Examining Related Industries
- Other occupational groups also have contamination issues and have developed best practices for preventing employee exposure
- Potential benefits and lessons can be applied
- Possible technology solutions may exist elsewhere
- Targeted industries
  - Healthcare
  - Nuclear power
  - Hazardous materials and remediation

Healthcare
- Primary concern: limit spread of infectious diseases
- Principal strategy: application of infection control program
  - Awareness emphasized
  - Apply sterile procedures
  - Isolation of infected patients
  - Extensive use of disinfectants and sanitizers
  - Infection control practitioners

Healthcare Best Practices
- Extensive hand washing policy
- Application of standard, universal precautions
- Clear facility infection control practices
- Environmental management procedures
- Large degree of oversight by CDC and WHO

Specific EMS Best Practices
Contamination Control Campaign Workshop
Related Industry Practices / Other Tools

Columbus, Ohio
July 19-20, 2017

Nuclear Power
- **Primary concern**: full control of ionizing radiation
- **Principal strategies**:
  - ALARA (as low as reasonably achievable)
  - Extensive use of engineering and administrative controls, site segregation
  - Limitation of exposure (time x proximity = dose)
  - Extensive monitoring; dosimetry

Radiation Control Best Practices
- Radiation Safety and ALARA

Hazardous Materials Response
- **Primary concern**: prevent exposure to and transfer of hazardous materials
- **Principal strategies**:
  - Extensive size up of situation before response
  - Hazard control zones
  - Levels of PPE
  - Governed by applicable OSHA regulations

HazMat Best Practices

Takeaways
- Some practices from other industries can be applied to fire service problem areas:
  - Hand cleaning practice: healthcare
  - Practices to reduce contamination to lowest level in absence of exposure standards: nuclear power industry
  - Application of control zones to fireground/stations: HazMat response and remediation
- Need exists to understand differences and practicalities associated with other industries prior to application to fire service

Related Industries Questions
- VIG1 – Which of the related industry vignettes provide useful information as related to fire service contamination control?
- VIG2 – Was any of the information provided on related industries a good representation of best practices?
- VIG3 – Will the related industries/vignettes presented provide useful information for drafting SOPs/SOGs for your organization?
**Related Industries Questions**

- **VIG4** – What additional tools do you need to support you in your efforts to address fire ground contamination issues?
- **VIG5** – Do you think the vignettes you saw would be helpful tools for building awareness of and gaining support for your contamination control efforts?
- **VIG6** – What additional vignettes should be considered?

**Other Tools**

- Links to different organizations indicating resources for contamination control
- List of specific unaddressed research needs
- Glossary of terms
- General forum for online questions and answers
- Specific social media connections

**Key Organizations**

- Wealth of information from other existing fire service oriented groups
- Value in linking content from other organizations

**Firefighter Cancer Support Network**

- Comprehensive white paper and broad recognition by fire service
- Statistics and related information substantiating need for awareness
- Extensive library and list of resources

**Capturing Research Needs**

- Various groups have indicated research priorities and needs
  - Uncertain how industry and researchers react to these existing lists
- Possible best ways to communicate need
  - Foster direct communication with DHS
  - Hold stakeholder meetings
  - Conduct periodic review of research activity
  - Summarize/list past and current research

**Glossary of Terms**

- Fire service and industry should have clear terminology, particularly when addressing technology based issues
- Some terminology created by NFPA
- Could be activity associated with general oversight or advisory committee
Online Question / Answer Blog

- Possible avenue for information exchange
- Should restrictions apply?
  - Balanced responses
- Can periodic topical areas be developed?
  - Directed questions
- True question/answer format

Q&A Forum/Glossary Questions

- QA1 – Do you think your organization members will use the Q&A forum and the glossary?
- QA2 – Should any controls be in place to control access or put constraints for how the Q&A forum is managed?
- QA3 – Do you think there is value in having an online glossary?
- QA4 – Do you think these tools will provide useful forums for creating awareness and affecting change (e.g. in your department or organization)?