



EAST OF HUDSON WATERSHED CORPORATION

EXECUTIVE COMMITTEE MEETING

LOCATION: Business Office: 2 Route 164, Patterson, NY 12563

TIME and DATE: 9:30 AM, Tuesday, February 23, 2017

Meeting Minutes

1) Open Meeting

Voting Members in Attendance: Peter Parsons (Town of Lewisboro) for himself and as alternate for Chris Burdick (Town of Bedford); Rich Williams (Town of Patterson); Warren Lucas (Town of North Salem) for himself and as alternate for Dave Kelly (Town of Pawling); Bruce Walker as alternate for MaryEllen Odell (Putnam County); Rich Franzetti as alternate for Ken Schmitt (Town of Carmel)

Others in Attendance: George Rodenhausen (Corporate Counsel); Vincent Giorgio (NYC DEP), Antonino Modica (NYC DEP); Kevin Fitzpatrick (EOHWC); Joanne Tavino (EOHWC); John Belyea (EOHWC); Yvette Rivera (EOHWC); Linda Matera (EOHWC)

2) Approve Meeting Minutes

Motion by Director Parsons, seconded by Director Williams, to approve the meeting minutes of January 26, 2016; all in favor.

3) Financial Update

Joanne Tavino reported that checks today were written in the amount of \$30,000. The Years 1-5 program will end with approximately \$6.5 million. The ending fund balance for January 31 is \$11 million.

a. Investment Update

Joanne sent out the investment update to the finance committee regarding the rollovers that occurred on January 31 and February 2. On March 31, rolling over the investments will be considered again; however, as we go into construction season, it may be necessary to hold back \$2 million in funds to keep cash on hand for expenditures.

4) List of Reporting and Filing Due Dates

Joanne reported that a majority of members submitted their annual conflict of interest forms and the auditor is satisfied with what has been received to date.

5) Audit

Joanne informed the Executive Committee that the audit has been completed. Draft financials were received one month earlier than last year. O & M bubble compliance has been added to the financials as an expenditure and a revenue item so that it nets out to a zero cost to East of Hudson Watershed Corporation (EOHWC). It has been reviewed by the audit committee and is ready to be finalized and sent to New York State Authorities Budget Office (NYS ABO) and to New York City Department of Environmental

Protection (NYC DEP) by March 31. Director Lucas noted that a few minor spelling corrections should be made prior to submitting to authorities.

Motion by Director Parsons, seconded by Director Lucas to send draft financials to all necessary authorities subject to changes after comptroller's consultation with the treasurer; all in favor.

6) Project Update

a. Running Project Status Table Years 1-5

Kevin Fitzpatrick reported that NewC-NCR33A and NewC-NCR-33B have preliminary approval for permits and will be going out to award construction at the April 27th Executive Committee meeting. A meeting was held with NYC DEP to address SE-POT-02 after the last Executive Committee meeting and they have asked us to meet additional requirements for the design and treatment elements above what is required for the program. In addition to channel stabilization, they are requiring a pre-treatment element using a hydrodynamic separator (HDS) unit. As a corporation, we no longer implement the use of HDS because it is very inefficient, only obtaining 10% phosphorus removal and is not worth the investment from our perspective of kilogram reduction. In order to obtain the permits, the NYC DEP Permitting and Engineering Division is requiring it. Installation of the HDS unit would increase the project cost by approximately \$100,000 and only yield an additional 2 kilograms of phosphorus removal. An alternative product from Fabco Industries has been presented to them, which they are currently discussing. We hope to implement Fabco's product for Years 6-10, which would remove 50% of phosphorus, thereby making projects more efficient overall. Vincent Giorgio will look into the possibility of the Crossing, Piping or Diversion Permit (CPDP) for SE-POT-02 being issued with the use of the more efficient catch basin insert from Fabco. Kevin pointed out that there will be two separate units installed for the Brewster Heights project. An update will be provided at the March 23rd Executive Committee meeting on the outcome of the NYC DEP's decision. In addition, Kevin announced that spring construction is starting up and projects highlighted in green on the Running Project Status Table for Years 1-5 will be removed once all construction has been completed.

a. Running Project Status Table Years 6-10

Kevin reported that progress is being made on Years 6-10 channel stabilization projects with private property owners. George Rodenhausen is currently reviewing requirements of the installation agreements. The surveying work RFP will go out tomorrow. Many of the engineering RFPs will be addressed in the next month or two.

7) O & M Update

Kevin informed the committee that O & M bills are currently being prepared and will be sent to municipalities shortly. Whether a town will receive money from EOHWC or owes money, notification will be sent. The auditor has been consulted to confirm that everything is being represented correctly.

The next wave of O & M will be items wrapping up any issues that were not completed last year and addressing any damage that sustained over the winter. Highway departments will continue to be encouraged to look at projects installed in their towns and keep making progress.

9) Checks and vouchers

Monthly checks and vouchers were signed. No action taken.

10) Other business

Director Lucas discussed in greater detail the use of Fabco's catch basin insert. The cost for each unit is approximately \$1,300 and replacement filters are \$65 each. The NYC DEP has given them a 50% phosphorus removal rate. It was requested that Bill Stoker from Fabco be invited to the next Executive Committee meeting in March to briefly present the product and answer any questions. Kevin stated that sites have been identified where the units would work most efficiently. A Fabco insert is currently being utilized in Putnam Valley and has received rave reviews from their highway department. It is believed that O & M can be simple if the units are installed in impervious areas, such as those in parking lots, as opposed to parks, where leaves and debris accumulate quickly. Director Lucas added that installing these units could mitigate the need for sweeping as is required by the MS4 Permit. Kevin noted that phosphorus removal is highly dependent on the load. Director Williams inquired if the load would have to be calculated for each individual catch basin. The possibility of installing them around Putnam Lake was considered; however, there are no calculations for the stormwater basins there. Kevin mentioned that town hall areas are likely the best locations for installation to test the efficiency. Approval has been given by NYS DEC for the phosphorus removal filter, which could minimize the need to go into private property, although some will need to be installed on private property.

Bruce Walker announced that he had two separate meetings with the NYS DEC. In the first meeting with Ken Kosinski and Jim Tierney, the capability of a product similar to Fabco's was discussed that uses a char product, which is activated in different ways to chemically adsorb things like nitrogen, phosphorus and volatile organic compounds (VOCs). It could possibly be used for Lake Carmel, in conjunction with Fabco's catch basin insert. The NYS DEC agreed to give us regulatory approval to include it in a retrofit. There's an abundance of science and paperwork on its effectiveness. One of the possibilities that interested them was its ability to capture and sequester phosphorus. The actual concentration can literally be measured going in and coming out. Kevin agreed to look into projects in the Town of Carmel in which this product can be implemented. Additionally, Bruce mentioned that they were particularly interested in the total maximum daily load (TMDL) that was given in the SPDES Permit. Director Williams expressed concern with the potential cost associated with sampling and the NYS DEC giving approval to do it in mass. Director Parsons inquired as to whether we can use funding for scientific research and what kind of expenditure it would be classified as. Director Parsons volunteered Kitchawan and Truesdale Lakes, which are also TMDL. To Director Williams' point, Kevin questioned if there were restrictions on our funding which may prevent us from getting testing performed. John Belyea asked if EOHWC would be bound to pre-sample every one of the locations because of the difference in water quality. Director Parsons asked Vincente Giorgio as to whether we could use NYC DEP funds. Vincent will review the agreements to clarify acceptable use of funds. Kevin will submit a letter to Vincent to inquire whether NYC DEP is prepared to use WQIP funds already in our possession or any other funds to explore this possibility.

Bruce summarized his second meeting with Ken, Jim and the regulatory folks at NYS DEC regarding filing of comments. An extensive look was taken of everything on Rich's list to modify and address

spending. It was concluded that it would be best to spread work out over the five-year window, rather than addressing it all in Year 6. In addition, Bruce requested that the education component required as a bubble compliance issue be done collectively at one time, rather than 19 municipalities preparing them separately. The SWPP plans can be spread out over 5 years. George Rodenhausen inquired about bubble compliance with the education component and suggested the possibility of using WQIP funds and going through a right of objection. Vincent added that the program was specifically set up for retrofits and if education is going to be explored, then the agreement will likely require modification.

11) Adjournment

Motion to adjourn by Director Parsons, seconded by Rich Franzetti; all in favor. Adjourned 10:28 AM.

VICE PRESIDENT'S CERTIFICATE

I certify that the foregoing is a true and correct copy of the minutes approved by the Executive Committee.



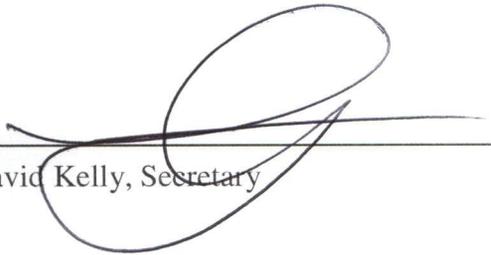
Richard Williams, Vice President



Date

SECRETARY'S CERTIFICATE

I certify that the foregoing is a true and correct copy of the minutes approved by the Executive Committee.



David Kelly, Secretary

5/1/17
Date