

**Community Advisory Council  
June 11, 2020  
Action Items/Notes**

*Final*

*Note: This meeting was held virtually. A video recording of the BlueJeans event is available.*

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Environmental Updates
5. CERCLA Site-Wide Five-Year Review/North Street East EDB Treatment System Update
6. CERCLA Five Year Review Questions and Answers
7. Update on Emerging Contaminants of Concern, Per-and Polyfluoroalkyl Substance and 1,4 Dioxane
8. CSI Support for the DOE COVID-19 Response
9. Agenda Setting
10. Community Comment

### **1. Attendance**

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, P. Armani, D. Caltieri, J. Carter, S. Coleman, M. Dikeakos, B. Dorsch, P. Genzer, J. Gettler, D. Gibbs, J. Granzen, T. Green, S. Hartzel, R. Hodgins, B. Howe, B. Jankauskas, A. Juchatz, K. Kleese van Dam, G. Lopez, D. Manning, R. McKay, T. Montuori, D. Paquette, V. Racaniello, A. Rapiejko, R. Reeder, J. Remien, N. Sundin, R. Tribble, K. White,

### **2. Correspondence and Handouts**

Items numbered one through five were e-mailed to Members on June 10, 2020.

1. Draft agenda for June 11, 2020 meeting
2. Draft notes from the May 14, 2020 meeting
3. Copy of presentation: Update on Emerging Contaminants of Concern, Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane
4. Copy of presentation: CERCLA Site-Wide Five-Year Review/North Street East EDB Treatment System Update
5. Copy of presentation: CSI Support for the DOE COVID-19 Response

### **3. Administrative Items**

The meeting was called to order at 6:32 p.m. Reed Hodgins, facilitator, welcomed everyone to the BlueJeans virtual meeting. He reviewed the ground rules and draft agenda.

Doon Gibbs, Laboratory Director, welcomed everyone and expressed his best wishes for their continued safety and health.

Dennis Caltieri and Gabe Lopez, BNL ITD, gave participants a brief refresher on the BlueJeans application and assisted with technical issues.

The May 2020 draft notes were reviewed and approved with none opposed and one abstention.

#### **4. Environmental Updates - Jason Remien, Manager – Environmental Protection Division**

Member Schuhmann asked if the Building 650 cleanup is strictly radiological or if there are other contaminants.

Remien said there is a mix of other contaminants. Characterization has been done over the years and we continue to sample. We will make sure it is all addressed.

#### **5. CERCLA Site-Wide Five-Year Review/North Street East EDB Treatment System Update – Bill Dorsch, Groundwater Protection Group**

Member Esposito said she thought that the source of Sr-90 was remediated and the ROD was about filtering what was left. You said there is still flushing of Sr-90 from a source. Can you clarify?

Dorsch said the former reactor at the BGRR sits on contaminated soil. The water table is about 50 feet below ground surface. Soil from the bottom of the building to the water table is being cleaned up. When the water table rises, it flushes out Sr-90. We knew at the time there would be residual contamination. We have extraction wells downgradient and we turn them on and off as concentrations go up or down. We will continue to monitor as long as necessary.

Member Blumer asked if the Five-Year Review process is open to public comment or if the CAC is representing the public.

Dorsch said a public notice was put in Newsday in January or February. There will be a public announcement when the report is done.

Member Ziems asked how thick the concrete cap is.

Dorsch said the blacktop cap is the width of the entire building and goes out to about 100'. The building is the cap, so rain cannot penetrate. The problem is when the water table rises and flushes out the contaminants.

#### **6. CERCLA Five-Year Review Questions and Answers - Reed Hodgin, CAC Facilitator**

How would you rate BNL's cleanup overall?

Excellent 53% (8)

Good 40% (6)

OK 0% (0)

Not Good 0% (0)

Poor 0% (0)

No opinion 6% (1)

TOTAL VOTES 15

How well informed do you feel about BNL's cleanup activities and progress.

Very well informed 57% (8)

Well informed 35% (5)

Not well informed 7% (1)

Poorly informed 0% (0)  
No opinion 0% (0)  
TOTAL VOTES 14

How confident do you feel in BNL's and DOE's management of the long-term cleanup operations for the site?

Very confident 53% (8)  
Confident 40% (6)  
Somewhat confident 0% (0)  
Very unconfident 0% (0)  
No opinion 6% (1)  
TOTAL VOTES 15

How important is it that the Five Year Review address:

RECORDS OF DECISION

Very Important 81% (13)  
Somewhat Important 6% (1)  
Not very important 0% (0)  
Not necessary 0% (0)  
No opinion 12% (2)  
TOTAL VOTES 16

How important is it that the Five Year Review address:

CLEANUP GOALS, INCLUDING MODIFICATIONS AND PROGRESS

Very Important 88% (15)  
Somewhat Important 5% (1)  
Not very important 0% (0)  
Not necessary 0% (0)  
No opinion 5% (1)  
TOTAL VOTES 17

How important is it that the Five Year Review address:

SUMMARIES / BRIEFINGS ON PAST EFFORTS

Very Important 81% (13)  
Somewhat Important 12% (2)  
Not very important 6% (1)  
Not necessary 0% (0)  
No opinion 0% (0)  
TOTAL VOTES 16

How important is it that the Five Year Review address:

REMAINING RADIONUCLIDES LEFT IN SOILS

Very Important 93% (14)  
Somewhat Important 6% (1)  
Not very important 0% (0)  
Not necessary 0% (0)  
No opinion 0% (0)  
TOTAL VOTES 15

How important is it that the Five Year Review address:

SPECIFIC CONTAMINANTS, INCLUDING NEW AND EMERGING CONTAMINANTS (e.g., PFAS)

Very Important 100% (15)  
Somewhat Important 0% (0)  
Not very important 0% (0)

Not necessary 0% (0)  
No opinion 0% (0)  
TOTAL VOTES 15

How important is it that the Five Year Review address:

IMPACTS ON HEALTH

Very Important 100% (15)  
Somewhat Important 0% (0)  
Not very important 0% (0)  
Not necessary 0% (0)  
No opinion 0% (0)  
TOTAL VOTES 15

How important is it that the Five Year Review address:

COMMUNITY INPUT

Very Important 93% (15)  
Somewhat Important 6% (1)  
Not very important 0% (0)  
Not necessary 0% (0)  
No opinion 0% (0)  
TOTAL VOTES 16

Are there other specific aspects of the cleanup that you feel should be of particular focus during the review?

Yes, and I will provide my thoughts back to Robyn 0% (0)  
No, this list covers the main priorities 86% (13)  
No opinion 13% (2)  
TOTAL VOTES 15

Member Blumer asked for a five-year overlap map to see the progress over the last five years. She also asked for a list of BNL acronyms and what they stand for.

#### **\*ACTON ITEMS**

**Send an overlay map to CAC showing progress over last five years.  
Provide a list of BNL acronyms and their meanings to CAC Members.**

Member Jordan Sweet asked if a link to this could be provided for the general public and posted on various outside organizations websites.

Member Ziems asked if the Five-Year review is sent to County, State, and Federal officials.

Hodgin said yes, it is.

Member Israel asked if the polling Q & As will be included in the minutes.

Hodgin said yes, it will be included.

#### **7. Update on Emerging Contaminants of Concern, Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane – Doug Paquette, Groundwater Protection Group**

Member Keenan said, three of the offsite locations that had PFAS were located near known sources. Your presentation showed that two of those are the industrial park and the airport areas. Are there other offsite sources?

Paquette said the data for the industrial park and airport areas you are referring to was for 1,4-Dioxane. As for offsite sources of PFAS, these chemicals were recently detected near several off-site firehouses and the Brookhaven airport when NYS installed some shallow temporary monitoring wells. Jason Remien discussed the results of the NYS investigation with the CAC several months ago. PFAS were also detected in several private wells that are near these sites. Private wells are usually less than 100 feet deep, and any contamination from the Lab that may be in these off-site areas (such as 1,4-Dioxane) is generally much deeper than that.

Member Esposito said the treatment for 1,4 Dioxane has been a rigorous topic of discussion regarding when new standards will be implemented and the difficulty in obtaining the remediation technology. Does BNL have concerns?

Paquette said we will work with the DOE and regulatory agencies on decisions to treat for 1,4-Dioxane. The cost is very high for installing and managing 1,4-Dioxane treatment systems. (Paquette post-meeting note: There are also concerns among water suppliers about the availability of engineering services needed to design the systems; time needed to obtain, install and test the treatment systems; and the time needed to obtain regulatory agency approvals.)

Member Esposito asked if there a plan to get in the queue to obtain the technology.

Paquette said yes, but we're very early in the decision process. And, at this point we don't know how Covid-19 will impact the availability of equipment. Some manufacturing sectors have been impacted. We are planning to have discussions with the regulatory agencies on how to move forward once the characterization work is complete and standards have been promulgated.

## **8. CSI Support for the DOE COVID-19 Response – Kirsten Kleese van Dam, Computational Science Initiative**

Member Blumer said, you mentioned that you pass information off to colleagues. How does that tie in with things that are patentable? Also, is your program applied for epidemiology only, or is it used for other things?

Kleese van Dam said we pass information on to a variety of people. Some to collaborators here at BNL, some to Universities, other labs, and some to private entities. We are not held to seek patents. It is more important to find a viable drug than to make money at this point. The patent process takes a long time. Our methods have been developed for different things. A lot of our work is for cancer and analyzing data for climate, all kinds of different things.

Member Jordan Sweet asked if you coordinate with others outside the DOE complex.

Kleese van Dam said we have discussions with others. For COVID we are using everything within our reach. We are also collaborating with other departments here at BNL.

## **9. Agenda Setting**

David Manning said the next CAC meeting will be on September 10, 2020. Tim Green will give us an update on the Environmental Assessment for the EIC, we will have more environmental updates, and possibly an update on the Stack demolition. If you have any requests or suggestions, please send them to me.

Member Israel asked if an update on EIC could be on a future agenda.

Manning said we can certainly get that for you. We have a new project leader and it would be a good opportunity for the group to meet Jim Yeck.

## **10. Community Comment**

There was no community comment.

The meeting adjourned at 8:46 PM

Next meeting: September 10, 2020

<b>P = Present</b>	<b>2020</b>	<b>Affiliation</b>		<b>First Name</b>	<b>Last Name</b>	<b>Jan No mtg</b>	<b>Feb</b>	<b>Mar No mtg</b>	<b>Apr No mtg</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
		<b>ABCO – Civic</b> (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan		P			P	P						
		(Madigan -10/10)	Alternate	Michael	Madigan					P							
		<b>American Physical Society – Business &amp; Labor</b>	Member	Reinhardt	Schuhmann		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						
		<b>Brookhaven Retired Employees Association-</b> BNL (Peskin - 09/09)(Franz 1/17)	Member	Mark	Israel					P	P						
		(Franz - 12/09)(Israel 1/17)	Alternate	Eena-Mai	Franz		P										
		(Shapiro-1/13)	Alternate	Steve	Shapiro												
		<b>Citizens Campaign for the Environment – Advocacy &amp; Environment</b>	Member	Adrienne	Esposito		P				P						
		(Somma 11/16)	Alternate														
		<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						
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk		P			P	P						
		<b>East Yaphank Civic Association</b> (Feinman 06/19)	Member	Robert	Feinman												
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack					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							
		(Pratka – 10/14)	Alternate	Craig	Pratka						P						
		<b>Friends of Brookhaven-</b> 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			P	P						
			Alternate2	Ben	Ocko												
		<b>Huntington Breast Cancer Coalition – Health-Based Rep</b>	Member	Mary Joan	Shea					P	P						
			Alternate	Scott	Carlin												
		<b>Individual</b>	Member	Jane	Corrarino					P	P						
		<b>Individual</b>	Member	Karen	Blumer					P	P						
		<b>Individual</b>	Alternate	Michael	Madigan		P			P	P						
		<b>Individual</b>	Member	David	Sprintzen		P			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) (Wolf added-1/19)(Moran added 2/20)	Alternate	Claire	Moran		P			P	P						

<b>P = Present</b>	<b>2020</b>	<b>Affiliation</b>		<b>First Name</b>	<b>Last Name</b>	<b>Jan No mtg</b>	<b>Feb</b>	<b>Mar No mtg</b>	<b>Apr No mtg</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
		<b>Lake Panamoka Civic Association</b> (Biss - 04/02)(Staddon 10/17)	Member	Richard	Staddon												
		(Grandal - 10/10)	Alternate	Bonita	Grandal												
		<b>Longwood Central School Dist. – Ed, Sci, &amp; Tech</b> (Castro -06/09)(Adams 9/15)	Member	Tracy	Adams												
		(Gerstenlauer removed & Sterne added 5/14 removed 9/15)(Infranco1/17)	Alternate	Paul	Infranco												
		<b>Mastic Park Civic Association</b> (Sicignano – 6/12)	Member	John	Sicignano		P										
			Alternate	Clara	McManus												
			Alternate	Joe	May												
		<b>Middle Island Civic Association</b> (Filler 2/17)	Member	Martin	Filler		P			P	P						
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy												
		<b>NSLS-II User Committee – BNL</b>	Member	Jean	Jordan-Sweet		P			P	P						
		(Ravel -02/11-9/15)(Bohon added 11/15)(Bohon removed)	Alternate														
		<b>Ridge Civic Association</b> (Henagan removed 9/15)(Chattaway added 10/15)(Casanova added 11/19)	Member	Ken	Casanova		P			P	P						
		<b>Suffolk County Legislature 1<sup>st</sup> Dist. - Government</b> (added 6/15)	Member	Al	Krupski		P			P	P						
			Alternate	John	Stype												
		<b>Teachers Federal Credit Union – Bus &amp; Labor</b> (Murdocco 3/15) (Stafford 1/18)	Member	Michelina	Cahill												
		<b>(Cahill 5/20)</b>	Alternate														
		<b>Town of Brookhaven, Senior Citizens Office - Government</b>	Member	James	Heil		P										
			Alternate														
		<b>Town of Riverhead - Government</b> (Doroski - 04/11)	Member	Isidore	Doroski		P			P	P						
		(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp												
		<b>Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)(Perez 06/19)</b>	Member	Henry	Perez		P										
		(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett												