



**RIC 2012
Regulatory Actions Regarding
Containment Venting and Filtration**

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March 15, 2012



Near Term Task Force 5.1

- Order reliable hardened vents for Mark I and Mark II primary containments
 - Accessible
 - Designed for prolonged station blackout
- Precedent – Generic Letter 89-16, “Installation of Hardened Wetwell Vent,” September 1989

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Generic Letter 89-16

- Voluntary, though strongly recommended
- Provide:
 - Pressure-bearing vent path from the wetwell space (hardened)
 - Assurance of pressure relief through a path with significant scrubbing of fission products, even for containment failure modes not associated with pressurization
- Engineering solution of issues surrounding complex and uncertain phenomena

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Additional issue – external filter

- SRM-SECY-11-0137, the Commission directed:
 - ...quickly shift... ‘Filtration of Containment Vents’...and merge it with the Tier I issue of hardened vents for Mark I and Mark II containments...”

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Timeline

- December 15, 2011 – stakeholder meeting
- January 17, 2012 – stakeholder meeting
- February 17, 2012 – SECY-12-0025
- March 2012 – Order

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Two remaining questions

- Should the reliable hardened vents recently ordered be designed to operate following significant fuel damage?
 - Combustible gases, fission products

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Two remaining questions (cont.)

- Should Mark I and/or Mark II reliable hardened vents be equipped with an external filter?
 - Passive?
 - Add drywell vent path?
 - Comparable alternatives?

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