

**Community Advisory Council  
October 12, 2017  
Action Items/Notes**

*Final*

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Site Environment Report
5. Discovery Park
6. Community Comment

**1. Attendance**

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, L. Bates, N. Blackburn, B. Dorsch, M. Fallier, P. Genzer, D. Gibbs, R. Gordon, R. Howe, D. Manning, G. Mattson, R. McKay, A. Ozelis, D. Paquette, V. Racaniello, A. Rapiejko, J. Remien, N. Sundin

**2. Correspondence and Handouts**

Items numbered one and two were e-mailed to Members on October 5, 2017. Items number three through six were available as handouts at the meeting.

1. Draft agenda for October 12, 2017
2. Draft notes from the September 14 meeting
3. Copy of Presentation: 2016 Site Environmental Report
4. Copy of Presentation: Discovery Park
5. Copy of Discovery park placemat handout
6. PubSci flyers

**3. Administrative Items**

The meeting was called to order at 6:30pm. Michael White, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and draft agenda and those present introduced themselves.

Nora Sundin, liaison to the CAC, responded to the action item from the previous month. She said approximately \$600M has been spent so far on cleanup at BNL. She then invited everyone to attend the next PubSci event, which is being held on 10/24/17 in West Sayville. She said there are flyers available on the table.

Member Keenan said that David Manning was recently mentioned in a local paper. He brought in a copy.

Approval of Minutes

Michael White said the notes incorrectly stated that he was a board member of the LI Regional Planning Association, it should state, the LI Regional Planning Council. The September notes were approved as amended with none opposed.

## Agenda Setting

Nora Sundin said the next meeting will be on November 9. She said Tim Green will present on Natural and Cultural Resources. She is working on the second presentation.

### **4. 2016 Site Environmental Report, Jason Remien – Manager, Environmental Protection Division**

Jason Remien said the annual Site Environmental Report is required by DOE and is BNL's official record of environmental impact for calendar year 2016. This document serves as the principal environmental communications vehicle and is distributed to DOE, DOE Laboratories, regulators, local libraries and interested stakeholders, such as the CAC. It is available as a downloadable file on the BNL webpage and in limited hardcopy. Many of the topics have already been presented to the CAC at prior meetings.

Remien then spoke about the Environmental Management system and the Pollution Prevention Program. He said the Lab's annual recycling rate was 74%, the DOE goal is 50%. He said the Lab has won several awards. He also spoke about waste generation at the Lab and energy management & conservation. Fuel oil usage was up considerably in 2016 due to several large tanks requiring internal inspections. Since we didn't have enough room in other tanks to empty them, it was necessary to burn the oil to empty them for inspection.

Remien said that electricity demand was reduced by 25MW, saving approximately \$1.2M. The Northeast Solar Energy Research Center array has been increased to generate approximately 553,715 kWh of electricity. New electric and steam meters have been installed, as well as energy efficient lighting in parking lots and offices.

Potable water complied with all drinking water requirements

There were 23 spills in 2016. Of that, five were reportable to NYSDEC and all of those have been closed out. There were no DOE reportable spills.

Remien reported on the Water Quality Monitoring. There were three SPDES permit excursions. No VOCs were detected above contract laboratory MDLs. Tritium was less than MDL in all sample locations. No Cs-137, Sr-90, or other gamma-emitting nuclides attributable to Lab operations were detected. He also spoke about external and internal inspections and assessments.

Remien said the three facilities that are monitored for radiological emissions are BLIP, Bldg. 801 Target processing lab and the HFBR. He said radiological air quality is monitored at four on-site locations around the perimeter of the site. Gross alpha and beta concentrations are consistent with natural background and average tritium concentrations are at or less than typical MDLs. He said a continuous emissions monitoring system (CEMS) is required for the Central Steam Facility Boilers 6 & 7. Emissions of SO<sub>2</sub>, NO<sub>x</sub>, TSP, and VOCs were well under permit limits. There were no 6 min. period opacity exceedances.

Remien then spoke about Radiological Dose Assessments. He said TLDs are used to measure ambient external dose. There was no external dose contribution from BNL operations. He said the total effective dose to the Maximally Exposed Off-Site Individual (MEOSI) in 2016 from inhalation/immersion was .62 mrem, from ingestion it was 2.54 mrem and from all pathways, it was 3.16 mrem. These doses are all way below regulatory limits.

Member Shea asked for the radiological dose assessment figures for the last ten years. It would be interesting to see the differences and if there is an overall pattern.

Remien said we can get that for you, but remember there are different variables every year.

**\*ACTION ITEM** –Provide CAC with total effective dose to the Maximally Exposed Off-site Individual (MEOSI) for the last ten years.

Member Jordan Sweet asked about the range for the TLDs that are placed around the site. Were they close to each other?

Remien said, yes, they are relatively close. There are tables in the chapter that list every TLD and the results for every quarter.

Member Jordan Sweet also said that when the potable water results are plotted, it might be interesting to also plot the Lab population.

## **5. Discovery Park, Lanny Bates – Director, Campus Development**

Lanny Bates said the vision for Discovery Park is to be environmentally friendly. We will repurpose existing developed property. He said this public-private concept is fully aligned with regional economic development and has strong regional support. He spoke about the three building entry port called Upton Square and the Science and User Support Center (SUSC). Bates said the Discovery Park Master Plan integrates multiple investment options through a phased development for maximum impact. This project has included an effort to identify and target potential scientific tenants.

