

Topics to be Addressed

- Integrated Team
- Expectations
- Scope of Work
- Immediate Activities
- Topical Areas of Interest
- Communications
- Embassy Science Fellow Support Network



Integrated Team

- US Embassy – Jeff Miller
- Commerce – Greg Briscoe
- EPA – Sang Don Lee, USEPA Office of R&D, Nat'l Homeland & Security Research Center
- Pacific Northwest National Laboratory - Mark Triplett
- Savannah River National Laboratory - Bob Sindelar
- Partnering to match the strengths and expertise to the cleanup challenges in the exclusion zone around the Fukushima site

Immediate Activities

- Ongoing need for decontamination demonstrations in the evacuation area
 - Procurement challenges
 - Approved clean up methods
 - 25 prescriptive ‘procedures’
 - Companies must be approved by Japanese government (lessons learned)
 - Proposal process is encouraging new methods

Topical Areas of Focus : Identified Outcomes

- Ministry of Environment (MOE)
 - Compendium of alternative decontamination methods; evaluate relevant attributes: effectiveness, cost, technical maturity, etc.
 - Enhance the potential for small-scale test or proof-of-principle demonstration of US decontamination technologies (National Labs and Industry).
 - Identify best management practices for assuring “appropriate” decontamination work
 - Incorporate lessons learned to address negative press and complaints about contractors not performing the work correctly or taking shortcuts
 - Identify management systems for assuring safe storage of waste (temporary and interim)

Topical Areas of Focus: Outcomes cont'd

- Compile US experience with citizen advisory boards (methods, types of advice, etc.)
- Share US best practices for communicating cleanup information for technical and non-technical people
- Identify best practices for evaluation and communication of cleanup results to support public awareness (answer citizen's concerns about safety of returning home)
- Identify approaches for finding and selecting acceptable locations for radioactive waste storage facilities
- Provide US guidance for “post-cleanup” monitoring methods and practices, e.g., sample methods, location, frequency, etc.
- Support planning for better understanding of fate and transport of cesium in the environment
- Identify US experience in applying differential cleanup standards based on land use, e.g., industrial, residential, recreational, agricultural, etc

Examples of Information & Assistance

- General Guidance and Existing Framework
 - Communication and Public Involvement
 - Cleanup Decision-making Process
 - Decontamination Practices
 - Project Management
 - Scope, Cost, Schedule
 - Tools, Techniques, action levels
 - Oversight
 - Contracting
 - Scope execution
 - Decision framework
 - Waste Management – interim, treatment, final disposal

Examples of Information & Assistance

- Specific Technical Needs
 - Dose measurement techniques
 - Action levels: risk-informed; statutory requirements; equipment limitations
 - Communication to diverse audiences; near real-time; ever-fresh; educational & contextual
 - Independent advisory & oversight process
 - Cohesive approaches that lend to integration in due time

Public Communication

| 市町村名 | 福島市 | | 二本松市 | | 伊達市 | | 本名 | |
|---------------|---------------------------|----------------|-------------------------|----------------|-------------------------|----------------|---------------------|----------------|
| 除染計画 | 5/21 策定済 | | 10/1 策定済 | | 8/10 策定済 | | 11/2 策定済 | |
| 除染作業状況 | 実績 飛注 計画 | 進捗率 (実績/計画) | 実績 飛注 計画 | 進捗率 (実績/計画) | 実績 飛注 計画 | 進捗率 (実績/計画) | 実績 飛注 計画 | 進捗率 (実績/計画) |
| 公共施設 (施設数) | 532 666 679 | 78 % | 74 79 82 | 90 % | 199 252 380 | 52 % | 112 113 180 | 6 % |
| 住宅 (戸) | 3,734 20,806 20,806 | 18 % | 1,399 4,358 5,002 | 28 % | 1,317 2,877 6,228 | 21 % | 150 477 1,100 | 1 % |

Public Information Board at the Decontamination Information Plaza in Fukushima City

Embassy Science Fellow Support Network

- Three general areas of assistance requested: technologies, operations, and knowledge
- Point of contact enabling reach back with PI, SME and technical experts
- Balance between proven technology and approaches with innovative solutions
- Awareness of the need to deploy and demonstrate effectiveness to the citizens
- Government is leaning on the National Laboratory credibility during tense times