

4. The discharge rate of the venting groundwater contaminant plume in cubic feet per second (cfs): _____

5. The location of other contaminant plumes entering the receiving surface water body, their constituents and concentrations, if available:

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 : _____ DEQ Low Flow Database _____ Determined by DEQ Hydrologic 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: _____

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 the MDEQ.*
- *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 the MDEQ.*

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: