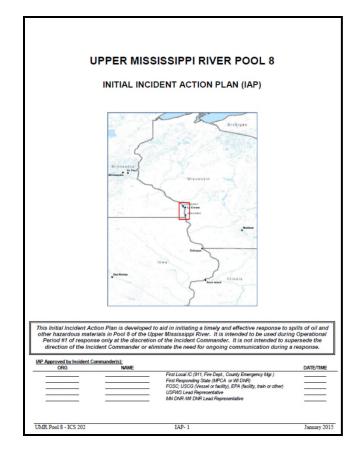
3) Can then link to tactics manual or aerial photo



UMR GRPs- Initial Incident Action Plan

Benefits of the initial Incident Action Plan

- Accelerate response process during first operational period
- Helps define roles
- Helps establish response objectives
- Provides detailed contact information
- Conforms to ICS process and protocols
- But... not a substitute for incidentspecific consultation and considerations



UMR GRPs- IAP Contents

Initial IAP Contents

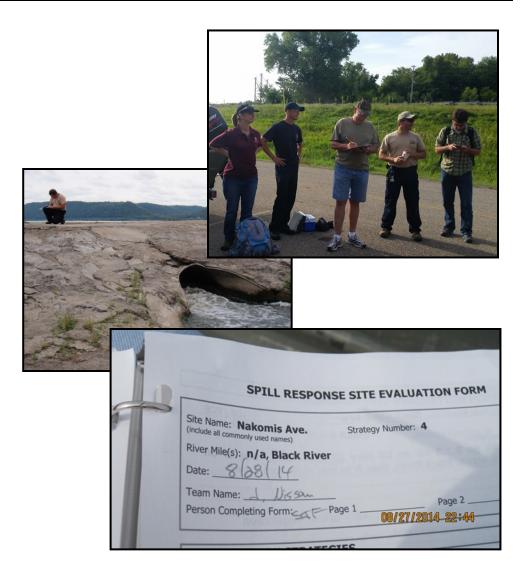
- Cover sheet and background
- Agency roles and responsibilities
- ICS forms (202, 204, 205, 206, 207, 214, 223, 234)
- IC organization chart
- Emergency contact list
- All forms are fill-able

UPPER MISSISSIPPI RIVER POOL 8	
INITIAL INCIDENT ACTION PLAN (IAP)	
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UMR Pool 8 - ICS 202 LAP-1 January 2015	
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GRP/IAP Development Process

Process Steps

- Identify participants: private, local, state, federal
- Conduct workshop(s)
- Conduct field assessment
- Review and finalize materials
- Create final product (CD)
- Six months to one year total timeline is typical
- The process can be as important as the product!



Final GRP Product

Plans



All materials on stand-alone CD, which includes:

Maps & Strategies Ipper Mississippi River BR1 – Black River at Bike Trail Pool 13 (North) esponse Strategies Overview Map Goal: Divert spilled product to collection point before it flows into Black River at Strategy Pages Oblique Aerial Imagery Tactics Manual Inland Sensitivity Atlas UPPER MISSISSIPPI RIVER POOL INITIAL INCIDENT ACTION PLAN (IAP Area-specific Incident Action 2. Plan (IAP) template /= • UMR plan and field guide ۹ Regional plans 121 **Supplemental Materials** UMR Pool & Geographic Re Resource overview document **Emergency Phone Numbers** Contact lists Habitat fact sheets 312) 353-2318 Navigation charts 800) 832-545

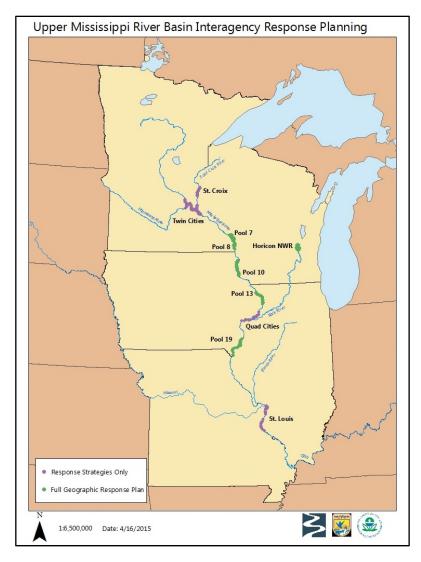
GRPs – Status and Next Steps

Status

- Have completed <u>full GRPs</u> for UMR Pools 7, 8, 10, 13, and 19; as well as Horicon Marsh
- <u>Response strategies only</u> for Twin Cities (UMR Pools 1 and 2, St. Croix River), St. Louis (Pool 27 and Open river), where full Sub-area Plans exist
- All these available on CD
- Adapted for use in recent UMR incidents

