



High Interest Topics (HITs)





A. High Interest Topics by Station

1. Barakah

- a. When setting dose budget for the year, what are you targeting the budget towards? WANO top quartile or below best station yearly performance?
- b. How many contract manpower personnel do you have for SG and non-SG outages (RP Technicians and Decon)?
- c. How have you structured department level dose ownership so that Engineering, Maintenance, and Operations all feel directly accountable for ALARA performance rather than viewing it as “just an RP metric”?
- d. What objective criteria do you use to decide a plant or crew is ready for self-brief RWP? What pitfalls should be avoided during rollout?
- e. What process do you follow to set and adjust annual collective dose budgets and outage dose targets, particularly when emergent scope threatens to exceed plan?
- f. Have you seen measurable source term reduction through zinc injection or hydrogen water chemistry, and what metrics provided the benefit?
- g. What standing meeting cadence (daily/weekly/monthly) delivers the best traction on ALARA actions without overloading line management?
- h. What is the variance between ADR and TLD readings normally? When there is a big gap what is the action followed to investigate?

2. Braidwood:

- a. Have you ever had resin “locked” up in a transfer line? How did you resolve the issue?
- b. Are you allowed to use wireless devices in your Containment at power?

3. Brunswick:

- a. What techniques have you employed to overcome worker proficiency challenges causing additional exposure during RCA activities? Online & Outage?
- b. What is your strategy for balancing CRE & plant improvements? Do you limit dose expenditures per year based on quartile performance or maintain below INPO standards?

4. Clinton:

- a. Update for USA lower power outage dose info sheet. Please provide any changes to the attached list of PRW life-of-plant lowest outage dose. For BWRs, provide lowest dose outage year in high interest topic spaces below.
- b. Please provide your Unit’s 2024 refueling outage doses and duration.
- c. What is you ALARA Committee’s dollars per person-rem fixed valve, if any?

5. Davis-Besse

- a. RP Supervisor Overtime – Do your supervisors who supervise union employees make time and a half on OT?
- b. How much dose does RP pick up supporting steam generator inspections? Total dose in mrem and percentage of total project, if possible, please?

6. Framatome:

- a. Does any part of ALARA staff work remote? How many hours a week?
- b. Who uses EDEX and when?



7. Ocone:

- a. For multi-unit sites: How do you account for Dry Cask dose for CRE? Unit of origin, even split between units?
- b. Have you ever skipped doing crud bursts? Results? (We plan to try this for our fall outage due to low peaks).
- c. How often do you update RAM tags on containers, assuming no change in conditions?
- d. Do you do ultrasonic cleaning on reload assemblies?
- e. How and at what level do you control overheads in the RCA?

8. Palo Verde

- a. Who runs your respiratory budget? Do you have input from other departments on what you buy?

9. Robinson:

- a. How is dose tracked? Work order number tracking or RWP task number?
- b. How many tasks does your RWP typically have? RNP has about 20-30 tasks per RWP for dose tracking.

10. South Texas Project:

- a. What specific benefits have you received from performing laser scanning at your site?
- b. What is your target past cavity decon contamination level? How do you perform cavity decon? Do you have shareable guidance? How much time is allowed?
- c. What is your process for dealing with dose rate alarms? How do you set alarm setpoints for dose rate?



Barakah



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: when setting dose budget for the year, what are targeting the budget towards? WANO top quartile or below best station yearly performance?
 Name: Ghalya Almehezi
 Contact Info: ghalya.almehezi@enec.ae

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
K. Kono	Prairie Island	2LW	We look at average online dose + any known project dose
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	We are pretty consistent year to year. We just do a review of upcoming yearly work for any adjustments
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	blw	Try for the best
Amy Wujek	LaSalle		we look at the cycle plan and update based on work scope. If too high, we look at kicking work that can move.

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Jne C.	Braidwood	4LW	Want to target top performance But have to determine scope of work to be performed.
Victor Hughes	Byron	4LW	Common / Project work scope Cycles yearly
	Callaway	4LW	
Norberto Rebolledo Mendez	Calvert Cliffs	CE	We request projects expected for the following year; if something big is expected we allocate the day.
	Catawba	4LW	
	Davis Bease	B&W	
MONICA BROOKS	DC Cook	4LW	We look at online and projects
Felix MARTINEZ	Diablo Canyon	4LW	TARGET GOALS FOR WORK ACCOMPLISHMENT & TO QUANTILE PERFORMANCE (IF FEASIBLE)
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Most accurate estimate. We don't allow metrics to override reality.
	Palisades	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: How many contract manpower do you have (for different with SG and without (RP technicians + Decon) scopes)?

Name: Ghalya Almeirzi

Contact Info: Ghalya.Almeirzi@conec.org

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
Kono	Prairie Island	2LW	34 senior 10-12 extra for S/G work (25/6) 10 junior
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	Blk	No SG Follow up for typical staffing
Amy Wijek	LaSalle		I will follow up

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joe C.	Braidwood	4LW	88 total RPTs For Non-S6 outage. Additional 20 individuals For S6's.
Curtis R	Byron	4LW	~40 SR + ~10-15 SR SIG ~1 JR + ~2-4 JR SIG (moving away from conferences)
	Callaway	4LW	
Nabito Rebolledo Mendez	Calvert Cliffs	CE	I will send out the information
	Catawba	4LW	
	Davis Besse	B&W	
John Catlett	DC Cook	4LW	no extra for S6, reduce other crew during S6 work window. we always request much more
Felix MARTINEZ	Diablo Canyon	4LW	DEPENDENT ON SCOPE 1-30 EXTRA PEOPLE (RP & DECON)
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	We typically request 69 Sr RP, 16 Jr RP, 24 Decon, 2 ALARA, 2 dosimetry
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: How have you structured department level dose ownership so that Engineering, MNT, and ops all feel directly accountable for ALARA performance rather than viewing it as "just an RP metric"?

Name: Ghalya Almehezi Contact Info: ghalya.almehezi@enec.ae

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
K. Kono	Prairie Island	2LW	we struggle with this, right now they do not own their dose
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	we are dealing with the same issue of ownership
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick -GE	blw	Depts don't take any accountability
Amy Wyjek	LaSalle		Dept dose advocates. Senior leadership Team buy - Dept are expected to speak to their dose.

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joe C.	Braidwood	4LW	Same as Byron
Victor Hughes	Byron	4LW	DEPT. HAVING DOSE ADVOCATE SPEAK TO DURING SAC.
	Callaway	4LW	
Neiberto Rebolledo Mendez	Calvert Cliffs	CE	Dose Advocate meeting, in the process to implement ALARA battles
	Catawba	4LW	
	Davis Besse	B&W	
MANSSA BROOKS	DC Cook	4LW	DISCUSSED AT SLT morning meeting. we do struggle during the outage with diff departments.
FELIX MARTINEZ	Diablo Canyon	4LW	WORK GROUPS ARE EXPECTED TO SPEAK ABOUT THEIR EXPOSURE
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	most groups have a Dose Advocate. ENG is excluded due to low dose.
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: What objective criteria do you use to decide a plant or crew is ready for self-brief RWP's, and what pitfalls should be avoided during rollout?
 Name: Ghalya Alhelwzi
 Contact Info: Ghalya Alhelwzi, @enel.arac

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
K. Kono	Prairie Island	2LW	we have removed self-briefing
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	Email us
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robt mika	Limerick -GE	bar	same as Byron + Grandview
Amy Wijek	LaSalle		no self briefs allowed.

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joc C.	Braidwood	4LW	Same as Byron. Areas approved for self brief color coded green on maps.
Victor Hughes	Byron	4LW	No self briefing for (HRA, ABOVE 7, BREACHES, ^{welding} grinding)
	Callaway	4LW	
Nikolito Rebelle Mendez	Calvert Cliffs	CE	Currently no self briefing is allowed, Red workers must contact RP prior RCA entries
	Catawba	4LW	
	Davis Besse	B&W	
MANSSA BROOKS	DC Cook	4LW	no self briefing
Felix MARTINEZ	Diablo Canyon	4LW	SELF BRIEFING FOR LOW DOSE ONLY THEY MUST KNOW ALL REQ'D INFO & NO DEVIATE
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Email me later
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: what process do you follow to set and adjust annual collective dose budgets and outage dose targets, Particulars when emergent scope threatens to exceed Plan?

Name: Chalya Almelhrzi

Contact Info: Chalya Almelhrzi@nec.ac.ae

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
K. Kono	Prairie Island	2LW	email me
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	Email us
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerich GE	BWR	Email Me
Amy Wojek	LaSalle		Email me

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	All thru SAC mtgs
Victor Hughes	Byron	4LW	Station/Corporate ALARA Approved.
	Callaway	4LW	
Noberto Noberto Nader	Calvert Cliffs	CE	SAC meetings
	Catawba	4LW	
	Davis Besse	B&W	
MANISSA BROOKS	DC Cook	4LW	Email me: mlbrooks@aep.com
Felix MARTINEZ	Diablo Canyon	4LW	I will follow up in a longer email
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Email me later
	Palisades	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Have you seen measurable source term reduction through zinc injection or hydrogen water chemistry, and what metrics proved the benefit? Contact Info: Ghalma Alneherzi Ghalma.Alneherzi@ehc.ac.ae

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
	Prairie Island	2LW	
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	we did zinc injection in 2009. H ₂ O ₂ dose reductions for about 10 years, we are now consistent.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	BWR	Same as LaSalle
Amy Wojcik	LaSalle		Zinc injection - Chemistry Validated.

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joc C.	Braidwood	4LW	Yes zinc injection very beneficial
Victor Hughes	Byron	4LW	Zinc injection significant reduction in dose. ^{Chemistry} validated
	Callaway	4LW	
Naborio Robledo Mendez	Calvert Cliffs	CE	Will send you an email with the requested information.
	Catawba	4LW	
	Davis Besse	B&W	
Jack Collett	DC Cook	4LW	Largely driven by chemistry before my time. Effort was successful
Felix Martinez	Diablo Canyon	4LW	DRIVEN BY CHEMISTRY, PERFORMANCE MEASURED BY ACS ACTIVITY & REMOTE RAD MONITORING. EFFECTIVE
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Zinc in conjunction with resins, filters, and fuel cleaning, impossible to measure each.
	Palisades	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: what standing meeting cadence (daily/weekly/monthly) delivers the best traction on ALARA actions without overloading line management?

Name: Ghalya Almelrezi

Contact Info: Ghalya Almelrezi @ enec-arap

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
	Prairie Island	2LW	
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	weekly critique Also moving to a monthly SAC meeting
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Zimenc GE	BWR	monthly SAC - AS9 actions
Amy Wujek	LaSalle		Monthly SAC - Actions generated in AS9

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Bruce - Bruce - Mike/Source Team Comm. Meeting

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	monthly SAC mtgs
VICTOR HARRIS	Byron	4LW	Monthly SAC, Electronic Action Tracking AS9
	Callaway	4LW	
Norberto Robledo Mendez	Calvert Cliffs	CE	Returning to dose advocating meeting, where departments show their ownerships at Dose. SSAC and SAC meeting. At least every 2 weeks
	Catawba	4LW	
MONICA BROOKS	Davis Besse	B&W	
MONICA BROOKS	DC Cook	4LW	SAC meetings quarterly. Actions tracked
Felix MARTINEZ	Diablo Canyon	4LW	ELECTRONIC ACTIONS, SITUATIONAL SAC MEETINGS
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	We have SAC meeting quarterly
	Palisades	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: What is the variance between ADR and TLD reading normally? When there is a big gap what is the action followed to investigate?
 Name: Ghalya Almeiri Contact Info: Ghalya.Almeiri@ener.ac.ae

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Barakah	CE	
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	Average ~15%
Carlos R	Byron	4LW	10-20% Buyback. Major difference between digital / TLD requires personal dose investigation.
	Callaway	4LW	
Neiberto Roberto Mendez	Calvert Cliffs	CE	Email me for the version. TLD requires personal dose investigation.
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	ryan.brown1@vistracop.com can email procedure -Typically we expect SRD to read 10% higher than TLD
MANSSA BROOKS	DC Cook	4LW	Email me: mlbrooks@aep.com
Felix Martinez	Diablo Canyon	4LW	VALUE IS APPROX 10%; IF EXCEEDED INVESTIGATE & DETERMINE ACTUAL VARIANCE & APPLY TO CORRECT OUR READINGS
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
Bill Meldrum	Oconee	B&W	10yr average is 89%. Will send our process for "Poor Correlators."
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
J. Sailer	Palo Verde	CE	2-4% MAX. Very tight cal.
Krystyn Kono	Point Beach	2LW	email me. Our Health physicist has had to deal with this, I will get you in contact with him
	Prairie Island	2LW	
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Normally within 5%. Large variance triggers a dose investigation.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	Blow	PEI will be written ~10-18% by 6/4/21
Amy Wujek	LaSalle		≤ 10%. PEI will be documented to investigate Variance.

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Braidwood



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Have you ever had resin "locked" up in a transfer line.
How did you resolve the issue?

Name: Joe Coughlin

Contact Info: joseph.coughlin@constellation.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
John Hertz	Barakah	CE	no
	Beaver Valley	3LW	
	Braidwood	4LW	
Victor Hughes	Byron	4LW	Ops lined up for back flush to resin vessel bypassing valves
	Callaway	4LW	
Norberto Rebolledo Mander	Calvert Cliffs	CE	Not that I am aware of Calvert. In Laguna Verde they used a chemical diluted in water to reduce the dose on the pipe
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	- Historically. Flush + mechanical agitation
Isaac Cuffert	DC Cook	4LW	Align with ops to flush until issue resolved
Felix Martinez	Diablo Canyon	4LW	Ops so AND MECH SUPPORT TO FLUSH LINE WITH APPROPRIATE MEDIUM (i.e. WATER/AIR)
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Blew solids back thru backwash clean lines during backwash. Lots of flushes.
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
J. Siler	Palo Verde	CE	mechanical agitation + Flushes
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	Control area and flush, flush, flush
William Burnham	Robinson	3LW	Yes, pressurize and attempt line flushes mechanical agitation, post sluice flushes to prevent future rock ups
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	contact Kyle Kennedy or Marsha Johnson
Erzifood	South Texas	4LW	Extra flushing
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miler	Limerick GE	BWR	most of our lines are behind ZHAs - so not sure - Follow up
Randy Packer	BWP	BWR	Yes - Try Flush, shall pipe agitation replace

Amy Wijek LaSalle

Email me, I will find out. I have never seen it.

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Are you allowed to use wireless devices in your CNMT At power?

Name: Joe Coughlin

Contact Info: JOSEPH. COUGHLIN@constellation.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Chalson Amelizi	Barakah	CE	NO I think, email me for confirmation!
	Beaver Valley	3LW	
	Braidwood	4LW	
Victor Hughes	Byron	4LW	No, procedural driven
	Callaway	4LW	
Noberto Reboleda Mendez	Calvert Cliffs	CE	I am not sure, email me for confirmation
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	I think, but I need to send emails. We have not done it yet, to my knowledge
Mike Cottle	DC Cook	4LW	yes as long as it falls within approved signal band
Gene Morrison	Diablo Canyon	4LW	No.
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
B. M. Weldon	Oconee	B&W	Yes Email and I'll send Procedure with standoff distances.
	Palisades	CE	

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RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
J. Sailer	Palo Verde	CE	Yes, after wifi installed each outage
	Point Beach	2LW	
	Prairie Island	2LW	Yes
William Burnham	Robinson	3LW	RNP does not currently have permanent wifi in conf. wireless use in containment at power is minimal
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Erz Hood	South Texas	4LW	Yes
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	BWR	N/A
Amy Wojcik	LaSalle		I'm not sure, email me for confirmation.

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.



Brunswick



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: what is your strategy for balancing CRE & plant improvements? Do you limit dose expenditures per year based on quartile performance or maintain below TPO standard

Name: Russell Parker

Contact Info: Russell.Parker@DukeEnergy.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
John Hertz	Barakah	CE	Feedback provided to Site Leadership, they use this as input for decision making
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	Low source term, would be driven thru SAC
Victor Hughes	Byron	4LW	YEAR BASED
	Callaway	4LW	
Norberto Rebolledo Mendez	Calvert Cliffs	CE	Year Based
	Catawba	4LW	
Myron Brown	Davis Besse	B&W	- Have not challenged 40 Rem CRE recently so it is not really talked about for us
	DC Cook	4LW	
Felix Martinez	Diablo Canyon	4LW	LIMIT DOSE EXPENDITURES VIA APPROVED ESTIMATES BASED ON HISTORICAL ANNUAL PERFORMANCE & PLANNED WORK
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
Bill Meldrum	Oconee	B&W	SAC is focused on maintaining 1stQ for all units. CRE is a focus but not limiting factor
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	We do not limit dose, we adjust. Do not challenge 40rem so hasn't been issue
William Burnham	Robinson	3LW	Robinson typically leans towards the plant improvement at the expense of CRE. RNP online dose typically 3rem
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Erz Hood	South Texas	4LW	Usually move towards improvement. ALARA/CRE matters, but try to support.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Mills	Limerick GE	BWR	Year-KAC based - will improve plant, dose not a limiting factor - yet.
Amy Wujek	LaSalle		• We move towards improving the plant. ALARA/CRE is challenged but not a limiting factor.

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: What techniques have you employed to overcome worker proficiency challenges causing additional exposure during RCA activities? online + Outage

Name: *Rendell Parker*

Contact Info: *Rendell.Parker@Duke-Energy.com*

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
<i>Chalton Almekher</i>	Barakah	CE	<i>3D models and RP shift support to the area.</i>
	Beaver Valley	3LW	
<i>Jac Coughlin</i>	Braidwood	4LW	<i>Detail briefs, team new with experienced, more RPTs support, observations</i>
<i>Victor H. Curtis R.</i>	Byron	4LW	<i>Increased Technician Job coverage. Extremely detailed briefs w/ probing questions. Suspend self-briefing when standards slip. Mock ups in low dose fields</i>
	Callaway	4LW	
<i>Roberto Mendez</i>	Calvert Cliffs	CE	<i>Mock ups. Work in RCA areas must have an experienced tech with a new. Suspend self-briefing must contact RP to explain work and RPT explains rad condition.</i>
	Catawba	4LW	
	Davis Besse	B&W	
	DC Cook	4LW	<i>mock ups: detailed job briefs, pointing less exp. w/ more exp.</i>
<i>Felix Martinez</i>	Diablo Canyon	4LW	<i>3D Models, Reverse Briefs, Mock-ups, Walkthroughs. OUTSIDE VENDOR? Full discussions & walkdowns</i>
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	<i>Proficiency discussed during morning meeting. mock-ups encouraged when indicated.</i>
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	Briefing workers. For RP we have detailed Job descriptions in addition to Alara Plans
William Burnham	Robinson	3LW	3d models to show workers work area photos RCA entry questionnaire to determine knowledge
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Dynamic Learning Activities. Human Performance Labs.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Rob Miller	Lincoln GE	4LW	Detailed job briefs, increase dose estimates to account for knowledge gaps & training.
Amy Wojcik	LaSalle		Mock ups and detailed briefs. increased supervision oversight.

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Boyd B. Force

DLA's, Proficiency Heat Maps.



Clinton



HIGH INTEREST TOPIC AND QUESTIONNAIRE

2015 Spring Meeting



RP-ALARA Association

Topic: Update for USA Lowest PWR Outage Dose Info. Sheet.
Please provide any changes to the attached List of PWR Life-of-plant Lowest Outage Dose. For BWRs, provide lowest dose & outage year in High Interest Topic Below.
Name: David Miller, NRC ISOE, D.Miller@illinois.edu Contact Info: Frank Owen - Clinton

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Beaver Valley	3LW	
Joc Coughlin	Braidwood	4LW	V1 No change. V2 A2R21 best 25.243 Rem APR 11 2020
Vicke Hughes	Byron	4LW	I'll provide info once back at plant in email
	Callaway	4LW	
Roberto Rebellat Mondes	Calvert Cliffs	CE	I will reach out on an email with the last outage dose
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	1R24 - 2024 - 32.3 Rem DLR 35.6 RSRD
	DC Cook	4LW	email me: mlbrooks@aep.com
Felix MARTINEZ	Diablo Canyon	4LW	2023: 1R24 - 18.3R 2022 2R22 - 11.0R
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
Bill Meldrum	Oconee	B&W	Email me later
	Palisades	CE	
	Palo Verde	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE **RP-ALARA Association**

Topic: *Update for lowest PWR Outage Date for Inter-Unit.*

Name: *D.Miller@Ill.Wis.edu*

Contact Info: *Frank Owens, Clinton*

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
<i>Kwstyn Kono</i>	Prairie Island	2LW	<i>email me</i>
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
	South Texas	4LW	
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	BWXT		

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OECD Nuclear Energy Agency
International Atomic Energy Agency



INFORMATION SYSTEM ON OCCUPATIONAL EXPOSURE

North American Technical Center

General Distribution

July 15, 2020

ISOE INFORMATION SHEET

North American Technical Center
Information System on Occupational Exposure

US PWR Lowest Refueling Outage Dose Over Unit Operating History: NATC Benchmarking IFS Series on Lowest PWR Refueling Outage Dose for Station ALARA Committees Use

NATC ISOE Information Sheet No. 2020-12

NATC ISOE Information Sheet (IFS) No. 2020-12 : The North American Technical Center has maintained the US PWR lowest refueling outage dose table since 1999 to assist Station ALARA Committees in determining future refueling outage dose. The US PWR Lowest Refueling Outage Dose Table 1 provides a record of the lowest reported refueling outage reported by PWR ALARA staff and RPMs. Table 1 provides the lowest dose for each US operating unit, the outage year, cycle number, NSSS supplier, ED/TLD, commencement of commercial operation year and Megawatt electric unit rating. The doses are reports as electronic dosimetry (ED) or final legal dose of record (TLD or OSL) values.

The Tables 1 is updated annually in July.

Table 1 : PWR Refueling Outages - Lowest Dose by Unit

<u>last update: July 2020</u>								
<u>Ran</u> <u>k</u>	<u>Plant</u>	<u>Outage</u> <u>Dose</u>	<u>Year</u>	<u>Cycl</u> <u>e</u>	<u>NSS</u> <u>S</u>	<u>ED /</u> <u>TLD</u>	<u>CO</u> <u>Year</u>	<u>MW</u>

<u>1</u>	<u>Palo Verde 3</u>	<u>13.6</u>	<u>2019</u>	<u>21</u>	<u>CE</u>	<u>ED</u>	<u>1988</u>	<u>1405</u>	
<u>2</u>	<u>Palo Verde 2</u>	<u>16</u>	<u>2020</u>	<u>22</u>	<u>CE</u>	<u>ED</u>	<u>1986</u>	<u>1406</u>	
<u>3</u>	<u>Braidwood 1</u>	<u>16.7</u>	<u>2015</u>	<u>18</u>	<u>W</u>	<u>TLD</u>	<u>1988</u>	<u>1194</u>	
<u>4</u>	<u>Ginna 1</u>	<u>19.6</u>	<u>2015</u>	<u>39</u>	<u>W</u>	<u>ED</u>	<u>1970</u>	<u>602</u>	
<u>5</u>	<u>Oconee 1</u>	<u>19.9</u>	<u>2016</u>	<u>29</u>	<u>BW</u>	<u>TLD</u>	<u>1973</u>	<u>864</u>	
<u>6</u>	<u>Farley 1</u>	<u>19.9</u>	<u>2012</u>	<u>24</u>	<u>W</u>	<u>ED</u>	<u>1977</u>	<u>891</u>	
<u>7</u>	<u>Palo Verde 1</u>	<u>20.2</u>	<u>2017</u>	<u>20</u>	<u>CE</u>	<u>ED</u>	<u>1986</u>	<u>1402</u>	
<u>8</u>	<u>Byron 1</u>	<u>20.2</u>	<u>2018</u>	<u>22</u>	<u>W</u>	<u>TLD</u>	<u>1985</u>	<u>1183</u>	
<u>9</u>	<u>Diablo Canyon 2</u>	<u>20.4</u>	<u>2019</u>	<u>21</u>	<u>W</u>	<u>ED</u>	<u>1986</u>	<u>1182</u>	
<u>10</u>	<u>Prairie Island 2</u>	<u>20.6</u>	<u>2019</u>	<u>31</u>	<u>W</u>	<u>TLD</u>	<u>1974</u>	<u>566</u>	
<u>11</u>	<u>Callaway 1</u>	<u>20.7</u>	<u>2017</u>	<u>23</u>	<u>W</u>	<u>ED</u>	<u>1984</u>	<u>1284</u>	
<u>12</u>	<u>Farley 2</u>	<u>21.4</u>	<u>2013</u>	<u>22</u>	<u>W</u>	<u>TLD</u>	<u>1981</u>	<u>871</u>	
<u>13</u>	<u>Catawba 1</u>	<u>22.7</u>	<u>2012</u>	<u>20</u>	<u>W</u>	<u>TLD</u>	<u>1985</u>	<u>1153</u>	
<u>14</u>	<u>Beaver Valley 1</u>	<u>22.8</u>	<u>2018</u>	<u>25</u>	<u>W</u>	<u>TLD</u>	<u>1976</u>	<u>904</u>	
<u>15</u>	<u>Cook 1</u>	<u>23</u>	<u>2016</u>	<u>27</u>	<u>W</u>	<u>ED</u>	<u>1975</u>	<u>1056</u>	
<u>16</u>	<u>Cook 2</u>	<u>23.1</u>	<u>2015</u>	<u>22</u>	<u>W</u>	<u>TLD</u>	<u>1978</u>	<u>1133</u>	
<u>17</u>	<u>South Texas 1</u>	<u>23.5</u>	<u>2014</u>	<u>18</u>	<u>W</u>	<u>ED</u>	<u>1988</u>	<u>1312</u>	
<u>18</u>	<u>Watts Bar 1</u>	<u>26</u>	<u>2014</u>	<u>12</u>	<u>W</u>	<u>TLD</u>	<u>1996</u>	<u>1202</u>	
<u>19</u>	<u>Seabrook 1</u>	<u>26.2</u>	<u>2017</u>	<u>18</u>	<u>W</u>	<u>TLD</u>	<u>1990</u>	<u>1298</u>	
<u>20</u>	<u>North Anna 1</u>	<u>26.3</u>	<u>2019</u>	<u>27</u>	<u>W</u>	<u>ED</u>	<u>1978</u>	<u>963</u>	
<u>21</u>	<u>North Anna 2</u>	<u>27</u>	<u>2016</u>	<u>24</u>	<u>W</u>	<u>TLD</u>	<u>1980</u>	<u>963</u>	
<u>22</u>	<u>Oconee 2</u>	<u>28.1</u>	<u>2019</u>	<u>29</u>	<u>BW</u>	<u>TLD</u>	<u>1974</u>	<u>866</u>	
<u>23</u>	<u>Point Beach 2</u>	<u>28.2</u>	<u>2006</u>	<u>28</u>	<u>W</u>	<u>TLD</u>	<u>1972</u>	<u>539</u>	
<u>24</u>	<u>Diablo Canyon 1</u>	<u>28.2</u>	<u>2019</u>	<u>21</u>	<u>W</u>	<u>TLD</u>	<u>1985</u>	<u>1186</u>	
<u>25</u>	<u>Surry 1</u>	<u>28.3</u>	<u>2016</u>	<u>27</u>	<u>W</u>	<u>ED</u>	<u>1972</u>	<u>840</u>	
<u>26</u>	<u>Point Beach 1</u>	<u>28.9</u>	<u>2016</u>	<u>36</u>	<u>W</u>	<u>TLD</u>	<u>1970</u>	<u>537</u>	
<u>27</u>	<u>Summer 1</u>	<u>29.3</u>	<u>2011</u>	<u>19</u>	<u>W</u>	<u>ED</u>	<u>1984</u>	<u>1012</u>	
<u>28</u>	<u>Salem 2</u>	<u>29.3</u>	<u>2012</u>	<u>19</u>	<u>W</u>	<u>ED</u>	<u>1981</u>	<u>1216</u>	
<u>29</u>	<u>Byron 2</u>	<u>29.6</u>	<u>2019</u>	<u>22</u>	<u>W</u>	<u>ED</u>	<u>1987</u>	<u>1153</u>	
<u>30</u>	<u>Millstone 3</u>	<u>29.6</u>	<u>2016</u>	<u>17</u>	<u>W</u>	<u>ED</u>	<u>1986</u>	<u>1229</u>	
<u>31</u>	<u>Oconee 3</u>	<u>30</u>	<u>2018</u>	<u>29</u>	<u>BW</u>	<u>TLD</u>	<u>1974</u>	<u>864</u>	

<u>32</u>	<u>Watts Bar 2</u>	<u>30.3</u>	<u>2017</u>	<u>1</u>	<u>W</u>	<u>TLD</u>	<u>2016</u>	<u>1202</u>	
<u>33</u>	<u>South Texas 2</u>	<u>30.5</u>	<u>2015</u>	<u>14</u>	<u>W</u>	<u>ED</u>	<u>1989</u>	<u>1312</u>	
<u>34</u>	<u>Harris 1</u>	<u>30.7</u>	<u>2018</u>	<u>21</u>	<u>W</u>	<u>TLD</u>	<u>1987</u>	<u>980</u>	
<u>35</u>	<u>Prairie Island 1</u>	<u>31.3</u>	<u>2018</u>	<u>31</u>	<u>W</u>	<u>TLD</u>	<u>1973</u>	<u>560</u>	
<u>36</u>	<u>Braidwood 2</u>	<u>31.4</u>	<u>2014</u>	<u>17</u>	<u>W</u>	<u>TLD</u>	<u>1988</u>	<u>1166</u>	
<u>37</u>	<u>Comanche Peak 2</u>	<u>33.5</u>	<u>2015</u>	<u>15</u>	<u>W</u>	<u>TLD</u>	<u>1993</u>	<u>1166</u>	
<u>38</u>	<u>Comanche Peak 1</u>	<u>34</u>	<u>2013</u>	<u>14</u>	<u>W</u>	<u>TLD</u>	<u>1989</u>	<u>1166</u>	
<u>39</u>	<u>Sequoyah 2</u>	<u>34.6</u>	<u>2017</u>	<u>21</u>	<u>W</u>	<u>TLD</u>	<u>1982</u>	<u>1190</u>	
<u>40</u>	<u>Three Mile Island 1</u>	<u>34.8</u>	<u>2010</u>	<u>18</u>	<u>BW</u>	<u>TLD</u>	<u>1974</u>	<u>890</u>	
<u>41</u>	<u>McGuire 2</u>	<u>36</u>	<u>2018</u>	<u>25</u>	<u>W</u>	<u>TLD</u>	<u>1984</u>	<u>1149</u>	
<u>42</u>	<u>Vogtle 1</u>	<u>36.2</u>	<u>2017</u>	<u>20</u>	<u>W</u>	<u>TLD</u>	<u>1987</u>	<u>1169</u>	
<u>43</u>	<u>Turkey Point 4</u>	<u>37.9</u>	<u>2014</u>	<u>27</u>	<u>W</u>	<u>TLD</u>	<u>1973</u>	<u>715</u>	
<u>44</u>	<u>ANO 2</u>	<u>38.6</u>	<u>2012</u>	<u>22</u>	<u>CE</u>	<u>TLD</u>	<u>1980</u>	<u>1012</u>	
<u>45</u>	<u>Indian Point 3</u>	<u>39.5</u>	<u>2019</u>	<u>19</u>	<u>W</u>	<u>TLD</u>	<u>1976</u>	<u>1079</u>	
<u>46</u>	<u>St Lucie 1</u>	<u>39.8</u>	<u>2011</u>	<u>24</u>	<u>CE</u>	<u>ED</u>	<u>1976</u>	<u>850</u>	
<u>47</u>	<u>Vogtle 2</u>	<u>40.2</u>	<u>2017</u>	<u>19</u>	<u>W</u>	<u>TLD</u>	<u>1989</u>	<u>1174</u>	
<u>48</u>	<u>Calvert Cliffs 2</u>	<u>40.5</u>	<u>2015</u>	<u>21</u>	<u>CE</u>	<u>ED</u>	<u>1977</u>	<u>912</u>	
<u>49</u>	<u>Catawba 2</u>	<u>42</u>	<u>2018</u>	<u>23</u>	<u>W</u>	<u>TLD</u>	<u>1986</u>	<u>1159</u>	
<u>50</u>	<u>Wolf Creek 1</u>	<u>42.6</u>	<u>2019</u>	<u>23</u>	<u>W</u>	<u>ED</u>	<u>1985</u>	<u>1226</u>	
<u>51</u>	<u>ANO 1</u>	<u>44.8</u>	<u>2013</u>	<u>24</u>	<u>BW</u>	<u>ED</u>	<u>1974</u>	<u>845</u>	
<u>52</u>	<u>Salem 1</u>	<u>46.8</u>	<u>2014</u>	<u>23</u>	<u>W</u>	<u>ED</u>	<u>1977</u>	<u>1228</u>	
<u>53</u>	<u>Davis-Besse 1</u>	<u>46.8</u>	<u>2018</u>	<u>20</u>	<u>BW</u>	<u>ED</u>	<u>1978</u>	<u>902</u>	
<u>54</u>	<u>Turkey Point 3</u>	<u>47.1</u>	<u>2018</u>	<u>30</u>	<u>W</u>	<u>ED</u>	<u>1972</u>	<u>715</u>	
<u>55</u>	<u>Millstone 2</u>	<u>49</u>	<u>2017</u>	<u>24</u>	<u>CE</u>	<u>ED</u>	<u>1975</u>	<u>883</u>	
<u>56</u>	<u>Sequoyah 1</u>	<u>49.6</u>	<u>2013</u>	<u>19</u>	<u>W</u>	<u>TLD</u>	<u>1981</u>	<u>1212</u>	
<u>57</u>	<u>Beaver Valley 2</u>	<u>49.7</u>	<u>2018</u>	<u>20</u>	<u>W</u>	<u>TLD</u>	<u>1987</u>	<u>897</u>	
<u>58</u>	<u>Surry 2</u>	<u>50</u>	<u>2017</u>	<u>27</u>	<u>W</u>	<u>ED</u>	<u>1973</u>	<u>840</u>	
<u>59</u>	<u>McGuire 1</u>	<u>50.2</u>	<u>2019</u>	<u>26</u>	<u>W</u>	<u>TLD</u>	<u>1981</u>	<u>1140</u>	
<u>60</u>	<u>Calvert Cliffs 1</u>	<u>50.7</u>	<u>2014</u>	<u>22</u>	<u>CE</u>	<u>TLD</u>	<u>1975</u>	<u>925</u>	
<u>61</u>	<u>Robinson 2</u>	<u>52.6</u>	<u>2015</u>	<u>29</u>	<u>W</u>	<u>TLD</u>	<u>1971</u>	<u>740</u>	
<u>62</u>	<u>Waterford 3</u>	<u>55.7</u>	<u>2017</u>	<u>21</u>	<u>CE</u>	<u>TLD</u>	<u>1985</u>	<u>1173</u>	

RP-ALARA Association

Name: DAVID MILLER, NATC ISOE, UNAFLE ^{212-845-3238 DMiller@Ill.wis.edu} Contact Info: Frank Owen, Clinton, Constellation

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.

HIGH INTEREST TOPIC AND QUESTIONNAIRE RP-ALARA Association

2025 Spring Meeting Page 2

Topic: Please provide your units 2024 Refueling Outage Dose & Duration

Name: David Miller, D Miller@Illinois.edu
NATO ALARA Under

Contact Info: Frank Owen, Clinton,

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Kristyn Kono	Prairie Island	2LW	2R33 (holdover from 2023) 9.346 R - 61 d 1R34 50.850 R, 117 R and
William Burnham	Robinson	3LW	2R234 53.237 Rem DLR 31 Days
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	1R25 59.797 Rem 37 days 2R23 41.745 Rem 49 days
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	LaSalle BWR	BWR	Email me
Rendell Pucke	BNPP	BNPP	27 days 195 Rem
Chalva Awe	BNPP		email me for confirmation.
Amy Wujek	LaSalle		127.019 Rem LIR20 - 100 R 20 Days

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.



HIGH INTEREST TOPIC AND QUESTIONNAIRE RP-ALARA Association

Topic: What is your ALARA Committee's Dollars for Person Rem. Saved Value, if Any?

Name: D Miller, DMiller@511.nois.edu

Contact Info: Frank Owens

Contact (Name)	Plant	NSSS	Comments
John Hertz	Berkshire	CE, B&W	not sure.
	Beaver Valley	3LW	
	Braidwood	4LW	
Victor Hughes	Byron	4LW	I'll email info once back at plant.
	Callaway	4LW	
Neiberto Rebolledo Meador	Calvert Cliffs	CE	I will have to get back to you on an email.
	Catawba	4LW	
	Davis Besse	B&W	
	DC Cook	4LW	We have not used one in a long time because the plant has been so low it hasn't been used.
Felix Martinez	Diablo Canyon	4LW	It's about \$50K/REM, but we haven't used this value in a long time.
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
Bill Meldrum	Oconee	B&W	Don't have one
	Palisades	CE	
	Palo Verde	CE	

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BRUCE
BATTIE

I will share our WHITE PAPER on THIS

HIGH INTEREST TOPIC AND QUESTIONNAIRE RP-ALARA Association

Topic: What is Your ALARA Committee's Value for Dollars Per Person Rem Saved?

Name: David M. Miller NATC - un. of Illinois Contact Info:

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	\$25,000 / person - Rem
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	\$30000 / Rem
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Amy Wujek	LaSalle		email me
Robin Miller	Limerick BWR		Email me

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.

BRUCE BEATIE
DCPP

I WILL SURVEY THIS DOCUMENT - EMAIL ME
ABOUT \$50K / REM.



