

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 27-29, 2020

Topic: What does Your ALARA Org chart Look Like?

Numbers - Technician/Hourly, Exempt,

Name: Work control RP Planners, Scheduling Contact Info:

McLean Cook

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontana	Beaver Valley 1,2	3LW	ALARA Supervisor Shielding & Project planner
J. Coughlin	Braidwood 1,2	4LW	1 outage Planner Online Planner 1 RPT
S. Leach	Byron 1,2	4LW	1 outage Planner 1 on-line Planner
A. Enloe	Callaway	4LW	one person (me) sometimes a tech but almost never
	Calvert Cliffs	CE	
L. Chapp	Catawba 1,2	4LW	2, Exempt one online, one outage
	Clinton	BWR	
Cris Mingus	Davis Besse	B&W	(1) Supr., (2) Staff Planners, (1) 18.1 Tech
	DC Cook 1,2	4LW	
	Diablo Canyon 1,2	4LW	
Steve	Farley 1,2	3LW	Alara Health - Exempt Alara Health Physicist, 1 outage tech, 2 online/daily techs
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
Lloyd Frink	Indian Point 2,3	4LW	1 Exempt Supr. 1 Exempt specialist, 2 techs
	LaSalle	GE, BWR	
N. Calero	McGuire 1,2	4LW	2- ALARA PLANNERS 4-10's NON-ONION - EXEMPT 1-ONLINE / 1-OUTAGE
	Millstone 3,2	4LW, CE	
Bill	Nine Mile Pt	BWR BWR	2 online Specialists (management) 1 outage Specialist (management) 2 ALARA Planners - Attend E-WEEK meetings + write RWPs ↳ Technicians

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Key West, FL

January 27-29, 2020

Topic: What does your Alara org chart look like?

numbers: Technician/ hourly, Exempt
workload: RP planners, scheduling

Name: Adam Cook

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Brad Pleasants	North Anna 1,2	3LW	1 Supervisor WE DO OUTAGE PLANNING 1 Coordinator 1 Tech : RWPS Weekly planning / long range planning
Bill Meldrum	Oconee 1,2,3	B&W	2 exempt planners, Supr shared with RW shipping and Instruments = RP Programs Group
	Palisades	CE	1 online coordinator - Exempt 4 Alara Techs - hourly. (50 hrs to reduce to 3)
A. Williams	Palo Verde 1,2,3	CE	
H. McCoy	Peach Bottom	BWR	1 outage Planner 3 RAD Engineers 1 on line planner all are professional staff
	Point Beach 1,2	2LW	
D. Mark	Prairie Island 1,2	2LW	GS/Supervisor/Foreperson/2 outage 1 online
	Quad Cities	BWR	
Lawrence Branham	Robinson	3LW	2 hourly technicians, one for online + one for planning 1 exempt RP Scientist, 1 ALARA supv
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
B. Bell	Seabrook	4LW	1 Staff Total
N. N. N.	Sequoyah 1,2	4LW	3 specialists, 1 supt.
J. J. J.	South Texas 1,2	4LW	3 techs, 1 staff, 1 supervisor
	St. Lucie 1,2	CE	
Doug VanHorn	Surry 1,2	3LW	4 Total 1-Supervisor 1-Coordinator, 2 Techs We cover all aspects of ALARA no- nuclear planning, On-line, RPW's, Risk Plan, Surry Record Maint, supervise Decon
	Turkey Point 1,2	3LW	
H. H. H.	VC Summer	3LW	1 supervisor 2 techs
Eric Fulgham	Vogtle 1,2	4LW	2 Techs (1 online, 1 outage) hourly
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	2 specialist non exempt / 1 temp upgrade tech / 1 contractor
R. CARRAWAY	Wolf Creek	4LW	1 supervisor 2 techs

Tony H. R. R. BWR 2 Tech, 2 Specialist, 1 supervisor

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 27-29, 2020

Topic: Are You doing Robotics/under water Decan?

Name: McLennan Cook

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jeff Fontaine</u>	Beaver Valley 1,2	3LW	<u>No</u>
<u>J. Conklin</u>	Braidwood 1,2	4LW	<u>Yes, same as Byron</u>
<u>S. Leach</u>	Byron 1,2	4LW	<u>Yes, underwater Decan ~12 hours prior to cavity drain down</u>
<u>A. Enloe</u>	Callaway	4LW	<u>NO</u>
	Calvert Cliffs	CE	
<u>L. Chupp</u>	Catawba 1,2	4LW	<u>NO</u>
	Clinton	BWR	
<u>Cris Mingus</u>	Davis Besse	B&W	<u>No, Will be looking into performing</u>
	DC Cook 1,2	4LW	
	Diablo Canyon 1,2	4LW	
<u>Steve</u>	Farley 1,2	3LW	<u>No</u>
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<u>Lloyd Frink</u>	Indian Point 2,3	4LW	<u>Yes</u>
	LaSalle	GE, BWR	
<u>N. Calero</u>	McGuire 1,2	4LW	<u>No</u>
	Millstone 3,2	4LW, CE	
<u>Bill</u>	Nine Mile Pt	4LW BWR	<u>YES - Rolls Royce or DIAKnot</u>

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 27-29, 2020

Topic: *Are You doing Robotic/underwater cavity Decou?*

Name: *McLem Cook*

Contact Info:

Contact (Name)	Plant	NSSS	Comments
<i>Brad Pleasants</i>	North Anna 1,2	3LW	<i>No with robot but vac cavity w/ trinke prior to drain down</i>
<i>Bill Meldrum</i>	Oconee 1,2,3	B&W	<i>Not yet, interested...</i>
	Palisades	CE	
<i>A. Williams</i>	Palo Verde 1,2,3	CE	<i>No</i>
<i>B. Ditzel</i>	Peach Bottom	BWR	<i>Yes - Ditzel - email me for surveys and benchmark report brandon.ditzel@drexelcorp.com</i>
<i>D. Martin</i>	Point Beach 1,2	2LW	<i>No at PI / Yes at Monticello</i>
	Prairie Island 1,2	2LW	
	Quad Cities	BWR	
<i>Lawrence</i>	Robinson	3LW	<i>No, interested</i>
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
<i>Boell</i>	Seabrook	4LW	<i>no</i>
<i>Nolan</i>	Sequoyah 1,2	4LW	<i>Yes Rolls Royce</i>
<i>Jonah</i>	South Texas 1,2	4LW	<i>Yes, Rolls Royce</i>
	St. Lucie 1,2	CE	
<i>Doug VanHorn</i>	Surry 1,2	3LW	<i>No, Just some trinke vac</i>
	Turkey Point 1,2	3LW	
<i>Higgsbottom</i>	VC Summer	3LW	<i>No</i>
<i>Eric Fulgham</i>	Vogtle 1,2	4LW	<i>No, Will be evaluating for future Outages.</i>
	Waterford	CE	
<i>K. Weirich</i>	Watts Bar	4LW	<i>No</i>
<i>L. Coad</i>	Wolf Creek	4LW	<i>No</i>

RA Horn *Rise* *BWR* *Yes*

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 27-29, 2020

Topic: What controls do you have in place for Seal table work?
 Faceshield? Respiration? Tent/enclosure?

Name: Malcolm DeCook

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Brad Pleasants	North Anna 1,2	3LW	Hepas, Face shields or PAPR (Depends on what doing)
Bill meldrum	Oconee 1,2,3	B&W	We avoid it by not having a seal table
	Palisades	CE	
A. Williams	Palo Verde 1,2,3	CE	PAPR to push old IC's
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
D. Martin	Prairie Island 1,2	2LW	Tent, Hepa, ^{For Emergency} HEPA controls, Ang 100 and Max air flow
	Quad Cities	BWR	
A. Lawrence C. Branham	Robinson	3LW	Depends on the work PAPR, faceshields, HEPA's
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Boehl	Seabrook	4LW	Face Shield Dable Goggles
Nolen	Sequoyah 1,2	4LW	HEPA FACESHIELD OR PAPR
Jond	South Texas 1,2	4LW	PAPR, tele metry, continuous coverage
	St. Lucie 1,2	CE	
Doug VanHorn	Surry 1,2	3LW	PAPR, Enclosure for EC work
	Turkey Point 1,2	3LW	
Higgybottom	VC Summer	3LW	depends on type of work faceshield → PAPR-15.46
Eric Fulgham	Vogtle 1,2	4LW	Faceshield/PAPR, HEPA, Seal Table has its own room by design so no tent needed
	Waterford	CE	
K. Weirich	Watts Bar	4LW	Lighting Lighting PAPR for drives
R. Carroll	Wolf Creek	4LW	PAPR's for Drain Boxes, Face Shields on Seal Table

