

**Community Advisory Council
June 13, 2019
Action Items/Notes**

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Video Presentations
5. Discovery Park Update
6. Groundwater Update
7. Agenda Setting
8. PFAS Update
9. Community Comment

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, J. Carter, B. Dorsch, M. Fallier, J. Gettler, D. Gibbs, J. Granzen, T. Green, S. Hartzell, R. Hodgkin, R. Howe, A. Juchatz, D. Manning, R. McKay, A. Ozelis, V. Racaniello, A. Rapiejko, J. Remien, L. Singh, N. Sundin, R. Tribble, T. Ziems

2. Correspondence and Handouts

Items numbered one and two were e-mailed to Members on June 6, 2019. Items numbered three through seven were available as handouts at the meeting.

1. Draft agenda for June 13, 2019 meeting
2. Draft notes from the May 9, 2019 meeting
3. Copy of presentation: Discovery Park Update
4. Copy of presentation: Groundwater Update
5. Copy of presentation: PFAS Update
6. Summer Sundays flyers
7. 2019 Water Quality Report

3. Administrative Items

The meeting was called to order at 6:30 p.m. Reed Hodgkin, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and draft agenda and those present introduced themselves.

Henry Perez, new CAC member representing Wading River Civic Association, greeted the CAC and introduced himself.

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

4. Video Presentations – David Manning, Director – Stakeholder Relations Office

David Manning showed the CAC the video of Secretary Rick Perry visiting all 17 DOE National labs and the recently produced updated Brookhaven Lab overview video.

Member Blumer commented that the overview video was overwhelmingly impressive. She said we have all these tools but are trashing the Earth. Is there any department here that is looking at this problem on a policy level?

Director Gibbs said yes, research is done in energy, including climate change. National Labs are not directly involved in policy making but we have strong programs in energy. We have a whole division focused on climate change. They would love to come talk to you if you would like.

Manning said we are partnering with Stony Brook University to create an offshore wind project.

Member Heil said this was an excellent production.

5. Discovery Park Update – Marty Fallier, Director – Campus Development Office

Marty Fallier said Discovery Park is a transformational project for BNL that will address multiple needs. We will be repurposing existing developed property.

The master plan envisions a Federally funded anchor facility for visitors and about 250 support staff, including conference and collaboration space; a privately funded education center that will include teaching and event space, with a potential for food and other amenities; a privately funded housing area for Users needing short-term on-site residence; a privately funded area for technology partners; and a day care center.

Fallier then showed a fly-over video of the Discovery Park concept.

Member Martin asked what the capacity will be of the User housing facility.

Fallier said approximately 120, but it depends on the developer's concept of how to meet our needs.

Member Sprintzen said it appears that the funding is not yet available for the vast majority of this endeavor.

Fallier said the basic infrastructure will be funded through the Lab's overhead, but most of it will be private funding. The housing portion will be privately funded, owned, and operated. Details will be incorporated in the ground lease.

Member Ziems asked if it is possible for major companies to have small pieces of the campus.

Fallier said there is potential for that. There are different approaches.

Member Ziems asked where the railroad spur will be.

Fallier said the railroad spur is used very infrequently. There is a study under way by MTA to relocate the Yaphank rail station.

Member Perez asked if the utilities will be independently supplied.

Fallier said the Federal building will get its utilities from Brookhaven Lab. The commercially funded buildings will get their utilities from commercial buyers, which are on the west side of

Wm Floyd pkwy right now. Our plan is to have them run under the parkway and then into the Discovery Park site. All of the buildings would use our waste treatment plant.

Member Perez asked if there are guidelines for energy efficient buildings.

Fallier said for the Federal building, DOE does not require LEED certification, but has guiding principles that model LEED Gold. The other buildings will be on a case-by-case basis. All will be NYS compliant.

Member Perez asked if any improvements are planned for on-and off-site transportation.

Fallier said for Discovery Park the Lab is looking to expand the onsite shuttle and we will hopefully integrate that with other off-site public transportation.

6. Groundwater Update – Vinnie Racaniello, Groundwater Protection Group

Vinnie Racaniello gave the CAC an update on the Western South Boundary Groundwater Treatment System modification and the North Street East Ethylene Dibromide (EDB) cleanup.

Member Sicignano asked how much water is extracted in the well pumps in your model. Will they run 24/7?

