

Continuing Training for Certification Credits

Subject: Surry Power Station Nuclear Operations Overview and Site Tour

Location: Dominion Generation
Surry Power Station
Hog Island Rd
Surry, Virginia

Time: 4 hours credit (half-day)

Instructors: Spencer W. Semmes, PE, Dominion Resources
Tony Banks, MPH, CHMM, Dominion Resources

Attendees:	<u>Name</u>	<u>Affiliation</u>	<u>Employer</u>
	Ellen Graap Loth	ACHMM*- Old Dominion Chapter	The Environmental Co, Inc
	David McCrumb	ACHMM – Old Dominion Chapter	Danaher Motion
	Khoi Nguyen	ACHMM – Old Dominion Chapter	ECS, Ltd
	Chad Niemeyer	ACHMM – Old Dominion Chapter	ECS, Ltd
	Paul Rakowski	ACHMM – Old Dominion Chapter	US Navy
	Ed Sowinski	ACHMM – Old Dominion Chapter	Independent Consultant

*Academy of Certified Hazardous Materials Managers

Topical Outline:

1. Federal regulatory and site security clearances
2. Surry Nuclear Information Center exhibits and public education
3. Energy sources / Steam transfer / Electricity production
4. Generic and specific nuclear plant designs and operations overview
5. Industrial, occupational, public safety precautions and practices
 - regulatory requirements
 - procedures and practices
 - signage and communications
 - emergency response
6. Plant tour - walk-through (Observation/Discussion)
 - Plant construction materials and process – O/D
 - Reactor containment (exterior) – O, (interior) - D
 - Auxiliary systems including low-level radwaste processing - D
 - Spent fuel handling process – D, exterior facilities - O
 - Steam turbines and generation of electricity – O/D
 - Plant operational cooling systems– O/D
 - Control Room operations – D
 - Plant Chemistry - D
 - Health Physics radiological controls - O/D, Exposure control – D
 - Control Room Plant Simulator Operations – O
7. Site tour - drive-through (Observation/Discussion)
 - Primary and secondary intake structures – O/D
 - Plant discharges – O/D
 - Hog Island Wildlife Management Refuge – O/D
 - Switchyard and Transmission – O/D
 - Gravel Neck peaking units – O/D
8. NEPA and environmental monitoring, compliance, contributions
9. New nuclear generation initiatives – DOE's NP-2010, ESP, DCD, COL
10. Q & A

Approved: original signed by
Tony Banks, MPH, CHMM #9594
Board Member, Old Dominion Chapter of the Academy of Certified Hazardous Materials Managers

