Group - 4 Loop Westinghouse Facilitator: J. Coughlin/M. Williams

Successes – What has gone right

(Vogtle) (Michelle Williams, Eric Fulghum)	➢ First Success - Had S/G secondary steam leak, kept making cnmt entries to identify the leak, continued with data gathering/job planning and determined the need for clamping of an instrument line pipe cap. Initial estimate was 9 Rem, final estimate was .900 Rem. Detailed survey, challenged tasks, performed mockup, used go-pros/videos and completed work for just over .500 Rem. ➢ Second Success – Started tracking emergent dose during outage, last spring was at 12 Rem. Mainly due to a weld overlay on cold leg nozzle weld. Benchmarked McGuire and worked with PCI, worked performed for 6.1 Rem. Now have procedure tracking emergent dose. Challenge FIN on need to do work immediately or schedule and approve dose in next ALARA mtg. Add 7% for emergent in outage estimates. Online form to fill out now by workgroups and approval level based on the estimate. ➢ Third Success - Implemented new Silflex tungsten conoseal shielding, 50% reduction as compared to previous shielding applications.

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Successes – What has gone right

(Wolf Creek) (John Cuffe, Bob French)	➢ First Success - Rx Hold Up Tank bladder replacement work completed for .600 Rem versus normally 1.5 Rem. Completed mockups, different scaffolds, better planning, and additional shielding. RPM was overall PM driving work and ALARA practices. Two RPTs really owned and drove the improvements/work implementation. ➢ Second Success – Benchmarking with Engineering and looked to upgrade and use 360 Vista camera for area pictures/tours. Allow for electronic plant viewer and utilization during planning, etc.

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Successes – What has gone right

(Callaway) (Mark VonderHaar)	➢ First Success - Outage positive dose performance. Previous best 39 Rem and last outage 24 Rem. Implemented zinc, smaller RCS filters, better worker performance and engagement. Only 2 level 1 PCE's during outage. Was hot during outage creating heat stress challenges, downgraded dress requirements for some tasks and told workers that if PCEs would be back in full dress. ➢ Second Success – New computer program implemented that integrates Sentinel and P6 scheduling tool together. Allows for more efficient dose reports/earn to burn curves. As work moves the daily estimates do as well. ➢ Third Success – Used dedicated laborers for shielding their entire outage. Incentive for the same/best guys to be utilized.

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Successes – What has gone right

(Braidwood) **(Joe Coughlin)**	➢ First Success - Utilize “Clearview” shielding panels for shadow shields during DCS. Allows for FH’s to remain behind shielding and still oversee DCS activities. INPO strength in use of innovate shielding. ➢ Second Success – DCS (6 casks) performed for best ever dose. Best cask was .037 Rem (1.6mr/KW) and campaign completed for .329 Rem. Average cask 22 KW. Incentive program initiated per cask which created a very engaged work force. Pool cleanup/dose rates, remote monitoring, new welder machine.
(Byron) **(Scott Leach)**	➢ First Success – 2017 best ever online dose 4.811Rem (Jan-Oct DLR, Nov-Dec ED). Use zinc, PRC-01M resins, and just implemented .05u RCS filters. Good monthly department dose challenge meetings. ➢ Second Success – Installing a LHRA gate over the cnmt equipment hatch to eliminate LHRA guards during online cnmt entries.

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Successes – What has gone right

(SeaBrook) **(Kinsey Boehl)**	➢ First Success - INPO strength in ALARA planning, mainly in area of project planning and implementation. ➢ Second Success – Utilized zero entry nozzle dams

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Challenges – What has gone wrong

(Wolf Creek) (John Cuffe, Bob French)	➢ First Challenge – While lowering the Rx Head allowed worker to finish setting the Rx Head while ED's were alarming. RP program and procedures at time did not support that, resulted in a NRC violation. ➢ Second Challenge – Small pinhole leak in a fuel bundle. Looking to prepare group for possible impacts.
(Vogtle) (Michelle Williams, Eric Fulghum)	➢ First Challenge - Level 3 PCE while moving lead, 600k particle. Problems with individual quals to utilize VARSKIN for skin dose calculations. Questioning utilization of the actual counts of particle versus utilizing counts on inside of the cloths. ➢ Second Challenge - Crude tank recirc pump operated without notice to RP to clear an alarm. Resulted in change in conditions about reaching LHRA criteria. Resulted in Licensee NRC violation.
(Callaway) (Mark VonderHaar)	➢ First Challenge - Problems with tracking/estimating lower level tasks <10mr during outage.

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Challenges – What has gone wrong

	➢ Second Challenge – Evaluating the need for eliminating ALARA plans for lower level risk tasks that really add no value. Currently ALARA plan needed at .500Rem and SAC approval at 1Rem.
(SeaBrook) (Kinsey Boehl)	➢ First Challenge – NRC finding for control and storage of outside RAM. ➢ Second Challenge – Meeting aggressive 2018 dose goals.
(Braidwood) (Joe Coughlin)	➢ First Challenge- In last year had one dose rate SRD alarm during outage and one accumulated dose alarm online. ➢ Second Challenge- Last outage exceed dose goals due to issues associated with Rx Head Peening. Overage has challenged the site in continuing to receive full INPO points for CRE. CRE recovery plan implemented.
(Byron) (Scott Leach)	➢ First Challenge – Resin transfer post transfer surveys found acceptable, two days later same area 31Rem hotspot. Had to escort workers through area, now shielded but no way to currently flush.

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Challenges – What has gone wrong

- Second Challenge – NSRB inspection challenged RCA housekeeping. Currently working with Maintenance to improve overall conditions. Mostly caused due to lack of post outage resources for cleanup.

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Challenges – What has gone wrong

(Plant) **(Representative)**	➢ First challenge ➢ Second challenge

Golden Nuggets:

- **Wolf Creek – Video taping activities for KTR purposes. Looking to tape RWP/ALARA briefs for lower level work activities and have workers provide a reverse brief to RP prior to going to work.**
- **Braidwood- Implementing abbreviated HRA briefs for upcoming spring outage. Get full brief first entry and if conditions have not changed next shift entry only minimal brief.**
- **Byron-Corp procedure requiring dept dose excellence plans deleted due to nuclear promise. Did not see much benefit. Any applicable dept items now in overall DEP.**
- **Vogtle- Last two years have conducted a RP technology fair. For entire plant population to view and solicit for ALARA suggestions.**
- **Seabrook-**
- **Callaway- Upgrade RPTs as RPS's during the outage. More ownership and CRPT direction.**

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Challenges – What has gone wrong

- **Seabrook- 360 GoPro aided in entries into containment**