Davis Besse



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: RP Supervisor Overtime - Do your supervisors who supervise union employees make time and a half on OT?
 Name: Ryan Brown Contact Info: ryan.brown1@vistra.com

Contact (Name)	Plant	NSSS	Comments
J. Sailer	Palo Verde	CE	NOT UNION, but straight time O.T.
	Point Beach	2LW	
K. Kono	Prairie Island	2LW	Give 5 free hours then straight time OT
William Burnham	Robinson	3LW	RNP is non-union plant. Supervisors are salary and receive receive straight time rate after 45 hrs
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Enzifood	South Texas	4LW	Straight time OT
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	Blr	Straight time OT - Non union
Amy Wyjek	LaSalle		Straight time

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Becky Brant - Yes.

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
John Hertz	Barakah	CE	no.
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	ST OT
Curtis R	Byron	4LW	Straight Time OT
	Callaway	4LW	
Norberto Rebollo Mendez	Calvert Cliffs	CE	Calvert Cliffs is not union
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	currently yes
	DC Cook	4LW	give 5 hours free then straight time for OT
Felix Martinez	Diablo Canyon	4LW	They get OT. ONLINE: OT is straight time, RFO: OT is 1.5x
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	No union employees
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: How much dose does RP pick up supporting steam generator inspections?
Total dose in mrem and % of total project if possible please

Name: Ryan Brown

Contact Info: ryan.brown1@vistra.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Chadwick Altheimer	Barakah	CE	email me
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	Last VA outage RP 1.784 Rem of 10.985 total dose
Victor Hughes	Byron	4LW	But I will Apologies I'm an online dose person. Email you w/ info
	Callaway	4LW	
Noberto Rehuilto Mendez	Calvert Cliffs	CE	email me
	Catawba	4LW	
	Davis Besse	B&W	
	DC Cook	4LW	ours was high this last time and not our goal. RP/delon primary dose = 5.556 R 39% of project dose goal Reduction Secondary dose = 417 mrem 14%
Felix Martinez	Diablo Canyon	4LW	4635-mR 01-2023 RP = 1009-mR
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	283 mR 1090
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
J. Sinker	Palo Verde	CE	Save As ERIC - Email
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	email me
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eriz Hood	South Texas	4LW	email me
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	GE		
Amy Wojek	LaSalle		Email angela.Bristol@constellation.com

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BRUCE BEATTIE

EMAIL ME FOR DETAILS



Framatome



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: DOES ANY PART OF ALARA STAFF
WORK REMOTE? How many hours A week?
Name: Ryan Rogers Contact Info: 434 229 5686

Contact (Name)	Plant	NSSS	Comments
J. Sailer	Palo Verde	CE	Yes, 30-40 % on-line only
	Point Beach	2LW	
Krystyn Koro	Prairie Island	2LW	No
William Burnham	Robinson	3LW	RNP has 2 ALARA tech. Both are hourly and do not work remote
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Limited availability on a case by case basis. Generally, No.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	BLW	Yes, Flexible
Randy Parker	BWP	BLW	BLW wants 2 days from house/remote Only does not

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Chayla Alne	Barakah	CE	NO, It was requested but not approved
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	Case by case basis - day here day there
Victor Hughes	Byron	4LW	Byron station is allowed upto 8hrs Remote
	Callaway	4LW	
Nabeela Rebellado Mendez	Calvert Cliffs	CE	Calvert does remote. I haven't had the chance but when I started up to 16 hours
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	- It is not officially approved. But it is utilized on occasion during bad weather, near holidays, etc.
MAURISSA BROOKS	DC Cook	4LW	NO
Felix Martinez	Diablo Canyon	4LW	REMOTE WORK ON CASE BY CASE BASIS AND BY MANAGEMENT PERMISSION
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Both ALARA Planners are hybrid, 2 home & 2 Plant days (4/10 schedule)
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Who uses EDEX & WHEN?

Name: Robin Rogers

Contact Info: (434) 229 5686

Contact (Name)	Plant	NSSS	Comments
J. Sailer	Palo Verde	CE	800 + Entries - P2A Heaters + S/Y's on 200 racks 3 Rem difference
	Point Beach	2LW	
	Prairie Island	2LW	
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	N/A
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	BWR	SP Diving - or as needed based on the gradients
Perdell Parker	BWR	BWR	We do EDEX calculations 2 hours used during outage

Amy Wujek LaSalle

Multiple outage RWPs require EDEX - Email me for more info.

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Hertz	Barakah	CE	uncommonly. relocation/multibadging.
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	Under head jumps when working off floor.
Victoria H Curtis R.	Byron	4LW	Full sets on under RX Head Jumps. More dosimetry / RINGS during lower cavity & initial cavity decon jumps.
	Callaway	4LW	
Norberto Dehollado Meender	Calvert Cliffs	CE	Mostly during outages. SG / Cavity decon
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	- Evaluated frequently but very rarely used
Mike Collett	DC Cook	4LW	We have a procedure to use but never use due to source term
Genix MARTINEZ	Diablo Canyon	4LW	WE USE IT WHEN EXPOSED TO MULTIPLE RAD GRADIENTS. TYPICALLY DURING LOWER CAVITY WORK.
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Never
	Palisades	CE	

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Ocone



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: For multi-unit sites: how do you account for Dry Cask dose for CRE?
Unit of origin, even split between units?

Name: Bill Meldrum

Contact Info: William.Meldrum@duke-energy.com

Contact (Name)	Plant	SSSS	Comments
Hertz	Barakah AND	CE, B&W	no DCS yet
	Beaver Valley	3LW	
Joe Conghlin	Braidwood	4LW	Split
Victor Hughes	Byron	4LW	Dose Pre Built in for yearly divided
	Callaway	4LW	
Debbie Rebelles Manager	Calvert Cliffs	CE	Split
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	NIA
	DC Cook	4LW	
Felix Martinez	Diablo Canyon	4LW	SPLIT BETWEEN UNITS
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
	Oconee	B&W	Even split for U1&2 (common pool), all U3 assigned to that unit.
	Palisades	CE	
J. Sailer	Palo Verde	CE	Unit Based -

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	Split evenly between units
William Burnham	Robinson	3LW	Single unit site
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Dose by Unit. Sometimes a different # of casks.
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Amy Wojek	LaSalle		Split evenly
Robin Miller	Limerick	BWR	Follow up

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Have you ever skipped doing CrudBurst? Results?
(We plan to try this for our Fall outage due to low peaks).

Name: Bill Meldrum Contact Info: William.Meldrum@duke-energy.com

Contact (Name)	Plant	NSSS	Comments
John Hertz	Barakah AND	CE, B&W	No. Crud Burst shorter based on RCS activity
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	No - RCP run normally 6 HRS
Victor Hughes	Byron	4LW	Procedural Driven Company Proprietary (No)
	Callaway	4LW	
Norberto Rebolledo Mendez	Calvert Cliffs	CE	yo
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	Not in last 30 years
Jack C. Helt	DC Cook	4LW	no, we see good results in dose reduction with it.
Felix Martinez	Diablo Canyon	4LW	No. We also see reliable results each outage
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
	Oconee	B&W	Never before, planning to skip next outage
	Palisades	CE	
J. Sailer	Palo Verde	CE	No, but shorter + shorter duration

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	No
William Burnham	Robinson	3LW	No
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	No. Low peaks usually but don't skip due to potential.
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Chalga Arch	BNPP		No
Angie Bristol	LaSalle		Contact Angie @ Angela.Bristol@constellation.com
Robin Miller	Lincoln		No

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: How often do you update RAM tags on containers, assuming no change in conditions?