Next Steps

- Complete UMR Pools 5, 5a, and 6 (this year)
- Next UMR Pools 11 and 12
- Habitat and species fact sheets as companion tools
- Work on providing via RRT5 website (viewer), other venues in addition to CD
- Format can be shared with others if interested



La Crosse Functional Exercise – Background and Rationale

UMR Hazardous Spills Coordination Group Identified Needs:

- Test existing plans and tools (e.g., UMR Spill Plan, ISA maps)
- Support development of new ones (e.g., Pool 8 GRP/IAP)
- Bring together local, state, federal, and private sector partners
- Exercise specific capabilities and areas of concern; address emerging issues (environmental response, oil by rail)

Process and Timeline

- October 2013: UMR Spills Group decision to hold exercise(s)
- November 2013-March 2014: Tabletop planning
- April 16,2014: La Crosse tabletop (72 participants), interest in larger exercise
- May-September 2014: Functional exercise planning
- October 3,2014: Functional exercise, accompanied by training sessions on October 2nd and 4th

Functions Exercised

- Establish Incident Command including Unified Command
- Exercise the functions of a Wildlife Branch (wildlife reconnaissance, recovery, hazing)
- 3) Exercise the functions of an Environmental Unit (environmental assessment)
- 4) Successfully field deploy boom, testing the Pool 8 Geographic Response Plan
- 5) Test the functionality and interoperability of communications systems
- 6) Test draft Pool 8 initial Incident Action Plan

Additional Objectives

- Involve local agencies
- Engage industry
- Integrate US FWS and state natural resource agencies in response
- Respond to concerns regarding rail transportation of crude oil; explore response considerations for Bakken crude
- Simulate impact to high value natural resources (migratory waterfowl in UMRNW&FR)

Exercise Approach

- Host classroom training prior day (10/2) to share information, build skills, and "get the bugs out"
- Hold field training following day (10/4) to practice strategies and skills
- Include evening and weekend sessions to encourage local/volunteer participation
- Pre-populate ICS to facilitate testing of Unified Command
- Have both command post and field presence

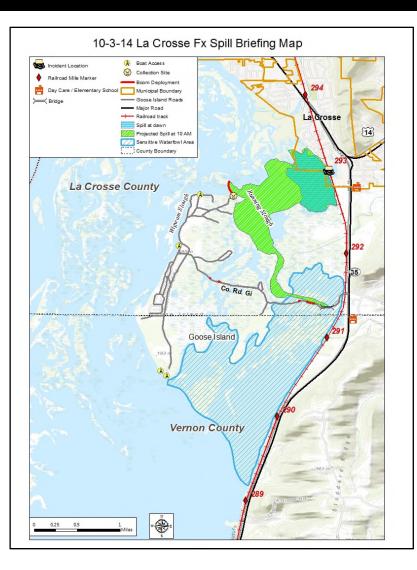
Participation

125 Total Participants

- 27 local (Fire, Police, EM, county, city)
- 21 state (IA, MN, WI DNR, PCA, HSEM, EM)
- 43 federal (EPA, FRA, FWS, NOAA, USDA, USCG, U.S. Marshal, CAP)
- 29 industry/private sector (BNSF, CP, OSROs, local facilities)
- 1 elected officials/staff (County Board)
- 1 citizen advocacy (CARS)
- 3 UMRBA staff

