

MEETING MINUTES
CAPE COD WATER PROTECTION COLLABORATIVE
Governing Board Committee
February 13, 2018

A meeting of the Cape Cod Water Protection Collaborative was held on February 13, 2018 at 9:30 a.m. in the Cape Cod Commission's main conference room, 3225 Main Street, Barnstable, MA.

Members:

Barnstable	Paul Hebert	Present
Bourne	Terri Guarino	Absent
Brewster	Ryan Bennett	Absent
Chatham	Florence Seldin	Present
Dennis	Wayne Bergeron	Present
Eastham	Jane Crowley	Absent
Falmouth	Ray Jack	Present
Harwich	Larry Ballantine	Present
Mashpee	Vacant	Absent
Orleans	Sims McGrath	Present
Provincetown	Vacant	Vacant
Sandwich	Dave Sampson	Absent
Truro	Emily Beebe	Absent
Wellfleet	Curt Felix	Present
Yarmouth	Jeffrey Colby	Present
County Appointee	Zenas Crocker	Present
County Appointee	Ron Beaty	Present
Ex-officio member	George Heufelder	Absent

Others Present:

<i>Erin Perry</i>	<i>Cape Cod Commission</i>
<i>Heather McElroy</i>	<i>Cape Cod Commission</i>
<i>Kristy Senatori</i>	<i>Cape Cod Commission</i>
<i>Stephanie Houghton</i>	<i>Cape Cod Commission</i>
<i>Jeff Gregg</i>	<i>GHD</i>
<i>Scott Horsley</i>	<i>Horsley Whitten</i>

Sims McGrath called the meeting to order at 9:38. Florence Seldin made a motion to approve the January 10, 2018 minutes, seconded by Paul Hebert, six voted in favor with 4 abstaining (Sims McGrath, Ray Jack, Wayne Bergeron and Ron Beaty)

Presentation and discussion on the annual update of the water quality technologies matrix by Heather McElroy, Natural Resources Specialist, Cape Cod Commission

Heather McElroy gave an overview 208 Tech Matrix Review Committee and updates to the water quality technologies matrix. The Committee was made up of the following members:

- Marcel Belaval, EPA
- Sara Burns, The Nature Conservancy
- Ann Giblin, Maine Biological Lab
- Scott Horsley, Horsley Witten Group
- Anastasia Karplus, ScienceWares
- Christopher Neil, Woods Whole Research Center
- Thomas Parece, AECOM
- Mathew Reardon, Mass DEP, later replaced by Brian Dudley of Mass DEP
- Joshua Reitsma, Barnstable County Cooperative Extension and Woods Hole SeaGrant
- Ivan Valiela, Marine Biological Lab

The committee met four times over the last year to review the matrix.

The first task was to abbreviate the matrix. Commission staff identified the columns that are being utilized through the scenario development process. Columns that were not used in scenario development were removed as were non-nitrogen removing technologies.

Footnotes have been moved to a tab within the spreadsheet making it easier to locate and navigate.

The committee did an in-depth review of aquaculture and permeable reactive barriers (PRBs). They recommended consolidating the information on aquaculture into two groups, general aquaculture and nursery shellfish, due to their different removal rates. The rows were consolidated and removal rates were modified. PRBs were examined and edits were made to siting criteria.

Curt Felix asked if the nitrogen removal rate was based on the individual oyster and noted that the rate of removal in the Commission's watershed reports is based on acreage. Ms. McElroy said changes to the matrix regarding oysters per acre were included in the update. Mr. Felix asked if towns can change the density to their local density. Ms. McElroy said yes, the data in the Tech Matrix serves as a guideline, if a town believes it has better data, it is up to the town to make that case.

Ms. Seldin asked where PRBs are located on the Cape. Ms. McElroy said PRBs are located in Orleans and Falmouth and EPA did a site screening analysis across the Cape which included Dennis, Mashpee, Falmouth and Barnstable. Ms. McElroy said the studies from site investigations and reports from Orleans will be added to the Tech Matrix reference page.

The committee recommended the baseline nitrogen calculation for onsite technologies be modified from 40 mg/l to 26.25 mg/l, this led to a change in removal rates. All changes appear in red. The useful life for some technologies was also changed for some technologies. Larry Ballantine asked what the implications are due to this change. Ms. McElroy said it affects the removal rates of onsite technologies. Mr. McGrath asked if the change in the number was a more accurate estimate of the amount of nitrogen that reaches groundwater. Scott Horsley said yes, it is the number that is used by MEP.

The committee agreed that it made sense to include the status of pilot implementation (approved, advanced pilot, initial pilot and not approvable), an additional column was added for pilot project status. Pilot studies will be tracked and data added to the matrix. References were updated and moved into a linked pdf.

The Tech Matrix webpage (<http://www.capecodcommission.org/index.php?id=656&maincatid=491>) can be accessed from the CCC website. There are links to the 2.0 spreadsheet, references and a link to the viewer. The viewer (<http://www.capecodcommission.org/blackbox/>) provides links to easy to read information on technologies.

Kristy Senatori said there is a need for a uniform database to store and collect pilot monitoring data. The Tech Matrix will be continuously updated to incorporate additional information.

Erin Perry said linked to the 208 webpage there is a story map of all ongoing projects across the Cape- <http://www.capecodcommission.org/index.php?id=562> Ms. Seldin asked how that link could be promoted. Ms. Senatori suggested including it in the Commission's newsletter and adding it to the Tech Matrix webpage.

Report from the Cape Cod Commission

Monitoring: Ms. Perry said the monitoring subcommittee will meet prior to the next governing board meeting. The subcommittee will most likely meet 3-4 times over the course of the spring and issue a final report to the governing board. The subcommittee will look at: who is monitoring, where monitoring is being done, what data is collected and if there are any redundancies. The committee will also look into the Barnstable County Lab's capabilities.

Ms. Perry referred to the draft of the monitoring proposal discussed at the last meeting. The Science Collaborative Science Catalyst grant offered by the National Estuarine Research Reserve system will not be pursued due to the funding amount and time period. WBNERR suggested that grant would not be the best source of funding. The focus will be on an upcoming SNEP grant. Ms. Seldin asked if matching funds were required. Ms. Perry said yes and staff time would count towards the match.

Financing: Update on rental tax legislation

Stephanie Houghton said the Michlewitz Bill H.3454 will most likely move within the next week or two, it is still in the House Committee on Rules. The Cape Cod Chamber has hosted three sessions with town managers and other town officials to discuss how the tax could assist their communities with wastewater funding. Wayne Bergeron asked if the money collected from the rental tax would pass through the state or if the towns would have to apply to the state for the funds. Ms. Houghton said the 6% would pass through the state and the conference center fee may have a more direct

route to the towns. The conference center fee is an additional 2.7% charged to visitors for the use of infrastructure. Ms. Senatori said Commission staff would continue to monitor the bill and provide the board with updates.

Discussion and potential vote on supporting a request for funds from Barnstable County Commissioners Special Projects Reserve Fund to support water quality monitoring efforts in fiscal year 2019

Ms. Senatori said the board could vote to sign a letter to the Barnstable County Commissioners requesting funds from the Special Projects Reserve Fund. The amount in the fund total around \$190,000, this number was confirmed by Ron Beaty. This request is outside of the budget process and the decision could be made over the next few weeks. Mr. Ballantine asked if these funds could be used as a match for other grants. Ms. Senatori said it could be used to leverage additional grants. Zenas Crocker asked if the state match has been received by the County. Mr. Beaty said Leo Cakounes has said in the past that the County has not received the funds. Ms. Senatori said Commission staff would provide information about the state funds at the next meeting. Mr. Ballantine made a motion for the chair to sign a letter requesting funds, seconded by Mr. Bergeron and approved by all, with Mr. Beaty abstaining.

Reports from Governing Board Member Towns and Organizations on Water Resources Issues

- **Town of Chatham** – Florence Seldin: Chatham, as part of the Pleasant Bay Alliance, is working towards a watershed permit. The connection of additional homes to the sewer system is continuing. The town has a new iron
- **Town of Yarmouth** – Jeff Colby: The Town of Yarmouth applied for and was granted \$150,000 to continue partnership discussions with Dennis and Harwich, the towns will hold a joint meeting in March. The town also plans on discussing partnership opportunities with the Town of Barnstable.
- **Town of Wellfleet** – Curt Felix: The town is moving ahead with a warrant article for a staff position to oversee both water and wastewater. The town continues to work on a watershed plan
- **County** – Zenas Crocker: The Coalition is working to put together a pilot program to use a number of 208 tools in the Marstons Mills River area of the 3 Bays watershed. The Coalition is working with the Nature Conservancy to determine funding sources. An RFP is being developed which will seek investment money.
- **Town of Dennis** – Wayne Bergeron: The train bridge over Bass River has been widened, the next project is to widen the Route 6 bridge. In June, Dennis put oysters into Swan Pond estuary, monitoring will be done by volunteers. At Town Meeting voters will be asked for permission to draft special legislation to create the Dennis, Yarmouth and Harwich Clean Water Community Partnership and to request the state senator and representative to support the legislation.
- **Town of Orleans**– Sims McGrath: The Nauset Regional School Committee has agreed to an extension of the PRB project in the middle school parking lot. The disposal site search has found a few potential sites.
- **Town of Harwich**– Larry Ballantine: The Town of Harwich is working with Dennis and Yarmouth and the Pleasant Bay Alliance. The town is spending \$10 million in East Harwich to design the sewer system and hook up with Chatham.
- **Town of Falmouth** – Ray Jack: Falmouth, Joint Base Cape Cod and neighboring towns completed the first phase of the regional opportunities study, an evaluation of economy of scale opportunities. Phase two will refine the opportunities identified and engage the towns and base in discussions about moving forward.
- **Barnstable County** – Ron Beaty: Mr. Beaty said he had nothing to report.

At 10:55 Ms. Seldin made a motion to adjourn the meeting, seconded by Mr. Ballantine and unanimously approved.

MATERIALS USED/PRESENTED AT THE FEBRUARY 13, 2018 CCWPC MEETING:

Handout materials:

- February 13, 2018 CCWPC Governing Board Meeting Agenda
- January 10, 2018 CCWPC Governing Board Meeting Minutes
- Regional Analysis of Cape Cod estuarine water quality monitoring data to inform local decision making draft project narrative
- Cape Cod Water Protection Collaborative FY18 Agenda Topics