



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
Remediation and Redevelopment Division

REQUEST FOR MIXING ZONE-BASED GSI CRITERIA

This form should be completed with appropriate information, documentation, or narrative to provide the necessary information for EGLE to process the request. Original sources of information, if not supplied, should be appended or clearly referenced.

FACILITY CHARACTERISTICS:

1. The name of the receiving surface water body and the location of the venting groundwater contaminant plume:

This is a: New Increased Existing Loading

Recreational Use: Yes No

If no, provide an explanation of conditions that make recreational use not applicable to site conditions:

Attach map.

2. The location, nature and chemical characteristics of the source of the groundwater contamination plume:

6. If available:

The lowest monthly 95 percent exceedance low flow
at the discharge location: _____ cfs

The harmonic mean flow at the discharge location: _____ cfs

The 90dQ10 flow at the discharge location: _____ cfs

Source: EGLE Low Flow Database

Determined by EGLE Hydraulic Studies Unit (memo attached)

Other (Describe):

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this request and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

Authorized Signature

Date

Name: _____ Title: _____

Authorized signatures:

- For a corporation, a principal executive officer of at least the level of vice president or his designated representative. If the designated representative is responsible for the overall operation of the facility from which the groundwater is venting, the designation of the representative must be in writing from a principal executive officer and provided to EGLE.
- For a partnership, a general partner.
- For a sole proprietorship, the proprietor.
- For a state, municipal, or other public facility, either a principal executive officer, the mayor, village president, city or village manager, or other authorized employee designated in writing from a principal executive officer and provided to EGLE.

If this is a new loading, or increased loading above previously authorized levels, an antidegradation demonstration, which includes the information in numbers 8 and 9 below, or a demonstration of qualification for an exemption under Rule 323.1098(7) or (8), is required.

7. Please check whether there is:

- an antidegradation demonstration (information for 8 and 9) is included or
- a demonstration of qualification for an exemption (Refer to 323.1098(7) or (8) for elements needed for this demonstration).

Please identify who prepared the antidegradation or exemption demonstration:

8. This is a new or increased loading from venting groundwater. The social or economic development and the benefits to the area in which the waters are located that would be foregone if the new or increased discharge is not allowed include:

Employment increases:

Production level increases:

Employment reduction avoidance:

Efficiency increases:

Industrial, commercial, or residential growth:

Economic or social benefits to the community:

Other relevant factors:

If the new or increased loading includes the following bioaccumulative chemicals of concern (BCCs), Chlordane, 4,4'-Dichlorodiphenyldichloroethane, 4,4'-Dichlorodiphenyldichloroethylene, 4,4'-Dichlorodiphenyltrichloroethane, Dieldrin, Hexachlorbenzene, Hexachlorobutadiene, Hexachlorocyclohexanes, alpha Hexachlorocyclohexane, beta-Hexachlorocyclohexane, delta-Hexachlorocyclohexane, Lindane, Mercury, Mirex, Octachlorostyrene, Polychlorinated biphenyls, Pentachlorobenzene, Photomirex, 2,3,7,8-Tetrachlorodibenzodioxin, 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, Toxaphene, complete the following:

9. Please check whether:

- There is no BCC in the discharge.
- BCCs are included in the discharge (information for 10 and 11 is included).

10. The alternatives evaluated and the alternatives to be implemented that will comply with minimizing the discharge of the BCC by implementation of any cost-effective pollution prevention alternatives (such as source control) and techniques reasonably available that would eliminate or significantly reduce the discharge of the BCC are:

11. If pollution prevention alternatives would not eliminate the increased discharge of the BCC, the person making the demonstration must evaluate alternative or enhanced groundwater treatment techniques that would eliminate the discharge of the BCC. The techniques that have a cost that are reasonable relative to the cost of treatment necessary to achieve generic GSI criteria must be implemented. The alternatives evaluated and the alternatives to be implemented that will comply with this requirement are:

This form and the Response Activity Plan should be submitted to EGLE Remediation & Redevelopment Division District Office for the county in which the property is located, unless the response activity is related to a facility that is regulated by another EGLE Division. A district map is located at www.michigan.gov/EGLErrd. If regulated by another division, contact should be made with that division for information on where to submit the form and plan.

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

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This form and its contents are subject to the Freedom of Information Act and may be released to the public.