

**Community Advisory Council
March 9, 2017
Action Items/Notes**

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Deer Management update
5. 1,4 Dioxane sampling
6. Community Comment

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, S. Bogart, J. Burke, J. Carter, F. Castelli, K. Dorsinvil, P. Genzer, R. Gordon, T. Green, R. Howe, M. Maraviglia, G. Mattson, R. McKay, A. Ozelis, D. Paquette, A. Peskin, V. Racaniello, J. Remien, N. Sundin, A. Troutman

2. Correspondence and Handouts

Items numbered one and two were e-mailed to Members on March 2, 2017.

1. Draft agenda for March 9, 2017
2. Draft notes from the February 13 meeting

3. Administrative Items

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

Jack Anderson explained that Dr. Gibbs is not at the meeting this evening because he is in Washington DC meeting with the new Secretary of Energy.

Hodgkin said that the speaker scheduled to give a presentation on wildfire protection is unavailable, so that has been postponed again to next month. He said that next month, the CAC will also take a look at those organizations with upcoming membership expiration dates. He said the Coram Civic association and Mastic Park Civic association are up for renewal in June of this year so we will be discussing those two organizations.

Approval of Minutes

Member Keenan asked that his following comments be inserted on page 3.

Member Keenan asked what the total capacity of the system is.

Remien said 1000 gallons.

Member Keenan said 375 gallons out of 1000 gallons seems too significant a loss to not be noticed earlier.

He also asked for clarification as to when the leak was first noticed.

Remien explained that the loss of 375 gallons was over time. It was not a one-time loss, which is why it wasn't noticed immediately. October 15th is when it was noticed that the amount of leakage was more than normal loss due to sweating and evaporation.

Jack Anderson said in mid-October when the system was started for commissioning, it was noticed that there was a potential leak through the entries in the log books. After searching the entire length of the Accelerator Complex Cooling Water Lines, the source was discovered in January.

Hodgin explained that the potential problem was identified in mid-October when make-up calculations showed that an unusual amount of water was being added to the system. They then had to search the entire length of the tubing to locate the leak.

The February notes were approved as amended with none opposed and six abstentions.

Agenda Setting

Nora Sundin said that next month, Judy Jacobsen will give her presentation on the Community Wildfire Protection Plan and I am working on having an Energy presentation by Jim Misewich.

4. Deer Management update– Tim Green, Environmental Compliance Manager

Tim Green said the current population of deer on-site is between 400 and 500. The acceptable population is 80 – 250. The target goal of this cull is to reduce the population to a maximum of 250 deer on-site. The removal action is expected to run 5 – 6 days and is scheduled to start on March 24, 2017. It will continue until either the goal is met or the effort vs. cost becomes non-economical. Sampling will be done and the deer will be transported off-site for butchering and meat donation. Any meat above the threshold of 1.00 pCi/g of Cs-137 will be destroyed. Based on past testing results, we expect all of the deer meat to be distributed.

Member Shea asked if the donated meat is given to children and if they use the same criteria. She asked what the range of Cs-137 concentration in the meat has been.

Green said there is no difference for criteria for children vs. adults. We have seen concentration results range from non-detect to 11pCi/g of Cs-137 back in 1996. A lot is dependent on the time of year. Deer excrete it during the winter months. The highest amount seen in the last round of sampling was 1.5 pCi/g. In the batch sampling there was nothing higher than .89 pCi/g.

Member Ziems asked how long it takes to get the results of the sampling.

Green said it takes 7 days. We will have the results in 9-10 days in total.

Member Shea asked how the decision is made which ones to take. What about the young ones?

Green said the permit is for antler-less deer. This time of year, they are all antler-less. We would prefer does vs. bucks. This time of year there are no young. All those that were born last year are now adults.

Member Biss asked if deer hibernate in the winter.

Green said no.

5. 1,4-Dioxane Sampling – Jason Remien, Manager – Environmental Protection Division

Jason Remien said that since the late 1950's, 1,4-Dioxane has been used as a stabilizer for TCA (Trichloroethane) and it is a hot topic right now. BNL agreed to collect samples from 22 groundwater monitoring wells on and off site that currently or historically had significant TCA concentrations or are downgradient of those locations. Samples were collected in mid-January and analyzed using EPA Method 522, which has a low detection limit. Of the 22 monitoring wells, 17 detected 1,4-Dioxane with concentrations ranging from .018 µg/L to 18.6 µg/L. All concentrations were below the current NYS standard for non-specific organic contaminants of 50 µg/L. BNL's drinking water supply wells were tested by SCDHS in 2015 and 2016 and no 1,4-Dioxane was detected. The SCWA tested drinking water supply wells downgradient of the Lab and also did not detect 1,4-Dioxane. This data was reviewed with the regulators on March 2nd and the results will be included in the 2016 Groundwater Status Report. BNL will continue to monitor regulatory discussion on this emerging chemical of concern and keep the CAC informed.

Member Blumer asked why the results in drinking water are non-detect yet the monitoring wells show some detection.

Remien said the drinking water wells are in the northern part of the site and there is no TCA plume in that area.

Member Blumer asked if the Lab will contribute to the EPA discussions on setting NYS standards for 1,4-Dioxane.

Remien said at this point, we are engaged with the regulators and communicating with them. We are waiting to hear what they have to say.

Member Somma said the lowest standard he has heard of is 0.3 µg/L in Colorado. Is the Lab prepared for a limit that low?

Remien said the Lab is working with the regulators and following this closely. Everyone is trying to figure this out.

John Burke said 0.2 µg/L is a reporting limit, 0.07 µg/L is the instrument detection limit. Anything between 0.2 µg/L and 0.07 µg/L would be reported as an estimated value.

Member Schuhmann asked if the Lab is tracking TCA also.

Remien said we are sampling on a regular basis and have seen no correlation between concentrations of TCA and 1,4-Dioxane findings. Perhaps because they travel differently.

Member Kneitel asked how treatable 1,4-Dioxane is.

Remien said conventional treatment for TCA is air stripping and activated carbon. This is not effective on 1,4-Dioxane. SCWA did a pilot study of a treatment which was successful. It is very expensive, but might be effective. They are still working on it. Conventional ways are not effective.

Member Somma said my understanding is that there is a method using hydrogen peroxide that brings it to a state where it can be deconstructed and destroyed.

6. Community Comment

Hodgin asked for comments from the community.

Tim Green said on March 24 and 25, there will be a conference held at the Lab run by LI Nature.org. If anyone is interested in attending, they can sign up to attend.

The meeting adjourned at 7:47 PM.

Next meeting: April 13, 2017

CAC Agenda Setting – December 8, 2016

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P = Present	2015	Affiliation		First Name	Last Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
		ABCO – Civic (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan	P	P	P									
		(Madigan -10/10)	Alternate	Michael	Madigan	P		P									
		American Physical Society – Business & Labor	Member	Reinhart	Schuhmann	P	P	P									
		(Schuhmann 1/14, member 9/15)	Alternate	Donavan	Hall												
		Brookhaven Coalition of Chambers of Commerce – Bus & Labor (added 6/15)	Member	Ron	Trotta			P									
		Brookhaven Retired Employees Association- BNL (Peskin - 09/09)(Franz 1/17)	Member	Eena-Mai	Franz	P		P									
		(Franz - 12/09)(Israel 1/17)	Alternate	Mark	Israel	P	P										
		(Shapiro-1/13)	Alternate	Steve	Shapiro												
		Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito	P											
		(Somma 11/16)	Alternate	Harry	Somma	P	P	P									
		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									
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk	P	P	P									
		East Yaphank Civic Association	Member	Michael	Giacomaro			P									
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack			P									
		Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt												
		Foundation for Economic Education – Ed, Sci, & Tech (5/14)(Martin – 10/14)	Member	Bruce	Martin			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									
		(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			P									
			Alternate	Scott	Carlin												
		Individual	Member	Jane	Corrarino												
		Individual	Member	Karen	Blumer			P									
		Individual	Alternate	Michael	Madigan			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)	Alternate	Katie	Muether	P		P									
		L.I. Progressive Coalition – Advoc & Env	Member	David	Sprintzen	P	P	P									
			Alternate														

P = Present	2015	Affiliation		First Name	Last Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
		Lake Panamoka Civic Association (Biss - 04/02)	Member	Rita	Biss	P		P									
		(Grandal - 10/10)	Alternate	Bonita	Grandal	P		P									
		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											
			Alternate	Clara	McManus												
			Alternate	Joe	May												
		Middle Island Civic Association (Filler 2/17)	Member	Martin	Filler		P	P									
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy												
		NSLS-II User Committee – BNL	Member	Jean	Jordan-Sweet		P										
		(Ravel -02/11-9/15)(Bohon added 11/15)	Alternate	Jen	Bohon	P											
		Ridge Civic Association (Henagan removed 9/15)(Chattaway added 10/15)	Member	Wesley	Chattaway	P	P	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		P									
		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										
		(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp			P									
		Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)	Member	Terri	Kneitel	P	P	P									
		(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett												