

FEMA REP Recovery Initiative Overview

REP Recovery Initiative Origin and Purpose

- Further integrate REP community into the use of core capabilities
- REP Program continuation of recovery-focused discussions
- Environmental shift to focus on recovery planning efforts
- Provide a non-evaluated platform to discuss ingestion, relocation, reentry, and return activities as it relates to an incident at an NPP



Past Events

Workshop/Seminars

- Region VII Recovery Seminar
- Region VI/Louisiana Recovery Seminar
- Region III/Maryland Recovery Seminar
- Waterford-3 Recovery Workshop
- Region VI/Texas Recovery Seminar
- Region V/Indiana Recovery Seminar
- Region IV/Alabama Recovery Seminar
- Region X/Washington Recovery Training
- Region V/Indianapolis Recovery Seminar
- Region III/West Virginia Recovery Seminar
- Connecticut REP Program IPX Workshop
- Region V/Illinois Recovery Seminar
- Nebraska Partners Workshop
- St. Lucie Federal Outreach
- New Hampshire Ingestion Pathway Recovery Workshop

Presentations

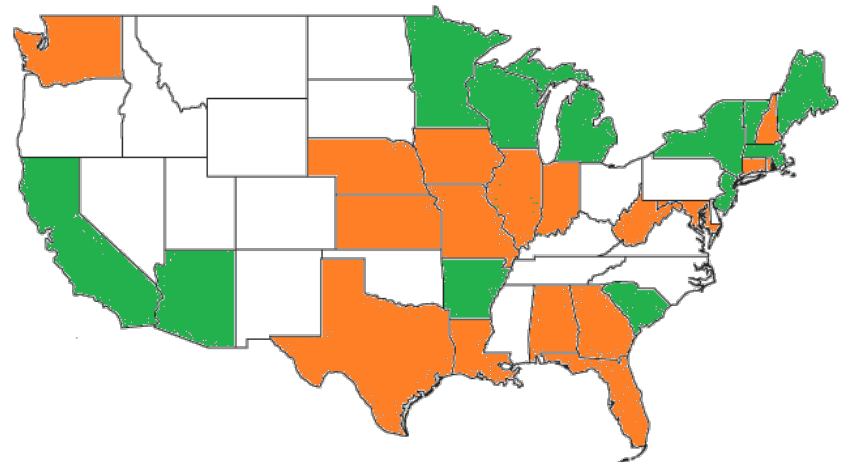
- 2017 Region I/II/III REP Program Conference
- 2017 NRC Region IV TOP Workshop
- 2017 NREP Conference
- 2017 Wisconsin Federal Outreach
- 2017 Florida State REP Task Force Meeting
- 2018 Ohio October NEPAC Meeting
- 2018 NRC Region IV TOP Workshop
- 2018 NREP Conference
- 2019 NRC Region IV TOP Workshop
- 2019 NREP Conference
- 2019 New York Power Pool Conference
- 2019 Rhode Island Emergency Management Conference



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Significant Outcomes Highlights

- Approximately 260 participating agencies, departments, and non-governmental organizations over all twelve workshops, seminars, and trainings
- Presented on the Price Anderson Act, roles of ANI and the NRC as related to PAA, potential absence of Stafford Act Major Declaration, and associated gaps in resources and funding to approximately 29 states in 9 FEMA Regions
- Through workshop/seminar design, addressed 6 core capabilities and addressed additional capabilities through natural player discussion
- Expanding Initiative scope to include ingestion and relocation, reentry, and return discussions



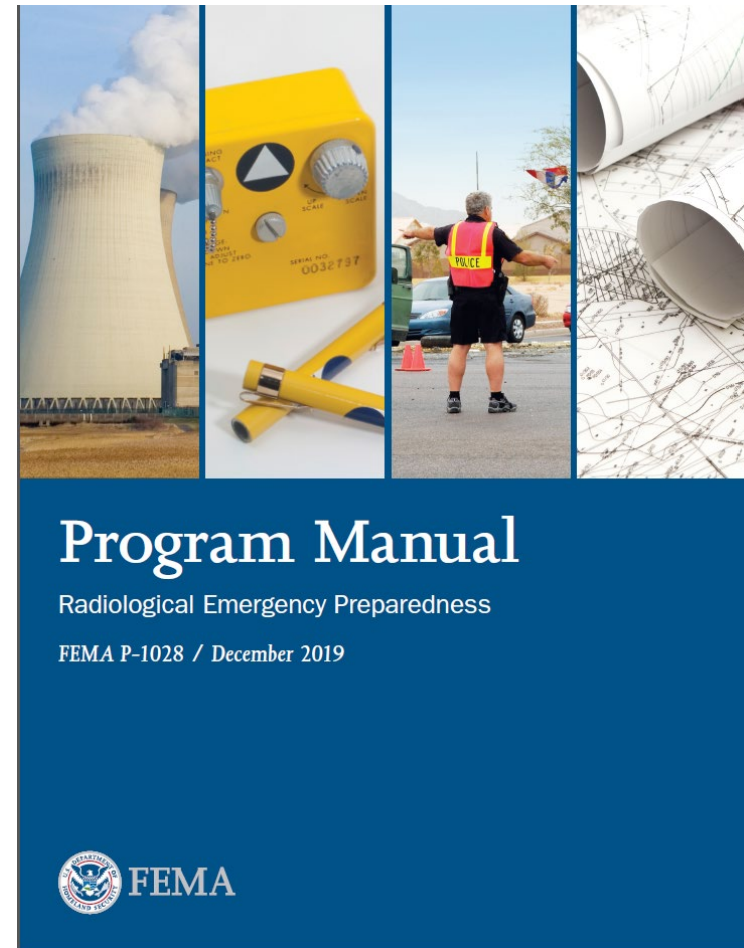
Core Capabilities

Recovery Event	Core Capabilities							
	Planning	Public Information and Warning	Operational Coordination	Infrastructure Systems	Economic Recovery	Health and Social Services	Housing	Natural and Cultural Resources
Waterford-3 Recovery Workshop (2017)	X	X		X	X			
Region 6/Texas Recovery Seminar (2018)			X		X		X	
Region 5/Indiana Recovery Seminar (2018)			X		X			
Region 4/Alabama Recovery Seminar (2018)			X		X			
Radiological Recovery Training for Washington State (2018)			X		X		X	
Region 5/Indianapolis Recovery Seminar (2019)					X		X	
Region 3/West Virginia Recovery Seminar (2019)					X		X	
Connecticut REP Program IPX Workshop (2019)*	X		X	X			X	
Region 5/Illinois Recovery Seminar (2019)*	X		X	X			X	
Nebraska Partners Workshop (2019)*	X		X	X			X	
St. Lucie Federal Outreach (2020)*	X		X	X			X	
New Hampshire Ingestion Pathway Recovery Workshop (2020)*	X		X	X			X	

2019 Version of the RPM – Initiative Relevant Updates

Planning Standard M - Recovery, Reentry, and Post-Accident Operations

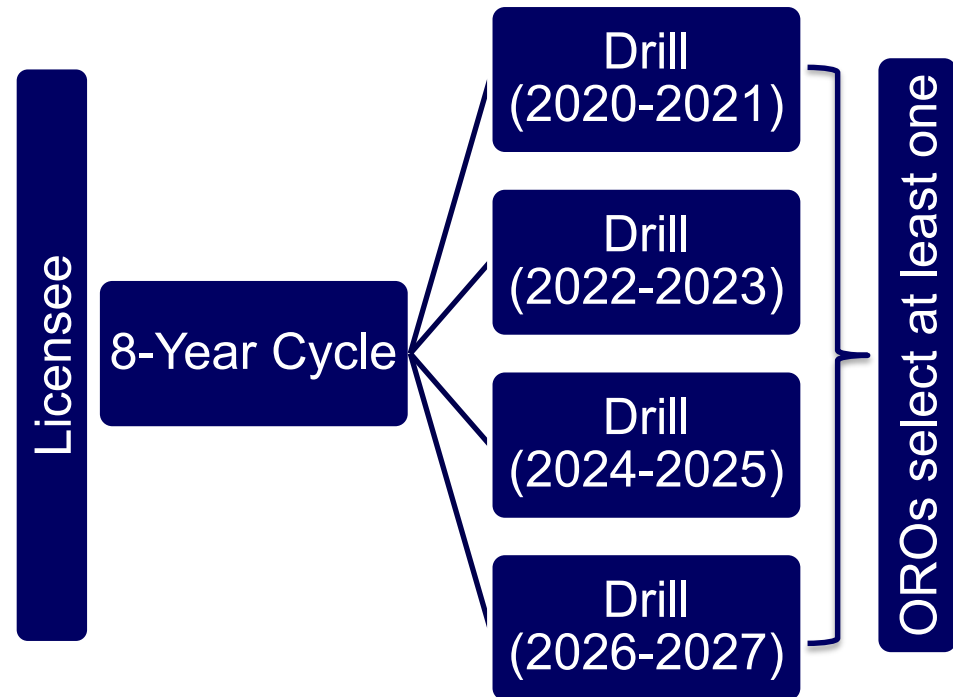
- Guidance for **reoccupancy** was added to align with concepts introduced in the 2017 EPA PAG Manual.
- Information was added to more fully address **reentry**, **recovery**, and **return** planning.



2019 Version of the RPM – Initiative Relevant Updates

Planning Standard N – Ingestion Pathway and Post-Plume Phase Drills

- Guidance to support the addition of the Laboratory and Ingestion Pathway and Post-Plume Phase drills was added.
- All OROs with roles/responsibilities for the ingestion pathway and/or post-plume phase activities [N.4.e], will participate in at least one drill during each 8-year exercise cycle, with at least one drill occurring biennially during the cycle.



2019 Version of the RPM – Initiative Relevant Updates

Planning Standard N – Ingestion Pathway and Post-Plume Phase Drills

- These drills involve, at least the following activities during each eight-year exercise cycle:
 - Sample plan development;
 - Analysis of lab results from samples
 - **Assessment of the impact on foodstuffs and agricultural products***
 - **Protective decisions for reentry, relocation, return, and reoccupancy***
 - **Foodstuffs/crop embargo***
 - **Dissemination of ingestion exposure pathway EPZ information to pre-determined individuals and business***
 - Assessment of emergency worker knowledge of ingestion exposure pathway EPZ procedures
 - **Identification of the individual authorized to make decisions in the ingestion exposure pathway EPZ***



**Denotes events that could be met through a specifically designed REP Recovery Initiative event*

General Event Structure – Presentations

- Radiological Emergency Preparedness 101
- Price Anderson Act
- FEMA Response
- National Disaster Recovery Framework
- Advisory Team Overview
- U.S. Department of Agriculture
- Agricultural Impacts of a Radiological Incident: Panel

General Event Structure – Facilitated Discussions

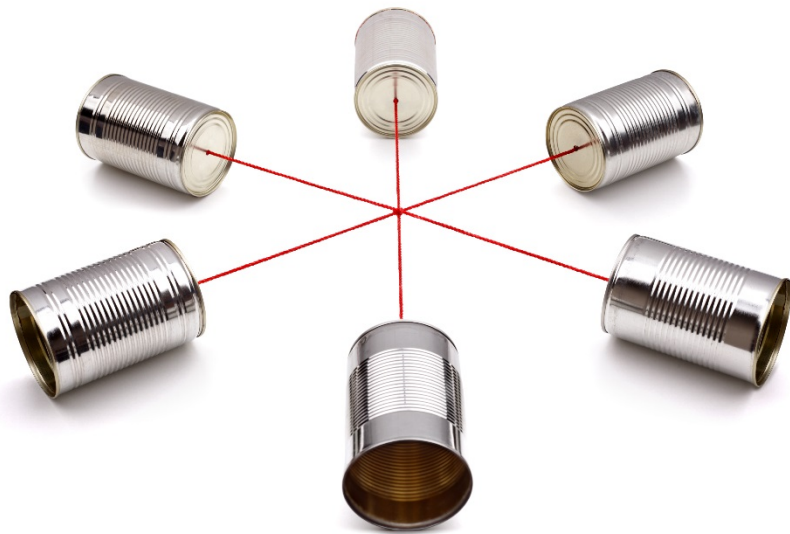
Recovery Modules

- **Module 1:** Unified Coordination Group (UCG)
 - 1A: Response UCG
 - 1B: Recovery UCG
- **Module 2:** Economic Recovery
- **Module 3:** Housing

IPX Modules

- **Module 1:** Ingestion Activities
- **Module 2:** Relocation Activities
- **Module 3:** Reentry Activities
- **Module 4:** Return Activities

Key Areas of Discussion



Operational Coordination

- Gaps between the Price Anderson Act and Stafford Act
- Unified Coordination Group structure and key stakeholders
- Coordinated federal response as it relates to PPD-44



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Key Areas of Discussion

Economic Recovery

- Possible impacts, and cascading impacts, to agriculture and tourism industries
- Incentivizes/resources for return of industry
- Open for business determination and messaging
- Overall public messaging and alternative methods



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Key Areas of Discussion



Housing

- Tracking/communicating with impacted population
- Alternative use for impacted and abandoned property

Natural and Cultural Resources

- Hunting and fishing considerations and impacts
- Recovery of environmental resources



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Key Areas of Discussion

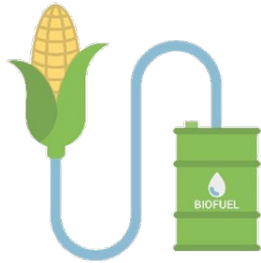
Ingestion/Relocation, Reentry, and Return

