

# Lake George Watershed Coalition

## Project Proposal Submission (Completion) Instructions

Applications for review by the committee should contain the following information:

- **Project / Initiative Title**

English Brook / Rt9N Aqua Swirl Unit

- **Submitting Organization and Contact(s)**

Lake George Association  
Randy Rath  
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(fax) 668-4702    Email: rrath@lakegeorgeassociation.org

- **Lake George Watershed Conference priority**

Clarify the project's alignment with the *LGWC – Future Priorities* document; reference the priority advanced by the project.

This project falls under A-5 – Stormwater Management – Pg. 32 of the Future Priorities of the LGWC.

- **Project Summary (Benefits) Statement**

Include project concept, goals, objectives, deliverables, as well as expected outcomes; identify any critical environmental issues addressed.

Identify the project's environmental benefits as well as its educational and research benefits; include its impact to the watershed. Denote whether the project uses innovative technologies, if it can serve as a model for other projects and/or whether the project uses proven technologies and resources with previously demonstrated success in past practices.

The concept and goal of this project is to treat stormwater runoff before it enters directly into a stream.

The deliverable is to install an Aqua Swirl Concentrator that will remove gross pollutants by the swirl concentrator followed by the fine sediments and water-borne pollutants in the filtration chamber. Currently stormwater carrying sediment and debris is entering directly into English Brook without treatment.

Runoff from this sub-watershed that is covered by about 27% impervious and landscaped surfaces will be treated before it enters English Brook. Infiltration of the stormwater is not practical in this location as shallow soil depths limit any installation of dry wells or other device. This is an excellent project as we are working with the landowner to install the Aqua Swirl unit on their property and they are now able to do something for the health and benefit of Lake George.

- **Project Description**

Describe the project, including deliverables, key resources (labor and non-labor), time line and evaluation measures (success criteria); demonstrate project readiness in terms of staff, resources, project schedule, permits and other funding.

The project is located just east of Rt 9N on the Lochlea Estate. Jarrett Martin Engineering has already completed a study on this 48 acre watershed and has recommended the use of the Aqua Swirl Concentrator. A test pit was completed to confirm that there is enough depth for the unit to be put in place. Runoff, once treated, will continue into the current outfall pipe. We have held a meeting with NYSDOT to ask them about treating additional stormwater runoff that is located on the west side of 9N. They have agreed to the concept and currently are reviewing the plans to make sure all of their needs are met.

Deliverables will be the purchase and installation of the Aqua Swirl Concentrator. This will include tying in the existing stormwater infrastructure from the west side of 9N into the new system on the Lochlea Estate.

We anticipate some additional planning for the final connections with the existing infrastructure based on DOT feedback and we will also need to get a permit from DOT.

The project should be completed in late 2010. Additional funding will come from a match from the LGA.

- **Project Budget**

Provide the project budget information, including major costs (labor and non-labor); identify multi-year funding requirements (e.g. long term O & M) and the potential for phased implementation. Include the % of total budget requested from LGWC and how the local match will be provided.

We are asking for \$80,000 from the LGWC (Based on an early preliminary estimate) with a 50% funding match coming from the LGA.

Aqua Swirl Concentrator - \$70,000  
Additional Stormwater Infrastructure - \$20,000  
Equipment, Labor, Materials, Project Oversight, etc... - \$70,000

The installation of the stormwater infrastructure is a one-time activity. The units will require future maintenance, as they will need to be periodically cleaned out.

This request from the LGWC represents 50% of the total project cost.  
It is 8.8% of the total award of \$900,000.

**Also attached is the Project Assessment Worksheet that contains the evaluation criteria (with weightings) for projects.**