

Group (B&W) Facilitator –Steve Edelman

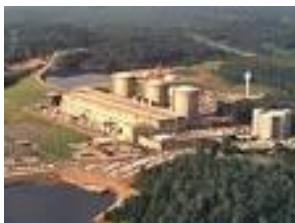
ALARA Successes – what has worked?

Steve Edelman – Three Mile Island



- First success - Use of Robotics to lower CRE Packaging High Rad Trash
 - 3.5 Rem Avoided
 - No PCEs
- Second success –Jaws of Life used to expedite removal of Piping, Insulation and Heat Trace
 - 0.900 Rem avoided

Phil Kelley - Oconee



- First success – ARM/GEDDS in rooms (Live streaming of dose rates)
 - 7.5 Rem Dose avoidance
 - Second success – Power Rx Bldg Entries (weekly) used Robotics
 - 1.5 Rem Avoidance
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ALARA Successes – what has worked?

**Marc Sidoti
– Davis
Besse**



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- First success – Keyway Shielding / Rx Head Stand Shielding
 - 2 Rem Avoidance
 - Second success – Canal Seal plate shielding
 - 3 Rem Avoidance
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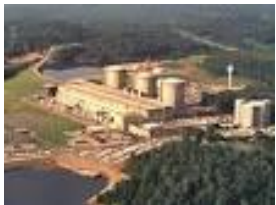
ALARA Challenges / Lessons Learned – what has not worked?

Steve Edelman – Three Mile Island



- First challenge
 - Outage RCA-hours excessive (Not including Security or TB RWPs)
 - T1R20 150.7k Hours
 - T1R19 122.4k Hours
 - T1R18 504.8k Hours (OTSG Replacement)
 - T1R17 142.5k Hours
 - T1R16 38.5k Hours (Best ever)
 - Second challenge
 - No permanent fiber (2015)
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Phil Kelley - Oconee



- First challenge – Number of personnel on-site (4400 TLD issued)
 - Dose ownership Projects or on-line (accountability)
 - Second challenge – 3 Units (only 4 ALARA Specialists)
 - Too much admin duties
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ALARA Challenges / Lessons Learned – what has not worked?

Marc Sidoti
– Davis
Besse



- First challenge – Outage dose
 - 4th quartile (On-line 1 Rem/year)
 - Second challenge – MPR permanent shielding
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 - Floor cannot handle weight (in MPR-2)
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ALARA Challenges / Lessons Learned – what has not worked?

Golden Nuggets:

- **Three Mile Island – CRE Newsletter**
- **Oconee – Utilize Operations to purchase RMS equipment**
- **Davis Besse – Use of RC cars with Go Pro cameras**