Group- (Westinghouse 4 loop Plants) **Facilitator – Kinsey Boehl**

ALARA Successes – what has worked?

Vogtle **Clark** **Bourne**	➢ First success ▪ MSIP provided limited access. Mobilization through NI ports. Complex mobilization. Used magnetic shielding on nozzles and loop piping. ALARA engineer dedicated to project. Mockup training for interferences removal, RP and RW training. Emergent Shim Gap modifications on SGs. ➢ Second success ▪ Gamma scans(ISOCS) in the loops, crossover piping, hot/cold legs, letdown. Gives insight of the effectiveness of Zn injection.

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ALARA Successes – what has worked?

Braidwood- Harry Miller	➢ First success ▪ Outage Dose, 25.3 rem Unit 1 alloy 690. Unit 2 Alloy 600 35 rem ➢ Second success ○ Water chemistry. Resins. 5 Cycles on Poly Acrylic acid. Keeps them out of secondary generators.
Salem- Glen Toft	➢ First success ▪ Unit 2 Outage. Replaced four RCP Impellers ▪ 16 Rem ➢ Second success ○ Under head inspection. EDEx current on all penetrations ~600 mrem. Had to modify the head stand to lift it about 24”

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ALARA Successes – what has worked?

Seabrook- Kinsey Boehl

- First success
  - Starting Zn mid-February. Project was funded by assets better.
- Second success
  - Forward planning for MSIP. Benchmarked Vogtle, active project manager and station support. Future challenge, estimating 50 rem for 7 weld mitigations.

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ALARA Challenges / Lessons Learned – what has not worked?

Vogtle- Clark Bourne	➢ First challenge ▪ Fleet long range planning to move to top quartile. Plants in 3rd and 4th quartile. ➢ Second challenge ▪ Daily dose goal setting and tracking. Online primarily. Dose awareness and advocacy.
Braidwood- Harry Miller	➢ First challenge ▪ Head stress relief project. Water jet peening on CRDM penetration J-welds. ➢ Second challenge ▪
Salem - Glenn Toft	➢ First challenge ▪ Misplaced turning vane screws in unshielded basket, found them on drain down with rate alarms. INPO has issued an IER (Presentation in Seattle) ➢ Second challenge

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ALARA Challenges / Lessons Learned – what has not worked?

	○ Personal Challenge: Been in the position for 1 month, has not worked in RP in 18 years.
Seabrook- Kinsey Boehl	➢ First challenge ▪ Next outage MSIP. 50 rem for 7 nozzles, high dose rates in galleries. ➢ Second challenge ▪ Station likes personnel issues for dose savings. It is difficult to get funding for plant improvements through the normal process due to weighting of dose savings at plant health.

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ALARA Challenges / Lessons Learned – what has not worked?

Golden Nuggets:

Seabrook: Use of delta suits for SG, cavity decon.
Early Batching of RWST dilute source term 10% to cavity.

Braidwood: Hydrogen peroxide cavity decon using farm sprayer (going to 3-4% H2O2)

Vogtle: Use of hydrogen peroxide during cavity decon application with bug sprayers.

Salem: Use of Expandable thread Stud Hole plug.

AREVA: River Tech integral air filter use with Eddy current probe pushers.