

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: have you completed an ISFSI campaign

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	Yes
J. Loughlin	Braidwood	4LW	Yes several
S. Leach	Byron	4LW	Byron has completed five campaigns
4 Encl J. Gough	Callaway	4LW	Yes Several
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	yes
Cris Mingus	Davis Besse	B&W	2017, 2019 First ever ^{Contact for benchmark} EOS 37 TPIH w/45 Kw fuel
McLan	DC Cook	4LW	Yes several
	Diablo Canyon	4LW	
Steve	Farley	3LW	yes
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Frink	Indian Point	4LW	Yes 255 CANS ON THE PAP
	Kewaunee	2LW	
N. Calero	McGuire	4LW	(FORMS) YES - BEST EVER IN 2019 (dose) CONTACT EMAIL FOR DETAILS
	Millstone	4LW, CE	
BRAD PLEASANTS	North Anna	3LW	yes I think at least 4 different style CASK
Bill Meldrum	Oconee	B&W	Yes 159 of them
	Palisades	CE	
A. Williams	Palo Verde	CE	yes. Several

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: have you completed an ISFSI campaign

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
Brandon	Point Beach	2LW	Yes, since 2007
D. Hunt	Prairie Island	2LW	Yes, Several
Ashley Lawrence/ Christy Branham	Robinson	3LW	Yes, several
	Salem	4LW	
	San Onofre	CE	
Beckel	Seabrook	4LW	we have done 3 US y HSM's
Nolger	Sequoyah	4LW	Yes, 10 times times
Donah	South Texas	4LW	Yes, first one in 2019
	St. Lucie	CE	
Doug Van Hoorbach	Surry	3LW	Yes. For over 20yrs TW32's, PTH32's, Going to PTH37's
	TMI	B&W	
	Turkey Point	3LW	
Hightshorn	VC Summer	3LW	Yes multiple
Eric Fulgham	Vogtle	4LW	Yes, info available by request
	Waterford	CE	
	Watts Bar	4LW	Yes
	Wolf Creek	4LW	
	Framatome		
	BWXT		
F. Owens	BWR 6 Clinton		Yes, 2 campaign
Tony Hon	BWR 6		Yes
Bill	Nine Mile	BWR 2/5	YES. MANY, WE USE Holtec (And others previously)

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

Topic: *How many Dose Rate Alarms Before Stop Work*

Name:

Contact Info:

Contact (Name)	Plant	SSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	Second alarm is stop work - for briefed one for unbriefed
J Coughlin	Braidwood 1,2	4LW	Reposition twice if previously brief for an alarm
S. Leach	Byron 1,2	4LW	// //
A Enloe	Callaway	4LW	1 unanticipated Alarm
	Calvert Cliffs	CE	
L. Chapp	Catawba 1,2	4LW	1 unbriefed 2 Briefed
	Clinton	BWR	1 - unbriefed alarm
Cris Mingus	Davis Besse	B&W	unbriefed - come out after first briefed - come out after second
man	DC Cook 1,2	4LW	1 - unanticipated
	Diablo Canyon 1,2	4LW	
Steve	Farley 1,2	3LW	2-anticipated 1 - unanticipated
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
Lloyd Frick	Indian Point 2,3	4LW	unbriefed / UNANTICIPATED - 1 briefed / ANTICIPATED - 3
	LaSalle	GE, BWR	
N. CALVERO	McGuire 1,2	4LW	1- UNANTICIPATED (NOT EXPECTED) SEVERAL ANTICIPATED BASE ON LOCATION & WORK SCOPE
	Millstone 3,2	4LW, CE	
Bill	Nine Mile Pt	B&W, BWR	UNBRIEFED IMMEDIATELY / Briefed
Tony Horn Riverbend BWR @ 1 unanticipated Reposition if possible			

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

Topic: How many Dose Rate Alarms Before Stop Work

Name: _____ Contact Info: _____

Contact (Name)	Plant	SSSS	Comments
BRAD PENSANCE	North Anna 1,2	3LW	3 "planned" DOSE RATE ALARMS or 1 unplanned
Bill Meldrum	Oconee 1,2,3	B&W	if briefed, stop on 3rd Unbriefed, stop on 1st
	Palisades	CE	
A. Williams	Palo Verde 1,2,3	CE	1 alarm
H. McCoy	Peach Bottom	BWR	1 if not anticipated
	Point Beach 1,2	2LW	
D. Mark	Prairie Island 1,2	2LW	two briefed.
	Quad Cities	BWR	
Ashley Lawrence/ Christy Brannan	Robinson	3LW	Briefed - stop on 3rd alarm Not Briefed - stop stop on 1st alarm
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Boehl	Seabrook	4LW	1 Rate Alarm
Nden	Sequoyah 1,2	4LW	1
Donna Morgan	South Texas 1,2	4LW	1 unless its briefed
	St. Lucie 1,2	CE	
Doug VanHorn	Surry 1,2	3LW	3 if planned BTA 1 if unplanned
	Turkey Point 1,2	3LW	
Higginbotham	VC Summer	3LW	1, if briefed
Fulghum	Vogtle 1,2	4LW	1 unanticipated, 3 anticipated
	Waterford	CE	
K. Weinich	Watts Bar	4LW	1 unbriefed
R. Candaway	Wolf Creek	4LW	only if Briefed to, used for travel path in + out

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

Topic: *who is using a CZT camera? what are you using it for?*
How did you get your techs to buy into it

Name: *Aaron Enloe*

Contact Info: *Aenloe@Ameron.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>J. Coughlin</i>	Braidwood 1,2	4LW	<i>Yes, Mgmt. Verify PB applications + look for new one</i>
<i>S. Coach</i>	Byron 1,2	4LW	<i>Yes, Hot Spot identification / lead package</i>
	Callaway	4LW	
	Calvert Cliffs	CE	
<i>L. Chupp</i>	Catawba 1,2	4LW	<i>yes, Hot Spot ID</i>
<i>F. Owens</i>	Clinton	BWR	<i>yes hot spot id & lead package efficiency</i>
<i>Cris Mingus</i>	Davis Besse	B&W	<i>Yes, shield package verification, hot spots. Looking to expand use.</i>
<i>McLew</i>	DC Cook 1,2	4LW	<i>we wait for Pensacola investigation, & shipping</i>
	Diablo Canyon 1,2	4LW	
<i>Steve</i>	Farley 1,2	3LW	<i>USED for 1st time this past outage. Used to locate high dose spot on P2R spray line that will be removed next outage</i>
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<i>Lloyd Frink</i>	Indian Point 2,3	4LW	<i>graphical representation of high and low dose areas to workers</i>
	LaSalle	GE, BWR	
<i>N. Calero</i>	McGuire 1,2	4LW	<i>VERY SELDOM USAGE SCIENTIST - DOSE TRENDRING</i>
	Millstone 3,2	4LW, CE	
<i>Bill</i>	Nine Mile Pt	B&W, BWR	<i>YES, RP management, Hotspots, Shielding, investigations.</i>

Tony Horn Riverbank BWR-6 / adjust shielding, find leaks, find dose source

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

Topic: CZT Camera Use

Name: Aaron Enloe

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Brad Pleasants	North Anna 1,2	3LW	yes, check loops for nucleic mv.
Bill Meldrum	Oconee 1,2,3	B&W	Validating highest rate on shipments, locating highest source on piping. Most techs haven't bought in.
	Palisades	CE	
A. Williams	Palo Verde 1,2,3	CE	yes. Hot spots.
H McCaskey	Peach Bottom	BWR	We have one, need to use it more.
	Point Beach 1,2	2LW	
	Prairie Island 1,2	2LW	CAED Burst monitoring, shipment, shielding verification
	Quad Cities	BWR	
Christy Branham/ Ashley Lawrence	Robinson	3LW	Yes, finding source location, hot spot, looking for more applications
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Beehl	Seabrook	4LW	we have one BUT DON'T USE IT.
Nolen	Sequoyah 1,2	4LW	NO. WE TESTED ONE BUT DIDN'T BUY.
Jonah	South Texas 1,2	4LW	We have 2 H3D camera, use it on crud burst, OCS, and other stuff
	St. Lucie 1,2	CE	
Doug Van Houshake	Surry 1,2	3LW	we have one. Need to utilize more effectively
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Fulghum	Vogtle 1,2	4LW	Shipping highest close rate areas, shielding effectiveness hot spot Verification/Location, Looking for more applications
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	Not yet
French	Wolf Creek	4LW	Yes, Shielding Program, Shipping, Dose in Area/work Ed.

HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: How do you Efficiently get work packages out of the RCA during outages.

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	Workers survey work orders themselves (JAM)
J. Coughlin	Braidwood	4LW	A lot now electronic - SAM
S. Leach	Byron	4LW	Small Article monitor
A. Enloe	Callaway	4LW	SAM, Going to Electronic
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	SAM using ipads
Cris Mingus	Davis Besse	B&W	Frisk, smear, TEM OR Field Copy
M. Low	DC Cook	4LW	Frisk, Smear TEM
	Diablo Canyon	4LW	
Steve	Farley	3LW	Frisk, SAM
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Frisk	Indian Point	4LW	SAM - if Alarm use copier in REA to make copy
	Kewaunee	2LW	
N. Calcedo	McGuire	4LW	SAM - IPAD USAGE (CONTAMINATED BAG & COPY)
	Millstone	4LW, CE	
Brad Pleasants	North Anna	3LW	TEM, SMEAR, FRISK
B. H. Meldrum	Oconee	B&W	Most on I-PADS, paper is faxed out of CA
	Palisades	CE	
A. Williams	Palo Verde	CE	Sacrificed: only one page. in process of exp. process

HMCCOON Teach Bottom / SAM Electronic work packages mostly

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RP-ALARA Association

Topic: How do you Efficiently get work packages out of the RCA during outages.

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
D Martin	Prairie Island	2LW	SAM 12
Branham	Robinson	3LW	SAM / Use iPads
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	SAM I Peds
Nolen	Sequoyah	4LW	Survey & SAM
Sonah	South Texas	4LW	SAM 12 and computer electronic
	St. Lucie	CE	
Doug Van Hoorde	Surry	3LW	TEM. Or Use Working copy in CMT. Take Pics of long date sets
	TMI	B&W	
	Turkey Point	3LW	
Miss L. H. H.	VC Summer	3LW	SAM a copy
Eric Fulgham	Vogtle	4LW	SAM, Copy through bag if needed In progress to Electronic work packages.
	Waterford	CE	
R. Weinich	Watts Bar	4LW	Survey & SAM
	Wolf Creek	4LW	
	Framatome		
	BWXT		
F. Owens	Clinton	B&G	SAM - 11/12
Randy Horn	Riverside	BWR	SAM -
Bill	NMP	BWR 2/5	Electronic Work Packages on iPad (EWP) - USE SAM 12

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

Topic: *Alara Prizes. what has Anyone found to be successful to drive behaviors.*

Name: *Aaron Enloe* Contact Info: *Aenloe@Ameren.com*

Contact (Name)	Plant	SSSS	Comments
	ANO 2,1	CE, B&W	
<i>Jeff Fontaine</i>	Beaver Valley 1,2	3LW	<i>cups, shirts, hoodies.</i>
<i>J. Carthlin</i>	Braidwood 1,2	4LW	<i>Lunch tickets, hats, drones, shirts, tool kits</i>
<i>S. Cech</i>	Byron 1,2	4LW	<i>same as Braidwood</i>
	Callaway	4LW	
	Calvert Cliffs	CE	
<i>L Chapp</i>	Catawba 1,2	4LW	<i>meal tickets, hats & T-shirts</i>
<i>T. Young</i>	Clinton	BWR	<i>Beanies, Echo Dots, tools (power), Book bags, sweatshirts, hunting gear</i>
<i>Cris Mingo</i>	Davis Besse	B&W	<i>Make gifts personal to worker. \$ value based on ALARA savings. Suggestions receive cups, hats, etc. as minimum</i>
<i>McLew</i>	DC Cook 1,2	4LW	<i>All the normal stuff & Gift cards</i>
	Diablo Canyon 1,2	4LW	
<i>Steve</i>	Farley 1,2	3LW	<i>OUTAGE: Drawing for Umbrellas, Yeti cups, for daily prizes / ALARA suggestions =</i>
	Ft. Calhoun	CE	<i>Yeti cups, Beanie, Speak</i>
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
<i>Lloyd Frink</i>	Indian Point 2,3	4LW	<i>Trinkets + parking spot</i>
	LaSalle	GE, BWR	
<i>N. CALIZO</i>	McGuire 1,2	4LW	<i>ALARA APPROVED DOSE ESTIMATE - LARGE VARIETY OF TRINKETS - RECOGNITION SITE/DEPT.</i>
	Millstone 3,2	4LW, CE	
<i>Bill</i>	Nine Mile Pt	BWR , BWR	<i>\$5,000 Budget. Bought 3 Large Yeti Coolers w/weekly Give Away based on ALARA suggestions. Bought 160 Yeti cups for TASK Give Aways.</i>

