# **Seacoast Stormwater Coalition Meeting Minutes**

#### Zoom meeting

### Wednesday, November 17, 2021, 1:00 – 3:00 p.m.

#### **Present:**

Gretchen Young, Dover- Chair

April Talon, Durham

Megan Dalton, Geoinsight/Kingston

Kara Campbell, Hampton Heidi Marshall, Hoyle-Tanner

Michael Trinque, Hoyle-Tanner/SWA

Lisa Perreault, Kingston Chris Jacobs, Milton Clarence Nason, Milton Deb Loiselle, NHDES Ted Diers, NHDES Steve Landry, NHDES Tom Swenson, NHDES Aubrey Voelker, NHDES Katie Zink, NHDES Brian Goetz, Portsmouth
Jamie McCarty, Portsmouth
Daniel Okuniewicz, Portsmouth
Ryan O'Conner, Rochester
Dennis McCarthy, Rye
Mike Bobinsky, Somersworth

Autumn Scott, SRPC Nate Mears, Stratham

Stefen Nguyen, TEC/Seabrook Amber Hall, Sommersworth Jamie Houle, UNH SC David Bowley, UNH Will Powers, UNH

Christine Rinehart, Wright-Pierce

- 1. Introductions: All in attendance are listed above.
- **2. Meeting minutes**: Meeting minutes will be approved when we meet in person, they will remain on the Blog in draft form until then.

## 3. Year 4 Requirements (Partial List):

- Gretchen Young presented.
- Year 4 subcommittee includes Jamie McCarty, Portsmouth and Jen Mates, Exeter- just moved to a new position in NHDES, Dave Bowley-UNH, Deb Loiselle and Tom Swenson from NHDES.
- The subcommittee is aiming to have something by January or February 2022.
- One task they are working on is wet weather sampling.
- There was a dry weather sampling training on 11/16/21 and the recording will be posted on the Blog soon.
- With dry weather sampling a number of outfalls were cut out due to having no flow, but we won't be able to cut those out with wet weather sampling.
- A spreadsheet for prioritizing outfalls was shared.
- This will help with ranking for wet weather as well. The spreadsheet uses system vulnerabilities to rank the outfalls.
- Page 40 of the MS4 permit talks about the following system vulnerability factors including: a
  history of an SSO, twin inverts for Sanitary Sewer, common trench, crossing SW and SS lines
  where drainline is lower, underdrain systems, inadequate SS service (back-ups, etc.), defects,
  and EPA also has recommendations such as age greater than 40 years. There will need to be
  discussion on the EPA recommendations.
- If anyone wants to join the subcommittee, let Gretchen know.
- Q-Has anyone been working on this?
  - o A- April Talon from Durham will be working on this with a consultant.
  - They will have the consultant work on vulnerabilities and will share with the group if anything jumps out.

- o Durham has a new GIS coordinator that April will loop in.
- Dry weather sampling is done and we're moving on to wet weather sampling.
- Q-Did anyone get a good IDDE find?
  - A- Dover got a hit but nothing major.
- The subcommittee will put together a checklist for section 2.3.6 to make sure your zoning and construction codes don't prohibit certain best management practices. You can use this checklist to go through your regulations.
- Appendix H 2.3.6.e prioritize permittee owned properties and nitrogen source identification report. The work that has been done with Hot Spots Mapping is in line with this requirement.

## 4. Hot Spot Mapping (aka Pollutant Load Maps):

- Jamie Houle presented.
- There is a training on Friday November 19<sup>th</sup> from 10-12 PM, which will be recorded. The reports are on the Blog here https://www4.des.state.nh.us/nh-ms4/?page\_id=1798.
- Those with Phosphorus impairments will need to do Phosphorus Control Plans and can use hot spots to help with this, but political boundaries were used so drainage areas will need to be loaded in and cut to the drainage area.

## 5. Winter Maintenance:

- Deb Loiselle and Ted Diers presented.
- Aubrey Voelker is the new salt coordinator. She has been in the position for three weeks.
- She worked for Squam Lakes Science Center for five years prior to this position.
- She is working to get the Green SnowPro operators certified. She looks forward to adding the municipal operators to the program.
- Ted presented Municipal Green SnowPro Brainstorm Session.
- Ted stated that this will be your program. What do you want it to look like? Ted will use the feedback to write the rules.
- This program will be optional and voluntary. This is not focused on individuals. In the GSP program individuals are certified and it requires a lot of tracking.
- This will be a certification of your municipal program.
- It will be up to you to train your employees.
- There can be multiple levels of complexity. Not everyone has the same level of need.
- There will be a fee, because we have to administer it. That won't be talked about today.
- Today will not be your only opportunity to give feedback.
- Ted would like to come back to get more feedback once things start taking shape.
- The program could include a village district, university, municipality, etc.
- This is at the government level, not hospitals or non-profits.
- Elements of the program include; planning, training, preparation, plowing, salt application, analysis of level of service, and salt accounting.
- Q- What should be added or removed?
  - A- Weather tracking, expectations at the community level (kind of falls under level of service), how to communicate to the public- there is a struggle because bare pavement within five minutes of a snow event is not possible. Funding and cost is part of it.
     Claremont said if they use less salt they could buy a bobcat and they were able to do it.
- Planning element- buying salt, forecasting, and defining level of service. What else?
  - Salt vs. sand or salt and sand. Calibrating spreaders. Communities that use sand tend to use more salt. Sand involves more clean up. Sand should only be used in areas with traction issues.
  - Q- Does anyone have experience with magnesium chloride?

- 1. It's a component of some mixes, but it gets slippery if it's used on its own. In Duluth they use potassium acetate. There are other options as well.
- O What are the best products to meet goals?
- Training element- People can develop their own training programs or link to the Roads Scholar program through UNH T2. What do you want us to think about?
  - Make sure employees understand why we need to reduce salt.
  - UNH is dying the rock salt so people see that it's been taken care of which helps cut complaints/calls for service.
  - There is a lot of over salting that goes on. That could be because of calibration, training, and perception. Research shows if you do it right you save about 25%.
- Preparation element- Calibration is enormously important. What are some metrics of calibration? How do we build in accountability?
  - o Frequency- by season.
  - o Lane miles.
  - Route planning to avoid overlap.
  - Purchasing- salt prices. A lot of emails about prices on pw.net. The price went up this year.
  - o Dover does some juggling between brine vs. plow routes.
- Plowing element- Using AVL- Automatic tracking. Equipment such as active blades. What are other things?
  - Snow dump areas.
- Salt application element- what you're doing in each storm including factors such as weather, pavement vs air temperature.
- Level of Service element- Planning level activity.
- Salt accounting element- what is the most important element in tracking? What metrics are important? How often do you track?
  - o Can you look at the data from this year and see if there are any big discrepancies?
  - O Durham has a system that details the application rate (calibration cards). Are they using that data or doing something else?
  - Dover has one person to load the trucks.
- Multiple levels of certification.
  - o Bronze, silver, and gold?
  - Level of activity verses level of performance.
  - Cost difference for levels?
  - o Levels create competition between communities.
  - Continual reduction in salt may become a public safety issue.
    - 1. The law does have some level of liability protection. But this isn't just about reduction, it's about reducing overuse and using the proper amount.
- We will put some ideas together for comments.
- Incentives for community and for employees-how to integrate training, can we tie it to grant funding, drinking water, bonus system, passes to conference, gear or merch?
- Guidance should be specific to the community or individualized program. Maybe have someone that can come in and help with the planning.
- What kind of recognition would be valuable?
  - o Like the idea but make sure it's not adversarial.
- Q-Is this for non-MS4 as well?
  - o A-Yes
- Let Ted Diers know if you have additional thoughts on this. Contact: <u>ted.diers@des.nh.gov</u> or 603-568-5991.
- This presentation will be posted on the Blog.

## 6. MCM #5 (2.3.6.b) Long-Term Operation and Maintenance:

• Bill Arcieri wasn't available so this will be postponed until the December meeting.

## 7. Updates and Other Business:

 Training Workshop: Using Hot Spot Data and Reports for MS4 Compliance November 19<sup>th</sup> 10:00 AM - 12:00 PM
 Virtual via Zoom https://unh.zoom.us/j/97974445328

• 2021 Annual Asset Management Workshop for Water Infrastructure

Data in the Water Industry
December 16 th, 2021 7:45am-3:30pm
Edward Cross Training Complex
722 Riverwood Drive, Pembroke, NH
\$45.00/person – includes coffee, snacks and lunch
Registration

## 8. Upcoming Meeting Dates and Agenda Focus for 2021 - Mark your calendars!

Meetings will occur on the 3<sup>rd</sup> Wednesday of each month. **December 15**<sup>th</sup>:

Please email potential agenda items and/or presentations to Gretchen Young at <u>G.Young@dover.nh.gov</u> or Deb Loiselle at <u>deborah.loiselle@des.nh.gov</u>. These will be considered for upcoming meetings and very helpful in the development of the monthly agendas.