Racaniello said the model is set to pump 75 gallons per minute. So, for two pumps, it would be 150 gallons/min. Yes, typically they run 24/7.

Member Blumer asked what the quantity of water pumped is and where does the water go after treatment.

Racaniello said I would have to calculate that for the year for you. The clean water goes back into the ground.

*After consulting with several others, Hodgin reported that the total number of gallons extracted is 315 million gallons.

Member Schuhmann asked if EDB underground naturally attenuates or dilutes.

Racaniello said EDB dilutes out, but does not break down.

Member Schuhmann asked if the amount of water taken out is enough to reverse underground flow.

Racaniello said the amount is not enough to affect the underground flow. The water is captured in the vicinity of the well so it will pull back somewhat.

Member Blumer asked what the ramifications are if the model is not met.

Racaniello said the model is a good tool and fairly accurate, but if we don't see progress, we will make adjustments.

Member Keenan asked if monitoring wells be put ahead of the plume.

Racaniello said, yes that will confirm that the wells are working.

7. Agenda Setting

David Manning said the Lab is interested in maintaining full and robust CAC meetings. We would like to propose changing from ten meetings per year to six scheduled meetings per year that will be planned in advance. We could then have additional meetings as needed if issues arise. We would like you to consider it and we can discuss it further in September.

Member Sprintzen asked if there are specific dates set for the six meetings.

Manning said you will know in advance the set dates and topics of discussion.

Hodgin said if you have additional questions/comments, please send them in to the Lab.

Nora Sundin, liaison to the CAC, said in September we will have a presentation on the Site Environmental Report, quantum informational science initiative, and an agenda-setting exercise.

8. PFAS Update - Doug Paquette, Groundwater Protection Group

Doug Paquette said PFAS is an emerging contaminant of concern internationally that persists in soils and groundwater for long periods of time. BNL first tested for PFAS in 2017 and it was detected in three of BNL's five active water supply wells. Based on the review of available records, it was determined that the source was firefighter foam, and we were able to identify eight locations where foam was stored or released. Approximately 500 samples have been collected and PFAS was detected in groundwater in all eight known foam-use areas. BNL and Suffolk County established a "Technical Services Agreement" to sample private supply wells that may be present on 97 properties south of the Lab. Suffolk County started sampling private supply wells on May 6. As of the date of the meeting, 46 properties had been sampled.

BNL currently has about 100 gallons of Class B foam concentrate that was manufactured in 2010, which was made with a newer formulation using currently approved PFAS and will only be used in case of an emergency. There has been no on-site training at BNL with Class B foam since 2008. BNL will switch to PFAS-free Class B foam, which does not have long-term impacts to soil and groundwater. The current inventory of PFAS containing foam will be properly disposed of at an authorized off-site treatment, storage and disposal facility.

BNL has taken important first steps in understanding the extent of PFAS contamination and will continue to work on this issue. Once drinking water standards have been established, any required remedial responses will be conducted.

Member Martin asked if firefighter training will be different for the new firefighter foam.

Paquette said no, the training will be the same.

Member Filler asked what happens if homeowners do not respond to the request to have their wells tested.

Andy Rapiejko, SCDOH, said it is not uncommon for people to refuse or not respond. We follow up by knocking on doors and will go back for a 2nd time, but we can't force them to test their wells.

Member Filler asked how long the agreement will be left open for homeowners to have the testing done.

Jack Anderson, Deputy Director for Operations, said the agreement the Lab has with the County goes until December.

Member Jordan Sweet asked what the new firefighter foam is made out of.

Paquette said he does not know. It is biodegradable. We only intend to use it for emergencies.

Hodgin said perhaps in September we can bring back more information.

***ACTION ITEM – Report back to the CAC on what the new firefighter foam is made out of.**

Member Madigan asked if there is a plan B for when the drinking water standard changes.

Paquette said we will have to do more. There are different standards from state to state.

Member Madigan asked if any has been found in the offsite wells.

Paquette said yes, one so far.

Member Madigan asked if there is a difference in the volume that was used in the old firehouse vs. the new one.

Paquette said we don't know.

Member Heil asked if any monitoring has been done upgradient to see what is entering the site.

Paquette said not yet. There are properties north of the Lab that could be contributing.

Member Martin said this foam was used all over, not just at Brookhaven. What is being done in the rest of the county? BNL is ahead of the curve on this.

Paquette said the County is trying to get the word out.

Member Schuhmann asked if there will be a sunseting of funding for cleanup?

Gibbs said there is a lot of interest on Capitol Hill. We are continuing to work with them closely

Member Keenan said he appreciates the Lab's efforts.

Hodgin asked if the CAC would be interested in an update in September.

9. Community Comment

There was no community comment.

The meeting adjourned at 8:57PM

Next meeting: September 12, 2019

				Jan	Feb	Mar No mtg.	Apr	May	June	July No mtg.	Aug No mtg.	Sep	Oct	Nov	Dec
P = Present	2018	Affiliation	First Name	Last Name											
		ABCO – Civic (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan	P	P		P	P					
		(Madigan -10/10)	Alternate	Michael	Madigan										
		American Physical Society – Business & Labor	Member	Reinhart	Schuhmann		P		P	P					
		(Schuhmann 1/14, member 9/15)	Alternate	Donavan	Hall	P									
		Brookhaven Coalition of Chambers of Commerce – Bus & Labor (added 6/15)	Member	Ron	Trotta	P		P		P					
		Brookhaven Retired Employees Association- BNL (Peskin - 09/09)(Franz 1/17)	Member	Eena-Mai	Franz	P	P		P	P					
		(Franz - 12/09)(Israel 1/17)	Alternate	Mark	Israel	P		P	P						
		(Shapiro-1/13)	Alternate	Steve	Shapiro										
		Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito	P	P		P	P					
		(Somma 11/16)	Alternate												
		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	P		P	P	P				
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk	P	P		P	P					
		East Yaphank Civic Association (Feinman 06/19)	Member	Robert	Feinman		P		P						
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack				P	P					
		(Feinman 05/19)(Giacomaro 06/19)	Alternate	Michael	Giacomaro										
		Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt										
		Foundation for Economic Education – Ed, Sci, & Tech (5/14)(Martin – 10/14)	Member	Bruce	Martin				P	P					
		(Pratka – 10/14)	Alternate	Craig	Pratka	P	P		P						
		Friends of Brookhaven- BNL (Kaplan 07/01–11/15)(Bowerman 11/15)	Member	Biays	Bowerman	P	P			P					
		(Schwartz - 11/02) (Ocko added 11/15)	Alternate	Steve	Schwartz				P						
			Alternate2	Ben	Ocko										
		Huntington Breast Cancer Coalition – Health-Based Rep	Member	Mary Joan	Shea										
			Alternate	Scott	Carlin										
		Individual	Member	Jane	Corrarino	P									
		Individual	Member	Karen	Blumer					P					
		Individual	Alternate	Michael	Madigan		P		P	P					
		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) (Wolf added-1/19)	Alternate	Ryan	Wolf	P	P		P	P					

				Jan	Feb	Mar No mtg.	Apr	May	June	July No mtg.	Aug No mtg.	Sep	Oct	Nov	Dec
P = Present	2018	Affiliation	Member	First Name	Last Name										
		L.I. Progressive Coalition – Advoc & Env	Member	David	Spritzen	P	P		P						
			Alternate												
		Lake Panamoka Civic Association (Biss - 04/02)(Staddon 10/17)	Member	Richard	Staddon	P	P		P						
		(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	P			P	P					
			Alternate	Clara	McManus				P						
			Alternate	Joe	May										
		Middle Island Civic Association (Filler 2/17)	Member	Martin	Filler	P	P		P	P					
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy										
		NSLS-II User Committee – BNL	Member	Jean	Jordan-Sweet	P	P		P	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			P	P	P				
		Suffolk County Legislature 1st Dist. - Government (added 6/15)	Member	Al	Krupski				P	P					
			Alternate	John	Stype		P								
		Teachers Federal Credit Union – Bus & Labor (Murdocco 3/15) (Stafford 1/18)	Member	Christine	Stafford	P				P					
			Alternate												
		Town of Brookhaven (Graves – 06/06) (removed 1/2015)	Member												
			Alternate												
		Town of Brookhaven, Senior Citizens Office - Government	Member	James	Heil	P				P					
			Alternate												
		Town of Riverhead - Government (Doroski - 04/11)	Member	Isidore	Doroski		P		P	P					
		(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp										
		Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)(Perez 06/19)	Member	Henry	Perez					P					
		(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett				P	P	P				