

**Community Advisory Council
January 11, 2018
Action Items/Notes**

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Groundwater Protection Update
5. Computational Science Initiative
6. Community Comment

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: F. Alexander, J. Carter, B. Dorsch, P. Genzer, R. Gordon, R. Howe, R. McKay, A. Ozelis, D. Paquette, V. Racaniello, J. Remien, N. Sundin, R. Tribble

2. Correspondence and Handouts

Items numbered one and two were e-mailed to Members on January 4, 2018. Items numbered three through seven were available as handouts at the meeting.

1. Draft agenda for January 11, 2018
2. Draft notes from the November 9, 2017 meeting
3. Copy of Presentation: Groundwater Protection Update
4. Copy of Presentation: Computational Science Initiative
5. Copy of handout: MEOSI Dose Summary (2006-2016)
6. Copy of handout: How to Prepare your Home to Survive a Wildfire
7. Copy of handout: Central Pine Barrens Wildfire Prevention Accomplishments for 2017

3. Administrative Items

The meeting was called to order at 6:32 pm. Michael White, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and draft agenda and those present introduced themselves.

Approval of Minutes

The November notes were approved as written with none opposed and six abstentions.

Agenda Setting

Nora Sundin said that next month, Juergen Thieme will be giving his presentation on the SRX beamline at NSLSII. Frank Alexander was originally scheduled to present next month, but due to scheduling conflicts, Frank will give his presentation tonight and Juergen next month.

Member Esposito asked for an update on the budget situation.

Bob Tribble said we expect another month of a Continuing Resolution. We are taking it one month at a time.

White said we should schedule an update when we have more information to share.

4. Groundwater Protection Update, Bill Dorsch – Manager, Groundwater Protection Group

Bill Dorsch said since the September CAC update, the Lab has installed four temporary vertical profile wells on Carleton Dr. He said VOCs are present in two zones within the deep Upper Glacial Aquifer. DCE/TCA are the primary contaminants in the shallower zone and Freon-12 is the primary contaminant in the deeper zone. The groundwater flow rate in the shallower area is ~440 feet/yr, and in the deeper zone is ~90 feet/yr. He spoke about natural attenuation and explained that in order to meet the ROD cleanup goal, drinking water standards must be met by 2030; natural attenuation will not achieve that goal. In order to meet the goal, three new extraction wells are required for the DCE/TCA contamination and two are required for the Fr-12 contamination

Dorsch said testing done by SCDHS in 2017 detected PFCs in three of BNL's potable water supply wells, so an investigation was requested. In 2018 temporary wells will be installed to determine distribution of PFCs in supply well source areas. Current sampling protocol needs to be revised to prevent possible cross contamination of samples.

He said in January 2017, BNL sampled 22 monitoring wells for 1,4-Dioxane in response to a request from NYSDEC/NYSDOH. 1,4-Dioxane was detected in 17 of those wells below current NYS standard of 50 µg/L. In early December 2017, samples were collected from 7 additional monitoring wells. That data will be available in late January.

EDB concentrations in well 000-394 increased to 1.06 µg/L after the September CAC meeting. Drinking water standard is 0.05 µg/L, so the Lab is planning to install three temporary vertical profile wells to better characterize the extent of EDB in this area.

Member Esposito asked about the danger of people living South of the Lab still using their private wells to water vegetable gardens even though they have all been hooked up to Suffolk County water.

Dorsch said private wells do not typically go as deep as the contamination. This contamination is about 50-60 feet below the water table.

Member Esposito asked how deep the vertical profile wells are.

Doug Paquette said about 120-150 feet deep.

Member Jordan Sweet asked what the health effects of 1,4 Dioxane are.

Dorsch said that information is on the EPA's website. We can get you more information.

***ACTION ITEM: Provide more information on the health effects of 1,4 Dioxane.**

5. Computational Science Initiative, Frank Alexander – Deputy Director, Computational Science Initiative

Frank Alexander said that BNL is a Data Driven Science Laboratory. He said the Lab provides and supports data-rich large scale experimental facilities. He said in 2017 over 100PB (petabytes) of catalogued data was archived for long term and frequent reuse, and is the 2nd largest scientific archive in the US.

The Computational Science Initiative at BNL was established in 2015 and is an umbrella to bring together computing and data expertise across the Lab. CSI is planning to grow the Lab's National Security Computing Profile and is enabling scientific discovery.

