

**Community Advisory Council  
November 12, 2015  
Action Items/Notes**

*Final*

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Annual Groundwater Report
5. Agenda Setting
6. Community Comment
7. Agenda Setting Exercise

**1. Attendance**

Members/Alternates Present: See Attached Sheets.

Others Present: S. Bogart, J. Burke, J. Carter, W. Dorsch, L. Garber, T. Green, R. Howe, S. Johnson, M. Israel, D. Manning, M. Maraviglia, R. McKay, D. Paquette, V. Racaniello, A. Rapiejko, R. Turk

**2. Correspondence and Handouts**

Items numbered one through three were mailed to Members with a cover letter dated November 5, 2015. Items numbered four through six were available as handouts at the meeting.

1. Draft agenda for November 12, 2015
2. Draft notes from the October 8, 2015 meeting
3. Copy of response to Action Item.
4. Copies of the Annual Groundwater presentation
5. Copies of Newsday story on the LSST – Capturing the Cosmos
6. Flyer for the 2015 Groundwater Symposium (per K. Blumer)

**3. Administrative Items**

The meeting was called to order at 6:32 PM. Reed Hodgkin, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and the draft agenda and those present introduced themselves. Hodgkin explained that Nora Sundin, CAC liaison, was out ill.

Member Blumer provided information on an upcoming Groundwater Symposium on December 4 at the South Huntington Public Library and invited CAC members to attend. Member Kaplan announced that this was his last meeting as he was moving out-of-state and that Member Schwartz would become the interim primary member for the Friends of Brookhaven. He said that he thought the CAC has been enormously successful and that he will miss the friendships and cookies. On behalf of the CAC, Hodgkin thanked him for his contributions and said he would be missed. Member Blumer noted that Member Heil had recently taken on the position of Commissioner of Environmental Control for the Town of Islip.

## Approval of Minutes

Approval of the October notes was tabled as the monthly mailing was delivered late (most members received the mailing the day of the meeting) and they felt they did not have sufficient time to review them.

## **4. Annual Groundwater Report**

Bill Dorsch, Manager, Groundwater Protection Group, provided the CAC with the annual status report on BNL's groundwater treatment systems. He reviewed the groundwater plumes, the treatment systems, and their performance and progress as reported in the 2014 Groundwater Status Report, which is one section of the Site Environmental Report. Dorsch reported that 10 treatment systems are operating, 5 systems have been approved for shut-down, and 3 systems have been decommissioned. He said that from 1996 to 2014 23 billion gallons of groundwater have been treated and recharged to the aquifer, 7,276 pounds of VOCs and 30 mCi of Strontium-90 have been removed under the cleanup program. He described the groundwater treatment system process and provided additional details on the status of each system and showed the VOC plume remediation progress from 1997 to 2014 with a series of slides depicting the reduction of their size. He highlighted the progress of the remediation of the Freon-11 plume and discussed recent efforts to determine the source of persistent elevated levels of Sr-90 found in monitoring wells at the Former Hazardous Waste Management Facility and at the Chemical Holes. Dorsch also provided an update on the Surveillance and Maintenance of the BGRR and HFBR.

CAC members asked many questions about the process to shut down the wells (*see slide #5 of the groundwater presentation for the process*), the groundwater treatment method used for VOCs (*there are different methods that include filtration through carbon absorption and tower and in-well air stripping for VOCs and ion exchange for Sr-90 treatment*), how often the wells are sampled (*depends on the status of the system, for example, a well in shutdown mode is sampled quarterly*), how the plumes are mapped (*the plumes are mapped annually using the data from the monitoring wells*), if the plumes stop at the airport (*there is a system along the boundary of the airport, in most cases by the time the plumes get down there they have attenuated to drinking water standards, there will be some things that get to the airport just above the DWS and those wells are operating to capture that*), the depth of the plumes near the airport (*200 feet*), is the Tritium completely gone (*the highest levels of Tritiated water – 100,000 gallons – were removed from the aquifer in 2000/2001, so in addition to the half-life reduction, what's left has diluted considerably*), the EDB plume doesn't seem to have changed much (*the EDB plume has migrated off of the BNL site and reached the extraction wells just a few years ago and it is being treated*), how soil samples will be taken at the Chemical Holes (*geoprobos*), when the stack is supposed to come down (*by 2020*), and if there are monitoring wells around the new facilities (*yes*).

