

CERTIFICATION R97-09/003

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
GENERAL RULE 97 CERTIFICATION OF APPROVAL
AUTHORIZING BACTERIAL AUGMENTATION
IN SURFACE WATERS

In compliance with the provisions of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), and R 323.1097 promulgated thereunder, certain bacterial augmentation products are authorized to be applied to surface waters of the state generally to control sludge/muck build-up, nutrients, and/or odor by individuals submitting a complete Notification of Intent to treat under this certification. The Notification of Intent and instructions for its submittal are available from the Michigan Department of Environmental Quality (MDEQ), Water Bureau, or from the web site at <http://www.michigan.gov/deq> utilizing the MDEQ Site Map. This certification does not authorize any of the following:

- a) The application of bacterial augmentation products other than those previously reviewed and listed as approvable on the Acceptable Michigan Bacterial Augmentation Products list available at <http://www.michigan.gov/deq>.
- b) The application of bacterial augmentation products to surface waters of the state containing state or federal endangered or threatened species pursuant to Part 365, Endangered Species Protection, of Act 451. Information on endangered and threatened species is available at <http://www.michigan.gov/dnr> and <http://web4.msue.msu.edu/mnfi/>.
- c) The application of bacterial augmentation products to waters in a wastewater treatment system covered by a National Pollutant Discharge Elimination System (NPDES) permit or to storm water catch basins.
- d) The application of bacterial augmentation products to control algae, weeds, or other aquatic plant growth or any application to vernal woodland pools, roadside ditches, or wetlands.

The application of bacterial augmentation products to surface waters of the state is authorized by this certification only under the following conditions:

1. The Notification of Intent must be submitted by one of the following entities:
 - (a) A person or entity who owns the property to be treated or who is the bottomland owner of the surface water body.
 - (b) A lake board established under Part 309, Inland Lake Improvements, of Act 451.
 - (c) A state or local government acting under authority of state law.
 - (d) A person who has written authorization to act on behalf of an entity in (a), (b), or (c).

2. The application of bacterial augmentation products shall be conducted according to all pertinent label instructions and additional restrictions identified in this certification, including:
 - Aqua-prep "Enzyme Solution" (Applied Biochemists) – maximum allowable dose is 0.124 gallons per acre foot.
3. The application of the bacterial augmentation products shall be for the control of sludge/muck build-up, nutrients, and/or odor.
4. The bacterial augmentation product must appear on the Acceptable Michigan Bacterial Augmentation Products list available at <http://www.michigan.gov/deg>.
5. The entity submitting the Notification of Intent shall retain records identifying treatment locations, dates of treatment, bacterial augmentation product applicator(s) (if applicable), bacterial augmentation products used at each location, and any written authorization obtained to comply with item 1 for five years from date of treatment. These records shall be available for MDEQ inspection upon request.
6. In the event that any condition of this Certificate of Approval may not be met, the applicant shall immediately notify the district supervisor responsible for the area where the treatment occurred. A list of MDEQ district boundaries, Water Bureau district supervisors, and contact information is provided in Attachment 1.
7. No treatment should occur during or prior to an anticipated rain event or any other period that may produce high water or a flood condition.
8. The issuance of this certification does not authorize violation of any federal, state, or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other MDEQ permits, or approvals from other units of government as may be required by law.

Upon acknowledgement that a complete Notification of Intent has been received, the applicant is authorized to commence bacterial augmentation product treatment in compliance with this certification. Acknowledgement of receipt of the Notification of Intent can be determined at <http://www.michigan.gov/deg> utilizing the MDEQ Site Map or by contacting Ms. Denise Page at 517-335-6969 or by e-mail at paged@michigan.gov.

Issued this 28th day of April 2009, by the MDEQ and shall expire at midnight, December 31, 2009.



Diana Klemans, Chief
Surface Water Assessment Section
Water Bureau

Attachment

Attachment 1

District Supervisor Contacts

DISTRICT	CONTACT	COUNTIES
Cadillac District Office 120 West Chapin Street Cadillac, MI 49601-2158	Mike Stifler stiflerm@michigan.gov 231-876-4475	Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Montmorency, Osceola, Oscoda, Otsego, Presque Isle, Roscommon, Wexford
Grand Rapids District Office State Office Building, 6 th Floor 350 Ottawa Avenue, NW, Unit 10 Grand Rapids, MI 49503-2316	Dave Timm timmd@michigan.gov 616-356-0277	Barry, Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Ottawa
Jackson District Office Jackson State Office Building 301 East Louis Glick Highway Jackson, MI 49201-1556	Jon Russell russellj@michigan.gov 517-780-7847	Hillsdale, Jackson, Lenawee, Monroe, Washtenaw
Kalamazoo District Office 7953 Adobe Road Kalamazoo, MI 49009-5026	Greg Danneffel danneffelg@michigan.gov 269-567-3575	Allegan, Berrien, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, VanBuren
Saginaw Bay District Office 401 Ketchum Bay City, MI 48708	Jon Bloemker bloemkerj@michigan.gov 989-894-6265	Arenac, Bay, Clare, Gladwin, Huron, Iosco, Isabella, Midland, Ogemaw, Saginaw, Sanilac, Tuscola
Lansing District Office P.O. Box 30242 Lansing, MI 48909-7742	Tim Benton bentont@michigan.gov 517-335-4523	Clinton, Eaton, Genesee, Gratiot, Ingham, Lapeer, Livingston, Shiawassee
Southeast Michigan District Office 27700 Donald Court Warren, MI 48092-2793	Hae-Jin Yoon yoohn@michigan.gov 586-753-3750	Macomb, Oakland, St. Clair, Wayne
Upper Peninsula District Office KI Sawyer International Airport & Business Center 420 Fifth Street Gwinn, MI 49841	Steve Casey caseys@michigan.gov 906-346-8535	Alger, Baraga, Chippewa, Delta, Dickenson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft