

Group (4 Loop Westinghouse) Facilitator – Kinsey Boehl

ALARA Successes – what has worked?

Glenn Toft - Salem

- First success
Implemented use of hydrogen peroxide for cavity decon applied with a bug sprayer. Additionally added H₂O₂ to cavity volume.
- Second success
Dose performance for non-generator outage. 28.5 rem.

Kinsey Boehl - Seabrook

- First success
Zinc injection appears to have been successful but data is mixed from first refuel outage.
 - Second success
Capital funds for additional cavity demins, painting cavity, H₂O₂ add to cavity.
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ALARA Successes – what has worked?

Donald Del Core -Millstone

- First success
Use of reflective mirror integrated with shielding in containment.
- Second success
Rad Waste system upgrades includes tungsten shielding on piping.
Beveled socket welds.

Mark VonderHaar -Callaway

- First success
Program to replace all stellite valves seats. Starting with the letdown system.
 - Second success
36 rem total with a head replacement outage
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ALARA Successes – what has worked?

John Cuffe- Wolf Creek

- First success
PRC 01M resin. Anticipate 20% reduction over 2-3 cycles.
- Second success
Management team support for the ALARA program.
Met weekly Tuesdays and Fridays to push accountability.

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ALARA Challenges / Lessons Learned – what has not worked?

- Glenn Toft -
Salem**
- First challenge
Leadership changes at the Station
 - Second challenge
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- Kinsey
Boehl -
Seabrook**
- First challenge
CRE is 4th quartile after MSIP. May be able to leverage performance for 5 year plan items.
 - Second challenge
Funding ALARA 5 Year Plan items. Top initiative is a Permanent Head Shield.
 - Third Challenge
Current cycle likely to bring a forced outage.
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- Donald Del
Core -
Millstone**
- First challenge
Permanent scaffolding. Want it but can't get it.
 - Second challenge
Aging workforce is now retiring. 60 years of experience
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ALARA Challenges / Lessons Learned – what has not worked?

recently left the department.

- Mark VonderHaar -Callaway**
- First challenge
Air flow over cavity pulls contamination into aux building.
 - Second challenge
Dry fuel storage dose.
 - Third Challenge
Other departments owning dose.
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- John Cuffe-Wolf Creek**
- First challenge
CRE, Steam generator outages every outage.
 - Second challenge
Online dose, containment entries 48 last year. Cost 1.2 rem in containment.
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ALARA Challenges / Lessons Learned – what has not worked?

Golden Nuggets:

- **Salem – Got rid of ALARA briefings. Only brief for HLA, and LHRA**
- **Millstone– Multiple color bicycle lights and electronic signs.**
- **Callaway – Stealing ideas from other plants. Remote dose rates, tech on a stick. Flashing lights.**
- **Wolf Creek – Suitcase HEPAs 15-20 lbs., easy to get out into the field. Come in 500 cfm, 1000 cfm.**
- **Seabrook – FME challenge Westinghouse for “Squid” pipe internal UTs.**
- **Seabrook- Blow down generators at the end of defueling window to reduce dose rates on the front end of outage.**