



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713**

June 21, 2012

MEETING SUMMARY

LICENSEE: EXELON GENERATION COMPANY, LLC

FACILITY: OYSTER CREEK NUCLEAR GENERATING STATION

SUBJECT: SUMMARY OF PUBLIC MEETING

On June 6, 2012, from 6:00 p.m. to 8:00 p.m., the U. S. Nuclear Regulatory Commission (NRC) conducted a public meeting at the Holiday Inn in Toms River, New Jersey. This public meeting was conducted to allow citizens an opportunity to provide public comment in a public format and to discuss specific items of public interest related to the Oyster Creek Nuclear Generating Station and to the safety of the nuclear industry in general. This meeting was conducted to supplement the annual assessment meeting held on March 28, 2012, based on interest from public stakeholders and United States Senators Robert Menendez and Frank R. Lautenberg from New Jersey, and Congressman Christopher H. Smith, 4th District, New Jersey.

A public meeting notice was issued on May 16, 2012, and was posted on the NRC's external (public) Web page. The meeting notice can be found in the NRC's Agencywide Documents Access and Management System (ADAMS) with Accession No. 12137A589. ADAMS is accessible from the NRC Web page at: <http://www.nrc.gov/reading-rm/adams.html>.

The NRC presented slides and had informational handouts available, provided the public a forum to participate, and answered questions posed by members of the public related to the Oyster Creek Nuclear Generating Station. Additional information related to the safety performance of Oyster Creek Nuclear Generating Station can be found on the NRC's web site at: www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html.

Members of the public, New Jersey state and local officials, U.S. Senate and Congressional staff, and members of the media attended the meeting. NRC staff responded to questions regarding specific items of public interest related to the Oyster Creek Nuclear Generating Station and to the NRC's current and planned regulatory activities related to the nuclear industry.

/RA/

Gordon K. Hunegs, Chief
Projects Branch 6
Division of Reactor Projects

Enclosures:

Public Meeting Sign in Sheets (ML12170A460)
NRC Slide Presentation (ML12159A352)
EPA Slide Presentation (ML12159A358)

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Enclosures:

Attendee List (ML12170A460)
NRC Slide Presentation (ML12159A352)
EPA Slide Presentation (ML12159A358)

Distribution: (via email)

D. Roberts, DRP
J. Clifford, DRP
G. Hunegs, DRP

S. Barber, DRP
L. Kern, DRP
J. Kulp, DRP, SRI
J. Ambrosini, DRP

A. Patel, DRP, RI
J. DeVries, DRP, AA
RidsNRRPMOysterCreek Resource

DOC NAME: G:\DRP\BRANCH6\ROP Assessment Folders\ROP 12\End-of-Cycle\OC\Public Meeting regarding
Items of Public Interest Summary OC.docx

ADAMS Accession No.: **ML12173A132**

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OFFICE <i>mmt</i>	RI/DRP	RI/DRP			
NAME	SBarber/SB	GHunegs/SB for			
DATE	06/21/12	06 / 21/12			

OFFICIAL RECORD COPY



June 6, 2012
Nuclear Regulatory Commission Public Meeting
2012 Issues of Public Interest for Oyster Creek

	Name	Title	Organization	Request to Speak ✓
1	Arjan Hasemann	REP Program	FEMA Region II	
2	Molly Jordan Chip Jordan	FAMILY	Exelon	
3	Chelsey Martin			
4	Jon Christensen	REP Planner NISP OCM	NISP OCM	
5	Ron ZAK	Nuc. Eng'r.	NJ DEP- BNE	
6	Rich Pinney	Supervisor	NJ DEP	
7	Roz Axente	ASST-UNIT Head	NISP	
8	Doug Greenfield	Self	Greenfield Enterprises	
9	Lon Trow	SELF		
10	Sandy Pate		LWV-OC	



June 6, 2012
Nuclear Regulatory Commission Public Meeting
2012 Issues of Public Interest for Oyster Creek

	Name	Title	Organization	Request to Speak ✓
11	Gail M. Sarno	member	LVR OC	
12	Mike MASSARO	Site VP	Exc.	
13	Russell Peak	Plant Manager	Exc	
14	J. Kohn			
15	Jenny Renner	Supv. Planner	NJSP O&M	
16	Michael Danto	Attorney Grammes J	Attorney	✓
17	Peter Weeks	Sweet's Bureau of Eng	Member	✓
18	Janet Tauro	NJEF/ Grammes	Chair, board directors	✓
19	PAUL GUNTER	BEYOND NUCLEAR		✓
20	Bengi Shumels	NJEF/ Grammes	Program Organizer member	✓



June 6, 2012
Nuclear Regulatory Commission Public Meeting
2012 Issues of Public Interest for Oyster Creek

	Name	Title	Organization	Request to Speak ✓
21	JEFF BROWN		GRAMMES	✓
22	Bob Vossillo	Ashby Park Press rent	—	
23	Steve Post	Resident Forked River Area		
24	DONNEY PARKER	RESIDENT TR		
25	Susan Kaplan/y	FILMMAKER PRESS / FILMS		
26	MARGIT MEISSNER-JACKSON	CONSERVATION / NICE Chair	SIERRA CLUB OCEAN COUNTY	✓
27	Brunner			
28	Kristen Huber	Mrs. Kristent Huber Forked River, NJ		
29	Paul E. Schwa	Nuclear Engineer	NJBNE	
30	Bruce Dionne	Health Physicist	SELF	



June 6, 2012
Nuclear Regulatory Commission Public Meeting
2012 Issues of Public Interest for Oyster Creek

	Name	Title	Organization	Request to Speak ✓
31	Joan Blake		GRAMMES	
32	Chris Burke		non -	
33	Elaine Piniat		Lacey Patch	
34	Cathy Sims			
35	Lois Jacobson	vice-pres chair	LNUV-OC climate Action Comm chair	
36	Yvonne Cohn			
37	Mary Sadankas	VP - LNUV of Ocean		
38	Laurie ERZINGTON			
39	Joan Finn			yes
40	Barbara Kalichstein			



June 6, 2012
Nuclear Regulatory Commission Public Meeting
2012 Issues of Public Interest for Oyster Creek

	Name	Title	Organization	Request to Speak ✓
41	Sara Díaz			
42	Tony Diaz			
43	Anne Diaz			
44	Michael Hand			
45	Suzanne D'Ambrosio			
46	Joan Rebin			
47	Joanne Loundy			
48	James Loundy			
49	Carolyn Fefferman	Sen. Adnan	Senator Menendez	✓
50	Jennifer Speed	Sen. Lautenberg	Deputy State Director	



June 6, 2012
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2012 Issues of Public Interest for Oyster Creek

	Name	Title	Organization	Request to Speak ✓
51	Edith Gbur	Pres.	JSNW	
52	Grace Costanzo	V.P.	JSMW	
53	Al Glynn	Pres	WOBM	
54	Wj	—	—	
55	Jen Kim		NJPIRG	
56	Sheila McHugh	Pres. League of Women Voters of OC		
57	Karen Argenti		self	
58	William deCamp Jr		self	✓
59	BONNIE ENLWE	—	self	✓
60	Danilo		SELF	



June 6, 2012
Nuclear Regulatory Commission Public Meeting
2012 Issues of Public Interest for Oyster Creek

Name	Title	Organization	Request to Speak <input checked="" type="checkbox"/>
61 ^{Rodgers} Jeanne Rodgers	Doctor	Medical Reserve Corp.	
62 Andree Gotsch	Mom		
63 BARRY BENDAR			
64 Marianne Clemente			<input checked="" type="checkbox"/>

Oyster Creek Public Meeting

June 6, 2012

Nuclear Regulatory Commission – Region I

Meeting Agenda

- Introductions
- Oyster Creek 2011 Performance Results
- Presentation from EPA
- Presentation from NRC
- Questions & Answers



NRC Annual Assessment Summary of Oyster Creek

- Exelon operated the plant safely
- Oyster Creek was in the Licensee Response Column of NRC's Action Matrix in 2011
- The NRC plans to perform baseline inspections in 2012



NRC Inspection Activities at Oyster Creek for 2011

- 5589 hours of direct inspection
- Two resident inspectors on site
 - Event response
 - Inspect over 20 areas of plant performance
 - Examples include operator performance, risk management, equipment issues, and fire protection



NRC Inspection Activities at Oyster Creek for 2011

- Nine regional inspections
- Four team inspections
 - Triennial Fire Protection
 - EP Exercise Evaluation
 - Operator Licensing Examinations
 - Security Baseline



Environmental Protection Agency (EPA)

Region 2



Fukushima Lessons Learned

- July 2011
 - Near-Term Task Force (NTTF) report issued
- September/October 2011
 - NTTF recommendations prioritized into 3 tiers
- March 2012
 - The NRC staff issued the Tier 1 orders and requests for information



Orders

- The NRC staff ordered licensees to:
 - Develop strategies and procure additional equipment to address beyond-design-basis natural phenomena and multiunit events
 - Include a reliable hardened vent in Mark I and Mark II containments
 - Enhance spent fuel pool instrumentation for beyond design basis accidents

Requests for Information

- The NRC staff requested information on:
 - Whether facility configurations, as confirmed by seismic and flooding walkdowns, are in compliance with current facility design bases
 - The adequacy of facility design bases with respect to seismic and flooding hazards
 - Current communications system power supplies and their availability during a prolonged SBO event
 - The required staffing necessary to respond to a multiunit, prolonged SBO event

Rulemaking Activities

- On March 20, 2011, the NRC issued an advanced notice of proposed rulemaking regarding a potential revision to the Station Blackout rule.
- On April 18, 2011, the NRC issued an advanced notice of proposed rulemaking regarding the integration of EOPs, SAMGs, and EDMGs.



Next Steps on Tier 1 Orders and Request for Information

- Develop implementation guidance for the orders and requests for information
- Review licensee responses to the orders and requests for information
- Conduct follow up inspections



More Information

- NRC's public website:
 - <http://www.nrc.gov/japan/japan-info.html>
 - Frequently Asked Questions
- Contact Scott Burnell, Public Affairs Officer, at 301-415-8204
- NRC is accepting public comments on any of the recommendations
- Please send comments to
JLD_Public.Resource@nrc.gov



NRC Social Media Channels



- Blog: <http://public-blog.nrc-gateway.gov/>
- Flickr: <http://www.flickr.com/photos/nrcgov/>
- Twitter: <https://twitter.com/#!/nrcgov>
- YouTube: <http://www.youtube.com/user/NRCgov>
- RSS: <http://www.nrc.gov/public-involve/listserver.html#rss>

Contacting the NRC

- Report an emergency
 - (301) 816-5100 (call collect)
- Report a safety concern
 - (800) 695-7403
 - Allegation@nrc.gov
- General information or questions
 - www.nrc.gov

References

- <http://www.state.nj.us/>
- <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/buried-pipes-tritium.html>



