

CERTIFICATION R97-17/001

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 there under, 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 (DEQ) Water Resources Division, or from the Web site at [http://www.michigan.gov/deq/0,4561,7-135-3313\\_46123\\_46124---,00.html](http://www.michigan.gov/deq/0,4561,7-135-3313_46123_46124---,00.html). This certification **does not** authorize any of the following:

- a) The application of bacterial augmentation products other than those listed as approved on the Acceptable Michigan Bacterial Augmentation Products list, available at [http://www.michigan.gov/deq/0,4561,7-135-3313\\_46123\\_46124---,00.html](http://www.michigan.gov/deq/0,4561,7-135-3313_46123_46124---,00.html).
- 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://mnfi.anr.msu.edu/>, then select "Data Resources," or at [http://www.michigan.gov/dnr/0,4570,7-153-10370\\_12141---,00.html](http://www.michigan.gov/dnr/0,4570,7-153-10370_12141---,00.html).
- c) The application of bacterial augmentation products to storm water catch basins or to waters in a wastewater treatment system covered by a National Pollutant Discharge Elimination System permit.
- d) The application of bacterial augmentation products to control algae, weed, or other aquatic plant growth, or any application to vernal woodland pools, roadside ditches, or wetlands.

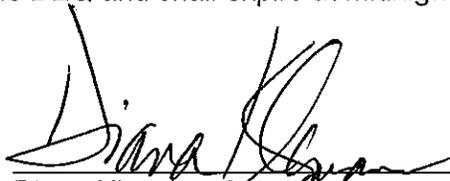
The application of bacterial augmentation products to surface waters of the state is authorized by this certification **only** under the following conditions:

1. A complete 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/deq/0,4561,7-135-3313\\_46123\\_46124---,00.html](http://www.michigan.gov/deq/0,4561,7-135-3313_46123_46124---,00.html).
  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 and amounts 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 DEQ 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 DEQ, Water Resources Division, District Supervisor responsible for the area where the treatment occurred. A list of DEQ district boundaries, Water Resources Division 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 DEQ 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 the water body identified in the Notification of Intent in compliance with this certification. Acknowledgement of receipt of the Notification of Intent can be determined at [http://www.michigan.gov/deq/0,4561,7-135-3313\\_46123\\_46124---,00.html](http://www.michigan.gov/deq/0,4561,7-135-3313_46123_46124---,00.html), then select, "2017 Authorized Bacterial Augmentation Product Applicants," or by contacting Sarah Bowman at 517-284-5528 or e-mail at [bowmans4@michigan.gov](mailto:bowmans4@michigan.gov).

Issued this 26th day of January, 2017, by the DEQ and shall expire at midnight, December 31, 2017.

  
Diana Klemans, Manager  
Surface Water Assessment Section  
Water Resources Division

Attachment

## Attachment 1

**District Supervisor or Representative Contacts**

| <b>DISTRICT</b>   | <b>CONTACT</b>  | <b>COUNTIES</b>  |
|---|---|--|
| <b>Cadillac District Office</b><br>120 West Chapin Street<br>Cadillac, MI 49601-2158  | Brian Jankowski<br>jankowskib@michigan.gov<br>231-429-0982  | Benzie, Grand Traverse, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Osceola, Wexford   |
| <b>Gaylord Field Office</b><br>2100 West M-32<br>Gaylord, MI 49735-9282   | Joseph Haas<br>haasj1@michigan.gov<br>989-330-9252  | Alcona, Alpena, Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Montmorency, Oscoda, Otsego, Presque Isle, Roscommon                       |
| <b>Grand Rapids District Office</b><br>State Office Building, 5 <sup>th</sup> Floor<br>350 Ottawa Avenue NW, Unit 10<br>Grand Rapids, MI 49503-2341 | Luis Saldivia<br>saldivial@michigan.gov<br>616-710-2136   | Barry, Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Ottawa   |
| <b>Jackson District Office</b><br>301 East Louis Glick Highway<br>Jackson, MI 49201-1556  | Tiffany Myers<br>myerst1@michigan.gov<br>517-243-4915   | Hillsdale, Jackson, Lenawee, Monroe, Washtenaw   |
| <b>Kalamazoo District Office</b><br>7953 Adobe Road<br>Kalamazoo, MI 49009-5025   | Kameron Jordan<br>jordank@michigan.gov<br>269-330-8381  | Allegan, Berrien, Branch Calhoun, Cass, Kalamazoo, St. Joseph, Van Buren,  |
| <b>Lansing District Office</b><br>P.O. Box 30242<br>Lansing, MI 48909-7742  | Mary Vanderlaan<br>vanderlaanm@michigan.gov<br>517-243-6948   | Clinton, Eaton, Genesee, Gratiot, Ingham, Lapeer, Livingston, Shiawassee   |
| <b>Saginaw Bay District Office</b><br>401 Ketchum Street, Suite B<br>Bay City, MI 48708-5430  | Charlie Bauer (West Unit)<br>bauerc@michigan.gov<br>989-439-3845<br><br>Brian Rudolph (East Unit)<br>rudolphb1@michigan.gov<br>989-439-6065 | Clare, Gladwin, Iosco, Isabella, Midland, Ogemaw<br><br>Arenac, Bay, Huron, Sanilac, Saginaw, Tuscola                                      |
| <b>Southeast Michigan District Office</b><br>27700 Donald Court<br>Warren, MI 48092-2793  | Hae-Jin Yoon<br>yoonh@michigan.gov<br>586-601-7684  | Macomb, Oakland, St. Clair, Wayne  |
| <b>Upper Peninsula District Office</b><br>1504 West Washington Street<br>Marquette, MI 49855  | Steve Casey<br>caseys@michigan.gov<br>906-235-5771  | Alger, Baraga, Chippewa, Delta, Dickenson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft |