

Christina Watersheds Municipal Partnership - MS4 Outreach Review and Continuation of year one (2016-17) Scope of Work:

Two major deliverables:

- 1) A collaborative water quality improvement work plan and funding plan that would be the basis for each participating municipality to meet its stormwater management responsibilities under the Clean Water Act, whether through the municipal separated storm sewer (MS4) program, the total maximum daily load (TMDL) reductions, or the pollution reduction plans required to address all stream impairments.
- 2) Enforceable agreement among participants to guide implementation of the work plan.

Five major activities:

- 1) Coordinating the development of the work plan by convening meetings and maintaining communication with participating municipalities and other stakeholders. This would include monthly meetings of a working group tasked with developing the work plan, making presentations at town board meetings about the initiative, and meeting with other private, non-profit, and governmental stakeholders as needed.
- 2) Documenting the elements of the work plan for the working group, including coordinating the development of technical information about the White Clay Creek watershed needed to develop the work plan including computer modeling and GIS mapping.
- 3) Engaging in a dialogue with state and federal regulators to ensure that the process results in a work plan and enforceable agreements that will meet regulatory requirements.
- 4) Assisting with the development of the enforceable agreements among the participating municipalities. These agreements would outline how decisions would be made and how to fund the work plan activities, as well as outlining what happens when a party fails to meet its obligations set out in the agreements. We have several sample agreements from within the region that we can share with townships.
- 5) Ensuring the alignment of this project with other existing initiatives, including the CWMP partnership and the William Penn Foundation watershed management planning process and coordinate the role of other non-profits active in the watershed to capitalize on their expertise and identify their roles in plan implementation.

Summary of Outcomes and Lessons Learned (Year 1):

Out of the five pilot municipalities in White Clay, two will be pursuing BMP implementation to

meet required reductions, West Grove Borough and New Garden Township.

London Grove, and Avondale have meet their full TMDL load requirements and will not actively be pursuing new BMPs.

West Grove has a sediment load reduction it must meet and the borough has identified locations for two BMPs that will satisfy the needed reductions. One of those projects would be in the headwaters area of a small tributary of the East Branch. We believe implementation of BMPs in this area would benefit the watershed and we would like to work with the borough to make the most of the work on this tributary.

Franklin has stated in its draft TMDL plan that it has met the 10% required reduction based on land use conversion only. The town board has given the engineer permission to calculate load reductions for implemented BMPs prior to 2017. Our interpretation of the TMDL plan instructions would result in a load reduction requirement of about 50,000 lbs of sediment to meet the 10% reduction requirement or 147,000 lbs to meet their full TMDL load reduction requirement. They may meet their load reductions through credit for existing BMPs alone or need to do very little to achieve it.

Ellen reviewed New London and Penn draft TMDL plans as well and they too will need to do some BMP implementation, but it isn't clear in their plans. Penn Township has identified a subdivision for implementation of BMPs. As for New London, our interpretation of the TMDL instructions would result in a load reduction requirement of about 20,000 lbs to meet the 10% reduction requirement or about 78,000 lbs to meet the full TMDL load reduction requirement.

We have not heard anything from London Britain (they were seeking a waiver) and Londonderry does not have a Christina TMDL.

The municipalities were all open to collaboration and all decided to use the modified Christina Mapsheds to do their calculations. No collaborative projects were proposed in the draft TMDL plans. Now that we have a sense of which municipalities need to address load reductions, we can pursue further discussions about collaborative projects, particularly with New Garden, Franklin, and New London. In addition, we would like to engage with municipalities seeking to implement BMPs to ensure that the BMPs that will have the best outcomes for the watershed are selected. There may also be opportunities to collaborate on O&M and permit administration.

The agricultural pilot was the only one that created a collaborative plan with both municipalities working together to reach their required reductions and that plan will serve as a reference for other municipalities wishing to collaborate in the future, plus it will test the waters with DEP.

I am proposing that we continue this municipal outreach and assistance and award a new contract with Ellen for 2017-18 in the amount of \$10,000 from our current budget line for Education (contractual). If we continue to work with the MS4 communities we are in a better

position to facilitate this work and deepen our relationships (and visibility) with the watershed municipalities. Additionally, we can work more closely with the municipalities who need to implement BMPs, including assisting them with finding grants and financing, as well as continuing conversations with DEP. Building on the progress made this year we will hopefully end up with better projects going in the ground versus the piecemealing a bunch of projects that add up to meet their TMDL requirements but may not provide true benefits to the watershed. We would also be in the position to help municipalities create their pollutant reduction plans in 2018 to meet their pathogen impairments.

Break down of current Education budget for committee:

Education Projects	Remaining Funds	Reserved for 17-18 year	Remaining (not earmarked)
Community Outreach/Creek Fest	\$2,868.35	\$1,000 (creek fest)	\$1,868.35 (for additional outreach on other programs besides Creek Fest)
School Projects	\$3,404.63	\$1,750 (AGIS to Stroud, transportation BVM)	\$1,654.63 (for additional school programming)
Graphic Design/Marketing Support (Signage, Guides, Trails 2015-2018)	\$10,252.79	*\$10,000 (use to continue municipal outreach MS4 work)	\$252.79
		*This money was originally earmarked in FY15 for website design (which I did without hiring a consultant), and the graphic design for the CTR program which BC paid for via the Dockstader grant.	