End of Presentation

Nuclear Regulatory Commission

Region I

Toms River, NJ

June 6, 2012



EPA Role in Nuclear Power Plant Regulation and Oversight



Michael F. DeBonis

Radiation and Indoor Air Branch U.S.
Environmental Protection Agency, Region 2

290 Broadway, New York NY

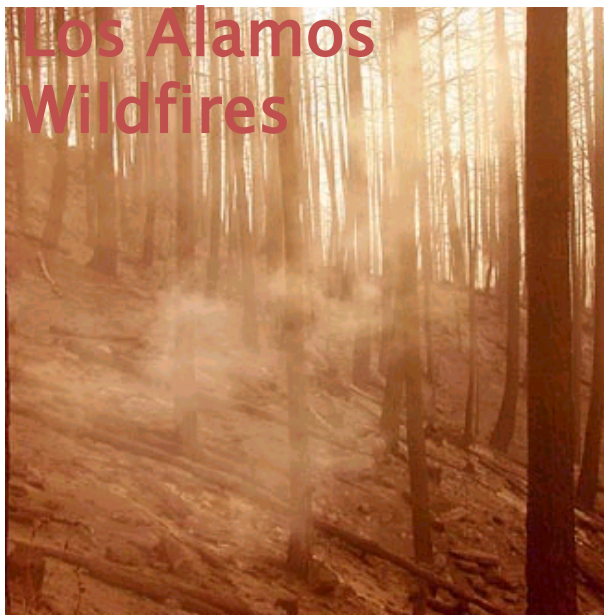
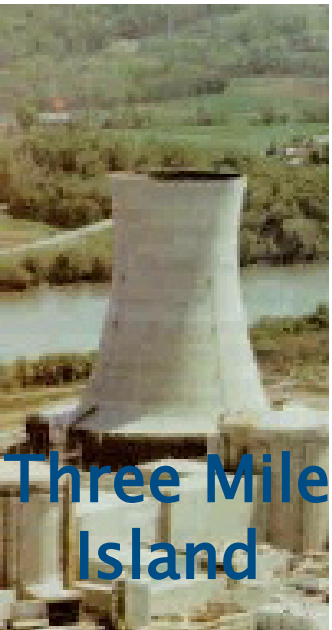
June 6, 2012

Radiation Protection at EPA

- ▶ EPA is the Federal agency mandated to protect human health and the environment.
- ▶ Major activities:
 - Homeland security/ emergency response
 - Public protective action recommendations
 - Cleanup/waste management
 - Emissions regulation
 - RadNet
 - Science and technology
 - Information and outreach

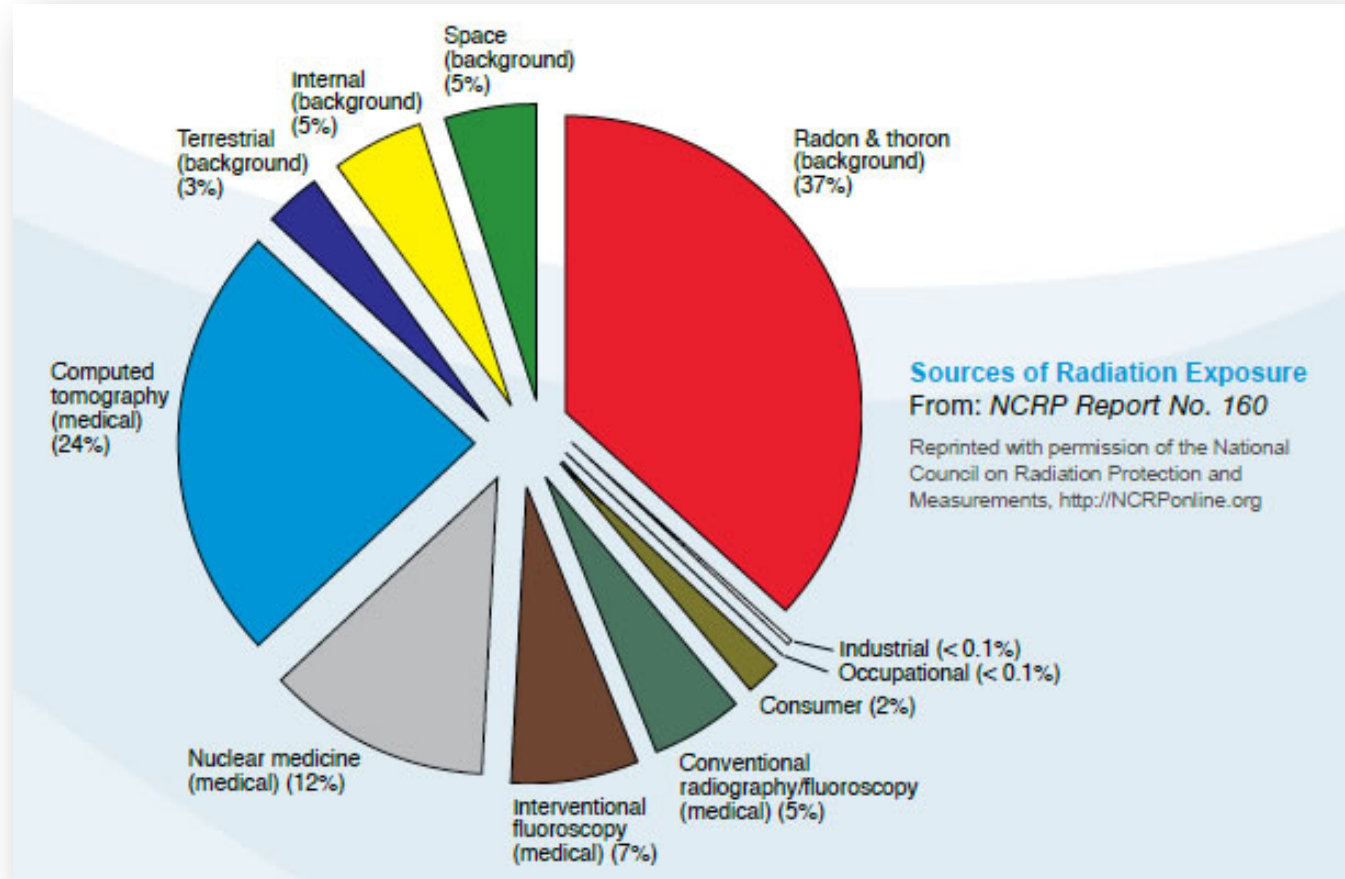


Types of Radiological Incidents and Emergencies



- ▶ Nuclear facility accidents
- ▶ Nuclear weapon and device accidents
- ▶ Nuclear terrorism
- ▶ Sabotage
- Contaminated imports
- Transportation accidents
- Satellite Reentry
- Orphan sources
- **Foreign incidents**

Putting Fukushima Risk in Perspective



Average annual radiation dose per person in the U.S. is 620 mrem

Calculate your estimated annual radiation dose:

