

Fluor Hanford

2005 Subcommittee on Consequence
Assessment and Protective Actions (SCAPA)
Meeting, New Orleans, Louisiana

Hanford Emergency Preparedness Response To New Software Quality Assurance Requirements

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Emergency Preparedness

Hard to Get Our Attention



Flow Down

Defense Board identifies a problem



DOE corrective action plan



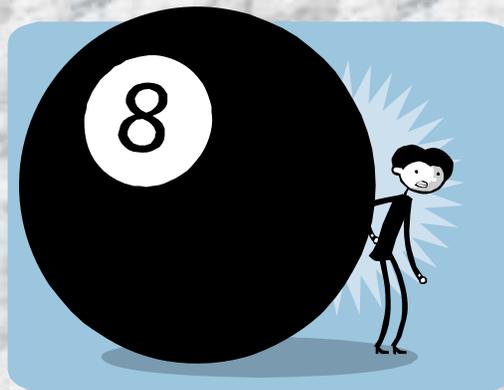
Site assessments



Contractor corrective action plan

Hanford DOE Software Quality Assurance (SQA) Reviews - 2004

- Fifty safety software applications reviewed
- One emergency response code included in review
- Thirty-five findings and twenty-five observations



Impact On Hanford Emergency Preparedness

- Revised requirements and still changing
- Retire and eliminate programs to reduce workload
- Better documentation needed for all codes

Hanford Emergency Preparedness Software Classification

“Does the software determine or implement emergency actions?”

Yes, Level B

Hanford Emergency Planning/Response Codes

- EPI
- APGEMS
- Hotspot
- METVIEW
- iClient

Legacy/Commercial Off The Shelf (COTS) Evaluation

