

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: Do you use plant supplied modesties? If so are they clean waste or Rad material?
 Name: Erin Stalneckner Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	BV does not provide modesties
Joc	Braidwood 1,2	4LW	clean - monitor out
Charles Dancy	Browns Ferry	BWR	Plant supplies scrubs. Monitor out.
	Brunswick	BWR	
Scott Couch	Byron 1,2	4LW	Beaver Valley clean scrubs scrubs monitored out
Gillian	Callaway	4LW	Scrub Pants + T SHIRTS - Clean
	Catawba 1,2	4LW	
Frank Owens	Clinton	BWR	Scrubs - Clean
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	work groups & contractor provide them + they are available to store them
Felix Martinez	Diablo Canyon 1,2	4LW	Station provides scrubs
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
	Millstone 3,2	4LW, CE	
	Nine Mile Pt	B&W, BWR	
Nathan Flannery	North Anna 1,2	3LW	Orex modesties, clean,

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Contact Info:

Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	Yes - orex modesties.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Martin	Prairie Island 1,2	2LW	Unitach Laundry wash / Clean
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
K. Buehl	Seabrook	4LW	1 Time Pickle of Scrubs. Clean.
HERTZ	Sequoyah 1,2	4LW	No.
Jonah	South TX Project 1,2	4LW	No
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	W: don't supply Specific jobs will OREX modesties
	Waterford	CE	
Willie Taylor	Watts Bar	4LW	DON'T supply
	Wolf Creek	4LW	
Scarberry	Other		GE - unitach modestys - Individuals take Home + Laundry

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Topic: How do you track dose for ISI work? Barcodes? w.o.? Especially b/c they go to so many areas.

Name: Erin Stalneckner

Contact Info: erin.s.stalneckner@dominionenergy.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	multiple RWP tasks used to breakdown exposure
Joel	Braidwood 1,2	4LW	work orders, specific RWPs
Charles Ownby	Browns Ferry	BWR	work orders
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	Work orders
Gillian	Callaway	4LW	Multiple RWPs, scan jobs @ login
	Catawba 1,2	4LW	
Frank Owens	Clinton	BWR	Different RWP/asks.
	Davis Besse	B&W	
Mike McLon	DC Cook 1,2	4LW	Work orders
Felix Martinez	Diablo Canyon 1,2	4LW	ISI-SPECIFIC RWP. THEY SEND ME MAPS OF ALL THEIR ROUTES INSPECTION AREAS, WORK ORDERS ONLINE: WORK ORDERS
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
	Millstone 3,2	4LW, CE	
	Nine Mile Pt	B&W, BWR	
Neilan Harrington	North Anna 1,2	3LW	The insulators brief with ALARA before RPA entry, so we know what they worked that shift (not perfect system)

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Bill Meldrum	Oconee 1,2,3	B&W	RWP for ISI. WO scan for most inspections.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Mark	Prairie Island 1,2	2LW	Workorders assigned to RWP tasks
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	Work orders, multiple tasks on RWP.
HERTZ	Sequoyah 1,2	4LW	we use WOs, but ^{mostly} only track dose to system level. Ex- System 68 parent WO will have 15 child WOs, we use the parent.
Donah	South TX Project 1,2	4LW	Work Orders
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Separate tasks on RWP.
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	WORK ORDERS RWP TASKS
	Wolf Creek	4LW	
	Other		

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: ~~Cons~~ **Who owns your station's SCBA PROGRAM**

Name: **FELIX MARTINEZ**

Contact Info: **FELIX.MARTINEZ@PAGE.COM**

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	RP
Joe C	Braidwood 1,2	4LW	RP
Charles Aubrey	Browns Ferry	BWR	Occupancy does mask RPs but Fire Ops owns & maintains them.
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	RP
GILLIAM	Callaway	4LW	RP
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	RP
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	Fire Protection, R powered it before they in process
FELIX MARTINEZ	Diablo Canyon 1,2	4LW	RP
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
E. Stalneck	Millstone 3,2	4LW, CE	RP, I would be interested in any learnings from this.
	Nine Mile Pt	B&W, BWR	
Nolan Harris	North Anna 1,2	3LW	RP and Safety: RP controls respiratory protection program, but Safety maintains the fire team SCBA's

to BNC to Key

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Contact Info:

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Bill Meldrum	Oconee 1,2,3	B&W	RP
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Don Math	Prairie Island 1,2	2LW	RP
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
K. Boehl	Seabrook	4LW	RP
HERTZ	Sequoyah 1,2	4LW	RP
J. Smith	South TX Project 1,2	4LW	RP
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2	3LW	RP for maintenance + issue. OPS, for purchasing and logistics
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	RP
	Waterford	CE	
	Watts Bar	4LW	OPS / FIRE OPS
	Wolf Creek	4LW	
Scarbory	Other		GE - RP

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
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Topic: *Online PMS - How many per unit for 18 month PMS*

Name: *K Weirich*

Contact Info: *kaweirich@TVA.gov*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
	Beaver Valley 1,2	3LW	
<i>JocC.</i>	Braidwood 1,2	4LW	<i>NOT sure, email</i>
<i>Charles Dunkley</i>	Browns Ferry	BWR	<i>email</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>unsure, email after conference</i>
<i>Gillian</i>	Callaway	4LW	<i>Email me. In Ask work mont</i>
	Catawba 1,2	4LW	
<i>Frank Owens</i>	Clinton	BWR	<i>not sure can email me after conference</i>
	Davis Besse	B&W	
<i>Mike McLev</i>	DC Cook 1,2	4LW	<i>I will email. the data.</i>
<i>Paul Martinez</i>	Diablo Canyon 1,2	4LW	<i>NEED TO GETA MORE. PLEASE EMAIL</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>email me + I can try to get an answer - erin S. Stalneck@dominioneenergy.com</i>
	Nine Mile Pt	B&W, BWR	
<i>Nolan Harris</i>	North Anna 1,2	3LW	<i>email me - I will consult our planning group</i>

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Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
B. '11 Meldrum	Oconee 1,2,3	B&W	Too many to count
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Mat	Prairie Island 1,2	2LW	1/2 what we use to have.
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	
HERTZ	Sequoyah 1,2	4LW	not sure. email for follow-up
Jonh	South TX Project 1,2	4LW	email for number
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Email for actual number, but its extremely too many.
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	490
	Wolf Creek	4LW	
	Other		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RFO

RP-ALARA Association

Key West, FL

January 23-25, 2023

Topic: Scaffolding dose - how to you account for dose after scope freeze or emergent.

Name: E. Stalneckner

Contact Info: Erin.S.Stalneckner@dominioneergy.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	We require an emergent dose form. This form is valuable, if dose goal is exceeded.
Joel	Braidwood 1,2	4LW	Put on emergent dose RWP
Charles Burley	Browns Ferry	BWR	Emergent dose form with thresholds that require different levels of mgmt approval.
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	use emergent dose RWP task
GILLIAN	Callaway	4LW	Budget dose by scaffold, SEPERATE RWPs for Emergent work
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	We use emergent dose RWP to track dose in outage
	Davis Besse	B&W	
MIKE McLEN	DC Cook 1,2	4LW	We track as scope add using A scope add task on the RWP
Felix Martinez	Diablo Canyon 1,2	4LW	WE HAVE AN EMERGENT WORK RWP ACTIVE AFTER OUTAGE START. ANY NEW JOBS GETS ASSIGNED TO IT
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
	Millstone 3,2	4LW, CE	
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	attempt to have crews use WO numbers, try to track as outage progresses.

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Topic:			
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Bill Meldrum	Oconee 1,2,3	B&W	What is Scope Freeze! We roll into an outage still writing tasks. They aren't "growth" unless you write a new WD.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Mart	Prairie Island 1,2	2LW	Work order task written for SARFOLA Instance/Terr down
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	Nothing if ALARA Review is within 125%, Document in TOB JIR.
Hertz	Sequoyah 1,2	4LW	Emergent scope is tagged as such in Maximo. Outage estimate includes 7-12% bank to accommodate scope expansion.
Donsch	South TX Project 1,2	4LW	More dose to emergent bucket
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Emergent dose form, Dose approved by Supervisor up to 25 mrem, Manager 50 mrem, Plant Manager 100 mrem
	Waterford	CE	
ILWE IRKH	Watts Bar	4LW	budget accordingly until T-1 We use our bank after outage starts
	Wolf Creek	4LW	
	Other		

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Use of Robots in RCA*

Name: *David Jennings*

Contact Info: *david.jennings@energy.com*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Ferbine</i>	Beaver Valley 1,2	3LW	<i>None</i>
<i>Joe C</i>	Braidwood 1,2	4LW	<i>Have some but only emergent issues</i>
<i>Charles Dunby</i>	Browns Ferry	BWR	<i>Drone + Spot - we have 2 truck type robots as well.</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>Yes, but not often</i>
<i>Gillian</i>	Callaway	4LW	<i>Not yet, will use spot once cyber approves</i>
	Catawba 1,2	4LW	
<i>Frank Owens</i>	Clinton	BWR	<i>1 Robot used for He testing. Also have drones</i>
	Davis Besse	B&W	
<i>Mike McLean</i>	DC Cook 1,2	4LW	<i>None at this time</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>NOT YET. FLIR ROCKET SICA. GETTING APPROVALS FOR REMOTE OPS</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>No technology @ MPS. Pushing for it.</i>
	Nine Mile Pt	B&W, BWR	
<i>Nelson Harris</i>	North Anna 1,2	3LW	<i>Use Drone frequently for inspections of hangers to avoid building scaffolding, and during head lifts</i>

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Topic: _____

Name: _____ Contact Info: _____

Contact (Name)	Plant	NSSS	Comments
B. '11 Meldrum	Oconee 1,2,3	B&W	Pack Bot since 2012, Elias I since 2017. Avoids down-power, search loops from 1mb/hr area. can send details.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dr. Mark	Prairie Island 1,2	2LW	Not yet but have spot/Deanes
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	
HERTZ	Sequoyah 1,2	4LW	Drones for high dose rate inspections. We bought Spot and Snake. Working on determining uses.
Jonah	South TX Project 1,2	4LW	2 Drones - for Polar Crane inspections
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Working thru this now, corporate has drones. Spot Awaiting.
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	Corporate has drones & spot deploy ^{waiting to}
	Wolf Creek	4LW	
	Other		

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Key West, FL

January 23-25, 2023

Topic: *What method do you use to upload RWP/estimate/risk codes to Workorder tasks?*

Name: *Bill Meldrum*

Contact Info: *William.meldrum@duke-energy.com*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fountain</i>	Beaver Valley 1,2	3LW	<i>SAP entry</i>
<i>Joel</i>	Braidwood 1,2	4LW	<i>Sentinel</i>
<i>Charles Oulay</i>	Browns Ferry	BWR	<i>HES-20 + Maximo interface.</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>Sentinel</i>
	Callaway	4LW	
	Catawba 1,2	4LW	
<i>Frank Owens</i>	Clinton	BWR	<i>Sentinel</i>
	Davis Besse	B&W	
<i>Mike McKee</i>	DC Cook 1,2	4LW	<i>Sentinel</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>Sentinel</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>Working on it. HES-20 for estimate for RWPs, but looking into Pb to add estimates.</i>
	Nine Mile Pt	B&W, BWR	
<i>Neilan Harris</i>	North Anna 1,2	3LW	<i>HES-20 for RWP estimates, each was given a projection in pams/p6</i>

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Contact (Name)	Plant	NSSS	Comments
	Oconee 1,2,3	B&W	
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
<i>David M. A.</i>	Prairie Island 1,2	2LW	<i>SAP - Sentinel</i>
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	
<i>HEETZ</i>	Sequoyah 1,2	4LW	<i>MAXIMO handles RWP's & APALARA Plan to WO. HIS-20 manages RWP's & gets exported data from Maximo.</i>
<i>Jonah</i>	South TX Project 1,2	4LW	<i>By hand in excel</i>
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
<i>Eric Fulghum</i>	Vogtle 1,2	4LW	<i>HIS-20, Maximo P6</i>
	Waterford	CE	
<i>K. Weirich</i>	Watts Bar	4LW	<i>HIS - 20</i>
	Wolf Creek	4LW	
	Other		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: Looking for Examples of 5 Year ALARA Dose reduction Plans and any process guidance

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
David Martin	Prairie Island	2LW	ALARA dose review by procedure -
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
Buehl	Seabrook	4LW	Only Reg if losing Points email me
HERTZ	Sequoyah	4LW	
Donah	South Texas	4LW	only Reg if losing INPO Points
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
William Fulghum	VC Summer	3LW	Will email you ours
	Vogtle	4LW	
	Waterford	CE	
K. Weinich	Watts Bar	4LW	yes I will will send
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Charles Oraby	Beaumont Ferry	BWR	Email me.

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Topic: Looking for Examples of 5 Year ALARA Dose reduction Plans and any process guidance

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
 269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
	Beaver Valley	3LW	
Joel	Braidwood	4LW	actions only
Scott Leach	Byron	4LW	action items only
William	Callaway	4LW	No Plan, only action item tracking
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
	DC Cook	4LW	
Geno Martinez	Diablo Canyon	4LW	NO PLAN DUE TO PLANNED CLOSURE. I'll send what we had as I have to write another
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
Stalneck	Millstone	4LW, CE	Ours isn't the best. I'll email you.
Nedra Harris	North Anna	3LW	will send you ours - must be approved by Station ALARA committee
Bill Meldrum	Oconee	B&W	will send procedure + latest to yr email
	Palisades	CE	
	Palo Verde	CE	

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Topic: 3D mapping & virtual environment: What software are you using & have you been successful?			
Name: JOHN HERTZ		Contact Info: jjhertz@tragov	
Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
	Beaver Valley 1,2	3LW	
JOE C	Braidwood 1,2	4LW	360 camera
Charles Dunley	Browns Ferry	BWR	None
	Brunswick	BWR	
Scott Zelnick	Byron 1,2	4LW	None
William	Callaway	4LW	SCANNED PORTION OF RCA w/ LEICA CAM. TO PROCESS IMAGES
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	Have not done
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	Not Yet
Geul Martinez	Diablo Canyon 1,2	4LW	BOTH CONTAINMENTS MAPPED. CURRENTLY TRYING TO ACCESS DATA.
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalmecker	Millstone 3,2	4LW, CE	- Nada, but very interested.
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	Engineering did both units containments but RP doesn't really utilize th.3 much

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Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	We have an in-house Metrology team. All scans run on Scene 2 Go, and Adobe 3D models. Email for details.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
David Mott	Prairie Island 1,2	2LW	Yes not sure of program used.
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	not sure of name
	Sequoyah 1,2	4LW	Jetstream
Jonch	South TX Project 1,2	4LW	None
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulkum	Vogtle 1,2	4LW	1+2 containment Quantapoint laser scans 3+4 Navis 3D Rendering, 360 Images done "in-house"
	Waterford	CE	
K. Weirich	Watts Bar	4LW	Leica, mtr
	Wolf Creek	4LW	
	Other		

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: How much dose for STEAM GENERATOR MAINTENANCE?

Name: Adam Gilliam

Contact Info: agilliam@ameren.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	~ 9 rem
JOCC	Braidwood 1,2	4LW	same Byron
Chap Dunsby	Browns Ferry	BWR	BWR
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	8 Rem u-1 12 Rem u-2
	Callaway	4LW	10 Rem
	Catawba 1,2	4LW	
Frank Azzels	Clinton	BWR	BWR 6
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	12 Rem
Felix Martinez	Diablo Canyon 1,2	4LW	4.4R
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalhecker	Millstone 3,2	4LW, CE	U3 → ~ 11 Rem for Priming & secondary work.
	Nine Mile Pt	B&W, BWR	
N. Harris	North Anna 1,2	3LW	~ 10 rem, only do once every five cycles now

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
<i>Bill Mel drum</i>	Oconee 1,2,3	B&W	1700 - 2100 mR
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
<i>Dave Mart</i>	Prairie Island 1,2	2LW	5.5 5.5 Rem
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
<i>Buell HERTZ</i>	Seabrook	4LW	8 rem
	Sequoyah 1,2	4LW	U1 = 11 REM U2 = 8 REM
<i>Donah</i>	South TX Project 1,2	4LW	U1 - 215 Rem U2 - 19 Rem
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
<i>Eric Fulghum</i>	Vogtle 1,2	4LW	Total: 15-18 Rem, Eddy Current 7-10 Rem (Unit 1 Every Outage) Unit 2 Every Other
	Waterford	CE	
<i>K. Wainich</i>	Watts Bar	4LW	8-10 Rem
	Wolf Creek	4LW	
	Other		

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 23-25, 2023

Topic: Bottle Bolt / Clevis Bolt Replacement Info
 Name: David Martin Contact Info: C 917-239-8300
P 651-267-6053 Keel Energy - Can
David.R.Martin@keel