*Tony Hon Riverbank BWR Did not have any out Last outage
parking spots for employees*

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

Topic: **ALARA Prizes**

Name: **Acron Enloe**

Contact Info:

Contact (Name)	Plant	NSSS	Comments
BRAD PICASANTIS	North Anna 1,2	3LW	We have to ALARA PARKING SPOTS "YETI" STYLE cups
Bill Meldrum	Oconee 1,2,3	B&W	Mostly recognition. Prizes tend to turn into entitlements.
	Palisades	CE	
A. Williams	Palo Verde 1,2,3	CE	Lunch tickets, shirts
Brandon D. Telha	Peach Bottom	BWR	Yeti cups, large prize drawings, tablets, gift cards, trail cams, meal coins, parking spaces
	Point Beach 1,2	2LW	
DMR	Prairie Island 1,2	2LW	Yes, work great!
	Quad Cities	BWR	
Christy Branham/ Ashley Lawrence	Robinson	3LW	Parking spots, shirts, cups, meal tokens
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Boehl	Seabrook	4LW	+ Shirts
Nolen	Sequoyah 1,2	4LW	T-Shirts, MEAL CERTIFICATES, TRINKETS
Donah	South Texas 1,2	4LW	Hats & food
	St. Lucie 1,2	CE	
Doug VanHornbeek	Surry 1,2	3LW	Parking Spot, Lunch Tickets
	Turkey Point 1,2	3LW	
	VC Summer	3LW	
Fulghum	Vogtle 1,2	4LW	ALARA Parking Spot, Normal prizes clothing, Flashlights, Grill, TV, Yeti Cooler
	Waterford	CE	
L. WEIRICH	Watts Bar	4LW	Meal tickets, shirts, hats, cups
French	Wolf Creek	4LW	meal Tickets

January 27-29, 2020

Topic: Weslie only Cord Burns Cleanup

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
Jeff Fontaine	Beaver Valley 1,2	3LW	loops are isolated from crud burst
J. Loughlin	Braidwood 1,2	4LW	Run last RCP 6 hrs after add then close loop stop
S. Leach	Byron 1,2	4LW	11 1
A Enloe	Callaway	4LW	Scheduled 24 hr run on RCPs to clean up last outage was approx 12 hrs
	Calvert Cliffs	CE	
L. Chupp	Catawba 1,2	4LW	Full crud burst
	Clinton	BWR	
Cris Mingus	Davis Besse	B&W	Full RCS crud burst w/loop 2 pumps running
McLean	DC Cook 1,2	4LW	full ^{nCS} crud burst
	Diablo Canyon 1,2	4LW	
Steve	Farley 1,2	3LW	1 RCP at 5 in ci
	Ft. Calhoun	CE	
	Ginna	2LW	
	Grand Gulf	BWR	
	Harris	3LW	
Lloyd Frisk	Indian Point 2,3	4LW	NO - not a fan / perhaps full system
	LaSalle	GE, BWR	
N. CALERO	McGuire 1,2	4LW	Full crud burst
	Millstone 3,2	4LW, CE	
Bill	Nine Mile Pt	B&W, BWR	N/A

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

Topic: *Vessel only crud burst cleanup*

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	North Anna 1,2	3LW	
<i>Bill Meldrum</i>	Oconee 1,2,3	B&W	<i>Yes. Cleanup on LPI (decay heat removal)</i>
	Palisades	CE	
<i>D.W. Williams</i>	Palo Verde 1,2,3	CE	<i>Run RCP to 0.5 mCi/cc</i>
	Peach Bottom	BWR	
	Point Beach 1,2	2LW	
<i>D. Mart</i>	Prairie Island 1,2	2LW	<i>Full Crud Burst. 0.5 mCi/cc 12 hour RCP</i>
	Quad Cities	BWR	<i>purification mod.</i>
	Robinson	3LW	
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
<i>Boehl</i>	Seabrook	4LW	<i>Run 1 RCP TO 0.7 mCi/cc</i>
<i>South NOLEN</i> →	Sequoyah 1,2	4LW	<i>Run 1 RCP (D) to .5 pCi/cc Full RCS</i>
	South Texas 1,2	4LW	
	St. Lucie 1,2	CE	
<i>Pong VanHarden</i>	Surry 1,2	3LW	<i>Full RCS w/one RCP</i>
	Turkey Point 1,2	3LW	
<i>Hightbother</i>	VC Summer	3LW	<i>Full RCS</i>
<i>Eric Fulghum</i>	Vogtle 1,2	4LW	<i>Run 1 RCP til 0.5 mCi/cc</i>
	Waterford	CE	
<i>K. Weinrich</i>	Watts Bar	4LW	<i>run 1 RCP to 0.5 mCi/cc</i>
	Wolf Creek	4LW	<i>Full Run RCS -</i>

Tony Horn

Rosenburg BWR

RWC

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: How do plants tie their dose to their work orders? What program to they use, if any, to track the dose and work orders?

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	Dose estimates are placed on work order actual dose is not added to work order
J. Coughlin	Braidwood	4LW	Sentinel
S. Leach	Byron	4LW	Sentinel
A. Enloe	Callaway	4LW	Sentinel & Homegrown w/m system
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	Sentinel
Cris Mingus	Davis Besse	B&W	Work orders assigned RWP in HIS-20/SAP during order review process
mem	DC Cook	4LW	Sentinel
	Diablo Canyon	4LW	
Steve	Farley	3LW	Maximo then His-20
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Frank	Indian Point	4LW	Call me, estimate in IAS (w/o MYMT program) then to PG (Schedule) AND w/o validated in Sentinel
	Kewaunee	2LW	
N. Calvert	McGuire	4LW	Sentinel - BAR CODE SCAN FROM PAPER W/O's & IPAD - ALSO, INPUT WORK ORDER & TASK
	Millstone	4LW, CE	
BRAD PERSANES	North Anna	3LW	Maximo
Bill Meldrum	Oconee	B&W	Sentinel - unfortunately dependent on worker input
	Palisades	CE	
A. Talley	Palo Verde	CE	Sentinel and SWMS
H McCrory	Peach Bottom		Sentinel

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Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
D. M. A.	Prairie Island	2LW	Sentinel
C. B. Vanham / Lawrence	Robinson	3LW	Sentinel + CAS
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	Sentinel
Nolen	Sequoyah	4LW	HIS-20 / MAXIMO
Souch	South Texas	4LW	Home grown Oracle system, moving to Sentinel
	St. Lucie	CE	
Doug VanHorn	Surry	3LW	HIS-20
	TMI	B&W	
	Turkey Point	3LW	
Higinbotham	VC Summer	3LW	Sentinel
Eric Fulghum Chad Hickson	Vogtle	4LW	RWP assigned in Maximo and transferred to HIS-20
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	HIS-20 / Maximo
	Wolf Creek	4LW	
	Framatome		
	BWXT		
F. Owens	Clinton	BWR Co	Sentinel
Tommy Hon	Riverbend	BWR Co	Sentinel
Bill	NMP	BWR 2/5	MAXIMO - Sentinel

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

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Topic: Have you done Tendon Inspections: Periodicity? Drone and or Mechanical inspection?

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	unknown
J. Coughlin	Braidwood	4LW	Mechanical
S. Leach	Byron	4LW	mechanical inspections
A. Enloe	Callaway	4LW	Mechanical Insp.
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	NO
Cris Mingus	Davis Besse	B&W	No
	DC Cook	4LW	no
	Diablo Canyon	4LW	
Steve	Farley	3LW	yes Mechanical
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Frank	Indian Point	4LW	N/A
	Kewaunee	2LW	
N. Calcedo	McGuire	4LW	UNKNOWN —
	Millstone	4LW, CE	
BRAD PLEASANTS	North Anna	3LW	
Bill Meldrum	Oconee	B&W	Yes Mechanical
	Palisades	CE	
A. Williams	Palo Verde	CE	Mechanical

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Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
Q Mark	Prairie Island	2LW	Contained done by Drone
	Robinson	3LW	
	Salem	4LW	
	San Onofre	CE	
Boehl	Seabrook	4LW	have not Done There
Nolen	Sequoyah	4LW	We ARE JUST BEGINNING our DRONE Program
Sonah	South Texas	4LW	NOT sure, no drone
	St. Lucie	CE	
Doug Van Hoorbeek	Surry	3LW	No. Just starting drone program.
	TMI	B&W	
	Turkey Point	3LW	
Hughes	VC Summer	3LW	no drone /
Eric Finlghum	Vogtle	4LW	Not sure frequency, No drone
	Waterford	CE	
K. WEIRICH	Watts Bar	4LW	no
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Bill	NMP	BWR 2/5	Mechanical, but using drone for Cooling Tower

HIGH INTEREST TOPIC AND QUESTIONNAIRE
RP-ALARA Association

Topic: Has anyone utilized or going to perm shield their pressurizer spray line

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	No
J. Coughlin	Braidwood	4LW	No
S. Leach	Byron	4LW	NO
A. Enloe	Callaway	4LW	NO perm shield Temporary RF
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	NO
Cris Mingus	Davis Besse	B&W	No, we would love too but it is cost prohibitive for us
Alan	DC Cook	4LW	not yet but we are working on it
	Diablo Canyon	4LW	
Steve	Farley	3LW	No perm shielding
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Finkle	Indian Point	4LW	No
	Kewaunee	2LW	
N. Calvert	McGuire	4LW	No
	Millstone	4LW, CE	
BRAD PLEASANTS	North Anna	3LW	No
Bill Meldrum	Oconee	B&W	No
	Palisades	CE	
A. Williams	Palo Verde	CE	No

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Has anyone utilized or going to perm shield their pressurizer spray line

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
D. Martin	Prairie Island	2LW	No
Christy Branham Ashley Lawrence	Robinson	3LW	No
	Salem	4LW	
	San Onofre	CE	
Bechl	Seabrook	4LW	no permanent Shielding in CTB
Nolen	Sequoyah	4LW	NO
Southern	South Texas	4LW	No, we more shield from Unit to Unit
	St. Lucie	CE	
Doug VanHornbeach	Surry	3LW	Not currently being considered
	TMI	B&W	
Highland	Turkey Point	3LW	
	VC Summer	3LW	No
Eric Fulghum	Vogtle	4LW	Temp Shielding for now, Long Range Plan for perm.
	Waterford	CE	
R. WEINICH	Watts Bar	4LW	No
	Wolf Creek	4LW	
	Framatome		
	BWXT		
Tony Horton	Riverside	BWR 6	NA
Bill	NMP	BWR 2/5	N/A

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Do you use any virtual products in your training programs? (360 virtual tour, 3D imaging, Scans, Virtual play)

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	Not tours but use simulated Rad survey meters
J. Coughlin	Braidwood	4LW	360 virtual tour
S. Leach	Byron	4LW	360 virtual tour
A. Enloe	Callaway	4LW	not yet working toward
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	NO
Cris Mingus	Davis Besse	B&W	360 virtual tour
McLan	DC Cook	4LW	not currently
	Diablo Canyon	4LW	
	Farley	3LW	
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Frisk	Indian Point	4LW	NO
	Kewaunee	2LW	
N. Caceres	McGuire	4LW	NOT FOR TRAINING (mainly for RP BRIEFS, etc.)
	Millstone	4LW, CE	
B. Pleasants	North Anna	3LW	NO
Bill Meldrum	Oconee	B&W	No. Training occasionally uses still images from SiteWise
	Palisades	CE	
A. Talley	Palo Verde	CE	yes - VR system/program - collaboration with Industrial safety

H. McCarty Peach Bottom Virtual Play

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Do you use any virtual products in your training programs? (360 virtual tour, 3D imaging, Scans, Virtual play)

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
<i>D. Mark</i>	Prairie Island	2LW	<i>No</i>
<i>Branham</i>	Robinson	3LW	<i>360 virtual tour + Metrology laser scans</i>
	Salem	4LW	
	San Onofre	CE	
<i>Boehl</i>	Seabrook	4LW	<i>No</i>
<i>Nolen</i>	Sequoyah	4LW	<i>RECENTLY STARTED 3-D IMAGING SCANS FOR VIRTUAL TOURS.</i>
<i>Jonah</i>	South Texas	4LW	<i>NO</i>
	St. Lucie	CE	
<i>Doug VanHarebeek</i>	Surry	3LW	<i>No</i>
	TMI	B&W	
	Turkey Point	3LW	
	VC Summer	3LW	<i>No</i>
<i>Eric Fulgham</i>	Vogtle	4LW	<i>No, Laser scans utilized for PJB + ALARA Prejob walkdowns and briefings</i>
	Waterford	CE	
<i>W. WEIRICH</i>	Watts Bar	4LW	<i>started 3D imaging for virtual tours</i>
	Wolf Creek	4LW	
	Framatome		
	BWXT		
<i>PAS/As/4</i>	<i>Clinton</i>	<i>DWC</i>	<i>360 Digital Plant viewer</i>
<i>Bill Taylor</i>	<i>Riverb</i>	<i>BWR</i>	<i>No + currently</i>
<i>Bill</i>	<i>NMP</i>	<i>BWR 2/5</i>	<i>360 D.P.V. / Just Created Virtual Shipping Training</i>

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Typically, how much work requires Full vs minimal sets (PCs) in containment? Is this determined in the planning process?

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fountain	Beaver Valley	3LW	Some minor deviations are approved by ALARA
J. Coughlin	Braidwood	4LW	Same BYR, significant reduction hood use
S. Leach	Byron	4LW	Directed by Procedure based on scope of work and radiological conditions
A. Enloe	Callaway	4LW	During Planning -> Typically Full PC in CTWT NO Hood w/out overhead work
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	Full, during Planning
Cris Mingus	Davis Besse	B&W	During outages always full set minimum. On-line tours/inspections may be minimal -> determine during planning
	DC Cook	4LW	During Planning Full Set.
	Diablo Canyon	4LW	
Steve	Farley	3LW	Full dress - planning
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Larry Frink	Indian Point	4LW	online - CASE by CASE based on heat stress outage - Normally 100% full dress
	Kewaunee	2LW	
N. CALDWELL	McGuire	4LW	
	Millstone	4LW, CE	
Brad Pleasants	North Anna	3LW	Full dress 99% during planning
Bill Meldrum	Oconee	B&W	99.9% Full PCs. Occasional RP use of booties/gloves to look only.
	Palisades	CE	
A. Williams	Palo Verde	CE	Determined during planning. Typical use of hoods or style of cap

H. McCoy Peach Bottom 100% Full in Dry well

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

Topic: Does your station have a combined RP tech/chemistry tech position

Name: Jeff Fontaine

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	ANO 2,1	CE, B&W	
<u>Jeff Fontaine</u>	Beaver Valley 1,2	3LW	<u>Evaluating</u>
<u>J. Coughlin</u>	Braidwood 1,2	4LW	<u>NO</u>
<u>S. Leach</u>	Byron 1,2	4LW	<u>NO</u>
<u>A Enloe</u>	Callaway	4LW	<u>NO</u>
	Calvert Cliffs	CE	
<u>L. Chapp</u>	Catawba 1,2	4LW	<u>yes, we have one Chem. Tech and one Reactor Services Tech that are qualified RAs</u>
<u>T. Young</u>	Clinton	BWR	<u>NO</u>
<u>Cris Mingus</u>	Davis Besse	B&W	<u>No, but it is being considered</u>
<u>McLean</u>	DC Cook 1,2	4LW	<u>NO</u>
	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>No</u>
	LaSalle	GE, BWR	
<u>N. CALERO</u>	McGuire 1,2	4LW	<u>NOT assigned the title as combined RP/CHEM, BUT SOME HAVE COMMON goals.</u>
	Millstone 3,2	4LW, CE	
<u>Bill</u>	Nine Mile Pt	BWR , BWR	<u>NO</u>

Tony Horn Riverbend BWR NO

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

Topic: Does your station have a combined radiation technician/
chem technician position?

Name: Jeff Fontaine

Contact Info:

Contact (Name)	Plant	NSSS	Comments
Brad Pleasants	North Anna 1,2	3LW	No, but we are "kicking" the idea around
Bill Meldrum	Oconee 1,2,3	B&W	NO
	Palisades	CE	
A. Talley	Palo Verde 1,2,3	CE	NO
H. McCormy	Peach Bottom	BWR	No
	Point Beach 1,2	2LW	
D. Martin	Prairie Island 1,2	2LW	No, Chemistry is with OPS
	Quad Cities	BWR	
A. Lawrence C. Branham	Robinson	3LW	No
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
Beehl	Seabrook	4LW	NO.
Nolen	Sequoyah 1,2	4LW	No
Donah	South Texas 1,2	4LW	No but chem techs are meter qual
	St. Lucie 1,2	CE	
Doug Van Hoorbeek	Surry 1,2	3LW	NO
	Turkey Point 1,2	3LW	
	VC Summer	3LW	No
Fulghum	Vogtle 1,2	4LW	No, Union Plant, Chem techs are meter qualified.
	Waterford	CE	
K. Weinrich	Watts Bar	4LW	no
R. Carraway	Wolf Creek	4LW	NO

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Use of cavity covers for both FME and Airborne Contamination control

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	ANO	CE, B&W	
Jeff Fontaine	Beaver Valley	3LW	No
J. Coughlin	Braidwood	4LW	No
S. Leach	Byron	4LW	NO
A. Enloe	Callaway	4LW	yes Cover cavity
	Calvert Cliffs	CE	
L. Chupp	Catawba	4LW	yes Both
Cris Mingus	Davis Besse	B&W	No
McKen	DC Cook	4LW	yes FME
	Diablo Canyon	4LW	
Steve	Farley	3LW	Not typically. We did this past outage due to draining
	Ft. Calhoun	CE	
	Ginna	2LW	
	Harris	3LW	
Lloyd Fennie	Indian Point	4LW	NONE
	Kewaunee	2LW	
N. Caccaro	McGuire	4LW	Yes - Cover Cavity
	Millstone	4LW, CE	
B. Pleasants	North Anna	3LW	NO
Bill Meldrum	Oconee	B&W	Previously when working on dome. Not used recently (FME)
	Palisades	CE	
A. Williams	Palo Verde	CE	YES

H. McCowan Peach Bottom NO

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HIGH INTEREST TOPIC AND QUESTIONNAIRE

RP-ALARA Association

Topic: Use of cavity covers for both FME and Airborne Contamination control

Name: Bob French Contact Info: Bofrenc@wcnoc.com

Contact (Name)	Plant	NSSS	Comments
	Point Beach	2LW	
D. Martin	Prairie Island	2LW	No
A. Lawrence C. Brennan	Robinson	3LW	Yes, we covered the cavity last outage
	Salem	4LW	
	San Onofre	CE	
B. Soler	Seabrook	4LW	We cover the cavity
Nolen	Sequoyah	4LW	YES/NO NOT ALWAYS.
Jonah	South Texas	4LW	No, but concrete Peak Does
	St. Lucie	CE	
Doug VanHorebeek	Surry	3LW	No
	TMI	B&W	
	Turkey Point	3LW	
H. L. L. L.	VC Summer	3LW	No
Fulghum	Vogtle	4LW	Stopped due to time and waste generated. Utilize HEPA Units drawing for cavity during water level changes.
	Waterford	CE	
K. Weinich	Watts Bar	4LW	Yes not sure contact later
	Wolf Creek	4LW	
	Framatome		
	BWXT		
T. Young	Clinton		NO
Tony Horn	Riverbend		NO
Bill	NMP	BWR 2/5	NOT during outages. We have a cover on our Equipment Pit

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