## **5. Agenda Setting**

Hodgin said that a Holiday Reception will be held at the beginning of the December meeting and the Agenda will include a presentation from someone from the Central Pine Barrens Commission who will discuss the Community Wildfire Protection Plan being prepared for Ridge, Manorville, and Calverton.

## **6. Community Comment**

Hodgin asked for comments from the community. There were none.

## **7. Agenda Setting Exercise**

CAC members listed potential topics for upcoming agendas and then voted on them according to their preference using the "dot system." During the exercise members also suggested that the

CAC sponsor a public forum on *Nuclear Energy versus Sustainable Energy* and asked that more of the topics they've requested be included on upcoming agendas. See the following page for the results of the exercise.

The meeting adjourned at 8:58 PM.

Next meeting: December 10, 2015.

## **CAC Agenda Setting – November 12, 2015**

### TOPICS

Advances in Renewable Energy Technologies - 10

Holographic Principles of Quantum Mechanics – 7

Gamma Forest & Tour – 7

Medical Research at BNL – 7

Update & Advances on Battery Storage – 6

Discussion of Neutrino Projects at BNL – 6

Global Warming & Sea Level Rise – 6

Update of Fukushima – 6

NASA Research – 6

DOE Funding & Research Priorities & Impact on BNL - 6

Nanotechnology Research at BNL – 5

Capturing the COSMOS LSST – 4

Groundwater Monitoring Around New Facilities – 4

Advances in Solar Energy – residential & commercial – 4

Climate Science & White House Report (Steve Schwartz) – 4

Economic Impact of Lab – 3

Peak Oil (peak of World's ability to produce oil) - 3

Non-proliferation – 2

Progress on Strategic Plan Update (Discovery Park) – 1

Long-Term Vision for BNL – 1

More Lab History – 1

Status, Progress, Production Report on LI Solar Array – 1

NSLS-II Research – 1

				Jan	Feb cancel	Mar	Apr	May	June	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec
P = Present	2015	Affiliation	First Name	Last Name											
		<b>ABCO – Civic</b> (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan	P		P	P	P			P	P	P
		(Madigan -10/10)	Alternate	Michael	Madigan				P	P					
		<b>American Physical Society – Business &amp; Labor</b>	Member	Reinhart	Schuhmann	P		P		P	P		P	P	P
		(Schuhmann 1/14, member 9/15)	Alternate	Donavan	Hall										
		<b>Brookhaven Coalition of Chambers of Commerce – Bus &amp; Labor</b> (added 6/15)	Member	Ron	Trotta					P			P	P	
		<b>Brookhaven Retired Employees Association- BNL</b> (Peskin - 09/09)	Member	Arnie	Peskin	P		P		P	P			P	P
		(Franz - 12/09)	Alternate	Eena-Mai	Franz	P		P	P		P				
		(Shapiro-1/13)	Alternate	Steve	Shapiro								P		
		<b>Citizens Campaign for the Environment – Advocacy &amp; Environ</b>	Member	Adrienne	Esposito	P		P		P	P			P	P
			Alternate												
		<b>Colonial Woods Whispering Pines – Civic</b> (Birben - 06/09) (O'Neal 01/15, removed 10/15)	Member			P		P		P					
		(Rehbein -11/10)	Alternate	Eric	Rehbein				P		P		P		P
		<b>Coram Civic Association</b> (Ziems - 06/12)	Member	Paul	Ziems	P		P	P	P	P		P	P	P
		(Meade – 06/12, Jim M 10/12)	Alternate	Jim	Meade										
		<b>East Yaphank Civic Association</b>	Member	Michael	Giacomaro	P		P	P	P	P		P		P
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack	P		P						P	P
		<b>Emeritus</b> (added 12/14)	Member	Don	Garber	P		P	P	P	P			P	P
		<b>Emeritus</b> (changed 3/8/12)	Member	Jean	Mannhaupt										
		<b>Foundation for Economic Education – Ed, Sci, &amp; Tech</b> (5/14)(Martin – 10/14)	Member	Bruce	Martin			P	P	P	P		P	P	P
		(Edwards – 10/14)	Alternate	Estelle	Edwards										
		(Pratka – 10/14)	Alternate	Craig	Pratka	P				P	P			P	P
		<b>Friends of Brookhaven- BNL</b> (Kaplan - 07/01–11/15)	Member	Steve	Schwartz			P			P		P	P	P
		(Schwartz - 11/02)(Schwartz interim 11/15)	Alternate			P		P		P					P
		<b>Huntington Breast Cancer Coalition – Health-Based Rep</b>	Member	Mary Joan	Shea	P		P		P	P			P	
			Alternate	Scott	Carlin									P	
		<b>Individual</b> (changed 3/12)	Member	Karen	Blumer			P	P	P	P			P	P
		(added 6/12)	Alternate	Michael	Madigan	P		P						P	
		<b>Individual –</b> (changed 3/12)	Member	Jane	Corrarino			P		P					P
			Alternate												
		<b>Individual –</b> (changed 3/12)(moved 10/15)	Member	Iqbal	Chaudhry	P		P		P				P	