Name: Bill Meldrum

Contact Info: William.Meldrum@duke-energy.com

Contact (Name)	Plant	NSSS	Comments
JOHN HERTZ	Barakah ANO	CE, B&W	not updated unless opened & contents changed
	Beaver Valley	3LW	
JOE COUGHLIN	Braidwood	4LW	SAME AS BYRON
Victor H. Cetus R.	Byron	4LW	Expectation is < 1 yr as identified during periodic WNK downs, OR during current refuel outage.
	Callaway	4LW	
Roberto Mendez	Calvert Cliffs	CE	As needed, when unreadable
	Catawba	4LW	
Byron Brown	Davis Besse	B&W	standard is to update whenever contents / conditions changes. Reality is about every 2 years
Jack Cofelt	DC Cook	4LW	Expectation is yearly, mostly it's an outage equipment as it enters use in RCA
Geoff Martinez	Diablo Canyon	4LW	UPDATE NOT REQUIRED UNLESS CONDITION IS SHOWN TO CHANCE. TAG REPLACED IF UNREADABLE.
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
	Oconee	B&W	When unreadable. No procedural guidance, just INPO encouragement to do 2Y.
	Palisades	CE	
	Palo Verde	CE	As needed, to replace TAGS

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Kwstyn Kono	Prairie Island	2LW	As need based on radiological changes or degradation of tag
William Burnham	Robinson	3LW	As needed based on weather conditions,
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	As need based on changes in rad conditions or tag degradation
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick BWXT	BLW	As needed, RT for Knock boxes, post outage
Rendell Parker eddyke-1234567890	BWR	BWR	Managing Plant Improvements/projects to maintain CRs acceptable
Rendell Parker 012345678901234567890	BWR	BWR	As needed
Amy Wojcik	Lasalle		As needed

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HIGH INTEREST TOPIC AND QUESTIONNAIRE **RP-ALARA Association**



Topic: Do you do ultrasonic cleaning on reload assemblies?
 If yes, how often?

Name: Bill Meldrum Contact Info: William.Meldrum@duke-energy.com

Contact (Name)	Plant	SSSS	Comments
John Hertz	Barakah AND	CE, B&W	No.
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	No
Victor Hughes	Byron	4LW	Procedural Driven Company Proprietary
	Callaway	4LW	
Roberto Rebelleto Mander	Calvert Cliffs	CE	Procedural Driven Company Proprietary
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	Have not done fuel cleaning in at least 8-10 years
Mike Coflet	DC Cook	4LW	no
Felix Martinez	Diablo Canyon	4LW	I will have to follow up. Please e-mail. Not sure.
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
	Oconee	B&W	YES. Every outage.
	Palisades	CE	
	Palo Verde	CE	Every outage 2 nd Row fuel

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	No
William Burnham	Robinson	3LW	Not currently but we have had discussions, I would be interested in answers to this as well
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Not recently - Case by case as needed.
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Rendy Packer	BWR	BWR	Not every outage - have done partial
Angie Bristol	LaSalle		
Robin Miller	Limerick	BWR	No

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: How and at what level do you control overheads in RCA?

Name: Bill Meldrum

Contact Info: William.Meldrum@duke-energy.com

Contact (Name)	Plant	NSSS	Comments
JOHN HERTZ	Barekiah Beaver Valley	CE, B&W 3LW	survey over prior to work over 6'
Curtis Roberts	Braidwood	4LW	Restrict access via signage (RPS Rqd), Trip tickets + AWP State > 7 feet Regs RP Survey / Presence
Victor Hughes	Byron	4LW	"Signage" ABOVE 7' REQUIRES A RP BRIEF / LADDER
	Callaway	4LW	
Roberto Melendez	Calvert Cliffs	CE	Survey above 7', contact RP above 7'
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	Signage near ladder location, "Contact RP prior to work above 7 feet"
Jack Cottle	DC Cook	4LW	Signs et ladders for "Contact RP prior to working and stickers on ladders above 7 feet"
Felix Martinez	Diablo Canyon	4LW	SURVEY OVERHEAD 7-FT. SIGNS POSTED FOR LADDERS, SCAFFOLDS, HIGHER PLATFORMS
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	
	North Anna	3LW	
	Oconee	B&W	Stickers on ladders/platforms "Contact RP prior to climbing above 7' "
	Palisades	CE	
	Palo Verde	CE	stickers on ladders + ladder storage locations

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	8 feet
William Burnham	Robinson	3LW	Same as Oconee
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	7 foot or above requires RP Tech support to survey.
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Reeder/Reeder	BWR	BWR	7' posting scaffolds / OLC's / etc
Amy Wojcik	LaSalle	BWR	7' or above requires a survey.
Robin Miller	Limerick	BWR	7' + above requires RP survey, Contact RP

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Palo Verde



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Who Runs your Respiratory Budget + Do you have input from other depts on what you Buy

Name: Jim Suter Contact Info:

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	
	Point Beach	2LW	
K. Kono	Prairie Island	2LW	RP owns Respiratory, so it comes out of RP budget, not real input from other groups
William Burnham	Robinson	3LW	RP purchases respirators for radiological use we use the same brand of respirator across the whole duke fleet
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	RP owns most. Recently pushed security to own their own program. Moving to get rid of non-RCA related.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		RP purchased / work groups HAVE A VOICE IN WHATS USED.
Ron Miller	Limerick GE	3LW	RP owns - will have CRAFT buy supplies based on work
Randall Poirer	BNP	3LW	RP purchases / RP has projects purchase equipment to support their scope

Amy Wujek Lasalle

RP - no other dept buy in.

Return completed form to the Committee Secretary prior to the end of the meeting so that it may be included in the meeting report.

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	SSSS	Comments
	ANO	CE, B&W	
Chayla Alnehr	Barakah	CE	RP buys + owns
	Beaver Valley	3LW	
Joe C	Braidwood	4LW	same as BYRON
Vicki Curtis Byron	Byron	4LW	RP owns safety, & also respiratory. so it all relies through RP, unless special projects (S/G Outage)
	Callaway	4LW	
Norberto Rebollo Mender	Calvert Cliffs	CE	I will need to email you with the information. RP owns respiratory protection program. But for fire fighting OP owns it.
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	RP buys, owns, & runs all of it. - no official input from other departments
Mike Collett	DC Cook	4LW	RP does it all w/ input from other groups
	Diablo Canyon	4LW	
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	RP owns. Not aware of any other inputs.
	Palisades	CE	

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Robinson



HIGH INTEREST TOPIC AND QUESTIONNAIRE **RP-ALARA Association**



Topic: How is dose tracked? Work order # tracking or RWP Task #

Name: William Burnham

Contact Info: William.Burnham@Duke-Energy.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Chalya Almelhi	Barakah	CE	-Thigh RWP number
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	same as byron
Victor Hughes	Byron	4LW	Combination of Both Processes mostly RWP Task.
	Callaway	4LW	
Robert Meador	Calvert Cliffs	CE	Both, WO for non routine activities. RWP for routine activities
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	Both. Online much closer work order # tracking Outage = for many orders, monitor RWP's. But still have ability to look at WO #
Manissa Brooks	DC Cook	4LW	Both. online is mostly WO # outage is tracked by RWP
Felix Martinez	Diablo Canyon	4LW	SPECIFIC & GENERIC WORK ORDERS.
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Prefer WO #. RWP task rarely
	Palisades	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
J. Sailer	Palo Verde	CE	Both, through Sentinel
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	We use both, RWP's for bigger items CSP/TP/PM / (alteswork etc) By WO for daily dose
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Both. Goal is all thru sentinel to pull reports as needed.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick	CE	Work order driven - look up WO # + get the dose received
Russell Parker	RWP	Both	Online WO / Outage RWP

Amy Wojcik LaSalle

By RWP #

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: How many tasks does your RWP typically have? RNP has 20-30 tasks per RWP for dose tracking.

Name: William Burnham

Contact Info: William.Burnham@Duke-Energy.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
John Hertz	Barakah	CE	our RWPs don't have tasks
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	Usually 1-5 tasks
Victor H. Curtis R.	Byron	4LW	Usually 1-5. General weld down RWP has 12 (one per dept)
	Callaway	4LW	
No. Berke Rehbecker Mendez	Calvert Cliffs	CE	Less than 5. Usually just 1-3. Each dept has its own RWP
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	Typically 2-4. Major scope (retail) can have 8-12. HIS-20 does not like > 12 tasks
Monissa Brooks	DC Cook	4LW	Same as STP usually 2-4 ~ 90% of RWPs or 3 tasks 1-RA 2-HRA 3-LHAA
Felix Martinez	Diablo Canyon	4LW	NORMALLY 1-4, MORE IF NECESSARY
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
Bill Meldrum	Oconee	B&W	Varies. Most have 4-5, currently consolidating RWPs, so some have 20 or more.
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	Palo Verde	CE	20-30, but working on Reduction
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	Varies generally between 2-5, some specialty have ~ 10
	Robinson	3LW	
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	Low Risk - RA/HRA/LHRA Med Risk - RA/HRA/LHRA Newton - RA/HRA/LHRA Others vary as needed.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Lincoln GE	BLR	Online outage 2-3
Rudolf Parker	BLR	BLR	Online: 2-6 Task average Outage: 6-10 Task average
Amy Wojcik	LaSalle		Online: 1-3 tasks Outage: some have up to 9 or 10

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South Texas Project



HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: What specific benefits have you received from performing laser scanning at your site?
 Name: Eric Hood Contact Info: eghood@stpegs.com

Contact (Name)	Plant	SSSS	Comments
	ANO	CE, B&W	
John Hertz	Barakah	CE	virtual walkdowns by work groups, virtual planning, faster work execution due to workers knowing location
	Beaver Valley	3LW	
Joe Coughlin	Braidwood	4LW	RCP pump deck + motor move obstacles
Vickie Hughes	Byron	4LW	Laser mapping on RX Head. so far. waiting for funding to purchase products
	Callaway	4LW	
Donato Rebolledo Mendez	Calvert Cliffs	CE	not sure, I will need to reach out to my peer back at Calvert
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	N/A
Jake Cottle	DC Cook	4LW	new under vessel custom shielding
Felix Martinez	Diablo Canyon	4LW	1-HR/ENTRY NON-CA, 2-HR/ENTRY INITIAL ENTRY FOLLOWING INITIAL REVIEW, REDUCED HRA HRA ENTRIES DURING PLANNING
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
Bill Meldrum	Oconee	B&W	Let me count the ways! Too many to list - cut RCP motor lift from 12 hrs to 2.5. Email me
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: What specific benefits have you received from performing laser scanning at your site?

Name: Eric Hood

Contact Info: eghood@stpegs.com

Contact (Name)	Plant	SSSS	Comments
J. Sauer	Palo Verde	CE	Providing accurate location to speed time on task
	Point Beach	2LW	
	Prairie Island	2LW	
William Burnham	Robinson	3LW	Dose reductions for pre-job planning, worker briefing improvements
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	N/A
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Robin Miller	Limerick GE	BWR	N/A
Rodell Parker	BWR	BWR	Helps with walkdowns of inaccessible areas

Amy Wojcik LaSalle email me

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BRUCE BEATTIE - Coupled w/ DOSE MAPPING - EMAIL FOR MORE INFO

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association



Topic: Cavity Decon: What is your target post cavity decon contamination level?
How do you perform cavity decon? Do you have shareable guidance?
How much time is allowed?

Name: Eric Hood

Contact Info: eghood@stpegs.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Chad Almedida	Barakah	CE	Yes we did, we do 3 Phase cavity Decon usually
	Beaver Valley	3LW	
Joe Longlin	Braidwood	4LW	<50K dpm/100cm ² , pressure wash, 3-4 HRS
Victor Hughes	Byron	4LW	<50K dpm/100cm ² Procedure driven
	Callaway	4LW	
Nahuel Robledo Mendez	Calvert Cliffs	CE	<100 Kdpm/100cm ² Procedure driven
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	<50K target. 4-6 hours. Spray down walls & floors, squeegee to decon. Use a peroxide solution to help
Mike Collett	DC Cook	4LW	<50K, ~ 8 hrs Upper Cavity, ~ 6 hrs Lower Cavity Procedure & Script driven. Not sure about sharing
Felix Martinez	Diablo Canyon	4LW	1K - 10K
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	<50K. spray walls, decon solution & buffer. Squeegee to shallow End. Not sure sched.
	Palisades	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Cavity Decon: What is your target post cavity decon contamination level?
How do you perform cavity decon? Do you have shareable guidance?
How much time is allowed?

Name: Eric Hood

Contact Info: eghood@stpegs.com

Contact (Name)	Plant	NSSS	Comments
J Smith	Palo Verde	CE	<100k, washers, doodlebug
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	Initial < ⁵⁰ 100k; final - upper cavity < ²⁵ 25K, lower cavity < 100k, by procedure. Use Quick Decon solution w/ automatic scrubbers & Demin H2O
William Burnham	Robinson	3LW	<100k dpm/100cm ² - manual scrubbing, mopping Typically allowed 4 hrs usually takes 6-8 hrs
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	<100k dpm/100cm ² (stretch < 25K). Pressure wash and mop. Minimum guidance. 2-4 hours.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Rob Miller	Limerick	BWP	Email me
Reidell Parker	BWP	BWP	Target: <200k general used new masterclean solution scrubbing ordinary - 9hrs in scheduled

Amy Wojcik LaSalle

email me. we have a presentation

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HIGH INTEREST TOPIC AND QUESTIONNAIRE **RP-ALARA Association**



Topic: What is your process for dealing with Dose Rate Alarms?
 How do you set alarm setpoints for Dose Rate?

Name: Eric Hood

Contact Info: eghood@stpegs.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
John Hertz	Barakah	CE	document eSams & Condition Report. INPO setpoint guidance
	Beaver Valley	3LW	
Joe Conklin	Braidwood	4LW	same as BYR
Victor Hughes	Byron	4LW	Procedural Driven (Survey Results / Past Dose Performance)
	Callaway	4LW	
Nabeiro Rebolledo Mendez	Calvert Cliffs	CE	Procedure Driven
	Catawba	4LW	
Ryan Brown	Davis Besse	B&W	-Can share procedure. Set alarms based on review of (for both substation) access records following each outage
Jake Collett	DC Cook	4LW	for procedure, set point changes capped @ 50% over expected dose rate
Felix Martinez	Diablo Canyon	4LW	Procedural: up to 1.5% of highest GA. Also aligned with WANO S/P development
	Farley	3LW	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	McGuire	4LW	
	North Anna	3LW	
	Oconee	B&W	Unanticipated - generate NCR + investigate. Practice is to brief almost every one to a rate alarm.
	Palisades	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: What is your process for dealing with Dose Rate Alarms?
How do you set alarm set points for Dose Rate?

Name: Eric Hood

Contact Info: eghood@stpegs.com

Contact (Name)	Plant	NSSS	Comments
Jim Smith	Palo Verde	CE	CR written for all un planned dose + rate Alarms. Dose + Dose Rate Setpoints 2 year history
	Point Beach	2LW	
Krystyn Kono	Prairie Island	2LW	Per procedure = 1.5 expected dose rate, also look at contact dose rates on SRD's for previous instances of task. for brief to dose rate alarm if needed. If expected alarm info
William Burnham	Robinson	3LW	Alarm set points are low enough to challenge worker but not lead to constant alarms. Alarms are 90% briefed and anticipated
	Salem	4LW	
	Seabrook	4LW	
	Sequoyah	4LW	
Eric Hood	South Texas	4LW	No specified process. Set points are low but reasonable.
	St Lucie	CE	
	Surry	3LW	
	Turkey Point	3LW	
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Framatome		
Ron Miller	Limerick	Blot	Procedural - Dose rate setpoint to 1
Randy Parker	BWP	Blot	3- Alarms leave area unless alarm is during transversing to work area

Amy Wojcik LaSalle

Procedurally driven

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