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RP-ALARA Association

Key West, FL

January 27-29, 2020

Topic: What controls do you have in place for seal table work?
Face or Respiration? Tent/Enclosure?
Shield

Name: McLein D.C Cook

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jeff Fontaine</u>	Beaver Valley 1,2	3LW	Depends on scope. PAPR, Hepe, Enclosure for flux tube work, Face shield & HEPA for box work
<u>J Coughlin</u>	Braidwood 1,2	4LW	PAPR for cleaning + ECT
<u>S. Leach</u>	Byron 1,2	4LW	use PAPR for tube cleaning and eddy current
<u>A Enbe</u>	Callaway	4LW	Face shield, Double gloves
	Calvert Cliffs	CE	
<u>L. Chapp</u>	Catawba 1,2	4LW	PAPR, Enclosure
	Clinton	BWR	
	Davis Besse	B&W	
	DC Cook 1,2	4LW	
	Diablo Canyon 1,2	4LW	
<u>Steve</u>	Farley 1,2	3LW	curtain to isolate seal table area, HEPA, Face shields, PAPR
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<u>Lloyd Feink</u>	Indian Point 2,3	4LW	Full Tent Enclosure, HEPA, PAPR Hood, extremity Phramtex, remote monitoring / dedicated tech.
	LaSalle	GE, BWR	
<u>N. Calero</u>	McGuire 1,2	4LW	BASED ON DOSE? FACE SHIELD TYPICALLY, SCOPE/INTRUSIVE?
	Millstone 3,2	4LW, CE	
<u>Bill</u>	Nine Mile Pt	CE , BWR	N/A

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 27-29, 2020

Topic: What instrument are you using for Neutron Surveys?
Rem Ball / Rem 500 - ~ ?

Name: McLenn Cook

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	rem ball or Rem 500 (← First choice)
J. Coughlin	Braidwood 1,2	4LW	Rem ball
S. Leach	Byron 1,2	4LW	Rem Ball
A. Enloe	Callaway	4LW	Rad eye
	Calvert Cliffs	CE	
L. Chupp	Catawba 1,2	4LW	Rem ball + Ludlum 12-4
	Clinton	BWR	
Cris Mingos	Davis Besse	B&W	Recently switched from REM-Ball to Fuji
	DC Cook 1,2	4LW	
	Diablo Canyon 1,2	4LW	
Steve	Farley 1,2	3LW	REM BALL
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
Lloyd Frisk	Indian Point 2,3	4LW	ASP-1 / Rem Ball
	LaSalle	GE, BWR	
N. CALERO	McGuire 1,2	4LW	Remball exclusive
	Millstone 3,2	4LW, CE	
Bill	Nine Mile Pt	CE , BWR	Rem Ball + Rem 500

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 27-29, 2020

Topic: What instrument are you using for neutron surveys?
Rem Ball, Rem 500 - .. ?

Name: McLean Cook

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Brook Pleasants	North Anna 1,2	3LW	Rem ball Ludlum and w/ Radeye + Rem 500
B. H. Meldrum	Oconee 1,2,3	B&W	Ludlum 12-4
	Palisades	CE	
D. Williams	Palo Verde 1,2,3	CE	Rem Ball
H. McCoy	Peach Bottom	BWR	Rem Ball transitioning to Ludlum
	Point Beach 1,2	2LW	
D. Nathan	Prairie Island 1,2	2LW	Rem ball
	Quad Cities	BWR	
Lawrence	Robinson	3LW	Ludlum 12-4 + Remball
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
B. Sechl	Seabrook	4LW	Rem 500, Rem Ball
N. Nolen	Sequoyah 1,2	4LW	REMBALL
S. Jones	South Texas 1,2	4LW	Rem ball - Ludlum 12-4
	St. Lucie 1,2	CE	
Doug Van Horn	Surry 1,2	3LW	Rem Ball in containment, Rem 500 for ISFSI work
	Turkey Point 1,2	3LW	
H. Gibson	VC Summer	3LW	Rem ball
Fulghum	Vogtle 1,2	4LW	Remball currently waiting on fleet procedure for new instrument
	Waterford	CE	
K. Weirich	Watts Bar	4LW	Rem Ball
R. Carraway	Wolf Creek	4LW	Remball, in process switching

Tony H. N. R. N. BWR Rem Ball

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Topic: In vessel crud burst
 Has your plant done this? ALARA plans? OE?

Name: Ashley Lawrence

Contact Info: Robinson 843-951-5670

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fentel	Beaver Valley 1,2	3LW	Not sure what this is but we do isolate all loops
J. Coughlin	Braidwood 1,2	4LW	No
S. Leach	Byron 1,2	4LW	No
A. Enloe	Callaway	4LW	No Full RCS
	Calvert Cliffs	CE	
L. Chupp	Catawba 1,2	4LW	No
	Clinton	BWR	
Cris Mingus	Davis Besse	B&W	No
McLure	DC Cook 1,2	4LW	No
	Diablo Canyon 1,2	4LW	
Steve	Farley 1,2	3LW	Not vessel only, Full RCS.
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
Lloyd Frink	Indian Point 2,3	4LW	No, prefer full system deced based on OE
	LaSalle	GE, BWR	
N. Calero	McGuire 1,2	4LW	No
	Millstone 3,2	4LW, CE	
Bill	Nine Mile Pt	B&W , BWR	No

Tony Han Riverbend BWR No

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 27-29, 2020

Topic: <u>In Vessel Crd Burst</u>			
Name: <u>Ashley Lawrence</u>		Contact Info:	
Contact (Name)	Plant	SSSS	Comments
<u>BRAD PLEASANTS</u>	North Anna 1,2	3LW	<u>NO</u>
<u>Bill Meldrum</u>	Oconee 1,2,3	B&W	<u>Yes. No AP needed controlled by STRT script and posting procedure</u>
	Palisades	CE	
<u>A. Williams</u>	Palo Verde 1,2,3	CE	<u>NO</u>
<u>H McCorry</u>	Peach Bottom	BWR	<u>NO</u>
	Point Beach 1,2	2LW	
<u>D Mark</u>	Prairie Island 1,2	2LW	<u>NO</u>
	Quad Cities	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
<u>Baehl</u>	Seabrook	4LW	<u>no. full RCS crd B-S</u>
<u>Nolen</u>	Sequoyah 1,2	4LW	<u>No</u>
<u>Jonah Morgan</u>	South Texas 1,2	4LW	<u>No</u>
	St. Lucie 1,2	CE	
<u>Doug Van Horebeek</u>	Surry 1,2	3LW	<u>No</u>
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
<u>Fulghum</u>	Vogtle 1,2	4LW	<u>Full RCS crd burst.</u>
	Waterford	CE	
<u>R. WEIRICH</u>	Watts Bar	4LW	<u>No</u>
<u>R. Carraway</u>	Wolf Creek	4LW	<u>No</u>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 27-29, 2020

Topic: What contamination level do you try to achieve in the reactor cavity following drain down?

