

Community Advisory Council
April 14, 2011
Action Items/Notes

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. BNL Moving Discoveries to the Market Place
5. Community Comment
6. Agenda Setting
7. Environmental Assessment for Wastewater Treatment Modifications

1. Attendance

Members/Alternates Present:
See Attached Sheets.

Others Present: M. Arens, S. Aronson, M. Bebon, S. Bogart, H. Carrano, J. Carter, J. D'Ascoli, N. Detweiler, I. Doroski, B. Dorsch, L. Garber, K. Geiger, D. Gibbs, M. Holland, S. Hulme, S. Johnson, R. Lee, M. Lynch, L. Lyons, R. McKay, D. Paquette, J. Remien, M. Turk, R. Turk,

2. Correspondence and Handouts

Items numbered one and two were mailed to Members with a cover letter dated April 7, 2011. Items numbered three through five were placed in the Members folders and items six through eight were available as handouts at the meeting.

1. Draft agenda for April 14, 2011
2. Draft notes for March 10, 2011
3. Revised draft agenda
4. Copy of presentation - BNL – L.I. Innovation Engine Presentation, Walter Copan
5. Copy of presentation – Environmental Assessment, Tim Green
6. Recovery Act Workers Safely Decommission Brookhaven Nuclear Reactor article
7. Working with Industry Fact Sheet
8. Flyer for The New York Innovation Marketplace workshop

3. Administrative Items

The meeting began at 6:34 p.m. Reed Hodgins, facilitator, reviewed the ground rules and the agenda. Those in attendance introduced themselves.

Member Corrarino suggested the CAC send a letter to Member Sarah Anker congratulating her on her victorious election to the Suffolk County Legislature. Nora Detweiler, BNL liaison to the CAC, will work with Member Corrarino to draft the letter.

Member Garber asked for information on ads he has seen looking for former Lab employees to be screened for medical conditions.

Detweiler said there is a Worker's Health Protection Program for former BNL employees. They are being offered a medical screening through Queens College for occupational illnesses. This is just a free screening, there is no compensation involved. If more information is needed, brochures are available. Dr. Falco can give the CAC a presentation if you are interested.

Member Motschenbacher introduced an additional alternate, Richard Murdocco, who will be representing the Long Island Pine Barrens Society, when neither she nor Richard Amper are available. Murdocco is the LIPBS's new project coordinator.

Detweiler said there are two possible new members in the audience from the Town of Riverhead, Suzanne Hulme and Izzy Doroski. The Town Supervisor will entertain a resolution to appoint them as members at the next Town Board meeting.

Member Garber said he wanted to welcome the potential new members.

Budget update:

Dr. Aronson reported that the government shutdown over the FY11 budget was averted by an 11th hour agreement. He said there are some significant cuts, but the conditions are more favorable now than they were originally. The impact to the Lab is not clear yet. DOE will decide how to allocate the available funds. The FY12 budget is now being considered by Congress.

Member Guthy asked if there will be layoffs.

Aronson said not this year.

Member Corrarino said the CAC will do whatever they can to support the Lab.

Aronson said he is grateful for all the support. Last week he was in Washington DC and spoke to a series of freshmen Congressman from New York. He was pleased with the level of support and interest that he received from them.

Update on Bldg. 96 groundwater:

Doug Paquette, Groundwater Protection Group, reported that Freon 11 was detected in groundwater in the samples from one of the Building 96 monitoring wells. The well is located approximately 300 feet south of the air conditioning shop. Concentrations of 46 ppb were found. The standard is 5 ppb. Another well 100 feet from the A/C shop was then checked and levels of 4,000 ppb were found. Both wells are being monitored and a series of temporary wells are being put in both down and up-gradient. We will come back when we have more information.

Member Giacomaro asked if the Freon was coming from A/C units or leaking from storage containers.

Paquette said Freon 11 is only used in very large units. There is a storage unit that houses the Freon and we are investigating to determine a source.

Member Schwartz said Freon 11 was banned from use because of its effect on the ozone layer.

Robert Lee, Interim Manager, GPD, said production of Freon 11 was outlawed in 2008 or 9, but if you have it, you can still use it. This is old inventory.

Member Schwartz said that it shouldn't be used because it is recognized as a global environmental hazard.

Member Jordan-Sweet asked the direction of groundwater flow in the area.

Paquette said south. The first well is 300 feet south of the A/C shop and the other well is just off the pavement near the A/C shop. The one closer to the shop has the higher concentrations.

Member Esposito asked how shallow the well is and how deep will you go.

Paquette said the well is 25 feet deep. We will do a vertical profile to see if the concentrations will vary with depth. It is still early in the investigation.

Member Esposito asked when the CAC will get a full report.

Paquette said we will get updates to you as soon as we have more information.

Member Garber said three years ago a Freon plume was discovered that was thought to be from a buried container.

Paquette said that was Freon 12. I hope to have more information for you at the next CAC meeting.

Member Giacomaro asked if the containers were checked to see if they contained the correct amount of Freon 11. If the levels were low, that could mean they are leaking.

Paquette said he is unsure how the inventory is maintained, but he will find out. He said there is a detection device in the storage trailer in case there is a leak.

Update on stack demolition:

John Carter, DOE, reported that the alternatives for demolition of the stack are still being evaluated and that John Sattler will have an update in May.

Approval of Minutes:

Hodgin asked for corrections, additions, or deletions to the March 10, 2011 draft notes. Member Garber said there was no mention of his suggestion that Jeanne D'Ascoli become a CAC member. Reed suggested capturing it here and leaving it on the agenda for a membership discussion at a later date. Member Malloy said her name was missing from the attendance roster. Her name was included; however, it was out of alphabetical order. Member Peskin asked for clarification on the CFN's User group on page 3, the statement was correct as recorded. The notes were approved as amended with none opposed and four abstentions.

4. BNL Moving Discoveries to the Market Place

Walter Copan, Manager, Office of Technology, Commercialization, and Partnerships, spoke about bridging the gap from discovery to deployment and the impact to Brookhaven. He talked about BNL inventions, technologies, patents, licenses and Nobel prizes. He said a lot of major companies look to the Lab as a feeder system for new products and technologies. The Laboratory works in collaboration with a lot of other companies. BNL buys from small businesses. In 2011, we have doubled the number of patents recorded by BNL. Some of the royalties we receive are reinvested into new research programs. He spoke about Accelerate Long Island.

Member Sprintzen asked if the Laboratory receives money from its discoveries.

Copan said yes, but the philosophy of DOE is that it's more about research partnerships and investment in research collaborations than it is about dollars.

Member Blumer asked if DOE's philosophy is holding BNL back from receiving royalties. She asked what the distribution of royalties is compared to the business world.

Copan said DOE's philosophy does not hold us back. We must create our own new sources of funding. Research is important. We are charting our own path. We have a policy here at the Lab that there is a repayment of cost first. The net profit is distributed first to the inventors, then the Department that sponsored the research gets a portion, then the Lab gets a share. The Lab's share goes into a variety of programs.

Member Corrarino asked what percentage of profits the Lab receives.

Copan said the range is from 3 – 5 percent of net sales of a product used in a patent. It is negotiated based on the total value of contribution to the product sale.

Member Garber asked if there is an emphasis on keeping the work in the local area.

Copan said we can't tell a company where to go, but one of our goals is to try to make it attractive here for entrepreneurs.

Member Guthy asked if it is mandatory that companies stay on Long Island.

Copan said no, we try to make it desirable.

Member Jordan-Sweet asked if there is a concern that the Lab will be more like a business and look for return rather than research.

Copan said deployment is a partner to discovery. We are highly respectful of the discovery side. We want to make full impact from those discoveries with respect to total return to the American shareholder.

Member Sprintzen said if the Lab is receiving 5 percent of the profits, it seems as though that should be enough to make the Lab self-sufficient.

Doon Gibbs, Deputy Director for Science and Technology, said some patents have expired or were never held by the Lab.

Copan said some deals were never patented. This was done just to get them out, without thinking about total return. We are driven by the mission of the DOE, and that is to have a positive impact for the American people.

Member Corrarino asked if she wanted to start up an idea, what would be her cost.

Copan said first we talk about your plan, capabilities, market, value and then startup costs. Bigger companies require larger fees. Smaller companies may offer us shares rather than money. Sometimes the legal fees are pro bono. If we believe in you, the costs can be low. It is negotiated on a case by case basis.

5. Community Comment

Bruce Ravel asked Dr Aronson what the freshman Congressmen's interests about the Lab were. Aronson said Rep. Grimm from Staten Island was interested in the Lab's work on Homeland Security; others from the Capital area were interested in the energy sector of the Laboratory. I gave them an overview and information on the Lab's economic impact on the State and the Island.

6. Agenda Setting

Detweiler said the CAC will take a break over the summer during the months of July and August as they have in previous years. The Pine Barrens Society requested information on all the cleanup projects and all nine Records of Decision (RODs). That presentation will be possibly in May as part of the Five-Year Review. She has been in touch with Carol Kessler, the new Director of Homeland Security, to discuss a time when she is available to give a presentation to the CAC. We are also preparing a presentation on the new site sirens, and a presentation by Tim Green on the Natural Resource Management Plan. For anyone interested, we will be having a training session for new members in early May. Even if you are not new, you are welcome to attend. Detweiler said the agendas for the next two months are pretty full and once we know how long the updates and presentations on the stack and Freon are, we will have a better idea how much time we have.

Member Sprintzen asked who the possible new members presented are and what their interests are.

Michael Turk said he is a student in the engineering program at Suffolk County Community College. He would like to represent the students.

Rosa Turk said she is interested because a lot of people in her community are unaware of all that happens at BNL.

Member Sprintzen asked for a glossary of terms.

Detweiler said that can be done.

Member Peskin said since there are so many items to be put on the agenda, perhaps we should not take both the summer months off.

Detweiler said some of the topics are more relevant than others. We will be sure to get the important topics on the agenda.

Hodgin said a discussion on meeting over the summer could take place during agenda setting next month.

7. Environmental Assessment for Wastewater Treatment Modifications

Tim Green, Environmental Protection Division, gave the CAC background information on the modifications to BNL's State Pollutant Discharge Elimination System (SPDES) permit and explained the Quantification and Removal Study/Mercury Minimization Program that were done to study reducing the targeted metals to meet the new SPDES limits. Green explained the recommendations that resulted from the studies and described the NEPA process. He described how the CAC's input and recommendations were used in developing the alternatives under consideration and explained the preferred alternative (change from discharge to the Peconic River to discharge to recharge basins).

He talked about the topics addressed in the EA: ecology, water, land use, and the socioeconomic impacts. He showed a comparison chart explaining the positive and negative impacts of the three alternatives, which in addition to the Preferred Alternative are No Action and Enhanced Effluent Treatment with continued discharge to the river.

Member Bush asked what will happen to the holding ponds.

Green said they will stay where they are. He said the river will eventually revert back to the way it was prior to WWI.

Member Esposito asked if there is a difference in nitrogen loading to the groundwater and to the river under the different alternatives and if there will be a reduction in nitrogen if it goes through.

Green said no, the nitrogen limits will remain the same.

There was a question from the audience about the cost.

Bob Lee said it will cost about \$3 million.

Member Garber asked if other municipalities have appealed the restrictive limits and what the outcome was.

Member Esposito said they have all lost their appeal. This is mandated.

Member Birben asked if there is a home test kit available to test for mercury.

Green said no.

Member Pavel said the regulatory limits on mercury are so low that it's hard to read them.

A member of the audience asked what the benefit would be if the grassland were maintained, rather than allowing the forest to grow back.

Green said you need about 25 acres to create really good grassland. The Eastern Bluebirds love this area. We have a volunteer that was installing five bluebird boxes in this area and by the time she got to the last one, bluebirds were already investigating the first one. That's how desperate they are for homes, so increasing their habitat is beneficial.

Member Esposito asked about the timeline. Now that the draft EA has gone to the State, where does it go next?

Green said the State has a 14-day timeline, however, they usually ask for more time. Then their comments are addressed and then it will go to the Department of Energy (DOE) for either a Finding of No Significant Impact (FONSI) or a determination that an Environmental Impact Statement (EIS) is needed. We hope to have it all done by end of June. Then we will do engineering studies and if we don't have to do an EIS, we will look at the sand filter beds to make sure they will recharge.

Lee said it will take a year for the design process and another year to 18 months for construction.

Green said that puts the timeline for completion around July 2014. He said he will be back in June to give another update.

The meeting adjourned at 9:11 p.m.

Agenda Topics
February 10, 2011 Poll

Homeland Security – 9
Nanotechnology Developments & Standards – 7 (3/10/2011 - E. Mendez)
Science & Politics – 7
Overview of BNL Land Use Plan – 6
Sustainability – 6
~~Photovoltaics – 6~~ (3/10/2011 - E. Mendez and R. Lofaro)
PET/MRI Research – 6
LISF Tour Prior to Completion – 6
Business/Lab Integration of New Technologies – 6
Nano Patterning – 5
Natural Resources Management Plan – 5
Nuclear Non Proliferation – 4
Nuclear Safety – 4
Catalysis & Super Conducting Magnets – 3
Cosmology – 3
Accelerate Long Island as info. becomes available - 3
Safety Progress – 2
CRADAS – 2
Radio Isotopes – 2
Nuclear Stewardship - 1
~~Technology Transfer – 0~~ (4/14/11 – W. Copan)

P = Present	2011	Affiliation		First Name	Last Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
		ABCO (Garber added on 4/10/02)	Member	Don	Garber			P	P								
		ABCO (Madigan added 10/10)	Alternate	Michael	Madigan	P	P		P								
		American Physical Society	Member	Margaret	Malloy		P	P	P								
		Brookhaven Retired Employees Association (Peskin replaced Campbell 09/09)	Member	Arnie	Peskin		P	P	P								
		Brookhaven Retired Employees Association (Franz 12/09)	Alternate	Eena-Mai	Franz	P	P										
		CHEC (Community Health & Environment Coalition (added 10/04)	Member	Sarah	Anker												
		(added 12/08) (R. Andrejkovics removed 9/09)	Alternate														
		Citizens Campaign for the Environment	Member	Adrienne	Esposito	P			P								
		Citizens Campaign for the Environment (K. Jacobs off 1/08)	Alternate														
		Colonial Woods Whispering Pines (added 06/09)	Member	Christine	Birben	P	P	P	P								
		Colonial Woods Whispering Pines (added 09/09)(Rehbein added 11/10)	Alternate	Eric	Rehbein	P	P		P								
		E. Yaphank Civic Association	Member	Michael	Giacomaro		P	P	P								
		E. Yaphank Civic Association (J. Minasi new alternate as of 3/99) (M. Triber 11/05) (Munson 6/06) (Feinman 2/09)	Alternate	Bob	Feinman	P		P	P								
		Educator (changed 7/2006)(Bush member 5/10)	Member	Greg	Bush		P	P	P								
		Educator (B. Martin - 9/01)	Alternate	Bruce	Martin												
		Educator ((Bush 5/09)	Alternate	Adam	Martin												
		Fire Rescue and Emergency Services (J. Williams removed 3/11) (F R & E services resigned 2/2011)	Member														
		Fire Rescue and Emergency Services (D. Lynch removed 3/11)	Alternate														
		Fire Rescue and Emergency Services (J. McLoughlin removed 3/11)	Alternate														
		Friends of Brookhaven (E. Kaplan changed to become member 7/1/01)	Member	Ed	Kaplan		P	P									
		Friends of Brookhaven (Schwartz added 11/18/02)	Alternate	Steve	Schwartz				P								
		Health Care	Member	Jane	Corrarino	P		P	P								
		Health Care	Alternate														
		Huntington Breast Cancer Coalition	Member	Mary Joan	Shea	P	P	P	P								
		Huntington Breast Cancer Coalition	Alternate	Scott	Carlin			P									
		Intl. Brotherhood of Electrical Workers/Local 2230 (S. Krsnak replaced M. Walker 1/11/07)	Member	Scott	Krsnak			P	P								
		IBEW/Local 2230 (off mailing list 8/2009)	Alternate	Philip	Pizzo												

P = Present	2011	Affiliation	First Name	Last Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
		L.I. Pine Barrens Society	Member	Richard	Amper											
		L.I. Pine Barrens Society (Motschenbacher 6/09)	Alternate	Beth	Motschenbacher	P	P	P	P							
		L.I. Pine Barrens Society (Murdocco 4/11)	Alternate	Richard	Murdocco				P							
		L.I. Progressive Coalition	Member	David	Sprintzen	P	P		P							
		L.I. Progressive Coalition	Alternate	None	None											
		Lake Panamoka Civic Association (Biss as of 4/02)	Member	Rita	Biss	P	P	P	P							
		Lake Panamoka Civic Association (Gibbons off 1/10)(Grandal added 10/10)	Alternate	Bonita	Grandal	P			P							
		Long Island Association (Groneman replace 10/05)	Member													
		Long Island Association (LIA resigned Evanzia removed 2/11)	Alternate													
		Longwood Alliance	Member	Tom	Talbot		P	P								
		Longwood Alliance	Alternate	Kevin	Crowley											
		Longwood Central School Dist. (switched 11/02)(Castro replaced Henigin 6/09)	Member	Maria	Castro	P	P	P	P							
		Longwood Central School Dist.	Alternate	Allan	Gerstenlauer											
		NEAR	Member	Jean	Mannhaupt			P								
		NEAR (prospect taken off ¾) (Blumer added 10/04)	Alternate	Karen	Blumer		P		P							
		NSLS User	Member	Jean	Jordan-Sweet		P	P	P							
		NSLS User (P. Stephens removed after contact regarding new address failed mail returned 5/2010) (Ravel added 2/11)	Alternate	Bruce	Ravel			P	P							
		Ridge Civic Association	Member	Pat	Henagan		P	P								
		Science & Technology (added 1/1/05)	Member	Iqbal	Chaudhry		P	P								
		Town of Brookhaven (Graves made member 6/06)	Member	Anthony	Graves	P										
		Town of Brookhaven (Ormond 9/10)	Alternate													
		Town of Brookhaven, Senior Citizens	Member	James	Heil	P	P	P	P							
		Town of Brookhaven, Senior Citizens (open slot as of 4/99)	Alternate													
		Town of Riverhead (Conklin until 12/09)(added 4/11)	Member	Isidore	Doroski											
		Town of Riverhead (added 4/11)	Alternate	Suzanne	Hulme											
		Wading River Civic Association	Member	Helga	Guthy		P	P	P							
		Wading River Civic Association	Alternate	Sid	Bail											