Summary of HP Performance during RF16

- Benchmark Dose Rate 9.1 mrem/hr
- Outage Exposure Goal 65 Rem
- RF16 Actual 64.134 Rem (ED)
- TLD corrected to 56.129 Rem
- 11.880 Rem Emergent Work
- 10.681 Rem resulted from CRDM repairs
- Best Dose performance ever at VCS!

Significant Emergent Dose Activities for RF16

CRDM Leak Repair and Cleanup Activities
6.112 Rem

RV Head Permanent Shield/Shroud/Insulation
Removal/Replacement 4.551 Rem

Significant Dose Activities for RF16

Reactor Building Sump Mod

Challenges (4.369 Rem)

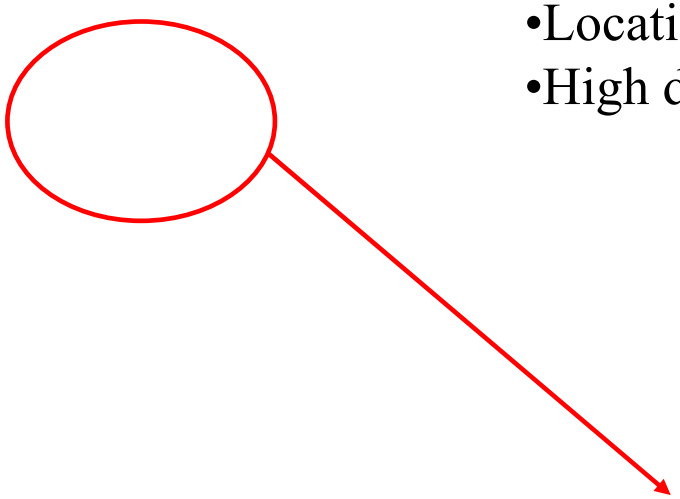
- Space
- Hexavalent Chrome (CrVI)
- Welding Resource
- Dose Rate vs. man-hrs

Significant Dose Activities for RF16

Volumetric Head Inspection

Challenges (3.830 Rem)

- LHRA Controls
- Contamination Controls
- Location in RB
- High dose rates (1.5 to 7.0 R/hr)



Damaged Fuel Assembly (RP Response)

- Underwater Surveys
  - Captured high activity metal fragment (>1000 R/hr) prior to drain down
- Close scrutiny on no mode valve work (1st off RCS valves)
- Increased Hot Particle sweeps
- Discontinued use of RM-24 Radon instrument (alpha discrimination)

ALARA

Remote Camera Monitoring and Telemetric Dosimetry

RV Head HydraNut Closure Mod

Robotic bare metal video inspection

Radwaste

- Transportation WHITE Finding in 1st qtr 2006
- 61 Shipments were made during RF16 with no issues
- 95-001 Follow up inspection closed out finding post outage

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Closing Remarks

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