

## 2013 RTFL REFRESHER

### Webinar #1

#### **Radiation Safety and the RTFL at Work**

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40 Minutes	Radiological Health & Safety	E. Jablonowski (Session A) L. Kelly-Nguyen (Session B)
	Overview of EPA Health & Safety Guidelines; Overview of EPA “Turnback” levels; Outline of area “posting” requirements for the NRC, OSHA and DOE Review operation and use of EPDs and TLDs.	
30 Minutes	Review of Respiratory Protection & Scott AV3000	C. Royce
	Discussion of Scott AV 3000 care, use, and maintenance, donning, doffing, fit check and “best practices” Discussion of EPA SHEM Respiratory Protection Program, and OSHA 29CFR1910.134 requirements Overview of the different types of respirators and cartridges and the environments within which each may be used.	
20 Minutes	Review of Level C PPE	S. Hudson
	Discussion of what must be known about the contaminated area before Level C PPE may be used Review of Level C PPE equipment components Review of Level C donning and doffing procedures	

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30 Minutes

Control Pt. Procedures Review & Documentation Exercises D. Draper

- Review of Webinar #3 Scenario and review of the 204 assignments and relevant SOPs associated with each of the 204s.
- Assignment of specific RTFLs to specific Tasks (#1 thru #4)
- Discussion of homework assignment: RTFL will properly fill out paperwork for the scenario task s/he was assigned and send to their Task Leader for review. Feedback will be provided during Webinar #3.
- Task Descriptions & Leaders:

Task #1: Delivery Truck Survey

L. Nguyen

A truck delivers some equipment to a location within the Controlled Area. It travels on roads that have been decontaminated, the driver does not get out of the vehicle. The equipment is offloaded with a backhoe so no people have to climb on the truck. The truck returns to the Control Point where the RTFLs conduct a survey to allow the truck to depart.

Task #2: Sample Bag Survey

W. Boyd

Drillers working in the Controlled area have collected a number of samples in plastic jars with lids and placed them in a plastic bag. Some of the samples have soil with moderate contamination (~500 pCi/g, Cs-137). The samples are brought to the Control Point. The RTFL needs to survey them so the samples can be sent to an authorized lab offsite.

Task #3: Contaminated Worker Survey

S. Hudson

A worker in the Controlled Area returns to the Control Point to leave for lunch. At the Control Point, it is found that his knees, hands and shoes are contaminated. The RTFL conducts a survey of the person and completes appropriate paperwork.

Task 4: Evacuation of Contaminated Injured Worker

E. Jablonowski

A worker in the Controlled Area has slipped on a wet, greasy walkway and broken his leg (non-life threatening injury). Coworkers have the injured worker resting on a contaminated bench in the Controlled Area. An ambulance is on its way to the site. The RTFL determines what steps are necessary to facilitate the evacuation of the injured person from the site.

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### **Webinar #2:**

#### **Nuclear Power Plant (NPP)**

#### **Emergency Response and the RTFL**

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10 Minutes	Discussion of exam purpose and design	C. Petullo
20 Minutes	Nuclear power plant overview <ul style="list-style-type: none"><li>- Plant operations (how does one work, making steam, PWR, BWR)</li><li>- Spent fuel storage on site (fuel pool vs. dry cask)</li><li>- Historic accident overview (TMI, Chernobyl and Fukushima)</li></ul>	C. Royce
20 Minutes	Nuclear incident review <ul style="list-style-type: none"><li>- Radiological Dispersal Device (RDD)</li><li>- Improvised Nuclear Device (IND)</li><li>- Nuclear power plant and spent fuel release (recap)</li><li>- Radiological differences and similarities between incidents</li></ul>	L. Nguyen
20 Minutes	EPA response to a NPP incident <ul style="list-style-type: none"><li>- RERP review</li><li>- RERT emergency response roles</li><li>- Response assets timeline</li></ul>	E. Jablonowski
20 Minutes	NPP incident consequences <ul style="list-style-type: none"><li>- Response activities timeline</li><li>- Off-site impacts</li><li>- Exclusion zone activities: Within &amp; Outside (Support Zone)</li></ul>	E. Jablonowski
20 Minutes	Potential RTFL Assignments <ul style="list-style-type: none"><li>- Previous RTFL training 204s</li><li>- 2010 Liberty Radiation Exercise 204s</li><li>- Pre-scripted, ESF-10, Mission Assignments</li></ul>	D. Kappelman
10 Minutes	Mechanics of Exam Receipt and Submission	C. Petullo

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### **Webinar #3:**

#### **Control Point Procedures Review And Documentation Feedback**

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20 Minutes	Review of Webinar #2 NPP Exam questions	D. Kappelman
20 Minutes	Task #1: Delivery Truck Survey	L. Nguyen
	<p>A truck delivers some equipment to a location within the Controlled Area. It travels on roads that have been decontaminated, the driver does not get out of the vehicle. The equipment is offloaded with a backhoe so no people have to climb on the truck. The truck returns to the Control Point where the RTFLs conduct a survey to allow the truck to depart.</p> <p>Discuss student approaches – Provide “school solution”</p>	
20 Minutes	Task #2: Sample Bag Survey	W. Boyd
	<p>Drillers working in the Controlled area have collected a number of samples in plastic jars with lids and placed them in a plastic bag. Some of the samples have soil with moderate contamination (~500 pCi/g, Cs-137). The samples are brought to the Control Point. The RTFL needs to survey them so the samples can be sent to an authorized lab offsite.</p> <p>Discuss student approaches – Provide “school solution”</p>	
20 Minutes	Task #3: Contaminated Worker Survey	S. Hudson
	<p>A worker in the Controlled Area returns to the Control Point to leave for lunch. At the Control Point, it is found that his knees, hands and shoes are contaminated. The RTFL conducts a survey of the person and completes appropriate paperwork.</p> <p>Discuss student approaches – Provide “school solution”</p>	
20 Minutes	Task #4: Evacuation of Contaminated Injured Worker	E. Jablonowski
	<p>A worker in the Controlled Area has slipped on a wet, greasy walkway and broken his leg (non-life threatening injury). Coworkers have the injured worker resting on a contaminated bench in the Controlled Area. An ambulance is on its way to the site. The RTFL determines what steps are necessary to facilitate the evacuation of the injured person from the site.</p> <p>Discuss student approaches – Provide “school solution”</p>	
20 Minutes	Training Administration, Feedback, Input, Announcements	C. Petullo/S. Hudson
	<p>Certificates Feedback on this year’s training in case budget constraints rule out Face-to-Face training option and Webinar format has to be repeated If Face-to-Face training IS an option...Input for next year’s training</p>	

