

**HIGH INTEREST TOPIC AND QUESTIONNAIRE**  
**PWR ALARA Association**

Topic: How many accessible posted High Radiation Areas does your site have (not including containment)?

Contact (Name)	Plant	NSSS	Comments
Chris Singley	Ginna	2LW	not sure email me
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
David Mad	Prairie Island 1,2	2LW	Both units +/- six
Jeff Fontaine	Beaver Valley 1,2	3LW	Unit 1 4 Unit 2 2
Kay Bryant	Farley 1,2	3LW	~ 10
Herb Jacob	Harris	3LW	18
Chantel A Conroy	North Anna 1,2	3LW	4
C. Branham	Robinson	3LW	25
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2 <sup>3/4</sup>	3LW	6-8 total
Jason Ruehart	VC Summer	3LW	6
J. Coughlin	Braidwood 1,2	4LW	7 each unit
S. Leach	Byron 1,2	4LW	7 each unit
Vonderhaar	Callaway	4LW	~ 12
J. M. Cooper	Catawba 1,2	4LW	~ 8
	Comanche Peak 1,2	4LW	
DAN DOW MILNER	Cook 1,2	4LW	~ 6
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	Lot's, call me
	Salem 1,2	4LW	
Beall	Seabrook	4LW	2 Bar 2

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# HIGH INTEREST TOPIC AND QUESTIONNAIRE

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Contact (Name)	Plant	NSSS	Comments
Fuller	Sequoyah 1,2	4LW	2
	South Texas 1,2	4LW	
E. Fulghum	Vogtle 1,2	4LW	~10-20 per Unit Contact ebfulghu@southernco.com for actuals
	Watts Bar	4LW	
John Cuffe	Wolf Creek	4LW	2
	Millstone 3,2	4LW, CE	
Roy Lopez	Calvert Cliffs	CE	email me
	Ft. Calhoun	CE	
Miller	Palisades	CE	12
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
M SMITH	ANO 2,1	CE, B&W	u-1 ~7 OSCA ~3 u-2 ~5
	Crystal River	B&W	
	Davis Besse	B&W	
Donnie White	Oconee 1,2,3	B&W	~ 4 per Unit
Steve Edelman	TMI	B&W	8
	Areva		
	EDF		
	Westing-house		

# HIGH INTEREST TOPIC AND QUESTIONNAIRE

## PWR ALARA Association

Topic:			
Contact (Name)	Plant	NSSS	Comments
Sengley	Ginna	2LW	T-2 proceduralized
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
Dave Nutt	Prairie Island 1,2	2LW	forced outages complete / 11/31 2 months before
	Ringhals 2,3,4	2LW 3LW	
Jeff Fontaine	Beaver Valley 1,2	3LW	Two months prior to outage
Ray Bryant	Farley 1,2	3LW	T-6 Preliminary Dose Estimate T-1 Approval
Seebach	Harris	3LW	T-1
Chanel A Convey	North Anna 1,2	3LW	Two months
C. Branham	Robinson	3LW	Approved ALARA Plans 1 Month prior
	Surry 1,2	3LW	
	Turkey Point 1,2	3LW	
Fred RICHART	VC Summer	3LW	2 MONTHS
J. Coughlin	Braidwood 1,2	4LW	Dose final by T-2
S. Couch	Byron 1,2	4LW	Approved by T-2
	Callaway	4LW	
John Cooper	Catawba 1,2	4LW	
	Comanche Peak 1,2	4LW	
DAVID W Miller	Cook 1,2	4LW	2 months
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	T-3 three months
	Salem 1,2	4LW	

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Callaway

HIGH INTEREST TOPIC AND QUESTIONNAIRE

PWR ALARA Association

Topic: What outage milestones do you have for completing ALARA plans prior to Refuel? → Time Dose prior to Refuel.

Contact (Name)	Plant	NSSS	Comments
Boehl	Seabrook	4LW	Two months... Not not sure
Fuller	Sequoyah 1,2	4LW	10 weeks - repetitive work (boilerplate) 8 weeks - unique work (all others)
	South Texas 1,2	4LW	
Williams	Vogtle 1,2	4LW	T-6 preliminary dose estimate T-1 All Approvals RWP, DOSE, APs
	Watts Bar	4LW	
John left	Wolf Creek	4LW	T-2
	Millstone 3,2	4LW, CE	
Roy Lopez	Calvert Cliffs	CE	Driven by procedure - T-2
	Ft. Calhoun	CE	
Miller	Palisades	CE	T-3 MONTHS
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
M SMITH	ANO 2,1	CE, B&W	T-3 DOSE EST T-2 RWPs APPROVED
	Crystal River	B&W	
	Davis Besse	B&W	
Phil Kerley	Oconee 1,2,3	B&W	T-3 months
Steve Edelman	TMI	B&W	All approved → 2 months proceduralized
	Areva		
	EDF		
	Westinghouse		



**HIGH INTEREST TOPIC AND QUESTIONNAIRE**  
**PWR ALARA Association**

Topic:			
Contact (Name)	Plant	NSSS	Comments
Chris Singley	GINNA	2LW	yes christian.Singley@eteloncorp.com
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
David Martin	Prairie Island 1,2	2LW	Yes david.martin@xenuclear.com
	Ringhals 2,3,4	2LW 3LW	
Jeff Fontaine	Beaver Valley 1,2	3LW	yes fontainej@firstenergycorp.com
Ray Bryant	Farley 1,2	3LW	yes ALMIXON@SOUTHRACO.COM
Seaback	Harris	3LW	Yes nite.seback@duke-energy.com
Chantel A Conway	North Anna 1,2	3LW	Chantel.a.conway@dominionenergy.com
C. Branham	Robinson	3LW	Christy.Branham@dulce-energy.com
	Surry 1,2	3LW	
Diane Hutchinson	Turkey Point 1,2 <sup>3/4</sup>	3LW	Yes
JASANT. RINEHART	VC Summer	3LW	YES JRIINHART@SCANA.COM
J. Coy Min	Braidwood 1,2	4LW	Yes
S. Leach	Byron 1,2	4LW	Yes Scott.Leach@eteloncorp.com
	Callaway	4LW	
John Cooper	Catawba 1,2	4LW	Yes
	Comanche Peak 1,2	4LW	
DAVID W MILLER	Cook 1,2	4LW	JUZA@AEP.COM AVANOY@AEP.COM
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	Yes
	Salem 1,2	4LW	

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**PWR ALARA Association**

Callaway

Topic: would you be willing to share YOUR ALARA Planning and Review Procedure? please list Email Below

Contact (Name)	Plant	NSSS	Comments
Boehl	Seabrook	4LW	Kinsey.Boehl@NEE.com
Fuller	Sequoyah 1,2	4LW	yes. I can send the full series, if desired. JWFULLER@TVA.FOV
	South Texas 1,2	4LW	
E Fulghum	Vogtle 1,2	4LW	e.bfulghu@southernco.com
	Watts Bar	4LW	
John Cuffe	Wolf Creek	4LW	Yes
	Millstone 3,2	4LW, CE	
Roy Lopez	Calvert Cliffs	CE	of course. rovell.lopez@exeloncorp.com
	Ft. Calhoun	CE	
Miller	Palisades	CE	h.miller4@entergy.com
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
	ANO 2,1	CE, B&W	
	Crystal River	B&W	
	Davis Besse	B&W	
	Oconee 1,2,3	B&W	
Steve Edelman	TMI	B&W	See book
	Areva		
	EDF		
	Westing-house		



# HIGH INTEREST TOPIC AND QUESTIONNAIRE

PWR ALARA Association

Callaway

Topic: Callaway: What type of ALARA plans do you require? Level 1, Level 2? When are each required?

are you doing anything to Reduce the Lower Level Plans/Brief

Contact (Name)	Plant	NSSS	Comments
(Simple)	Ginna	2LW	NO
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
DAVE MARTIN	Prairie Island 1,2	2LW	Greenpass RCA Entrance
	Ringhals 2,3,4	2LW 3LW	
JEFF FENTON	Beaver Valley 1,2	3LW	Full ALARA Plan 500 only 5,000 mrem outage Micro ALARA Plan 100 only 1000 outage
RAY BRYANT	Farley 1,2	3LW	yes
Seebach	Harris	3LW	No, procedure based
	North Anna 1,2	3LW	
C. Branham	Robinson	3LW	Micro 7100 + < 500 mrem ALARA Plan > 500 mrem
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2	3LW	Elected to do Micro ALARA Plans at 5 mrem 50 mrem, 1 rem, 3 Rem + 10 Rem
S. Lisenhart	VC Summer	3LW	WE ARE IN THE PROCESS OF IMPROVING W/PLANS
J. Coughlin	Braidwood 1,2	4LW	NO
S. Coach	Byron 1,2	4LW	NO
	Callaway	4LW	500 mrem
John Cooper	Catawba 1,2	4LW	100 mrem, 500 mrem
	Comanche Peak 1,2	4LW	
David W. Miller	Cook 1,2	4LW	yes.
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	100 mrem, 500 mrem
	Salem 1,2	4LW	

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# HIGH INTEREST TOPIC AND QUESTIONNAIRE

## PWR ALARA Association

Topic: Callaway: What type of ALARA plans do you require? Level 1, Level 2? When are each required?

are you doing anything to reduce the amount of Lower Level Plans / Briefs

Contact (Name)	Plant	NSSS	Comments
Boell	Seabrook	4LW	50 mem, 1 rem, 3 rem, 10 rem
Fuller	Sequoyah 1,2	4LW	2500 mem! RWP; 500-1000 mem <del>AP: 1-5</del> 47. 25 12
	South Texas 1,2	4LW	
E. Fulghum	Vogtle 1,2	4LW	Reduce ALARA Plans + Briefs, still perform HRA/LHRA Briefs. Currently working on reducing total RWPs + ALARA Plans.
	Watts Bar	4LW	
John Cuff	Wolf Creek	4LW	Not a good plan yet.
	Millstone 3,2	4LW, CE	
Ray Lopez	Calvert Cliffs	CE	No
	Ft. Calhoun	CE	
MILLER	Palisades	CE	eliminate RWP BRIEFS. REDUCE ALARA BRIEFS STILL DO HRA/LHRA BRIEFS
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
M. SMITH	ANO 2,1	CE, B&W	SELF BRIEF → LOW LEVEL STUFF ALARA PLANS ONLY REQ <sup>d</sup> FOR: 1) HIGH RISK 2) EDF USE
	Crystal River	B&W	
	Davis Besse	B&W	
Phil Velle	Oconee 1,2,3	B&W	NO
Steve Edelman	TMI	B&W	Proceduralize + No reduction
	Areva		
	EDF		
	Westing-house		

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# HIGH INTEREST TOPIC AND QUESTIONNAIRE

PWR ALARA Association

Topic: Has your site implemented NISP-RP-005 "Access Controls for High Radiation Areas"?

Contact (Name)	Plant	NSSS	Comments
Chris Singley	GINNA	2LW	In progress
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
Dave Mark	Prairie Island 1,2	2LW	In Process
Jeff Fountain	Beaver Valley 1,2	3LW	yes
Roy Bryant	Farley 1,2	3LW	NO IN PROGRESS
	Harris	3LW	yes
	North Anna 1,2	3LW	
Christy Branham	Robinson	3LW	YES
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2	3LW	yes
JASON T. RINEHART	VC Summer	3LW	NO. IN PROGRESS CURRENTLY.
J Coughlin	Braidwood 1,2	4LW	In progress
Scott Coe	Byron 1,2	4LW	In Progress
Vonderhaar	Callaway	4LW	NO
John Cooper	Catawba 1,2	4LW	yes
	Comanche Peak 1,2	4LW	
David W. Miller	Cook 1,2	4LW	In Progress by Feb.
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	yes
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	yes

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**PWR ALARA Association**

Topic: Has your site implemented NISP-RP-005 "Access Controls for High Radiation Areas"?

Contact (Name)	Plant	NSSS	Comments
Fuller	Sequoyah 1,2	4LW	No. 2/1/18 target.
	South Texas 1,2	4LW	
M. Williams	Vogtle 1,2	4LW	Not yet have Reviewed procedure draft
	Watts Bar	4LW	
	Wolf Creek	4LW	
	Millstone 3,2	4LW, CE	
Roy Lopez	Calvert Cliffs	CE	IN Progress
	Ft. Calhoun	CE	
MILLER, H	Palisades	CE	NO
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
	ANO 2,1	CE, B&W	
	Crystal River	B&W	
	Davis Besse	B&W	
Donnie White	Oconee 1,2,3	B&W	Yes
Steve Edelman	TMI	B&W	Yes
	Areva		
	EDF		
	Westing- house		



# HIGH INTEREST TOPIC AND QUESTIONNAIRE

PWR ALARA Association

Topic: How many Locked High Radiation Areas events has your site had in the past 12 months?

Contact (Name)	Plant	NSSS	Comments
Chris Singley	Ginna	2LW	∅
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
Dave Mad	Prairie Island 1,2	2LW	∅
Jeff Fontaine	Beaver Valley 1,2	3LW	One event
Ray Bryant	Farley 1,2	3LW	∅
	Harris	3LW	∅
Charrel Alamy	North Anna 1,2	3LW	∅
Christy Branham	Robinson	3LW	∅
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2	3LW	∅
JASON RISEWART	VC Summer	3LW	∅
J Coffin	Braidwood 1,2	4LW	∅
Scott Leach	Byron 1,2	4LW	∅
Vonderhaar	Callaway	4LW	∅
John Cooper	Catawba 1,2	4LW	∅
	Comanche Peak 1,2	4LW	
David W. Miller	Cook 1,2	4LW	∅
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	∅
	Salem 1,2	4LW	
Boehl	Seabrook	4LW	Zero

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Contact (Name)	Plant	NSSS	Comments
Fuller	Sequoyah 1,2	4LW	0
	South Texas 1,2	4LW	
E. Fulghum	Vogtle 1,2	4LW	Ø
	Watts Bar	4LW	
B. French	Wolf Creek	4LW	Ø
	Millstone 3,2	4LW, CE	
Roy Lopez	Calvert Cliffs	CE	Ø
	Ft. Calhoun	CE	
Henry Miller	Palisades	CE	1
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
MARK SMITH	ANO 2,1	CE, B&W	1
	Crystal River	B&W	
	Davis Besse	B&W	
Donnie White	Oconee 1,2,3	B&W	Ø
Steve Edelman	TMI	B&W	None
	Areva		
	EDF		
	Westing- house		

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Topic: How many High Radiation Areas events has your site had in the past 12 months?

Contact (Name)	Plant	NSSS	Comments
Chris Singlet	Ginna	2LW	0
	Kewaunee	2LW	
	Point Beach 1,2	2LW	
Dave Mark	Prairie Island 1,2	2LW	1
Jeff Fontaine	Beaver Valley 1,2	3LW	One event
Ray Bryant	Farley 1,2	3LW	0
	Harris	3LW	0
Chandel A Conway	North Anna 1,2	3LW	one event
Christy Brabham	Robinson	3LW	1 Event
	Surry 1,2	3LW	
Duane Hutchinson	Turkey Point 1,2 <sup>3/4</sup>	3LW	0
J. Riehart	VC Summer	3LW	0
J Conley	Braidwood 1,2	4LW	0
Scott Cochran	Byron 1,2	4LW	1
Vonderhaar	Callaway	4LW	0
John Cooper	Catawba 1,2	4LW	0
	Comanche Peak 1,2	4LW	
Dorell W. Miller	Cook 1,2	4LW	0
	Diablo Canyon 1,2	4LW	
	Indian Point 2,3	4LW	
S. Lisi	McGuire 1,2	4LW	0
	Salem 1,2	4LW	
Beehl	Seabrook	4LW	Zero

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Topic: How many High Radiation Areas events has your site had in the past 12 months?

Contact (Name)	Plant	NSSS	Comments
Fuller	Sequoyah 1,2	4LW	0
	South Texas 1,2	4LW	
E. Fulghum	Vogtle 1,2	4LW	0
	Watts Bar	4LW	
Bob French	Wolf Creek	4LW	0
	Millstone 3,2	4LW, CE	
T Roy Lopez	Calvert Cliffs	CE	0
	Ft. Calhoun	CE	
Henry Miller	Palisades	CE	0
	Palo Verde 1,2,3	CE	
	San Onofre 2,3	CE	
	St. Lucie 1,2	CE	
	Waterford	CE	
MARK SMITH	ANO 2,1	CE, B&W	1
	Crystal River	B&W	
	Davis Besse	B&W	
Donnie White	Oconee 1,2,3	B&W	0
Steve Edelman	TMI	B&W	None
	Areva		
	EDF		
	Westing- house		

## HIGH INTEREST TOPIC AND QUESTIONNAIRE

PWR ALARA Association

Key West, FL

January 23-25, 2018

Topic: Do you have a Calculation for Monetary Value of a Person Run?  
 Can you share it with Cook ALARA Group. We are updating our Rad. Eng. Report  
 (see attachment)

Name: David W. Miller

Contact Info: DW Miller 2 @ aep.com

Contact (Name)	Plant	NSSS	Comments
M. SMITH	ANO 2,1	CE, B&W	\$25,000/REM
	Beaver Valley 1,2	3LW	
Coughlin	Braidwood 1,2	4LW	20K/INPO Rank
S. Leach	Byron 1,2	4LW	20K Per Quartile
VonderHaw	Callaway	4LW	20,000
Roy Lopez	Calvert Cliffs	CE	20K/INPO Ranking
	Catawba 1,2	4LW	
	Davis Besse	B&W	
	DC Cook 1,2	4LW	
	Diablo Canyon 1,2	4LW	
RAY BRANT	Farley 1,2	3LW	\$20K <sup>per person Run</sup> for 1 <sup>st</sup> QUARTILE \$40K 2 <sup>nd</sup> \$60K 3 <sup>rd</sup>
	Ft. Calhoun	CE	
Seifly	Ginna	2LW	20K/INPO Rank
	Harris	3LW	
	Indian Point 2,3	4LW	
	Kewaunee	2LW	
S. Lisi	McGuire 1,2	4LW	\$20K Per Run x quartile
	Millstone 3,2	4LW, CE	
	North Anna 1,2	3LW	
Phil Kelley	Oconee 1,2,3	B&W	20K 1 <sup>st</sup> INPO 40K 2 <sup>nd</sup> INPO QUARTILE EON
Paul	Palisades	CE	\$100K/REM
	Palo Verde 1,2,3	CE	

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**HIGH INTEREST TOPIC AND QUESTIONNAIRE**  
**PWR ALARA Association      Key West, FL      January 23-25, 2018**

Topic:

Name:

Contact Info:

Contact (Name)	Plant	NSSS	Comments
	Point Beach 1,2	2LW	
<i>Paulina</i>	Prairie Island 1,2	2LW	<i>Answer then email US</i>
	Robinson	3LW	
	Salem 1,2	4LW	
	San Onofre 2,3	CE	
<i>Doell</i>	Seabrook	4LW	<i>no</i>
<i>Fuller</i>	Sequoyah 1,2	4LW	<i>\$25K * INPO quartile</i>
	Sizewell B	4LW	
	South Texas 1,2	4LW	
	St. Lucie 1,2	CE	
	Surry 1,2	3LW	
<i>Steve Edelman</i>	TMI	B&W	<i>\$20K per quarter</i>
<i>Duane Hutchinson</i>	Turkey Point 1,2 <sup>3/4</sup>	3LW	<i>No.</i>
<i>JASON RIDENHART</i>	VC Summer	3LW	<i>25K / REM</i>
<i>E. Fulghum</i>	Vogtle 1,2	4LW	<i>\$20K / man/ann dependent upon quartile 1st Quartile \$20K, 2nd 40K, 3rd 60K etc.</i>
	Waterford	CE	
	Watts Bar	4LW	
<i>J. Cutler</i>	Wolf Creek	4LW	<i>40K per/ann</i>
	EDF		
	AREVA		
	BWXT		

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Code 2018 Projects

Restricted Distribution to Utilities ONLY

for Duane

## ALARA Section Highlights

### Cook Units 1, 2, American Electric Power

#### PWR ALARA Association Meeting

January 25, 2018

For the online dose for 2018, it includes projects for the year, which includes 2.267 Rem. Dividing it by 2 is the placeholder until we get actual numbers for the units. So without the project we would be at 5.272 Rem, which is usually divided by the number of units and then the projects would split out based on which unit it was for. But RMS, Walkdowns, Dry Cask and the Spent Fuel Handling Machine are all common to both units so there wouldn't be much difference.

The primary projects are:

- RMS - 292 mrem
- Walkdowns - 105 mrem
- Dry Cask 1.392 Rem
- Spent Fuel Handling Machine - 363 mrem
- U2 Cavity lift - 95 mrem
- Pre-outage upflow conversion & baffle bolts - 20 mrem

Unit 1 on-line 2017 = 3.149 Rem (SRD)

Unit 2 on-line 2017 = 2.797 Rem (SRD)

The U1C28 outage completed at 63.310 Rem (SRD).

The estimate for 2018 for on-line work is 7.539 Rem (3.769 Rem each unit) with 1.5 Rem in the PMRF for use as needed. As we withdraw dose from the PMRF the yearly on-line dose estimate will increase accordingly.

Derek Hultquist and Olga Juza

RP Supervisor - ALARA and Instrumentation

D. C. Cook

(269) 465-5901 x2088