

NOTES - DRAFT

Nashua and Manchester Regional Stormwater Coalition Meeting

Nashua Regional Planning Commission Office

9 Executive Park Dr. #201, Merrimack, New Hampshire

Wednesday, August 23, 9:00 to 11:00 a.m

Present:

(old mtg attendees need to update these)

Bruce Berry, Chair	Amherst	Sylvia Vanvon Aulock	Southern NHPC
Jeremy Bouvier, Chair	Manchester	Bill Arcieri	VHB
Barbara McMillan	NHDES	Jennifer Czysz	Nashua RPC
James Houle	UNH SW Center	Sara Siskavich	Nashua RPC
Heidi Marshall	CLD Consulting	Jeff Gowan	Pelham
Tom Bayrd	Hollis	Linda Panny	Nashua
John Cudworth	Hollis	Matt Monahan	NHRPC
Dawn Tuomala	Merrimack	Simon Corson	Amherst
Fred Elkind	Milford	Gordon Leedy	Amherst
Lincoln Daley	Milford	Eric Hahn	Amherst
Mike McLaughlin	Bedford		

1. General Announcements:

The RPCs are presenting 9.13.2017 webinar NH Municipal Association, 12 – 1:00. NHDES is hosting a Dirt and Gravel Road workshop with Belknap County Conservation District on September 29. Website problems –Barb will double check with Craig. Ted provided an update on guidance document with contacts and process on off-ramps, monitoring requirements, and antidegradation. Need reviewers.

2. NHDOT Drainage System Mapping Effort: Mark Hemmerlein, Water Quality Planner, NHDOT Bureau of the Environment – NHDOT is partnering with UNH Technology Transfer (T2) and the Regional Planning Commissions to develop a cloud based drainage collection system for towns, cities and the state.

- DOT has info on drainage and catch basins starting in 2003. In 2016, the technology for data management has changed from using ESRI desktop to SADES, moving to the cloud level.
- In collaboration with USGS, F&G and DES, UNH T2, started collecting info on stream crossings and others were collecting info on fish passage and sizing of culverts and stream crossings.
- Have 8,000 to 10,000 stream crossings so far—arc on-line and ESRI-based. DOT uses the stream crossing as a target for mitigation. They have used that model for guard rail and sidewalks for RPCs.
- DOT methodology is trimble for on the ground. Mark recommends using high quality aerials to do a desktop ground trothing as much as possible.
- SADES system will be available by late October, early November this year – will need to have an Arc online account.

- DOT will own the data, but making it available to towns through the RPCs. T2 will run the trainings. Hoping the towns will help fill in system gaps on town owned roads to get a complete system map of DOT and municipal systems.
- You can download or upload to your system and sync it back to your network. Communities can use the data on the on-line account and can add to it. This information (inlets, outlets, and pipes) can be collected by towns. The DOT state network is already loaded but connecting to the towns will be helpful. There is drainage crossing the town and DOT lines.
- The towns can use the DOT funding to fund RPCs – if it hasn't already been accounted for.

Questions:

- Is there any thought to standardization or guidance on the equipment being used? DOT uses aerial photography and uses their as-builts. The benefit is that towns can concentrate on developing their maps and not be concerned about the data management. You can pick your data-collector (i-pad, enhanced i-pad, triple unit). T2 has the expertise and work study power. DOT plans on using this data scoping out their regulated area.
- Can an accuracy attribute be added on the data? Mark will check in on that. You can add information on your own.
- Are you mapping of privately owned? Not DOT – just what goes into DOT or goes out. That is what they are interested in from the towns.
- Where is DOT on some of the other elements of the MS permit? They have an active permit. They have O& E, construction etc. They are still in a planning phase on how to handle the new permit. IDDE is going to be a big one and the development and redevelopment is starting to work its way through the project development process which can cause 20% overruns. They have a fairly robust construction program already. Housekeeping will be handled by their maintenance folds.
- Are their opportunities to collaborate on the requirements? They have a stormwater outreach trailer, table, videos, do high school construction carrier days and wild NH day. They will send a crew with the table and do a ½ day event. Nelle Dube is the contact. They also do a lot with contractors and certifications.

DOT funds a block grant and the towns identify their needs. The towns have to identify that they want to do the mapping, either do the mapping or collecting. The RPCs will talk to the planners about this.

Jamie Houle- this is suitable for a community that doesn't have resources and gives them a way forward on mapping. Some towns or UNH won't probably fold their information into a cloud-based system.

- Would any community integrate into a cloud-based system? Yes, where we have existing data. The benefit is that you are allowed the more complete stormwater system. The RPCs can take their data and load it into their system.
- Can we host T2 here at a meeting and provide an example or sales pitch so that the communities could understand how that would benefit them and how they would keep control of their stuff? Yes, may need a little more time to prepare.
- It would be great if you could share the data dictionary soon! Chris is working on it now. The hope is to have this started in next may. Hold training in April or early May and have interns get on the ground. Fall is QA QC time.

- How does this meet with the UNH mapping and prioritization? Knowing where the outfall is and where it is connected to some closed drainage system – then how do you prioritize that. There are a lot of excluded outfalls.
- Are the bridges that fall under the DOT bridge program going to done the same way? Hopefully there will be a good match.

3. **Work Sessions Updates Etc. – Nashua/Manchester Regional Stormwater Coalition Collaborative Approach:** James Houle, UNH Stormwater Center will report on Seacoast Stormwater Coalition next steps and facilitate continued discussion regarding mapping requirements.

Seacoast coalition formed a mapping subcommittee. Had a quick meeting with Shawn Herrick from UNH and focused on Arc Hydro and impaired waters to start. They will circulate a methodology to everyone and are working with NHDES on the impaired waters and linking the assessment units to the impairments. The SSC will help fund pulling in the NHDES data and clipping it to geographic boundaries for communities and MS4s. That base-map becomes the basis for your prioritization and page 2 of the NOI. They know that they have to expand to all waterbodies but want to prioritize the impaired waters first.

Mark uses the data with the impaired waters for “chloride.” They need to use a polygon to drain to that feature. We would provide a base-map taking a list of impairments, attaching to a data layer and using the hydromodeling.

Ted – This is the first step before you actually look at where the assessment units are. Give the communities a base map to focus their attention. Overlay the 303 (d) data to the outfall info and then go deeper.

The issue of what impaired waters list to use is still at 2012 but there is an argument to use the updated list. Part of this effort should include where communities have data or need data for refining the list. This would be a feedback loop on guidance of where to collect data. There is a process that you can defend your decision to not collect data.

Jamie is working on the 303 (d) list and subdrainage area. Nothing with sewers on this map – but that would be phase II of the system mapping. The next stages: review the methodology of which the sub-catchments are viewed in.

Ted – we are working with our AOT to develop a screening layer for impairments with a stormwater layer. NHDES will be updating our own data with the latest impairments. Base mapping accuracy of data of Merrimack was getting better than the USGS data and Merrimack is developing their own layers.

- What would you do with a pig farm that runs into your MS4? You may have to monitor above the pig farm.
- What about shared lakes ½ in MA and ½ in Pelham? You are concerned with what is discharging into *your* water. EPA had responded on focusing on what is in your community that is discharging to the waterbody.

We could merge the DOT (T2) layer with the SSC layer.

4. **Nashua Regional and Southern NH Planning Commissions' Updates on Potential MS4 Services and Ongoing Efforts:** Jen Czysz, Interim Executive Director NRPC and Sylvia von Aulock, Executive Director, SNHPC will provide an update on collaboration efforts and work on potential resources for the two region's communities.

- RPCs and DES will be presenting "Taking the Mystery Out of the MS4 Permit" at the NH Municipal Association conference Nov 15th at 3:15 to 4:30 p.m.
- Sylvia provided some Roadway Parameters handouts. Looking at how many lots that subdivision serves, depending on road curvature and slopes. Amherst had recent discussion about road construction.
- Sylvia showed the SOAK up Rain Video, and the questionnaire. RPCs can do this for you and you can send it as a link to your residents. And you can start collection data. What towns are they are from? Did they watch it? Will they take action? We will send it out to the full group and can include the seacoast. We can adapt it quickly. We will set it up so that you can track your community. The RPCs can meet with Board of Selectman.
- The meeting with EPA – EPA will be willing to participate in the coalitions at request. They have a mapping program with hands-on training to help do mapping. Litchfield (Troy), EPA has not followed-up on the GPS equipment.

5. **Minimum Control Measure (MCM) #4 and MCM #5 Work Session:** James Houle presented on UNH SW Center review talk about Construction Site Stormwater Runoff Control and Stormwater management in New Development and Redevelopment.

MCM #4 – erosion and sediment control during construction sites. Jamie is working with UNH on E & C procedure. It should be a written policy on E & C. Not a program. For example: I will walk the perimeter of the site to make sure that all BMPs are in place. If you do have a third-party inspector, you can make sure you have them follow your guidance. We should all have a stand-alone stormwater regulation. It should be coordinated with AOT standards and incorporated to include it into some regulations in addition to site plan review. This is a separate process, you have a written procedure that this is what my staff is going to look for. This is a little overlap so that someone in your staff is looking at parameter controls. In Amherst the Board of Selectman issue the building permits. So they adopted the regulations with the board of selectman and planning board. They will amend their existing regulations with the SW model ordinance.

MCM #5 – updating your stormwater guidelines. It is simpler to have these discussions with an informed board. Amherst can talk about what they are going through with the group at the next meeting.

6. **Group Discussion:** Discuss whether the combined Nashua and Manchester group will continue and if there is interest in renaming. Barb will send list of towns to Jeremy and he will reach out to everyone on this subject.
7. **Next Meeting Date and Agenda:** Amherst can talk about stormwater regulations. DOT stormwater model and their data. AOT could talk about what the state is doing with stormwater. It is important to not be in conflict with the exiting state regulations. Next meeting: Oct 11th.