Summary

Introduction to Emergency Preparedness (H-107)
Things to know from Chapter 1

- Prepare for the radiological emergency, regardless of likelihood
- EP functions similarly regardless of initiating circumstances
- Changing the landscape for EP
  - Three Mile Island - 1979
  - September 11, 2001
Things to know from Chapter 2

- EPZs – 10-mile and 50-mile
- Facilities – TSC, OSC, EOF, JIC
- 4 Emergency Classes
  - Unusual Event
  - Alert
  - Site Area Emergency
  - General Emergency
- General Emergencies can exist without any actual radiological release
Things to know from Chapter 3

- 10 CFR 50.47(b) – 16 planning standards
- 10 CFR 50 Appendix E – Requirements for emergency plans
- 10 CFR 50.54(q) – Changes to emergency plans
- 10 CFR 50.54(t) – Emergency plan review
- NUREG-0654/FEMA-REP-1 – Guidance and criteria for satisfying the planning standards
- EAL “schemes” can be modeled after NUREG-0654, NUMARC/NESP-007, or NEI 99-01
Things to know from Chapter 4

● EP is a cornerstone of the ROP
  ● Baseline inspections, special inspections, PIs

● 3 EP Performance Indicators
  ● Drill and Exercise Performance
  ● Emergency Response Organization
  ● Alert and Notification Systems

● 4 Risk Significant Planning Standards
  ● (b)(4) – Classification
  ● (b)(5) – Notification
  ● (b)(9) – Dose assessment
  ● (b)(10) – Protective action recommendations
Things to know from Chapter 5

- NRC oversees onsite EP while FEMA oversees offsite EP
- Realism rule
- Reasonable assurance
- FEMA requires biennial graded exercises for each site to test offsite response
- Memorandum of Understanding
  - Sharing the responsibilities
Things to know from Chapter 6

- There are EP challenges in a post 9/11 world
- NRC is improving its response framework
- National Response Plan
- KI is a supplement to evacuation and sheltering, not an alternative
- Outreach is vital to successful emergency planning
- New reactors….. new EP?