Member Schuhmann asked if anyone had spoken to Dick Amper, LI Pine Barrens Assoc., about this project.

Bates said the Lab has Amper's support. We are planning to build sustainable projects.

Member Ziems said there are currently three lanes to park by the trailer at the entrance to the Lab. Will the new building also have convenient parking?

Bates said there will be parking spots near the entrance.

Member Ziems suggested a drive up window.

Bates said that's a good idea, we will make a note of it. We want this to have a world class access system.

## **6. Community Comment**

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

The meeting adjourned at 8:28PM.

Next meeting: November 9, 2017

## CAC Agenda Setting – December 8, 2016

### TOPICS

NASA Research	13
Update on Advances in Battery Storage	11
Advances in Renewable Energy Technologies	10
Global Warming & Sea Level Rise	9
History of Environmental Movement on LI	8
Steve Schwartz-Energy/Climate Presentation	7
Holographic Principles of Quantum Physics	7
BNL/Camp Upton History (Anniversary)	6
NYS Electric Power Grid	6
Alistair Rogers - Terrestrial Ecosystems	6
The LSST & Mapping the Galaxy	6
Gamma Forest Tour	5
Medical Research at BNL	4
Environmental Research at BNL	3
Sea Level Rise & Earthquakes	3
Short term plan for BNL	2
Status & Progress of Solar Farm	2
Lab Research on Solar Energy	2
Discovery Park Update	2
Chem-Trails	2
Laboratory Ten-Year Plan	1

				Jan	Feb	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				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		P			
		<b>Brookhaven Retired Employees Association- BNL</b> (Peskin - 09/09)(Franz 1/17)	Member	Eena-Mai	Franz	P		P	P	P		P	P		
		(Franz - 12/09)(Israel 1/17)	Alternate	Mark	Israel	P	P		P	P		P			
		(Shapiro-1/13)	Alternate	Steve	Shapiro										
		<b>Citizens Campaign for the Environment – Advocacy &amp; Environment</b>	Member	Adrienne	Esposito	P			P	P		P			
		(Somma 11/16)	Alternate	Harry	Somma	P	P	P	P	P		P	P		
		<b>Colonial Woods Whispering Pines – Civic</b> (Birben - 06/09) (O’Neal 01/15, removed 10/15)	Member												
		(Rehbein -11/10)	Alternate	Eric	Rehbein										
		<b>Coram Civic Association</b> (Ziems - 06/12)	Member	Paul	Ziems	P	P	P	P	P		P	P		
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk	P	P	P	P	P		P	P		
		<b>East Yaphank Civic Association</b>	Member	Michael	Giacomaro			P	P	P		P	P		
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack			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		
		(Pratka – 10/14)	Alternate	Craig	Pratka	P	P	P	P			P	P		
		<b>Friends of Brookhaven- BNL</b> (Kaplan 07/01–11/15)(Bowerman 11/15)	Member	Biays	Bowerman		P	P	P	P		P			
		(Schwartz - 11/02) (Ocko added 11/15)	Alternate	Steve	Schwartz			P		P		P			
			Alternate2	Ben	Ocko										
		<b>Huntington Breast Cancer Coalition – Health-Based Rep</b>	Member	Mary Joan	Shea			P		P	P			P	
			Alternate	Scott	Carlin										
		<b>Individual</b>	Member	Jane	Corrarino				P						
		<b>Individual</b>	Member	Karen	Blumer			P				P			
		<b>Individual</b>	Alternate	Michael	Madigan			P					P		
		<b>L.I. Pine Barrens Society – Advoc &amp; Env</b>	Member	Richard	Amper										
		(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		
		<b>L.I. Progressive Coalition – Advoc &amp; Env</b>	Member	David	Sprintzen	P	P	P	P		P		P	P	

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P = Present	2015	Affiliation	First Name	Last Name											
		Alternate													
		Member	Richard	Staddon	P		P						P		
		Alternate	Bonita	Grandal	P		P	P				P	P		
		Member	Tracy	Adams											
		Alternate	Paul	Infranco											
		Member	John	Sicignano	P		P	P	P				P		
		Alternate	Clara	McManus											
		Alternate	Joe	May											
		Member	Martin	Filler		P	P	P	P			P	P		
		Alternate	Margaret	Malloy					P						
		Member	Jean	Jordan-Sweet		P		P	P	P		P	P		
		Alternate	Jen	Bohon	P										
		Member	Wesley	Chattaway	P	P	P		P	P		P	P		
		Member	Al	Krupski				P	P	P		P			
		Alternate	John	Stype	P										
		Member	Richard	Murdocco											
		Alternate	Christine	Stafford	P		P		P			P			
		Member													
		Alternate													
		Member	James	Heil		P	P		P	P		P			
		Alternate													
		Member	Isidore	Doroski	P	P		P		P		P			
		Alternate	Janis	Rottkamp			P						P		
		Member	Terri	Kneitel	P	P	P	P	P	P		P			
		Alternate	Linda	Rundlett									P		