



U.S. DEPARTMENT OF  
**ENERGY**



## International Radiological/Nuclear Training for Emergency Response – Advanced (IRAD-A)

*Bangkok, Thailand  
June 10-14, 2019*

### Agenda

#### June 10 – Day 1 (classroom)

0900	Welcome and Introductions	Czap
0915	Schedule Review	Hoteling
0930	Radiation Basics and Health Effects	Pak
1030	Break	
1045	Radiation Detection Overview	Taylor
1200	Lunch	
1300	Radiation Search Concepts	Hoteling
1400	Interactive Radiation Detection Equipment Demonstration	Cochran / Wilson
1500	Break	
1515	Interactive Radiation Detection Equipment Demonstration (continues)	Cochran / Wilson
1630	End Day 1	

#### June 11 – Day 2 (classroom, field)

0900	Advanced SPARCS operations	Hoteling
1000	Break	
1030	SPARCS Field operations – Rotation 1	ALL
1200	Lunch	
1300	SPARCS Field Operations – Rotation 2	ALL
1430	Break	
1500	SPARCS Field Operations – Rotation 3	ALL
1630	End Day 2	

For more information, contact Kirk Czap, DOE/NNSA, [jared.czap@nnsa.doe.gov](mailto:jared.czap@nnsa.doe.gov)



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### **June 12 – Day 3 (classroom, laboratory, field)**

0900	Gamma Spectroscopy for First Responders	Hoteling
1000	Radioactive Material Identification	Hoteling
1100	Break	
1115	Radioactive Material Identification (Training)	ALL
1200	Lunch	
1300	Radioactive Material Identification (Exercise – Laboratory)	ALL
1430	Break	
1445	Radioactive Material Identification (Exercise – Field)	ALL
1600	DOE International Radiological Triage	Taylor
1630	End Day 3	

### **June 13 – Day 4 (classroom, laboratory)**

0900	Incident Crime Scene with Radiological Crime Scene Preservation	Taylor
1000	Break	
1030	Incident Crime Scene with Radiological Crime Scene Operations (Exercise)	Taylor / ALL
1130	Incident Crime Scene with Radiological Crime Scene Preservation (Discussion)	Taylor / ALL
1200	Lunch	
1300	Contamination Incident Response and Source Recovery with Case Studies/Discussion	Hoteling
1500	Break	
1530	Contamination Incident Response and Source Recovery with Case Studies (continues)	Hoteling
1630	End Day 3	

### **June 14 – Day 5 (classroom)**

0900	Radiation Dispersal Response – 10 Point Monitoring	Hoteling
1000	Break	
1015	Radiation Dispersal Response – 10 Point Monitoring (Exercise/Discussion)	Hoteling
1130	DOE International Reach Back – Plume Modeling and Medical Assistance	Czap
1200	Graduation	ALL
1230	End Day 4	

For more information, contact Kirk Czap, DOE/NNSA, [jared.czap@nnsa.doe.gov](mailto:jared.czap@nnsa.doe.gov)