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jeff Fontana</u>	Beaver Valley 1,2	3LW	<u>Inspection only</u>
<u>JOC C</u>	Braidwood 1,2	4LW	<u>No</u>
<u>Charles Dunby</u>	Browns Ferry	BWR	<u>BWR-4</u>
	Brunswick	BWR	
<u>Scott Leach</u>	Byron 1,2	4LW	<u>No</u>
<u>GILLIAM</u>	Callaway	4LW	<u>Inspection only</u>
	Catawba 1,2	4LW	
<u>FRANK WOODS</u>	Clinton	BWR	<u>BWR-4</u>
	Davis Besse	B&W	
<u>Mike McLane</u>	DC Cook 1,2	4LW	<u>Replaced all in both units</u>
<u>FELIX MARTINEZ</u>	Diablo Canyon 1,2	4LW	<u>MOST BOLTS PASSED.</u>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
	Millstone 3,2	4LW, CE	
	Nine Mile Pt	B&W, BWR	
<u>N. Harris</u>	North Anna 1,2	3LW	<u>Unsure, will research and get back with you</u>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	Inspection only so far...
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
	Prairie Island 1,2	2LW	
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	not performed
Hertz	Sequoyah 1,2	4LW	inspection only
Soum	South TX Project 1,2	4LW	not performed
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Inspection only
	Waterford	CE	
K. Weinlich	Watts Bar	4LW	inspection only
	Wolf Creek	4LW	
	Other		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: <i>How do you automate Work Order dose estimates?</i>			
Name: <i>JOHN HERTZ</i>		Contact Info: <i>jjhertz@tva.gov</i>	
Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fentam</i>	Beaver Valley 1,2	3LW	<i>We do not</i>
<i>JOC</i>	Braidwood 1,2	4LW	<i>Not automated</i>
<i>Charles Anley</i>	Browns Ferry	BWR	<i>Not automated but consider historical performance</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>Not Automated</i>
<i>GILLIAM</i>	Callaway	4LW	<i>PMs have dose from last performance auto-populated</i>
	Catawba 1,2	4LW	
<i>Frank Owens</i>	Clinton	BWR	<i>We do not</i>
	Davis Besse	B&W	
<i>Mike McLean</i>	DC Cook 1,2	4LW	<i>NO but looking to do this in the near future</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	① AUTO ASSIGNMENT FOR JOB IN AREAS WITH Ø-MR DOSE HISTORICALLY. ② NO OTHER AUTOMATION. ONLY PROCESS ENHANCEMENTS
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>MAST has the ability, but will communicate w/ Pb - need to work on this still</i>
	Nine Mile Pt	B&W, BWR	
<i>Neilan Harris</i>	North Anna 1,2	3LW	<i>Not automated but it would be nice</i>

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	we don't
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Mark	Prairie Island 1,2	2LW	Borax + Ready Work orders Photo Sentinel
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Buehl	Seabrook	4LW	we keep a Data Base
	Sequoyah 1,2	4LW	
Donk	South TX Project 1,2	4LW	we do not
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Not automated, running databases.
	Waterford	CE	
K. Weinrich	Watts Bar	4LW	not automated
	Wolf Creek	4LW	
	Other		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: Has your plant made power entries for RCP oil adds? If so what power level, can you use telemetry transmitters in containment at power?

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
 269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
David Mat	Prairie Island	2LW	Yes / 100% oil addition - No telemetry
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	Yes, 100% NO
HERTZ	Sequoyah	4LW	No. would involve downpower to ~30%. No transmitting while at power.
Jonah	South Texas	4LW	Yes, 100%, and Yes. 3 ^{Answer installed} trans at Power 24/7
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle	4LW	No.
	Waterford	CE	
ik. Weinsch	Watts Bar	4LW	Yes / 30% / not currently
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Charles Aubrey	BWR BWR	BWR	No, have done Reactor, No telemetry
SCARBERRY	NMP	BWR	Yes, 40% Reactor Pwr in Drywell, Limited Telemetry

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: Has your plant made power entries for RCP oil adds? If so what power level, can you use telemetry transmitters in containment at power?

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
 269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fatah	Beaver Valley	3LW	Yes, 100%, No
Joc	Braidwood	4LW	yes. cant vsc
Scott Leach	Byron	4LW	Yes, 100%, no
William	Callaway	4LW	Not That Im aware of
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
Mike Mclean	DC Cook	4LW	Yes, 100%, currently cannot use telemetry in containment at power
Felix Martinez	Diablo Canyon	4LW	Yes. 100% power. cant currently use telemetry in CTMT @ PWR
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
Stalneck	Millstone	4LW, CE	U2 - All the time. 100%. Haven't tried for telemetry.
Neila Harris	North Anna	3LW	Yes, and yes* doesn't transmit outside CTMT, but local laptop used for monitoring
Bill Meldrum	Oconee	B&W	Yes, a while back. cant remember details, email & I'll follow up.
	Palisades	CE	
	Palo Verde	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: What is Refueling Cavity Decontamination general process, pressure wash, chemicals used, duration and target end results?

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
 269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Don Martz	Prairie Island	2LW	Sent Email. talk to me.
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	mop + Spray, Cover w/ headlites. 100K
HERTZ	Sequoyah	4LW	pressure wash, concrete scrubbers, mop, 4 hrs 50K-100K (usually <50K)
Sonah	South Texas	4LW	Pressure wash, mop, squeegee <100K <4 hrs
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle	4LW	Performed following Rx Head Sat, low pressure + squeegee first, then 5,000 PSI pressure washer (after 10 min soak of 5% hydrogen peroxide solution. <50,000 cpm/100cm ² GA
	Waterford	CE	
IL. Weinrich	Watts Bar	4LW	pressure wash, squeegee, no chem pressure wash 4 hours
	Wolf Creek	4LW	
	Framatome		
	BWXT		
FRANK DOBELS	Climax	B&W	hydrogen peroxide, pressure wash, chlorine solution squeegee, mop <100,000 cpm/100cm ² GA
Charles Enley	Brown Ferry	B&W	email me - mostly manual decan.

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: What is Refueling Cavity Decontamination general process, pressure wash, chemicals used, duration and target end results?

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	1
Jeff Fontaine	Beaver Valley	3LW	Pressure Wash <10,000 dpm/100cm ²
Joe C	Braidwood	4LW	Pressure Wash - 4 hrs
Scott Leese	Byron	4LW	Pressure Wash Detergent 8 - 4 hr to 6 hrs
GILLIAM	Callaway	4LW	Peroxide, Electric scrubbers, low pressure water. EARL DOWAYNE
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
Mike Mclean	DC Cook	4LW	Open hose rinse, Set Rx Head, Install Shroud to keep head clean and protect "O" ring, Peroxide soak, React/surface prep/peroxide, pressure wash. 8 hour's, Target <100k-preferred <50k.
Felix Martinez	Diablo Canyon	4LW	I'll get the info & email you
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
Stalneckel	Millstone	4LW, CE	H ₂ O + squeegee - not effective. Spring 2023 outage - will be trying w. H.
Norlan Harris	North Anna	3LW	Scotch brite on stick top part, water / Simple green on lower part, low pressure sprays / vacuum target <100k
Bill Meldrum	Oconee	B&W	Electric buffer, squeegee, mop. Target >50 K
	Palisades	CE	
	Palo Verde	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: What does your ALARA organization consist of (RP Tech's, Planners, exempt personnel)			
Name: Mike Mclean / DC Cook		Contact Info: mjmclean@aep.com 269-465-5901 ex.2342	
Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
David Martin	Prairie Island	2LW	2 - RP Foreperson / RFGS
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	1 Exempt
HERTZ	Sequoyah	4LW	1 - ALARA Superintendent 3 - ALARA Specialists + 1 - temp upgrade for outage
Jonch	South Texas	4LW	1 Supervisor, 1 Staff, 3 Techs
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle	4LW	1 Health Physicist (Specialist), 1 online tech, 1 outage tech
	Waterford	CE	
K. Weinich	Watts Bar	4LW	2 specialist @ 1 Health Physicist, 1 supervisor, 1 tender
	Wolf Creek	4LW	
	Framatome		
	BWXT		
FRANK OWERS	Clinton		2 ALARA Specialists / 1 ALARA outage planner
Charles Chubb	Brown's Ferry	B&W	Alara specialists, 1 Superintendent

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: What does your ALARA organization consist of (RP Tech's, Planners, exempt personnel)

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fountain	Beaver Valley	3LW	One supv. Three specialist
Joe C	Braidwood	4LW	Three planners
Scott Leach	Byron	4LW	Three planners
Gilliam	Callaway	4LW	One working formen, 2 supervisors split online / outage but have other data too
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
Mike Mclean	DC Cook	4LW	1 RP tech, 3 Exempt Planners, 1 Sup/GS
Felix Martinez	Diablo Canyon	4LW	(1) SUPERVISOR (2) TECHS (1) ENGINEER
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
Stalneck	Millstone	4LW, CE	1. Coordinator. 1. tech. 1. Supv.
Neilan Harris	North Anna	3LW	1 supv, 1 coordinator, 2 techs
Bill Meldrum	Oconee	B&W	2 exempt planners, 1-2 extra hourly ppl for outage
	Palisades	CE	
	Palo Verde	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: WHAT FIT TEST SOFTWARE DO YOU USE / WHAT SOFTWARE USED TO LOOK UP TRAINING, SIZE FOR ISSUE?

