Projects that reduce internal cycling of nutrients (primarily phosphorus) in waterbodies are eligible for non-agricultural nonpoint source abatement and control funding under DEC’s Water Quality Implementation Project (WQIP) grant program. For waterbodies experiencing excessive algae and plant growth, low clarity, or other water quality impairments due to internal cycling of nutrients, in-waterbody best management practices (BMPs) may help to reduce nutrients and result in an improvement in water quality. External loading of nutrients must be controlled or eliminated prior to applying for funding to address internal loading. Destratification systems, dredging, hypolimnetic aeration and hypolimnetic withdrawal have been identified as priority BMPs to control in-lake nutrients. Applicants should refer to this document for general and technical resources that can assist with the WQIP application process.

**Technical Resources**

An in-depth review of priority best management practices can be found in the follow technical documents:

**Destratification Systems for Polymictic Lakes**


**Dredging**


**Hypolimnetic Aeration**

Hypolimnetic Withdrawal


Application Requirements

Applications for in-lake practices must include the following documentation and approvals:

- Completed plan for controlling external sources and documentation that the plan is being implemented;
- Study completed by a qualified professional (e.g. certified lake manager, professional engineer) that identifies significant internal lake loading and justification for the use of the BMP;
- Plan for long term operation and maintenance of the BMP (Destratification, Hypolimnetic Aeration and Withdrawal);
- Appropriate permits must be secured prior to submitting application

General Resources

A general overview of lake management practices to reduce nutrients in lakes can be found in the following guidance documents:

- Diet for a Small Lake: [http://www.dec.ny.gov/chemical/82123.html](http://www.dec.ny.gov/chemical/82123.html)

Additional Online Resources

Harmful Algal Blooms: [http://www.dec.ny.gov/chemical/77118.html](http://www.dec.ny.gov/chemical/77118.html)

CONTACT INFORMATION

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