One new project in precision medicine is a DOE/VA pilot project, which will improve healthcare for our veterans.

Member Bowerman asked how much of the data is on a hard-drive. Years ago records were kept on paper only.

Alexander said information from 24 million veterans is already on the computer system. Some information has been transcribed from notes so it is not all clear.

6. Community Comment

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

The meeting adjourned at 8:34 PM.

Next meeting: February 8, 2018

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	Affiliation	Member	First Name	Last Name											
	ABCO – Civic (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan											
	(Madigan -10/10)	Alternate	Michael	Madigan	P										
	American Physical Society – Business & Labor	Member	Reinhart	Schuhmann											
	(Schuhmann 1/14, member 9/15)	Alternate	Donavan	Hall	P										
	Brookhaven Coalition of Chambers of Commerce – Bus & Labor (added 6/15)	Member	Ron	Trotta											
	Brookhaven Retired Employees Association- BNL (Peskin - 09/09)(Franz 1/17)	Member	Eena-Mai	Franz	P										
	(Franz - 12/09)(Israel 1/17)	Alternate	Mark	Israel	P										
	(Shapiro-1/13)	Alternate	Steve	Shapiro											
	Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito	P										
	(Somma 11/16)	Alternate	Harry	Somma											
	Colonial Woods Whispering Pines – Civic (Birben - 06/09) (O’Neal 01/15, removed 10/15)	Member													
	(Rehbein -11/10)	Alternate	Eric	Rehbein											
	Coram Civic Association (Ziems - 06/12)	Member	Paul	Ziems	P										
	(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk											
	East Yaphank Civic Association	Member	Michael	Giacomaro	P										
	(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack											
	Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt											
	Foundation for Economic Education – Ed, Sci, & Tech (5/14)(Martin – 10/14)	Member	Bruce	Martin											
	(Pratka – 10/14)	Alternate	Craig	Pratka	P										
	Friends of Brookhaven- BNL (Kaplan 07/01–11/15)(Bowerman 11/15)	Member	Biays	Bowerman	P										
	(Schwartz - 11/02) (Ocko added 11/15)	Alternate	Steve	Schwartz											
		Alternate2	Ben	Ocko											
	Huntington Breast Cancer Coalition – Health-Based Rep	Member	Mary Joan	Shea											
		Alternate	Scott	Carlin											
	Individual	Member	Jane	Corrarino											
	Individual	Member	Karen	Blumer											
	Individual	Alternate	Michael	Madigan											
	L.I. Pine Barrens Society – Advoc & Env	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										
	L.I. Progressive Coalition – Advoc & Env	Member	David	Sprintzen	P										

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P = Present	Affiliation	First Name	Last Name												
	Alternate														
	Lake Panamoka Civic Association (Biss - 04/02)(Staddon 10/17)	Member	Richard	Staddon											
	(Grandal - 10/10)	Alternate	Bonita	Grandal											
	Longwood Central School Dist. – Ed, Sci, & Tech (Castro -06/09)(Adams 9/15)	Member	Tracy	Adams											
	(Gerstenlauer removed & Sterne added 5/14 removed 9/15)(Infranco1/17)	Alternate	Paul	Infranco											
	Mastic Park Civic Association (Sicignano – 6/12)	Member	John	Sicignano											
	Alternate	Clara	McManus												
	Alternate	Joe	May												
	Middle Island Civic Association (Filler 2/17)	Member	Martin	Filler	P										
	(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy											
	NLSL-II User Committee – BNL	Member	Jean	Jordan-Sweet	P										
	(Ravel -02/11-9/15)(Bohon added 11/15)	Alternate	Jen	Bohon											
	Ridge Civic Association (Henagan removed 9/15)(Chattaway added 10/15)	Member	Wesley	Chattaway	P										
	Suffolk County Legislature 1st Dist. - Government (added 6/15)	Member	Al	Krupski											
	Alternate	John	Stype	P											
	Teachers Federal Credit Union – Bus & Labor (Murdocco 3/15)	Member	Richard	Murdocco											
	Alternate	Christine	Stafford	P											
	Town of Brookhaven (Graves – 06/06)-(removed 1/2015)	Member													
	Alternate														
	Town of Brookhaven, Senior Citizens Office - Government	Member	James	Heil	P										
	Alternate														
	Town of Riverhead - Government (Doroski - 04/11)	Member	Isidore	Doroski	P										
	(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp											
	Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)	Member	Terri	Kneitel	P										
	(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett											