

Community Advisory Council
June 12, 2014
Action Items/Notes

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
 - Membership Update
 - Agenda setting results
4. Former Reactor Facilities and Groundwater Cleanup Updates
5. Community Comment
6. The CERN Masterclass – Teachers and Students experiencing Hands-On Science
7. September Agenda setting

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, S. Bogart, J. Carter, R. Celestino, B. Dorsch, P. Genzer, R. Gordon, R. Howe, M. Israel, H. Ma, D. Martin, G. Mattson, R. McKay, P. Paul, A. Rapiejko, J. Remien, N. Sundin, H. Takai

2. Correspondence and Handouts

Items numbered one through four were mailed to Members with a cover letter dated June 5, 2014. Items numbered five through nine were available as handouts at the meeting.

1. Draft agenda for June 12, 2014
2. Draft notes from the May 8, 2014 meeting
3. ISB Tour Agenda and Map
4. 2014 Summer Sunday flyer
5. Presentation – Former Reactor Facilities Surveillance and Maintenance and Groundwater Cleanup Updates
6. Presentation – The CERN Masterclass, Teachers and students experiencing hands-on science
7. Groundwater cleanup map
8. Summer Sundays flyers
9. Water Quality Report

3. Administrative Items

Fourteen members attended a tour of the Interdisciplinary Science Building prior to the meeting.

The meeting was called to order at 6:31 PM. Reed Hodgin, facilitator, reviewed the ground rules and the agenda. Those in attendance introduced themselves.

Peter Genzer, Interim Assistant Laboratory Director for CEGPA, told the CAC that Nora Sundin has been promoted to Stakeholder Relations Manager.

Membership Update

Nora Sundin, liaison to the CAC, said she spoke to a representative of IBEW and was told that they are looking for a replacement for Member Krsnak. They have asked that the CAC keep their membership active to give them time to locate someone.

Hodgin said no action is required of the CAC at this time since while the IBEW is searching for a new Member.

Agenda setting results

Hodgin went over the results of the prior month's agenda setting exercise. Member Jordan Sweet said she was not in attendance last month and asked if she could email her requests to Sundin so they can be added to the list.

Approval of Minutes

Hodgin asked for corrections, additions, or deletions to the May 8, 2014 draft notes. Member Peskin said that on page 4, he would like to add to his comment, "IBEW is the lead bargaining unit of all onsite union activities". Member Martin said on page 3, he would like to reverse the order of his name and Greg Bush's to indicate that they are the member and alternate, respectively. Also, he would like to add the word "remain" to his comment. Additionally, he would like to elaborate on the description of FEE to indicate that they also have a local Long Island group and change the word "me" to "Martin". He also asked to add the words "at his request" to the comment about Adam Martin's removal from CAC membership. Member Chaudhry said on page 2, he would like to amend his comment to say; Member Chaudhry referred to the carbon ion treatment and asked which one out of the Photons or Protons are more effective in killing the tumor.

The notes were approved as amended with none opposed and three abstentions.

4. Former Reactor Facilities Surveillance and Maintenance and Groundwater Cleanup Updates, Bill Dorsch – Groundwater Protection Group Manager

Former Reactor Facilities

Bill Dorsch explained that the Lab conducts routine and non-routine inspections to monitor the integrity of the former reactor facilities to identify issues and perform maintenance as necessary until decommissioning and dismantlement (D&D), according to the Record of Decisions (RODs), is complete.

He explained that the HFBR has been in a cold and dark state since 2010 with the majority of remaining radiation contained in the reactor vessel. It has a 65-year safe storage period until decommissioning.

The BGRR building has been cold and dark since 2012. There is radiological soil contamination below the building/cap. It will continue to be inspected and maintained until the building is removed.

The stack and surrounding grounds were placed in a safe storage state in 2012 and will continue to be inspected and maintained until D&D by 2020. The stack contains low-level radiation.

Dorsch said that detailed Surveillance and Maintenance Manuals have been developed for each facility and are updated periodically. Routine inspection frequencies vary from quarterly to annually according to the facility. Non-routine inspections are performed after severe weather events and in response to water infiltration alarms.

Some observations made during inspections include: water in the generator room of the HFBR due to condensation, water in the former office areas following precipitation events, and minor window damage due to Hurricane Sandy. The BGRR had minor roof leaks. Paint degradation and safety improvements to ladder climbing apparatus and platforms were noted at the stack. Dorsch described how the items identified during the inspections have been, or will be addressed.

Member Schwartz asked why there is a sign that says no vehicles permitted near the BGRR.

Dorsch explained that there is an engineered cap surrounding much of the building which has a weight limit.

Member Chaudhry said annual routine inspections do not seem to be enough.

Dorsch said inspections are done twice a year, with only certain aspects that are inspected on a yearly basis.

Member Martin asked why there was no information on the Brookhaven Medical Research Reactor (BMRR).

Dorsch said it is not a CERCLA project. The Lab's Waste Management Group inspects that facility on a monthly basis.

Member Martin asked about the remaining levels of contamination in all three former reactors, and if there have been any animal intrusions in the buildings.

Dorsch said the bulk of the contamination in the HFBR is in the reactor vessel. The contamination associated with the BGRR is much, much lower. There have not been many animal intrusions, only a few birds in the BGRR.

ACTION ITEM: Provide a summary of the remaining levels of contamination in the three reactors.

Member Shea asked if there were any problems due to the earthquake that occurred in NJ.

Dorsch said there was no damage to buildings. There was some dust on the floor of the HFBR which they think was a result of the vibration.

Member Doroski asked if it is safe to assume that the BGRR contamination will remain in the ground, if there are any plans to remediate it further, and what year the stack was built.

Dorsch said the contamination will eventually decay; there are no remediation plans right now. I will have to find out the year the stack was built and get back to you.

ACTION ITEM: Provide the year the stack was built.

Member Feinman asked if the control panels are connected to a master control panel somewhere.

Dorsch said they are connected to the Central Chilled Water Facility.

Member Schwartz asked to what extent is monitoring of groundwater in association with these facilities continuing and does that provide you with some protection against any further contamination.

Dorsch said we continue to monitor the source areas, especially the BGRR. We occasionally have peaks in concentration levels outside the HFBR. Monitoring helps us to feel confident that we aren't missing anything.

Dorsch said he will be back in the fall with further updates.

Groundwater Cleanup Updates

Dorsch explained that Industrial Park extraction wells UVB-3, 4, 5, and 6 were restarted in April due to deep VOC contamination found. The existing treatment system wells were too shallow to capture and treat the deeper contamination, so a total of eight temporary wells and two additional deep extraction wells are being installed.

Member Giacomaro asked about the depth of the VOC plume

Dorsch said it is about 220 – 250 feet.

5. Community Comment

There was no community comment.

6. The CERN Masterclass, Helio Takai – Physics Department, BNL

Helio Takai spoke about the CERN Masterclass; teachers and students experiencing hands-on science. He said there are many reasons why scientists should interact with teachers, students, and the public. He said the CERN Masterclass gives students a glimpse of big science, and enables students to have the opportunity to meet peers from other schools and countries to try and understand a little bit about what scientists do.

7. September Agenda Setting

Sundin told the CAC that the next meeting will be on September 11, 2014. There will be a presentation on the Site Environmental Report and a BHSO presentation on DOE Labs. In October, there will be a presentation on the pros and cons of commercial nuclear power given by Bill Horak.

The meeting adjourned at 8:10PM

CAC Agenda Setting – May 8, 2014

PRESENTATIONS

- Pros & Cons of Bringing Back Commercial Nuclear Power – 12
- Holographic Principles of Quantum Mechanics – 8
- Biological Research at BNL – 7
- The Gamma Forest (where was it onsite; the kind of research done there) - 7
- Survey of all DOE Labs – 6
- Climate Science & W.H. Report (Steve Schwartz) – 5
- NASA Research – 5
- Waste Minimization at BNL - 5
- Update on Battery Storage – 5
- More History – 4
- Economic Impact of the Lab - 4
- Nanotech Research, Safety, Environment, Ethics – 4
- Fukushima – 4
- Update on LI Solar Farm (production, environment) – 4
- Research / Trends on Wildlife on LI – 3
- Non Proliferation – 3
- Patents & Commercialization – Pros & Cons of Science vs. Commercialization – 3
- Update of Tick-borne Diseases – 3
- Electric Grid (by J. Misewich) – 3
- Update on G-2 – 3
- Invite HS Students to Speak on Their Topics – 3
- Update on State Program for Carbon Footprint Reduction (80x50?) – 2
- Research towards Sustainability – 2
- STEM Research Update (InSynC) – 2
- Computer Facility for LHC/ATLAS / RHIC – 2
- Research by Students at NSLS – Reach Out Program – 1

TOURS

- ISB - 3

P = Present	2014	Affiliation		Jan	Feb No mtg	Mar	Apr	May	June	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec
			First Name	Last Name											
		ABCO (Garber - 04/02) (Bevington 06/14)	Member	Charles	Bevington				P						
		(Madigan -10/10)	Alternate	Michael	Madigan			P	P						
		American Physical Society	Member	Margaret	Malloy	P		P	P	P					
		(Schuhmann 1/14)	Alternate	Reinhart	Schuhmann										
		Brookhaven Retired Employees Association (Peskin - 09/09)	Member	Arnie	Peskin				P	P					
		(Franz - 12/09)	Alternate	Eena-Mai	Franz	P		P	P	P					
		(Shapiro-1/13)	Alternate	Steve	Shapiro										
		Citizens Campaign for the Environment	Member	Adrienne	Esposito	P		P							
			Alternate												
		Colonial Woods Whispering Pines (Birben - 06/09)	Member	Christine	Birben										
		(Rehbein -11/10)	Alternate	Eric	Rehbein	P		P		P	P				
		Coram Civic Association (Ziems - 06/12)	Member	Paul	Ziems	P		P		P	P				
		(Meade – 06/12, Jim M 10/12)	Alternate	Jim	Meade				P						
		East Yaphank Civic Association	Member	Michael	Giacomaro	P		P	P	P	P				
		(Feinman - 02/09)	Alternate	Bob	Feinman			P		P	P				
		Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt										
		Foundation for Economic Education (5/14)	Member	Greg	Bush										
			Alternate	Bruce	Martin			P	P	P	P				
		Friends of Brookhaven (Kaplan - 07/01)	Member	Ed	Kaplan										
		(Schwartz - 11/02)	Alternate	Steve	Schwartz				P	P	P				
		Huntington Breast Cancer Coalition	Member	Mary Joan	Shea	P		P	P	P	P				
			Alternate	Scott	Carlin										
		IBEW/Local 2230 (Krsnak 01/07)	Member	Scott	Krsnak										
			Alternate												
		Individual (changed 3/12)	Member	Karen	Blumer	P				P					
		(added 6/12)	Alternate	Michael	Madigan	P		P							
		Individual – (changed 3/12)	Member	Jane	Corrarino			P		P					
			Alternate												
		Individual – (changed 3/12)	Member	Iqbal	Chaudhry	P			P	P	P				

P = Present	2014	Affiliation		Jan	Feb No mtg	Mar	Apr	May	June	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec
			First Name	Last Name											
			Alternate												
		L.I. Pine Barrens Society	Member	Richard	Amper		P								
		(Murdocco - 04/11, deleted 6/12) (Muller added – 8/12)(Katie Rose Leonard added – 6/13)	Alternate	Katie Rose	Leonard	P				P					
		L.I. Progressive Coalition	Member	David	Sprintzen	P		P	P	P					
			Alternate												
		Lake Panamoka Civic Association (Biss - 04/02)	Member	Rita	Biss	P		P							
		(Grandal - 10/10)	Alternate	Bonita	Grandal	P		P		P					
		Longwood Central School Dist. (Castro -06/09)	Member	Maria	Castro				P						
		(Gerstenlauer removed & Sterne added 5/14)	Alternate	Phyllis	Sterne										
		Mastic Park Civic Association (Sicignano – 6/12)	Member	John	Sicignano	P		P		P					
			Alternate	Clara	McManus										
			Alternate	Joe	May										
		Middle Island Civic Association	Member	Tom	Talbot	P		P	P	P					
			Alternate	Kevin	Crowley										
		Photon Sciences User Committee	Member	Jean	Jordan-Sweet	P			P		P				
		(Ravel -02/11)	Alternate	Bruce	Ravel	P		P							
		Ridge Civic Association	Member	Pat	Henagan	P		P	P	P					
			Alternate												
		Town of Brookhaven (Graves - 06/06)	Member	Anthony	Graves										
			Alternate												
		Town of Brookhaven, Senior Citizens Office	Member	James	Heil	P		P	P	P					
			Alternate												
		Town of Riverhead (Doroski - 04/11)	Member	Isidore	Doroski	P		P		P	P				
		(Hulme - 04/11)(Hulme removed 4/14)	Alternate												
		Wading River Civic Association	Member	Helga	Guthy	P		P	P		P				
			Alternate	Sid	Bail										