

**Group - 4 Loop Westinghouse    Facilitator: J. Coughlin/M. Williams**  
**Success - Challenges – Golden Nuggets**

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**(Vogle)  
(Michelle  
Williams)**

- First Success – INPO strength in dose reduction and implementation of new technologies.
  - Second Success – Started tracking emergent dose, easier to understand reasons and evaluate needed changes.
  - Challenges – DCS dose estimation and accumulation. Looking to get data of accumulation vs KW rating and exposure reduction methods.
  - Challenges – Rad shipment near miss. Waste shipment very near limit when arrived at processor. Now utilizes H3D to ensure getting dose rates on highest points of packages.
  - Golden Nugget – Ops procedure changed to allow for HRA rounds to be done only monthly. Estimated to save 250mR/year.
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**(Wolf Creek)  
(John Cuffe,  
Bob French)**

- First Success – Cavity decon was completed 9hrs ahead of schedule. Utilized Master Lee Insta-coat and used on floors and walls 6 feet up. Completed in 3 hrs. Previous scrubbed walls scheduled for 12 hrs.
  
  - Second Success – CO2 cleaning of Rx Head due to boron leak. Utilized robot during a lot of application to reduce dose accumulated. Inspections went much better due to quality of cleaning.
  
  - Challenges – 3 work stoppage events in cnmt during outage due to potential airborne concerns. Temperature inversion during cavity drained for few days at midloop. Also buss outage took out cavity purge during the same time frame. Plan to use misters to avoid in future.
  
  - Challenges – Zephier probe use during SG inspections resulted in 7DAC airborne event on platform. Looking for different ventilation process to eliminate issue in future.
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- Golden Nugget – 3D Vista virtual tour camera. Taking pictures in plant and adding to computer for plant to use during planning and walkdown activities.
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**(Salem)**  
**(Linda Doll)**

- First Success – ITTR project completed for less than estimated. Shielding added to bridge was very effective and water cleaned up contributed to lower dose rates.
  - Second Success –
  - Challenges – Temperatures in cnmt at start of outage were abnormally high due to SG secondary cleaning. Issue caused short stay times and in result exceed dose estimates.
  - Challenges - Tracking emergent work during outages not very effective. Implementing job specific tracking sheets in ALARA plans to track more effectively.
  - Golden Nugget – Implementing the use of “smitty” shields during outage.
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**(Braidwood)  
(Joe Coughlin)**

- First Success – Use of foot operated drinking fountains in cnmt during the outage. One each at FHB, Refuel Floor, and IMB entrance.
  - Second Success – Use of Rad Pass and abbreviated/extended HRA briefs for worker efficiency.
  - Challenges – Snubber inspection program ownership switched from Engineering to Maintenance. Lack of experience and ownership has resulted in more exposure accumulated.
  - Challenges – Contamination controls post cavity decon. Walls/floors leeching and challenges with keeping boot seal covered.
  - Golden Nugget – Past outage utilized “one note” program within RP for dept files, logs, turnovers, etc. Common database and improved communications.
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**(Byron)**  
**(Scott Leach)**

- First Success – 2018 DCS campaign. Best ever dose performance with average per cask was 60 mr accumulated. Previous performance was 102 mr average. Utilized additional shielding and Lessons Learned from previous Byron/Braidwood campaigns.
- Second Success – PWST was being filled during winter, vent was frozen and popped top off tank. Repairs included RT for weld repairs. Utilized an x-ray generator for the weld RTs. Good teamwork on project, no exposure accumulated. Created new procedure for use of the x-ray generator. Shielding utilized over film to reduce general area dose rates.
- Challenges – Last outage radworker events. Had 30 PCEs (2 were Level 2) and a HRA event with worker ducking under HRA rope. Many of PCEs were associated with cavity decon and reactor reassembly.
- Golden Nugget - DCS incentive program to engage workers. Was tiered to allow for meeting all goals and getting better gifts based on performance.

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