Event Scenario

- 5 rail cars spill Bakken crude, total of approximately 150,000 gallons released to river in Pool 8 on Wisconsin side
- Spill happens during the night, approximately 2 a.m.
- There is <u>not</u> a large fire associated with the spill
- Spill reaches river in Goose Island area; estimated 2,200 waterfowl congregated in area southeast of Goose Island
- Exercise begins at 8:00 a.m. the following morning, with local and private sector response in progress



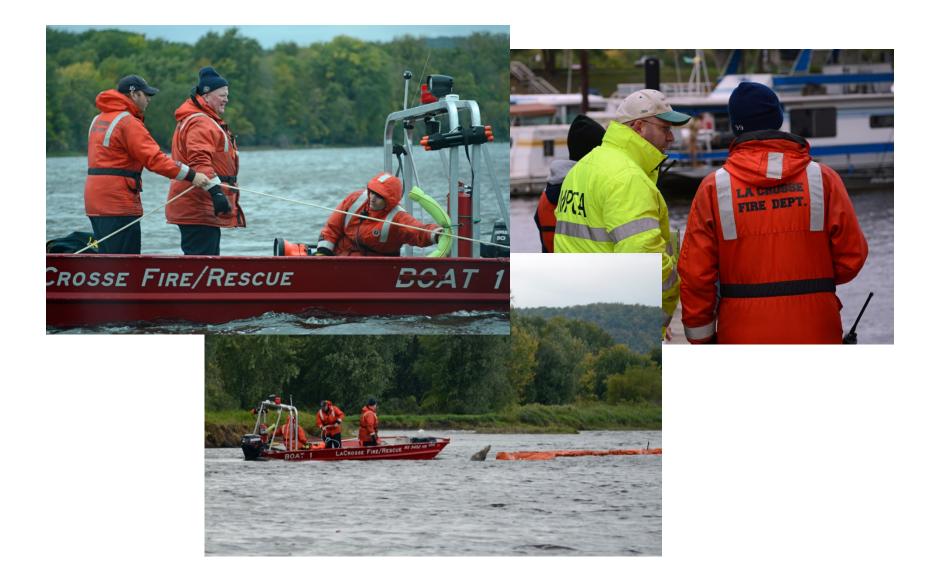
Initial Briefing



Incident Command



Field Activities



Field Activities



Public Information/Media



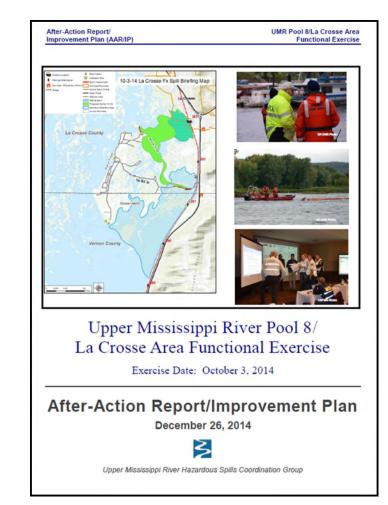
Strengths and Successes

- Broad participation, interaction and collaboration (local, state, federal, private sector)
- Effective, realistic simulation of events
- ICS quickly established
- Practical, hands-on ICS training
- Communications systems established and effective (WEM trailer key asset)
- Exposure to a wide variety of personnel and equipment (collection and containment, air monitoring, wildlife, communications)



Areas for Improvement

- Limited ICS readiness among some participants, lack of "practical" ICS training
- Underutilization of some personnel and assets
- Permit lacking for wildlife rehabilitator
- Few shoreline assessment-trained individuals
- Limited ability/readiness to discuss in-situ burning options
- Challenges associated with media engagement



Next Steps/Relevance

Related Next Steps

- Develop strategies/tactics/polices for in-situ burning on UMR and in UMRNW&FR
- Regional SCAT training
- Ongoing UMR-focused training
- Develop media tools and messages
- Assess/increase exercise planning capability in the region

Ongoing Relevance

- Relevance for recent incidents, ongoing concerns
- FEMA-sponsored exercise in La Crosse (June 2015)
- Other UMR exercises
- Exercise materials available at <u>www.umrba.org/haz-minutes.htm</u>



Upper Mississippi River Preparedness Efforts

Questions/Discussion