				Jan	Feb cancel	Mar	Apr	May	June	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec
P = Present	2015	Affiliation	First Name	Last Name											
		<b>L.I. Pine Barrens Society – Advoc &amp; Env</b>	Member	Richard	Amper			P							
		(Murdocco - 04/11, deleted 6/12) (Muller added – 8/12)(Katie Rose Leonard added – 6/13)(Muether added – 5/15)	Alternate	Katie	Muether		P	P	P	P		P	P	P	
		<b>L.I. Progressive Coalition – Advoc &amp; Env</b>	Member	David	Sprintzen	P		P		P		P	P	P	
			Alternate												
		<b>Lake Panamoka Civic Association (Biss - 04/02)</b>	Member	Rita	Biss	P		P		P		P	P		
		(Grandal - 10/10)	Alternate	Bonita	Grandal	P				P		P	P		
		<b>Longwood Central School Dist. – Ed, Sci, &amp; Tech (Castro -06/09)(adams 9/15)</b>	Member	Tracy	Adams	P		P				P			
		(Gerstenlauer removed & Sterne added 5/14 removed 9/15)	Alternate												
		<b>Mastic Park Civic Association (Sicignano – 6/12)</b>	Member	John	Sicignano	P		P		P	P				
			Alternate	Clara	McManus										
			Alternate	Joe	May							P			
		<b>Middle Island Civic Association</b>	Member	Tom	Talbot	P				P		P	P		
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy	P		P	P	P				P	
		<b>NSLS-II User Committee – BNL</b>	Member	Jean	Jordan-Sweet			P	P	P		P			
		(Ravel -02/11-9/15)(Bohon added 11/15)	Alternate	Jen	Bohon	P								P	
		<b>Ridge Civic Association (Henagan removed 9/15)(Chattaway added 10/15)</b>	Member	Wesley	Chattaway	P		P	P	P			P	P	
		<b>Suffolk County Legislature 1<sup>st</sup> Dist. - Government (added 6/15)</b>	Member	Al	Krupski					P		P	P		
			Alternate	John	Stype										
		<b>Teachers Federal Credit Union – Bus &amp; Labor (Murdocco 3/15)</b>	Member	Richard	Murdocco			P		P	P		P	P	
			Alternate	Suzanne	Gillan ?					P					
		<b>Town of Brookhaven (Graves –06/06)-(removed 1/2015)</b>	Member	Anthony	Graves										
			Alternate												
		<b>Town of Brookhaven, Senior Citizens Office - Government</b>	Member	James	Heil	P		P	P	P		P	P	P	
			Alternate												
		<b>Town of Riverhead - Government (Doroski - 04/11)</b>	Member	Isidore	Doroski	P		P		P	P		P		P
		(Hulme - 04/11 - 4/14)	Alternate												
		<b>Wading River Civic Association</b>	Member	Helga	Guthy	P		P	P	P		P	P		
			Alternate	Sid	Bail										