Name: Cris Mingus

Contact Info: cmingus@firstenergycorp.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jeff Fontaine</u>	Beaver Valley 1,2	3LW	$< 50,000 \text{ dpm}/100 \text{ cm}^2$
<u>J. Coughlin</u>	Braidwood 1,2	4LW	$< 50 \text{ K dpm}/100 \text{ cm}^2$
<u>S. Greesh</u>	Byron 1,2	4LW	$< 50 \text{ K dpm}/100 \text{ cm}^2$
<u>A. Enloe</u>	Callaway	4LW	$< 100 \text{ K}$ most areas are less than 50 K
	Calvert Cliffs	CE	
<u>L. Chupp</u>	Catawba 1,2	4LW	$< 50 \text{ K dpm}/100 \text{ cm}^2$, usually $10 \text{ K dpm}/100 \text{ cm}^2$
	Clinton	BWR	
	Davis Besse	B&W	
<u>mm</u>	DC Cook 1,2	4LW	$< 50 \text{ K}$ typically 10 Kish .
	Diablo Canyon 1,2	4LW	
<u>Steve</u>	Farley 1,2	3LW	$50 \text{ K dpm}/100 \text{ cm}^2$
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<u>Lloyd Frank</u>	Indian Point 2,3	4LW	$< 50 \text{ K dpm}/100 \text{ cm}^2$
	LaSalle	GE, BWR	
<u>N. CALERO</u>	McGuire 1,2	4LW	$< 50 \text{ K dpm}/100 \text{ cm}^2$
	Millstone 3,2	4LW, CE	
<u>Bill</u>	Nine Mile Pt	B&W, BWR	$\leq 50 \text{ K}$ - Procedure States 100 K

HIGH INTEREST TOPIC AND QUESTIONNAIRE
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Topic: What Contamination level do you try to achieve in the reactor cavity following drain down?

Name: Cris Mingus

Contact Info: Cmingus@firstenergy corp.com

Contact (Name)	Plant	NSSS	Comments
Beas Pleasants	North Anna 1,2	3LW	< 100K but usually better
B. II Meldrum	Oconee 1,2,3	B&W	< 50K, but typically see < 10K
	Palisades	CE	
A.W. Illiano	Palo Verde 1,2,3	CE	< 50K
Brandon	Peach Bottom	BWR	< 100K, but have allowed at 50mRad w/ resp protection things moving to get
	Point Beach 1,2	2LW	
D. Martin	Prairie Island 1,2	2LW	< 25K Average
	Quad Cities	BWR	
A. Lawrence C. Branham	Robinson	3LW	< 50K
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
	Seabrook	4LW	
Nolen	Sequoyah 1,2	4LW	< 50K
Jonah	South Texas 1,2	4LW	< 20K
	St. Lucie 1,2	CE	
Poughkeepsie	Surry 1,2	3LW	< 100K Max Mostly < 50K
	Turkey Point 1,2	3LW	
Higgins	VC Summer	3LW	< 50K
Fulghum	Vogtle 1,2	4LW	Two stage process "Gross" cavity decon for dose reduction Second stage "Detailed" goal is < 50,000 dpm/100 cm ²
	Waterford	CE	
	Watts Bar	4LW	Pushing for 50K next RFO
French	Wolf Creek	4LW	< 50K

Tony Han

Roussin BWR

< 100K

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Topic: Do welding, cutting, grinding have the same weighting factors for ALARA-DAC calculations? Is there factors used for engineering controls?
 Name: Cris Mingus Contact Info: cmingus@firstenergy corp.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jess Fontana</u>	Beaver Valley 1,2	3LW	<u>Yes, No</u>
<u>J. Coughlin</u>	Braidwood 1,2	4LW	<u>Yes, No</u>
<u>S. Leach</u>	Byron 1,2	4LW	<u>Yes, No</u>
<u>A. Enloe</u>	Callaway	4LW	<u>e-mail for info will have to look up spec</u>
	Calvert Cliffs	CE	
<u>L. Chubb</u>	Catawba 1,2	4LW	<u>Yes, No</u>
	Clinton	BWR	
	Davis Besse	B&W	
<u>MG</u>	DC Cook 1,2	4LW	<u>Yes, No</u>
	Diablo Canyon 1,2	4LW	
	Farley 1,2	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<u>Lloyd Frank</u>	Indian Point 2,3	4LW	<u>Procedurally derived</u>
	LaSalle	GE, BWR	
<u>N. GALERO</u>	McGuire 1,2	4LW	<u>YES, & NO</u>
	Millstone 3,2	4LW, CE	
<u>BIM</u>	Nine Mile Pt	B&W, BWR	<u>See Peach Bottom</u>

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Topic: Do welding, cutting, grinding have the same weighting factors for ALARA-DAC calculations? Is there factors used for engineering controls?
 Name: Cris Mingu Contact Info: cmingus@firstenergycorp.com

Contact (Name)	Plant	NSSS	Comments
Brad Pleasants	North Anna 1,2	3LW	EMAIL ME FOR DATA
Bill Meldrum	Oconee 1,2,3	B&W	IDK, email me after
	Palisades	CE	
A. Williams	Palo Verde 1,2,3	CE	yes - No
Brandon Dizebha	Peach Bottom	BWR	brandon.dizebha@exeloncorp.com - email for program we use
	Point Beach 1,2	2LW	
D Martin	Prairie Island 1,2	2LW	Yes/Yes
	Quad Cities	BWR	
Branham	Robinson	3LW	yes, email me
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Boehl	Seabrook	4LW	yes, No
Nolan	Sequoyah 1,2	4LW	JLNOLAN@TVA.GOV I can send data.
Jonah	South Texas 1,2	4LW	Yes, we fill conservative
	St. Lucie 1,2	CE	
Doug VanHornbeke	Surry 1,2	3LW	Email for specifics
	Turkey Point 1,2	3LW	
Higgins	VC Summer	3LW	yes, no
	Vogtle 1,2	4LW	
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	no can send worksheet. KWEIRICH@TVA.GOV
French	Wolf Creek	4LW	NO -

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Topic: Have you used hydrophobic coatings? What was the cost to benefit ratio? (Is it worth it?)

Name: Cris Mingus

Contact Info: cmingus@firstenergy corp.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jeff Fontaine</u>	Beaver Valley 1,2	3LW	Yes for Dry Cask
<u>J. Couglin</u>	Braidwood 1,2	4LW	No
<u>S. Geach</u>	Byron 1,2	4LW	NO
<u>A Enloe</u>	Callaway	4LW	NO would look if chem issues resolved
	Calvert Cliffs	CE	
<u>L Chupp</u>	Catawba 1,2	4LW	NO
	Clinton	BWR	
	Davis Besse	B&W	
<u>McLean</u>	DC Cook 1,2	4LW	NO
	Diablo Canyon 1,2	4LW	
<u>Steve</u>	Farley 1,2	3LW	never used
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<u>Lloyd Frick</u>	Indian Point 2,3	4LW	Have not used yet
	LaSalle	GE, BWR	
<u>N. Calero</u>	McGuire 1,2	4LW	No
	Millstone 3,2	4LW, CE	
<u>Bill</u>	Nine Mile Pt	B&W, BWR	No, Not approved by Site Chemistry

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 27-29, 2020

Topic: Have you used hydrophobic coatings? What was the cost to benefit ratio? (Is it worth it?)

Name: Cris Mingus

Contact Info: cmingus@firstenergycorp.com

Contact (Name)	Plant	SSSS	Comments
<u>Bern Pleasants</u>	North Anna 1,2	3LW	<u>NO</u>
<u>Bill Meldrum</u>	Oconee 1,2,3	B&W	<u>Yes, but irregularly. Rain-X type coating reduced contamination on Bx Head in sp robot 100wRed to 70 K</u>
	Palisades	CE	
<u>A.W. Williams</u>	Palo Verde 1,2,3	CE	<u>No</u>
<u>H McCroskey</u>	Peach Bottom	BWR	<u>NO</u>
	Point Beach 1,2	2LW	
<u>Ormat</u>	Prairie Island 1,2	2LW	<u>No</u>
	Quad Cities	BWR	
<u>Lawrence</u>	Robinson	3LW	<u>Yes, Once during dry fuel campaign. Cask came out the same as without the coating and we had issues removing from cask.</u>
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
<u>Boehl</u>	Seabrook	4LW	<u>Never Sed.</u>
<u>Nolen</u>	Sequoyah 1,2	4LW	<u>No</u>
<u>Jouch</u>	South Texas 1,2	4LW	<u>Wot @ STP, but at River bend and yes</u>
	St. Lucie 1,2	CE	
<u>Doug Van Hoorebeek</u>	Surry 1,2	3LW	<u>No. Would be interested for NUKOMS TC</u>
	Turkey Point 1,2	3LW	
<u>Higginbotham</u>	VC Summer	3LW	<u>No clearly RISAS</u>
<u>Eric Fulghum</u>	Vogtle 1,2	4LW	<u>No, considered for UFLO but chemistry issues</u>
	Waterford	CE	
<u>K. Weirich</u>	Watts Bar	4LW	<u>No</u>
<u>French</u>	Wolf Creek	4LW	<u>NO</u>

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 27-29, 2020

Topic: *What is the lowest dose outage for your site*

Name: *Kevin Weinich*

Contact Info: *KOWEIRICH @ TVA.GOV*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fountain</i>	Beaver Valley 1,2	3LW	<i>23 rem</i>
<i>J. Coughlin</i>	Braidwood 1,2	4LW	<i>16.7 Rem</i>
<i>S. Ceech</i>	Byron 1,2	4LW	<i>20.2 REM</i>
<i>A Enloe</i>	Callaway	4LW	<i>~ 25 Rem</i>
	Calvert Cliffs	CE	
<i>L. Chupp</i>	Catawba 1,2	4LW	<i>38.731 Rem</i>
<i>F. Owens</i>	Clinton	BWR	<i>16.0490 Rem</i>
<i>Cris Mingus</i>	Davis Besse	B&W	<i>46.861 Rem</i>
<i>McLew</i>	DC Cook 1,2	4LW	<i>~ 26 Rem</i>
	Diablo Canyon 1,2	4LW	
<i>Steve</i>	Farley 1,2	3LW	<i>28 rem</i>
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<i>Lloyd Franklin</i>	Indian Point 2,3	4LW	<i>38 Rem</i>
	LaSalle	GE, BWR	
<i>N. CALERO</i>	McGuire 1,2	4LW	<i>U1 - 55.847 Rem U2 - 39.272 Rem</i>
	Millstone 3,2	4LW, CE	
<i>Bill</i>	Nine Mile Pt	BWR BWR	<i>last 10 yrs. U1 = 82.410 Rem U2 = 191.5 Rem</i>
<i>Tony Hor</i>	<i>Riverbend</i>	<i>BWR</i>	<i>~ 146 Rem</i>

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 Key West, FL January 27-29, 2020

Topic: Lowest Site RFO outage dose			
Name: Kevin Weinicht		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Brad Pleasants	North Anna 1,2	3LW	28 Rem
	Oconee 1,2,3	B&W	U1 - 23.5 R U2 - 36.4 R U3 - 33.4 R All values in SRD
	Palisades	CE	
A. Williams	Palo Verde 1,2,3	CE	13.4 REM
H McCooey	Peach Bottom	BWR	105
	Point Beach 1,2	2LW	
	Prairie Island 1,2	2LW	20⁶ Rem < 20 After DLR Read.
	Quad Cities	BWR	
A. Lawrence	Robinson	3LW	61.370 Rem SRD 52.663 Rem DLR
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Boehl	Seabrook	4LW	28 rem
	Sequoyah 1,2	4LW	
Jonah May	South Texas 1,2	4LW	28 Rem
	St. Lucie 1,2	CE	
Doug VanHorn	Surry 1,2	3LW	29 Rem
	Turkey Point 1,2	3LW	
Higginbotham	VC Summer	3LW	38 Rem
Eric Fulghum	Vogtle 1,2	4LW	42 Rem Unit 1 30 Rem Unit 2 Both are DLR dose
	Waterford	CE	
	Watts Bar	4LW	22.295 REM
French	Wolf Creek	4LW	44.6 Rem