Name: ADAM GILLIAM

Contact Info: agilliam@ameren.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fentam	Beaver Valley 1,2	3LW	Portacount
Joel	Braidwood 1,2	4LW	Quanta Fit
Charles Dunby	Browns Ferry	BWR	Portacount + LMS + Pads
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	Quanta Fit
	Callaway	4LW	
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	Portacount, LMS.
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	MS + some
Felix Martinez	Diablo Canyon 1,2	4LW	PORTACOUNT
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalneck	Millstone 3,2	4LW, CE	email me! erin.s.stalneck@dominenergycy.co
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	portacount; HSS-20 + a dominion web-based program

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Bill Mel/drum	Oconee 1,2,3	B&W	Porta Count Plus
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Mord	Prairie Island 1,2	2LW	Porta Count - LMS/Sentinel
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	Porta Count + Sentinel
Hertz	Sequoyah 1,2	4LW	not sure. email me for follow-up. jjhertz@tva.gov
Jonah	South TX Project 1,2	4LW	Porta count, Sentinel, Oracle
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Porta count / HIS-20 / LMS
	Waterford	CE	
K. WEIR ICH	Watts Bar	4LW	Porta count / HIS-20
	Wolf Creek	4LW	
SCARBERRY	Other		GE - Porta count - RDMS

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: Do you display your RWP's electronically? Remotely on kiosks? If so, How?
 Erin

Name: Stalneckner

Contact Info: erin.s.stalneckner@dominican.edu

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	(copies) Not really. We do have them on 'All Drive'
Joe C	Braidwood 1,2	4LW	Kiosk @ login
Charles Conley	Browns Ferry	BWR	Our login screens allow view of RWP.
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	computer or kiosk
GILLIAM	Callaway	4LW	No, Printed Hardcopies. CAN view during Login w/ Sentinel
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	yes have ability to view on Sentinel access terminal
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	yes, on Sentinel Have a link on RP Home Page with RWP's & Alarms Plots
Geno Martinez	Diablo Canyon 1,2	4LW	RWPs DISPLAYED ON KIOSKS DURING SIGN-IN ARE AVAILABLE ON WEBSITES & PAPER
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
	Millstone 3,2	4LW, CE	
	Nine Mile Pt	B&W, BWR	
Neilon Harris	North Anna 1,2	3LW	Yes, on intranet page (when it works) and on kiosk next to WACS stations

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	on kiosk during Log In. RWP est/actual displayed on monitor in OCC during outage.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Mart	Prairie Island 1,2	2LW	Yes, Sentinel Kiosk and on website.
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	
HERTZ	Sequoyah 1,2	4LW	can be viewed at RCA login terminal. Also available via web viewer.
Jonah	South TX Project 1,2	4LW	On RP web page
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Yes, kiosk and RP Homepage.
	Waterford	CE	
K. Weirich	Watts Bar	4LW	Yes through the kiosk
	Wolf Creek	4LW	
Scarbary	Other		6E - No

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *How do you handle drinking water in the RCA & CAs?*
 Name: *John Hertz* Contact Info: *jshertz@tva.gov*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fontaine</i>	Beaver Valley 1,2	3LW	<i>Frisk hands and face, single use water bottle</i>
<i>JocC</i>	Braidwood 1,2	4LW	<i>RP controlled and issued</i>
<i>Charles Dunbar</i>	Browns Ferry	BWR	<i>Foot + operated fountains, Hands free and bottles. RP controlled.</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>RP controlled / issued</i>
<i>GILLIAM</i>	Callaway	4LW	<i>Procedure Controlled, FRISK HANDS + face, Daily contam. surveys</i>
	Catawba 1,2	4LW	
<i>FRANK DUBEL</i>	Clinton	BWR	<i>Procedure Driven, RP controlled, BOTTLES + fountains</i>
	Davis Besse	B&W	
<i>Mike McLane</i>	DC Cook 1,2	4LW	<i>Frisk, clean gloves RP monitors</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>WE BRING WATER FOUNTAINS INTO CTMT. BOTTLES WITH PERMISSION. ALL PROCEDURE CONTROLLED.</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalmeier</i>	Millstone 3,2	4LW, CE	<i>H2O Fountain + bottles. individuals responsible, RP watches, but no smears, et</i>
	Nine Mile Pt	B&W, BWR	
<i>Neilan Harris</i>	North Anna 1,2	3LW	<i>Foot operated fountains, surveyed daily by HP Techs</i>

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	At C+mt entrance w/RP observing
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Dave Martin	Prairie Island 1,2	2LW	PIPm permission on interuse form
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boell	Seabrook	4LW	Allowed By Rpm for Specific TOBS Risk Hands and Face
	Sequoyah 1,2	4LW	
Jonah	South TX Project 1,2	4LW	Allowed by Rpm, Risk muls and face in CA
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
	Vogtle 1,2	4LW	Procedure Controlled - Bottled Water under RP permission Change gloves, Frisk hands & face
	Waterford	CE	
IL. WEINICH	Watts Bar	4LW	Yes no
	Wolf Creek	4LW	
SEABERRY	Other		GE - NO WATER DRINKING IN PCA

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 23-25, 2023

Topic: *Do you do Podar Crane PMS Online*

Name: *Michelle Williams*

Contact Info: *miwillia@southernco.com*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fontaine</i>	Beaver Valley 1,2	3LW	<i>No</i>
<i>Jocel</i>	Braidwood 1,2	4LW	<i>No</i>
<i>Charles Dunby</i>	Browns Ferry	BWR	<i>No</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>No</i>
<i>Gillian</i>	Callaway	4LW	<i>No</i>
	Catawba 1,2	4LW	
<i>FRANK OWENS</i>	Clinton	BWR	<i>BWR-6 - yes to</i>
	Davis Besse	B&W	
<i>Mike McLean</i>	DC Cook 1,2	4LW	<i>Yes</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>Yes</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>No.</i>
	Nine Mile Pt	B&W, BWR	
<i>Neila Harris</i>	North Anna 1,2	3LW	<i>No - containment is subatmospheric</i>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	No, but sched people want us to.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
ONE MA	Prairie Island 1,2	2LW	No
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	no
HERTZ	Sequoyah 1,2	4LW	yes
Jonch	South TX Project 1,2	4LW	No
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
	Vogtle 1,2	4LW	
	Waterford	CE	
H. Weinich	Watts Bar	4LW	Yes
	Wolf Creek	4LW	
	Other		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: DOES YOUR STATION USE CRANO'S HORIZONTAL DRY CASE SYSTEM?

Name: FELIX MARTINEZ

Contact Info: FELIX.MARTINEZ@AGE.COM

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	BV has in the past recently changed
Joe C	Braidwood 1,2	4LW	No
Chas Denby	Browns Ferry	BWR	No - Holtec
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	No
William	Callaway	4LW	No, Holtec
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	No, Clinton does does not use
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	No, Holtec unit 1
Felix Martinez	Diablo Canyon 1,2	4LW	Switching to new CRANO in 2024
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalneck	Millstone 3,2	4LW, CE	Not yet - will be upgrading in 2023/2024
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	Yes, contact neilan.harris@dominionenergy.com I have a lot of post-job info, etc

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	Trans Nuclear
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
	Prairie Island 1,2	2LW	No/ trans nuclear TN-40
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	Yes, 4 DFS Company
	Sequoyah 1,2	4LW	No, Holtec
Donch	South TX Project 1,2	4LW	No, Holtec FW100
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	No, Holtec
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	No holtec
	Wolf Creek	4LW	
	Other		

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: Do you have a method of remote dose rate ~~survey~~ ^{capture} for routine surveys?

Name: John Hertz

Contact Info: jjhertz@tva.gov

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fountain	Beaver Valley 1,2	3LW	No
Joe C.	Braidwood 1,2	4LW	Not for documented surveys
Charles Dunby	Browns Ferry	BWR	Remote ARMS but not for routines. Working on it.
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	No
Adam Gilliam	Callaway	4LW	No, but working towards it
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	Have remote monitoring ARMS but do not use for surveys
	Davis Besse	B&W	
Mike McLain	DC Cook 1,2	4LW	We use many ARMS during outage for live describe, etc. We have some ARMS on ARMS that need surveying. Also UPS monitors will
FELIX MARTINEZ	Diablo Canyon 1,2	4LW	YES, BUT IT IS NOT OPERATIONAL CURRENTLY AT FULL SCALE. OUR ESP SOFTWARE CAN CAPTURE RDS READINGS
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalneck	Millstone 3,2	4LW, CE	No. interesting...
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	No, but exploring options with VSDS

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
B, H Meldrum	Oconee 1,2,3	B&W	We have remote monitoring, but do not currently tie to documented surveys.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
	Prairie Island 1,2	2LW	Not yet working on it.
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	NO
	Sequoyah 1,2	4LW	
Jonah	South TX Project 1,2	4LW	Yes we do, but working on procedures
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Michelle Wilkins Eric Fulghum	Vogtle 1,2	4LW	No, use for trending - filter monitoring
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	NO
	Wolf Creek	4LW	
SCARBERRY	Other		GE - NO

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Who does Engineering design change reviews? (manager? supervisor? individual contributor?)*

Name: *JOHN HERTZ*

Contact Info: *jjhertz@tra.gov*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fataine</i>	Beaver Valley 1,2	3LW	<i>Engineering provides document ALARA staff reviews</i>
<i>Joel</i>	Braidwood 1,2	4LW	<i>ALARA / Mgrs</i>
<i>Charles Dunby</i>	Browns Ferry	BWR	<i>ALARA - individual + mngt</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>ALARA/managers</i>
<i>Adam Gilliam</i>	Callaway	4LW	<i>Supervisors</i>
	Catawba 1,2	4LW	
<i>Frank Owens</i>	Clinton	BWR	<i>ALARA staff (individual contributors)</i>
	Davis Besse	B&W	
<i>Mike McLean</i>	DC Cook 1,2	4LW	<i>ALARA staff, who even is the best fit for change</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>RP ENGINEERING REVIEWS & SUPERVISOR APPROVES</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>Coordinator OR tech.</i>
	Nine Mile Pt	B&W, BWR	
<i>Neilan Harris</i>	North Anna 1,2	3LW	<i>ALARA Coordinator and Supervisor, engineering individual contributor</i>

HIGH INTEREST TOPIC AND QUESTIONNAIRE
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Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Weldrum	Oconee 1,2,3	B&W	me - Individ Contributor
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
David Mortimer	Prairie Island 1,2	2LW	ALARA General Supervisor (ME)
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	ALARA STOSS
	Sequoyah 1,2	4LW	
Donah	South TX Project 1,2	4LW	ALARA Health Physicist
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulham	Vogtle 1,2 Vogtle 3,4	4LW	ALARA Health Physicist + Supervisor
	Waterford	CE	
K. Weirich	Watts Bar	4LW	ALARA - Health Physicist
	Wolf Creek	4LW	
SCARBERRY	Other		GE - Rad Engineers

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Does Your Station Use Automated Surveys? How Long Have You Used It & How Effective Is It?*

Name: *FELIX MARTINEZ@PGE.COM*

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fontain</i>	Beaver Valley 1,2	3LW	<i>No</i>
<i>Joe C</i>	Braidwood 1,2	4LW	<i>No</i>
<i>Charles Dunby</i>	Browns Ferry	BWR	<i>VSOS</i>
	Brunswick	BWR	
<i>Scott Leach</i>	Byron 1,2	4LW	<i>No</i>
<i>Adam Gilliam</i>	Callaway	4LW	<i>No</i>
	Catawba 1,2	4LW	
<i>FRANK OWENS</i>	Clinton	BWR	<i>Clinton does not use automated surveys</i>
	Davis Besse	B&W	
<i>Mike McLev</i>	DC Cook 1,2	4LW	<i>No</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>NO</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>VSOS - 2011 ish. Only effective as the dept. allows it to be. Could be better.</i>
	Nine Mile Pt	B&W, BWR	
<i>Nilan Harris</i>	North Anna 1,2	3LW	<i>NO - but interested for routine surveys and updating radiological status boards</i>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	Not yet. Investigating using auto-routes with Spot for ISFSI surveys.
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Daniel Martin	Prairie Island 1,2	2LW	VSDS
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Buehl	Seabrook	4LW	no
	Sequoyah 1,2	4LW	No.
Donch Morgan	South TX Project 1,2	4LW	No, still using home grown e Survey, going to VSDS
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Michelle Williams Eric Fulghum	Vogtle 1,2 Vogtle 3,4	4LW	NO NO, All SWC use Radis
	Waterford	CE	
W. Weinrich	Watts Bar	4LW	no
	Wolf Creek	4LW	
Scarbary	Other		GE - NO

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Key West, FL

January 23-25, 2023

Topic: Your site use Orex or Unitech c 817-234-8300
0 651-267-6031

Name: David Marti

Contact Info: david.r.marti@keelenergy.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	we use Protech for most applications. Orex for specialty jobs
Joc C	Braidwood 1,2	4LW	Unitech
Charles Ownby	Browns Ferry	BWR	OREX
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	unitech
ADAM GILLIAN	Callaway	4LW	OREX
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	Clinton uses Unitech Clinton does not use OREX for protective clothing.
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	cook uses OREX
Felix Martinez	Diablo Canyon 1,2	4LW	OREX
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stelnecker	Millstone 3,2	4LW, CE	Orex - hybrid
	Nine Mile Pt	B&W, BWR	
Niklan Harris	North Anna 1,2	3LW	Orex

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West, FL January 23-25, 2023

Topic:			
Name:		Contact Info:	
Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	OREX
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
	Prairie Island 1,2	2LW	
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boell	Seabrook	4LW	Orex
	Sequoyah 1,2	4LW	
Dan Morgan	South TX Project 1,2	4LW	Orex ? custom PC from FRHAM
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2,3,4	3LW	Currently switching from Unitech to OREX (FRHAM)
	VC Summer	3LW	
M. Williams E. Flynn	Vogtle 1,2 Vogtle 3+4	4LW	OREX OREX
	Waterford	CE	
WILLIE TAYLOR KEVIN WEIRICH	Watts Bar	4LW	425 305 3026 3027 3028 3029 3030 3031 3032 3033 3034 3035 3036 3037 3038 3039 3040 3041 3042 3043 3044 3045 3046 3047 3048 3049 3050 3051 3052 3053 3054 3055 3056 3057 3058 3059 3060 3061 3062 3063 3064 3065 3066 3067 3068 3069 3070 3071 3072 3073 3074 3075 3076 3077 3078 3079 3080 3081 3082 3083 3084 3085 3086 3087 3088 3089 3090 3091 3092 3093 3094 3095 3096 3097 3098 3099 3100 3101 3102 3103 3104 3105 3106 3107 3108 3109 3110 3111 3112 3113 3114 3115 3116 3117 3118 3119 3120 3121 3122 3123 3124 3125 3126 3127 3128 3129 3130 3131 3132 3133 3134 3135 3136 3137 3138 3139 3140 3141 3142 3143 3144 3145 3146 3147 3148 3149 3150 3151 3152 3153 3154 3155 3156 3157 3158 3159 3160 3161 3162 3163 3164 3165 3166 3167 3168 3169 3170 3171 3172 3173 3174 3175 3176 3177 3178 3179 3180 3181 3182 3183 3184 3185 3186 3187 3188 3189 3190 3191 3192 3193 3194 3195 3196 3197 3198 3199 3200 3201 3202 3203 3204 3205 3206 3207 3208 3209 3210 3211 3212 3213 3214 3215 3216 3217 3218 3219 3220 3221 3222 3223 3224 3225 3226 3227 3228 3229 3230 3231 3232 3233 3234 3235 3236 3237 3238 3239 3240 3241 3242 3243 3244 3245 3246 3247 3248 3249 3250 3251 3252 3253 3254 3255 3256 3257 3258 3259 3260 3261 3262 3263 3264 3265 3266 3267 3268 3269 3270 3271 3272 3273 3274 3275 3276 3277 3278 3279 3280 3281 3282 3283 3284 3285 3286 3287 3288 3289 3290 3291 3292 3293 3294 3295 3296 3297 3298 3299 3300 3301 3302 3303 3304 3305 3306 3307 3308 3309 3310 3311 3312 3313 3314 3315 3316 3317 3318 3319 3320 3321 3322 3323 3324 3325 3326 3327 3328 3329 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 3341 3342 3343 3344 3345 3346 3347 3348 3349 3350 3351 3352 3353 3354 3355 3356 3357 3358 3359 3360 3361 3362 3363 3364 3365 3366 3367 3368 3369 3370 3371 3372 3373 3374 3375 3376 3377 3378 3379 3380 3381 3382 3383 3384 3385 3386 3387 3388 3389 3390 3391 3392 3393 3394 3395 3396 3397 3398 3399 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425 3426 3427 3428 3429 3430 3431 3432 3433 3434 3435 3436 3437 3438 3439 3440 3441 3442 3443 3444 3445 3446 3447 3448 3449 3450 3451 3452 3453 3454 3455 3456 3457 3458 3459 3460 3461 3462 3463 3464 3465 3466 3467 3468 3469 3470 3471 3472 3473 3474 3475 3476 3477 3478 3479 3480 3481 3482 3483 3484 3485 3486 3487 3488 3489 3490 3491 3492 3493 3494 3495 3496 3497 3498 3499 3500 3501 3502 3503 3504 3505 3506 3507 3508 3509 3510 3511 3512 3513 3514 3515 3516 3517 3518 3519 3520 3521 3522 3523 3524 3525 3526 3527 3528 3529 3530 3531 3532 3533 3534 3535 3536 3537 3538 3539 3540 3541 3542 3543 3544 3545 3546 3547 3548 3549 3550 3551 3552 3553 3554 3555 3556 3557 3558 3559 3560 3561 3562 3563 3564 3565 3566 3567 3568 3569 3570 3571 3572 3573 3574 3575 3576 3577 3578 3579 3580 3581 3582 3583 3584 3585 3586 3587 3588 3589 3590 3591 3592 3593 3594 3595 3596 3597 3598 3599 3600 3601 3602 3603 3604 3605 3606 3607 3608 3609 3610 3611 3612 3613 3614 3615 3616 3617 3618 3619 3620 3621 3622 3623 3624 3625 3626 3627 3628 3629 3630 3631 3632 3633 3634 3635 3636 3637 3638 3639 3640 3641 3642 3643 3644 3645 3646 3647 3648 3649 3650 3651 3652 3653 3654 3655 3656 3657 3658 3659 3660 3661 3662 3663 3664 3665 3666 3667 3668 3669 3670 3671 3672 3673 3674 3675 3676 3677 3678 3679 3680 3681 3682 3683 3684 3685 3686 3687 3688 3689 3690 3691 3692 3693 3694 3695 3696 3697 3698 3699 3700 3701 3702 3703 3704 3705 3706 3707 3708 3709 3710 3711 3712 3713 3714 3715 3716 3717 3718 3719 3720 3721 3722 3723 3724 3725 3726 3727 3728 3729 3730 3731 3732 3733 3734 3735 3736 3737 3738 3739 3740 3741 3742 3743 3744 3745 3746 3747 3748 3749 3750 3751 3752 3753 3754 3755 3756 3757 3758 3759 3760 3761 3762 3763 3764 3765 3766 3767 3768 3769 3770 3771 3772 3773 3774 3775 3776 3777 3778 3779 3780 3781 3782 3783 3784 3785 3786 3787 3788 3789 3790 3791 3792 3793 3794 3795 3796 3797 3798 3799 3800 3801 3802 3803 3804 3805 3806 3807 3808 3809 3810 3811 3812 3813 3814 3815 3816 3817 3818 3819 3820 3821 3822 3823 3824 3825 3826 3827 3828 3829 3830 3831 3832 3833 3834 3835 3836 3837 3838 3839 3840 3841 3842 3843 3844 3845 3846 3847 3848 3849 3850 3851 3852 3853 3854 3855 3856 3857 3858 3859 3860 3861 3862 3863 3864 3865 3866 3867 3868 3869 3870 3871 3872 3873 3874 3875 3876 3877 3878 3879 3880 3881 3882 3883 3884 3885 3886 3887 3888 3889 3890 3891 3892 3893 3894 3895 3896 3897 3898 3899 3900 3901 3902 3903 3904 3905 3906 3907 3908 3909 3910 3911 3912 3913 3914 3915 3916 3917 3918 3919 3920 3921 3922 3923 3924 3925 3926 3927 3928 3929 3930 3931 3932 3933 3934 3935 3936 3937 3938 3939 3940 3941 3942 3943 3944 3945 3946 3947 3948 3949 3950 3951 3952 3953 3954 3955 3956 3957 3958 3959 3960 3961 3962 3963 3964 3965 3966 3967 3968 3969 3970 3971 3972 3973 3974 3975 3976 3977 3978 3979 3980 3981 3982 3983 3984 3985 3986 3987 3988 3989 3990 3991 3992 3993 3994 3995 3996 3997 3998 3999 4000 4001 4002 4003 4004 4005 4006 4007 4008 4009 4010 4011 4012 4013 4014 4015 4016 4017 4018 4019 4020 4021 4022 4023 4024 4025 4026 4027 4028 4029 4030 4031 4032 4033 4034 4035 4036 4037 4038 4039 4040 4041 4042 4043 4044 4045 4046 4047 4048 4049 4050 4051 4052 4053 4054 4055 4056 4057 4058 4059 4060 4061 4062 4063 4064 4065 4066 4067 4068 4069 4070 4071 4072 4073 4074 4075 4076 4077 4078 4079 4080 4081 4082 4083 4084 4085 4086 4087 4088 4089 4090 4091 4092 4093 4094 4095 4096 4097 4098 4099 4100 4101 4102 4103 4104 4105 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4122 4123 4124 4125 4126 4127 4128 4129 4130 4131 4132 4133 4134 4135 4136 4137 4138 4139 4140 4141 4142 4143 4144 4145 4146 4147 4148 4149 4150 4151 4152 4153 4154 4155 4156 4157 4158 4159 4160 4161 4162 4163 4164 4165 4166 4167 4168 4169 4170 4171 4172 4173 4174 4175 4176 4177 4178 4179 4180 4181 4182 4183 4184 4185 4186 4187 4188 4189 4190 4191 4192 4193 4194 4195 4196 4197 4198 4199 4200 4201 4202 4203 4204 4205 4206 4207 4208 4209 4210 4211 4212 4213 4214 4215 4216 4217 4218 4219 4220 4221 4222 4223 4224 4225 4226 4227 4228 4229 4230 4231 4232 4233 4234 4235 4236 4237 4238 4239 4240 4241 4242 4243 4244 4245 4246 4247 4248 4249 4250 4251 4252 4253 4254 4255 4256 4257 4258 4259 4260 4261 4262 4263 4264 4265 4266 4267 4268 4269 4270 4271 4272 4273 4274 4275 4276 4277 4278 4279 4280 4281 4282 4283 4284 4285 4286 4287 4288 4289 4290 4291 4292 4293 4294 4295 4296 4297 4298 4299 4300 4301 4302 4303 4304 4305 4306 4307 4308 4309 4310 4311 4312 4313 4314 4315 4316 4317 4318 4319 4320 4321 4322 4323 4324 4325 4326 4327 4328 4329 4330 4331 4332 4333 4334 4335 4336 4337 4338 4339 4340 4341 4342 4343 4344 4345 4346 4347 4348 4349 4350 4351 4352 4353 4354 4355 4356 4357 4358 4359 4360 4361 4362 4363 4364 4365 4366 4367 4368 4369 4370 4371 4372 4373 4374 4375 4376 4377 4378 4379 4380 4381 4382 4383 4384 4385 4386 4387 4388 4389 4390 4391 4392 4393 4394 4395 4396 4397 4398 4399 4400 4401 4402 4403 4404 4405 4406 4407 4408 4409 4410 4411 4412 4413 4414 4415 4416 4417 4418 4419 4420 4421 4422 4423 4424 4425 4426 4427 4428 4429 4430 4431 4432 4433 4434 4435 4436 4437 4438 4439 4440 4441 4442 4443 4444 4445 4446 4447 4448 4449 4450 4451 4452 4453 4454 4455 4456 4457 4458 4459 4460 4461 4462 4463 4464 4465 4466 4467 4468 4469 4470 4471 4472 4473 4474 4475 4476 4477 4478 4479 4480 4481 4482 4483 4484 4485 4486 4487 4488 4489 4490 4491 4492 4493 4494 4495 4496 4497 4498 4499 4500 4501 4502 4503 4504 4505 4506 4507 4508 4509 4510 4511 4512 4513 4514 4515 4516 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4544 4545 4546 4547 4548 4549 4550 4551 4552 4553 4554 4555 4556 4557 4558 4559 4560 4561 4562 4563 4564 4565 4566 4567 4568 4569 4570 4571 4572 4573 4574 4575 4576 4577 4578 4579 4580 4581 4582 4583 4584 4585 4586 4587 4588 4589 4590 4591 4592 4593 4594 4595 4596 4597 4598 4599 4600 4601 4602 4603 4604 4605 4606 4607 4608 4609 4610 4611 4612 4613 4614 4615 4616 4617 4618 4619 4620 4621 4622 4623 4624 4625 4626 4627 4628 4629 4630 4631 4632 4633 4634 4635 4636 4637 4638 4639 4640 4641 4642 4643 4644 4645 4646 4647 4648 4649 4650 4651 4652 4653 4654 4655 4656 4657 4658 4659 4660 4661 4662 4663 4664 4665 4666 4667 4668 4669 4670 4671 4672 4673 4674 4675 4676 4677 4678 4679 4680 4681 4682 4683 4684 4685 4686 4687 4688 4689 4690 4691 4692 4693 4694 4695 4696 4697 4698 4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711 4712 4713 4714 4715 4716 4717 4718 4719 4720 4721 4722 4723 4724 4725 4726 4727 4728 4729 4730 4731 4732 4733 4734 4735 4736 4737 4738 4739 4740 4741 4742 4743 4744 4745 4746 4747 4748 4749 4750 4751 4752 4753 4754 4755 4756 4757 4758 4759 4760 4761 4762 4763 4764 4765 4766 4767 4768 4769 4770 4771 4772 4773 4774 4775 4776 4777 4778 4779 4780 4781 4782 4783 4784 4785 4786 4787 4788 4789 4790 4791 4792 4793 4794 4795 4796 4797 4798 4799 4800 4801 4802 4803 4804 4805 4806 4807 4808 4809 4810 4811 4812 4813 4814 4815 4816 4817 4818 4819 4820 4821 4822 4823 4824 4825 4826 4827 4828 4829 4830 4831 4832 4833 4834 4835 4836 4837 4838 4839 4840 4841 4842 4843 4844 4845 4846 4847 4848 4849 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4863 4864 4865 4866 4867 4868 4869 4870 4871 4872 4873 4874 4875 4876 4877 4878 4879 4880 4881 4882 4883 4884 4885 4886 4887 4888 4889 4890 4891 4892 4893 4894 4895 4896 4897 4898 4899 4900 4901 4902 4903 4904 4905 4906 4907 4908 4909 4910 4911 4912 4913 4914 4915 4916 4917 4918 4919 4920 4921 4922 4923 4924 4925 4926 4927 4928 4929 4930 4931 4932 4933 4934 4935 4936 4937 4938 4939 4940 4941 4942 4943 4944 4945 4946 4947 4948 4949 4950 4951 4952 4953 4954 4955 4956 4957 4958 4959 4960 4961 4962 4963 4964 4965 4966 4967 4968 4969 4970 4971 4972 4973 4974 4975 4976 4977 4978 4979 4980 4981 4982 4983 4984 4985 4986 4987 4988 4989 4990 4991 4992 4993 4994 4995 4996 4997 4998 4999 5000 5001 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023 5024 5025 5026 5027 5028 5029 5030 5031 5032 5033 5034 5035 5036 5037 5038 5039 5040 5041 5042 5043 5044 5045 5046 5047 5048 5049 5050 5051 5052 5053 5054 5055 5056 5057 5058 5059 5060 5061 5062 5063 5064 5065 5066 5067 5068 5069 5070 5071 5072 5073 5074 5075 5076 5077 5078 5079 5080 5081 5082 5083 5084 5085 5086 5087 5088 5089 5090 5091 5092 5093 5094 5095 5096 5097 5098 5099 5100 5101 5102 5103 5104 5105 5106 5107 5108 5109 5110 5111 5112 5113 5114 5115 5116 5117 5118 5119 5120 5121 5122 5123 5124 5125 5126 5127 5128 5129 5130 5131 5132 5133 5134 5135 5136 5137 5138 5139 5140 5141 5142 5143 5144 5145 5146 5147 5148 5149 5150 5151 5152 5153 5154 5155 5156 5157 5158 5159 5160 5161 5162 5163 5164 5165 5166 5167 5168 5169 5170 5171 5172 5173 5174 5175 5176 5177 5178 5179 5180 5181 5182 5183 5184 5185 5186 5187 5188 5189 5190 5191 5192 5193 5194 5195 5196 5197 5198 5199 5200 5201 5202 5203 5204 5205 5206 5207 5208 5209 5210 5211 5212 5213 5214 5215 5216 5217 5218 5219 5220 5221 5222 5223 5224 5225 5226 5227 5228 5229 5230 5231 5232 5233 5234 5235 5236 5237 5238 5239 5240 5241 5242 5243 5244 5245 5246 5247 5248 5249 5250 5251 5252 5253 5254 5255 5256 5257 5258 5259 5260 5261 5262 5263 5264 5265 5266 5267 5268 5269 5270 5271 5272 5273 5274 5275 5276 5277 5278 5279 5280 5281 5282

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: Brief to Dose Rate Alarms

Name: K. Boehl

Contact Info: Kinsey.Boehl@Lee.com

Contact (Name)	Plant	NSSS	Comments
Bill Meldrum	Oconee 1,2,3	B&W	Almost all everyone going in is briefed to a rate alarm
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
Don Mark	Prairie Island 1,2	2LW	YES / SRO ^{Dose Rate} Alarms are a tool.
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	no
Hertz	Sequoyah 1,2	4LW	Yes. Involves a log entry w/ anticipated rates & source. Additional log entry if actually encountered
Jouch	South TX Project 1,2	4LW	Yes, documented in log plus has to briefs that
	St. Lucie 1,2	CE	125% of rate ordered from
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle 1,2	4LW	Yes, situational based
K. Weinrich	Waterford	CE	Yes
K. Weinrich	Watts Bar	4LW	Yes
	Wolf Creek	4LW	
Scarbenny	Other		GE - YES

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: Brief to Dose Rate Alarms?

Name: K. Boell

Contact Info: K. Joy. Boell@Lee.com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Furman	Beaver Valley 1,2	3LW	Yes, small specific number
Joe C	Braidwood 1,2	4LW	Yes
Charles Orsby	Browns Ferry	BWR	Yes, procedure driven and justified by survey data. Logged in ESOMS
	Brunswick	BWR	
Scott Cough	Byron 1,2	4LW	yes
GILLIAM	Callaway	4LW	Yes
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	Yes, we brief to dose rate alarms
	Davis Besse	B&W	
MIKE McLEAN	DC Cook 1,2	4LW	Yes, specific to when & what is expected
GOUX MARTINEZ	Diablo Canyon 1,2	4LW	Yes, BUT ONLY WITH SUPERVISOR APPROVAL & EACH CASE IS DOCUMENTED.
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalneck	Millstone 3,2	4LW, CE	All RWPs < 100 mR/hr - auto briefed to alarm. Others is dependent on task
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	all setpoints < 100 mR/hr auto brief by RWP, other tasks dependent on scope

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Brief Frequency For HRA/LHRA Access? Pocket RWPs?*
 Name: *K.Boehl* Contact Info: *Knsy.Boehl@uoe.com*

Contact (Name)	Plant	NSSS	Comments
<i>BYI Meldrum</i>	Oconee 1,2,3	B&W	<i>Shiftly unless scope or conditions change</i>
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
<i>Dave MATH</i>	Prairie Island 1,2	2LW	<i>Each Entry / No pocket RWPs</i>
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	<i>Shiftly For HRA, Each entry LHRA, Yes for RWPs</i>
<i>HERTZ</i>	Sequoyah 1,2	4LW	<i>HRA = daily outage HRA = quarterly LHRA = daily Lo Rad RWPs = annually</i>
<i>Donch</i>	South TX Project 1,2	4LW	<i>Shiftly For HRA, LHRA each entry No pocket RWPs</i>
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
<i>Eric Fulghum</i>	Vogtle 1,2	4LW	<i>Every LHRA entry * HRA currently still doing shiftly. HRA (new procedural guidance - print good until conditions change)</i>
	Waterford	CE	
<i>K. Weinich</i>	Watts Bar	4LW	<i>K. Weinich HRA quarterly / LHRA once</i>
	Wolf Creek	4LW	
	Other		

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: Briefly Frequency for HRA/LHRA Access? Pocket RWP?

Name: K. Buehl

Contact Info: K. Buehl@Lee.Com

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	Each entry. No pocket RWPs
Joe C	Braidwood 1,2	4LW	Shiftly and extended during outages
Charles Dunbar	Browns Ferry	BWR	HRA RWP is briefed quarterly but workers expectation is to check in each entry. LHRA per entry only.
	Brunswick	BWR	
Scott Leach	Byron 1,2	4LW	Each entry
GILLIAM	Callaway	4LW	Each Entry
	Catawba 1,2	4LW	
FRANK OWENS	Clinton	BWR	Each entry - but do allow for extended breaks - no pocket RWPs
	Davis Besse	B&W	
Mike McLean	DC Cook 1,2	4LW	Shiftly HRA, Each entry LHRA
Felix Martinez	Diablo Canyon 1,2	4LW	Shiftly HRA, Each Entry LHRA
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
Stalneck	Millstone 3,2	4LW, CE	Each entry, but allowance for Shiftly.
	Nine Mile Pt	B&W, BWR	
Neilan Harris	North Anna 1,2	3LW	Each entry

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Have you Done Control Rod Drive Replacement*

Name: *K. Boehl*

Contact Info: *Kelsey.Boehl@Lee.com*

Contact (Name)	Plant	NSSS	Comments
<i>Bill Meldrum</i>	Oconee 1,2,3	B&W	<i>Yes, Fall 2021</i>
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
<i>Dave Mott</i>	Prairie Island 1,2	2LW	<i>No</i>
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
	Seabrook	4LW	<i>Planning next outage</i>
<i>HERTZ</i>	Sequoyah 1,2	4LW	<i>YES</i>
<i>Donna</i>	South TX Project 1,2	4LW	<i>NO</i>
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
<i>Eric Fulghum</i>	Vogtle 1,2	4LW	<i>NO.</i>
	Waterford	CE	
<i>K. Weinich</i>	Watts Bar	4LW	<i>Yes</i>
	Wolf Creek	4LW	
	Other		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Have you Done Control Rod Drive mechanism Replacements*
 Name: *K. Boehl* Contact Info: *Knsy.Boehl@lee.com*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fontana</i>	Beaver Valley 1,2	3LW	<i>No</i>
<i>Joel</i>	Braidwood 1,2	4LW	<i>No</i>
<i>Charles Dunby</i>	Browns Ferry	BWR	<i>Yes</i>
	Brunswick	BWR	
<i>Scott Greath</i>	Byron 1,2	4LW	<i>No</i>
<i>William</i>	Callaway	4LW	<i>No</i>
	Catawba 1,2	4LW	
<i>Fredrick Owens</i>	Clinton	BWR	<i>yes</i>
	Davis Besse	B&W	
<i>Mike McLean</i>	DC Cook 1,2	4LW	<i>No on our current 14 Herd's, yes on old Herd's mid 90's</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>No</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
	Millstone 3,2	4LW, CE	
	Nine Mile Pt	B&W, BWR	
<i>Neilan Harris</i>	North Anna 1,2	3LW	<i>Yes</i>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Do you keep referenced HRA Briefs.*

Name: *K. Boehl*

Contact Info:

Contact (Name)	Plant	NSSS	Comments
<i>Bill Meldrum</i>	Oconee 1,2,3	B&W	<i>No, only LHRA</i>
	Palisades	CE	
	Palo Verde 1,2,3	CE	
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
<i>One MA</i>	Prairie Island 1,2	2LW	<i>No</i>
	Quad Cities	BWR	
	River Bend	BWR	
	Robinson	3LW	
	Salem 1,2	4LW	
<i>Boehl</i>	Seabrook	4LW	<i>NO</i>
<i>HERTZ</i>	Sequoyah 1,2	4LW	<i>YES</i>
<i>Souch</i>	South TX Project 1,2	4LW	<i>No</i>
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
<i>Eric Fulghum</i>	Vogtle 1,2	4LW	<i>ESoms, if paper is utilized its placed in document storage with RWP Package.</i>
	Waterford	CE	
<i>K. Weinich</i>	Watts Bar	4LW	<i>Yes</i>
	Wolf Creek	4LW	
<i>Scanberry</i>	Other		<i>NMP (bwr) NO</i>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association Key West, FL January 23-25, 2023

Topic: *Do you keep Documented HRA Briefs.*

Name: *K. Boehl*

Contact Info: *K. Sey. Boehl@luc.com*

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fontaine</i>	Beaver Valley 1,2	3LW	<i>48hrs</i>
<i>JocC</i>	Braidwood 1,2	4LW	<i>No</i>
<i>Charles Dunlop</i>	Browns Ferry	BWR	<i>Briefing sheets - logged in Esams.</i>
	Brunswick	BWR	
<i>Scott Cech</i>	Byron 1,2	4LW	<i>No</i>
<i>William</i>	Callaway	4LW	<i>No</i>
	Catawba 1,2	4LW	
<i>Frank Owens</i>	Clinton	BWR	<i>No</i>
	Davis Besse	B&W	
<i>Mike Grew</i>	DC Cook 1,2	4LW	<i>No</i>
<i>Felix Martinez</i>	Diablo Canyon 1,2	4LW	<i>No</i>
	Farley 1,2	3LW	
	Framatome		
	GE		
	Harris	3LW	
	Indian Point 2,3	4LW	
	LaSalle	GE, BWR	
<i>Stalneck</i>	Millstone 3,2	4LW, CE	<i>Just the briefing sheets get transmitted.</i>
	Nine Mile Pt	B&W, BWR	
<i>Neilan Harris</i>	North Anna 1,2	3LW	<i>No.</i>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West January 24, 2023

Topic: Please provide your unit's 2022 Spring & Fall outage dates & Duration: What was your unit's normal operation dose in 2022? Thank you

Name: Brad Boyer

Contact Info: BRBoyer@TVA.gov

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	45rem - 30 days BV-1 1.5 rem BV-2 0.5rem
	Braidwood	4LW	
Scott Leach	Byron	4LW	unit 2 46.4 Rem 18 days
Gillian	Callaway	4LW	41 Rem 57 DAYS K25 Spring 2022 Online 3.3 Rem
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
Mike Allen	DC Cook	4LW	no Spring outage, Fall October 14 28 days
Felix Martinez	Diablo Canyon	4LW	
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
Erin Stalneck	Millstone	4LW, CE	2022 ~ 40 Rem, 38 days - 7 total site 7041 Rem 3022 ~ 46 Rem, 42 days - U2 4.5 Rem U3 ~ 4 Rem
Neilan Harris	North Anna	3LW	2022 41.921 rem, 35 days Online U-1 2.591 (SRD) 1 R2A 20.975 rem, 36 days U-2 4.412 (SRD)
	Oconee	B&W	U3 29.433 B&W 23d online 1 2 3 U1 31.855 OLR 27d 3.267/3705/2690
	Palisades	CE	
	Palo Verde	CE	

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association Key West January 24, 2023

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Topic: Please provide your unit's 2022 Spring or Fall Refueling Outage Date, duration and normal operation's dose per unit. THANK YOU

Name: Brad Boyer

Contact Info: BRBOYER@TVA.GOV

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Dave Mark	Prairie Island	2LW	8 Rem online Unit 1 / Unit 2 Unit 2 outage for 11 planning
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	2022 was a non-outage year
	Sequoyah	4LW	
	South Texas	4LW	
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
Duane Hutchinson	Turkey Point	3LW	30 Days, 73,982 SRD / 70,326 DLR
	VC Summer	3LW	
William Fulghum	Vogtle	4LW	26 days 61.2 Rem 5.6 Rem online
	Waterford	CE	
	Watts Bar	4LW	161 Rem U2 only 2022 U1 25-30 day 35-40 Rem U2 25-30 day 45-60 Rem
	Wolf Creek	4LW	
	Framatome		
	BWXT		

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: How much online CRE dose is attributed from Containment power entries?

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Taintor	Beaver Valley	3LW	Varies. <100 to ? Depends on required maintenance
Joel	Braidwood	4LW	100 to 200 mRem
Scott Leach	Byron	4LW	100 to 200 mRem
Graham	Callaway	4LW	300-400 mRem
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
Mike Mclean	DC Cook	4LW	 See Attached Table for DC Cook data
Felix Martinez	Diablo Canyon	4LW	300-500 mR/year
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
Stalneck	Millstone	4LW, CE	U2 - 2022 ~ <1 Rem U3 - 2022 ~ <300 mRem
Neilan Harris	North Anna	3LW	Typically 300-500 per year
Bill Meldrum	Oconee	B&W	minimal, Avg entry 2-5 mRem.
	Palisades	CE	
	Palo Verde	CE	

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: How much online CRE dose is attributed from Containment power entries?

Name: Mike Mclean / DC Cook

Contact Info: mjmclean@aep.com
 269-465-5901 ex.2342

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Don Mark	Prairie Island	2LW	was about 30% -
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	~300 mrem
HERTZ	Sequoyah	4LW	~ 1 REM / unit
Donch	South Texas	4LW	Maintenance - 357.9 mrem RP - 217 Op - 155 mrem FIN - 360 mrem
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	
Eric Fulghum	Vogtle	4LW	Minimal impact avg. entry 3-8 mrem, total per year around 100 mrem / unit / year
	Waterford	CE	
ik. Weinich	Watts Bar	4LW	800 mrem per unit
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Charles Dunkey	Brown Ferry	B&W	< 100 mrem

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Please see the attached Life-Time Reactor PWR Unit Lowest Outage Date.
Please update your units' dose value if you have achieved a Low outage Ds.
Name: Brad Boyer Contact Info: BR Boyer@TVA.GOV

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	These values appear correct
	Braidwood	4LW	
Scott Leach	Byron	4LW	updated
Gillian	Callaway	4LW	Good
	Calvert Cliffs	CE	
	Catawba	4LW	
	Davis Besse	B&W	
Mike McLin	DC Cook	4LW	✓
Felix Martinez	Diablo Canyon	4LW	VALUES APPEAR CORRECT
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
	Indian Point	4LW	
	Kewaunee	2LW	
	McGuire	4LW	
	Millstone	4LW, CE	U2 - 2020 - 44.3 Rem, 2R26, DLR
Neilson Harris	North Anna	3LW	updated
Bill Mel drum	Oconee	B&W	Looks good
	Palisades	CE	
	Palo Verde	CE	

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Key West Jan 24, 2023

Topic: Please update your unit's Lowest PWR Outage Date, if needed.

Name: Brad Boyer

Contact Info: BR Boyer @ TVA. Gov

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Dave Mark	Prairie Island	2LW	See Update Unit 1 / Unit 2 good
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
	Seabrook	4LW	Looks Good.
	Sequoyah	4LW	
	South Texas	4LW	
	St. Lucie	CE	
	Surry	3LW	
	TMI	B&W	
Duane Hutchinson	Turkey Point	3LW	Same as indicated in attachment
	VC Summer	3LW	
	Vogtle	4LW	
	Waterford	CE	
	Watts Bar	4LW	updated on sheet
	Wolf Creek	4LW	
	Framatome		
	BWXT		

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ISOE

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

last update: July 2020

<u>Ran k</u>	<u>Plant</u>	<u>Outage Dose</u>	<u>Year</u>	<u>Cycl e</u>	<u>NSS S</u>	<u>ED / TLD</u>	<u>CO 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>	20.2 17.0	2018 2021	<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>	27 31	<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>	22 27	<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>	21.3 26	<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>	26.3 20.975	2019 2022	27 29	<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>	29.6 20.7	2019 2020	<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>	30.3 ^{22.3}	<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>	31.3 ^{13.4}	2018 ²⁰²⁰	<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>	

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