<http://www.epa.gov/radiation/understand/calculate.html>

EPA RadNet System

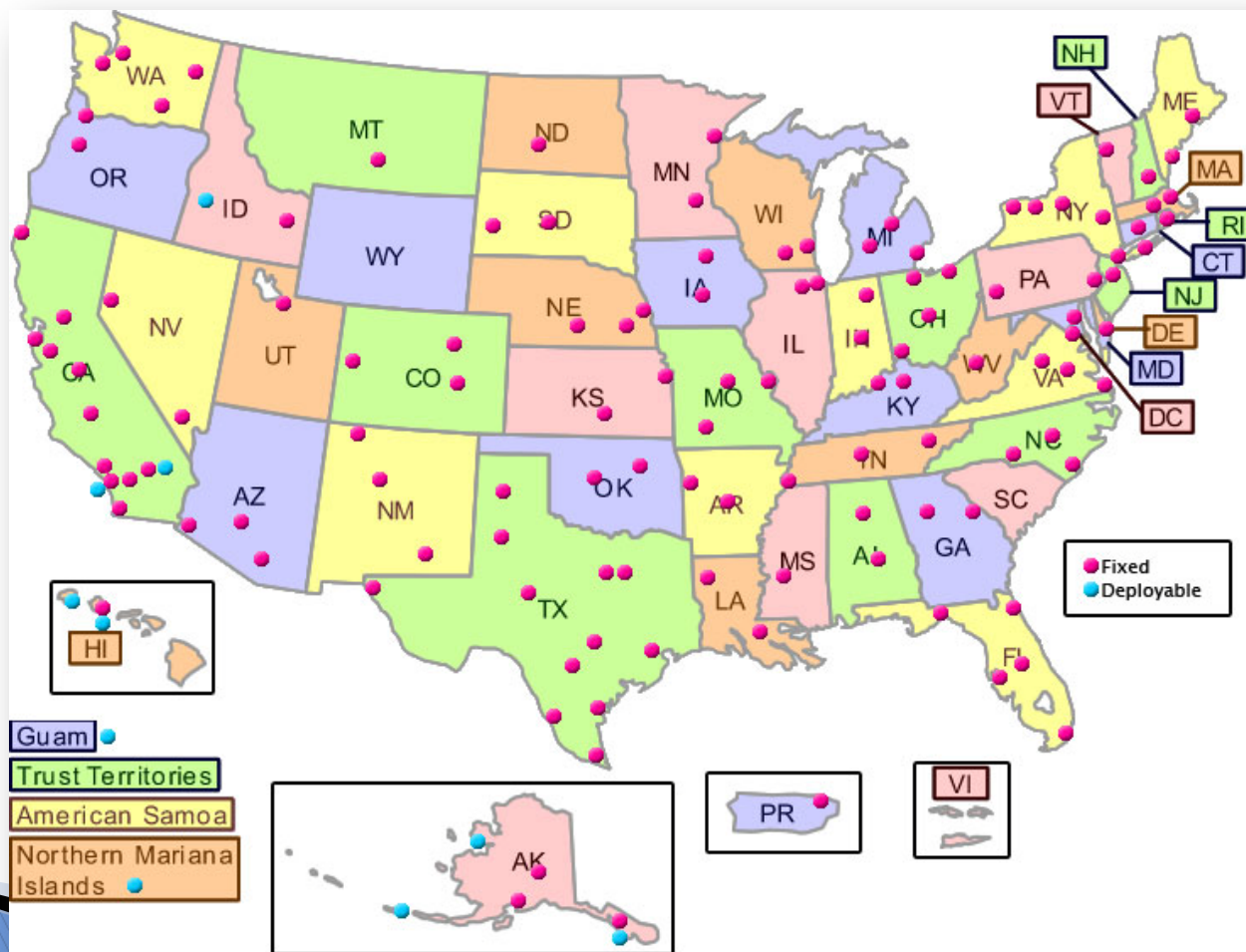
- Currently, 125 permanent RadNet stations
- Deployable stations set up in Alaska, Hawaii, Guam, and Northern Marianas Islands
- Capable of detecting above background levels, but do not expect any harmful levels
- Real-time data have shown only typical background fluctuations
- For daily RadNet data: www.epa.gov/japan 2011



RADNET

Tracking Environmental Radiation Nationwide

Air Monitoring Stations





RADNET

Tracking Environmental Radiation Nationwide

National Radiation Monitoring System



- ▶ EPA's RadNet monitors across the US show typical fluctuations in background radiation levels.
- ▶ Additional Deployable Monitors were sent to the Aleutian islands, Hawaii, Guam and Saipan to improve monitoring coverage for this event.
- ▶ The levels detected are far below levels of concern

What is Additional Risk from Fukushima?

- ▶ Trace levels of radioactive isotopes measured are consistent with the Japanese nuclear incident and far below levels of public health concern.
- ▶ **Additional exposure from well below 1 mrem**
for individuals in US and Territories
- ▶ Measured levels hundreds to thousands of times lower than FDA Derived Intervention Levels (DILS)
- ▶ Greater risk from Radon – **257 mrem/yr**
- ▶ **Bottom line? Test your house for radon!**

NCRP 160, 2009

Ongoing EPA Commitment

“While we do not expect radiation from the damaged Japanese reactors to reach the United States at harmful levels, I want to assure you that EPA will continue our coordination with our federal partners to monitor the air, milk, precipitation and drinking water for any changes, and we will continue our outreach to the public and the elected officials to provide information on our monitoring results.”

– Administrator Lisa P. Jackson

For more information and updates...

Calculate your estimated annual radiation dose:

<http://www.epa.gov/radiation/understand/calculate.html>

FAQs on Japan Nuclear Emergency

www.epa.gov/japan2011/japan-faqs.html

Summary of monitoring results

www.epa.gov/japan2011/rert/radnet-data-map.html

Summary of laboratory results

www.epa.gov/japan2011/rert/radnet-sampling-data.html

