

1 CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
2 **MS4 SUBCOMMITTEE**
3 OF CLEAN WATER ADVISORY COMMITTEE – **DRAFT** MINUTES
4

5 DATE: **Tuesday, April 7, 2020**
6 SCHEDULED TIME: 12:30 p.m. to 1:30 p.m.
7 PLACE: ONLINE via GoToMeeting
8 DOCUMENTS: Minutes, a video recording, documents, and presentations discussed accessible at:
9 <http://www.ccrpcvt.org/meetings/clean-water-advisory-committee/>

Committee Members in Attendance		
Burlington: James Sherrard	Burlington Airport: Polly Harris (Stantec)	Williston:
Colchester: Amanda Clayton	Milton: Dave Allerton, Ashley Jackson	Winooski: John Choate, Tim Grover, Ryan Lambert
Essex: Annie Costandi, co-chair	Shelburne:	VAOT: Jennifer Callahan
Essex Junction: Chelsea Mandigo, co-chair	South Burlington: Tom DiPietro	Univ. of VT: Lani Ravin
DEC: Christy Witters		
Other Attendees: Winooski NRCD: Kristin Balschunat; Pluck: Dave Barron; DEC: Jim Pease, Emily Schelley, Hank Ainley; Northwest RPC: Kate Longfield; USGS: Jason Sorenson, Jeremy Foote, Benjamin Rau; Blue® Stormwater: Drew Bissell; Stone Environmental: Amy Macrelis, Pauline Crocker		
CCRPC Staff: Dan Albrecht, Charlie Baker, Chris Dubin		

10
11 **1. Call to Order, Changes to the Agenda and Public Comments on Items not on the agenda:**

12 Chelsea Mandigo called the meeting to order at 12:30 p.m.
13 No public comments were made.
14

15 **2. Review and action on draft minutes of March 4, 2020**

16 No action as the agenda incorrectly stated February 4th minutes and the draft minutes of the March 4th
17 meeting were not posted as well.
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19 **3. Review and action on Final Rethink Runoff Water Quality Monitoring Report**

20 No comments or questions were made on the proposed Final Report. *James Sherrard made a motion,*
21 *seconded by Annie Costandi to approve the report. No discussion. MOTION PASSED with abstentions by*
22 *Harris and Witters.*
23

24 **4. Presentation by USGS on Clean Streets Project (Jason Sorenson, USGS)**

25 Jason presented the results to date of the project which will be wrapped up by late June. Seven Chittenden
26 County MS4s participated along with Barre and Montpelier. As has been discussed recent studies and policy
27 of State of Wisconsin show potential for increasing TMDL credits for leaf removal. USGS worked with the
28 municipalities who assisted with collection of samples from catch basin (CB) and street cleaner (SC) work
29 from September 2017 through November 2018. The study focused on developing estimates for interim credits
30 and modeling to explore potential increase of load reduction credits for leaf management.

31 He described how samples were collected and then analyzed for total organic carbon (TOC), total Kjeldahl
32 nitrogen (TKN) and total phosphorus (P). He showed examples of how concentrations varied by season, by
33 month and by street cleaner routes and by type of material such as pine needles vs. leaves. He showed an
34 example of how interim credits would be calculated if an MS4 community were to manage leaves according to
35 the Wisconsin Department of Natural Resources Phosphorus Reduction Credit for leaf management.

36 A summary of the provisional data is as follows and is subject to change:
37

Summary

- Vermont study area CB and SC materials have similar GSF distributions
- CB materials less sensitive to seasonality
- CB coarser in spring/summer and SC coarser in fall
- SC materials dominated by organics/leaves in the fall
- Blank samples indicate equipment not a source of bias
- Replicates good for total P, more variable for TOC and TKN (coarse)
- Catch Basin TOC, TKN, and total P conc highest in fall samples
- Street Cleaning TOC, TKN, and total P conc highest in fall 18 and June 18
- Estimated total P content in CB and SC piles similar to CSB (2016)
- Interim credits show potential for increasing CB, SC and Leaf credits
- SLAMM runoff calibration to 1999 data considered good
- Calibrated SLAMM scenario results to evaluate interim credits results and support development of long term credits

The next steps for the project are: 1) complete calibration for pollutants (Phosphorus) with 1999 data, 2) validate model performance with 2000 data, 3) run model scenarios to support development of long-term credits, 4) complete draft and submit for review by USGS Science Center by May 1st.

In response to questions, Jason added: yes, variation in P concentration is known to vary according to tree species but the variables are too complex to factor into load reduction credits now; a key take home message he has now is, “pick up leaves as soon as possible before rain.” Jim Pease added that DEC will use the final report to develop formal protocols for how MS4s can improve their p-reduction credits if they were to adopt the “Wisconsin method.”

5. Advertising: update by Pluck on Spring-Summer Creative

Dave Barron walked through his recent design efforts including revised and new Rack Cards, ads linked to health of notable wildlife species such as the Black Tern, the Brook Trout and the Spiny Soft-Shell Turtle and a watershed graphic. He also will be developing a set of smaller and short animated online ads.

6. Updates

a. Stream Team Kristin reported that the Essex rain barrel workshop has been moved to Vermont. She reported that she did an interview last week with the CCTV show, “Positively Vermont” and she has also been invited by ECHO Museum to do three, 15-minute presentations.

b. Budget line item for Pluck Dan showed Pluck’s proposed work item for FY21 to update the Stormville feature for the rethinkrunoff.org website, primarily by breaking it down into separate visual elements. Dan noted this proposed “new” element would add \$1,500 to the proposed \$9,000 “maintenance” budget for next year.

c. Future costs for CCRPC staff time Dan noted that for the last several months he had been able to charge CCRPC’s Tactical Basin Planning outreach grant to cover the time he has spent preparing the agenda and materials for, participating in and preparing the minutes for each MS4 Committee meeting. Those grant funds are now exhausted however so he will have to go back to invoicing the MS4 Services Agreement for that time.

8. Agenda Items for Tuesday May 5th

a. Action on draft final FY2021 Rethink Runoff Program Budget

8. Adjournment The meeting adjourned at 1:45 p.m.

Respectfully submitted, Dan Albrecht