- Identification of key stakeholders and community partners/representatives
- Considerations for communicating with/messaging to evacuees
- Necessary decisions/actions to allow for reentry or return of displaced population



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High-Level Takeaways



Alternative Solutions

- Designating non-habitable land as Brownfields
- Repurposing or reusing contaminated crops
- Leverage relationships with universities and other companies to assist in clean-up efforts as part of a research opportunities or increase in publicity



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High-Level Takeaways

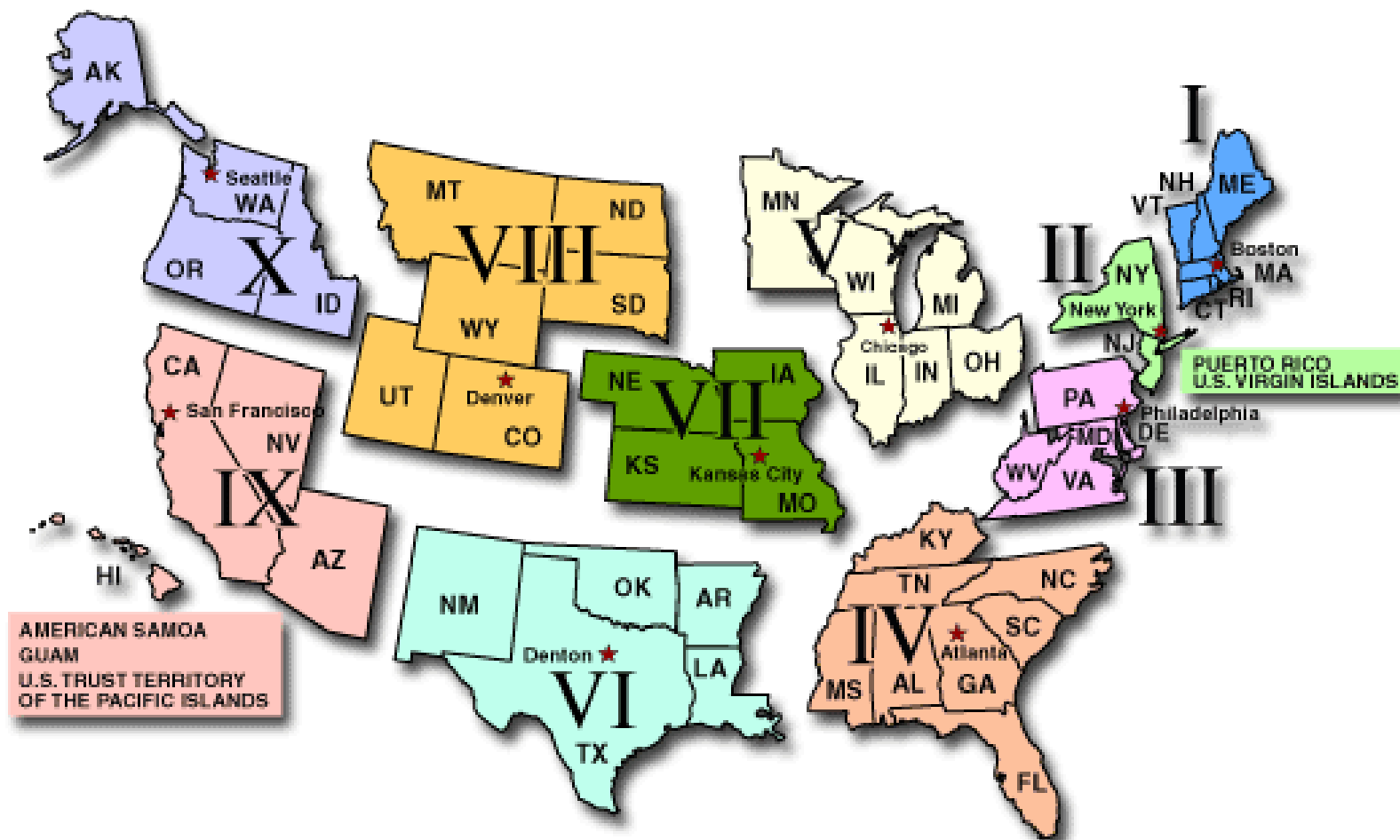
Obstacles

- Movement of contaminated debris
- Messaging to and tracking of impacted population
- Exodus of business and population in impacted areas and those impacts
- Identifying, managing, and minimizing cascading impacts to businesses



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Recovery Events Under Development



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