



**RIC 2010**  
**Revision of NUREG-0654**  
**Supp. 3**

Randy Sullivan  
Office of Nuclear Security & Incident Response  
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# Revision of NUREG-0654 Supp. 3

- Technical Basis
- Process Forward
- Implementation Schedule

# Technical Basis

- PAR Study - NUREG/CR-6953,  
Volume 1 published in 2007
  - Alternative protective actions can reduce public dose during severe accidents

# Technical Basis

- PAR Study - NUREG/CR-6953, Volume 2 published in 2008
  - Insight into public tendencies in responding to protective action strategies

# Technical Basis

- PAR Study Volume 3 (in process)
  - Analyze protective action strategies for response to large early release

# Elements of Revised PAR Logic

- Increased offsite response organization involvement in development
- Staged evacuation should be initial protective action at General Emergency
- The public will implement staged evacuation and shelter in place (SIP) if the proper messaging is used

## Elements of Revised PAR Logic

- Guidance provided for emergency messaging
- SIP when impediments to evacuation exist, including hostile action
- Pause before expansion of protective actions to account for mitigative actions

# Elements of Revised PAR Logic

- Large early release protective actions
  - SIP for sites with 2 mile  
(90%) ETE > 60 minutes
  - SIP for sites with 2-5 mile  
(90%) ETE > 90 minutes
  - SIP 5-10 mile



## Process for Revision

- Draft Supp 3 in Federal Register for public comment
- Comment period closes XX/XX/10
- NRC to resolve comments
- Revision issued with final Emergency Preparedness rule

# Implementation Issues

- Expect to receive comments
- Implementation requirement not yet determined
  - Propose 6 months?
  - Next biennial exercise more than a year out?
  - After evacuation time estimate update?
- Address PAR Study concern of special needs not in special facilities