



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

## Leaking Underground Storage Tank Site Classification Form

Check the scenarios that best apply to the release for each exposure pathway. The site classification for the release is determined by the pathway with the greatest risk. This form must be included in the Initial Assessment Report, Final Assessment Report, Closure Report, and in any report in which a site classification has changed.

### Groundwater Protection Pathway

**Class 1**

A potable well is impacted above acceptable levels.

A potable well is immediately threatened (e.g., a potable well is onsite or on an impacted offsite property and impact of the well is imminent, either due to the proximity of contamination or because the dissolved plume extent and stability have not been determined).

**Class 2**

Groundwater is impacted and **all** the following conditions exist:

- There is a potable well on an impacted property but the well is not immediately threatened (e.g., because the well is in an unimpacted aquifer or in an unimpacted area of the aquifer),
- Sufficient monitoring to demonstrate plume delineation and stability has not been completed, and
- Controls to ensure future protection (if needed) are not in place.

**Class 3**

Groundwater is impacted and **all** the following conditions exist:

- There are no potable wells on impacted properties,
- There are potable wells within 100 feet of the dissolved plume (or within 500 feet of the site property boundary if the extent of the dissolved plume has not been determined), and an evaluation to determine plume stability is not complete.

**Class 4**

Groundwater is impacted but there are no potable wells within 100 feet of the dissolved plume (or 500 feet of the site property boundary if the extent of the dissolved plume has not been determined), and an evaluation of plume stability is not complete, and controls to eliminate future risk (if needed) are not in place.

**Class 5**

The pathway is not complete for current and future use. (Continued on next page)

Representative concentrations are below acceptable levels and the plume is stable or decreasing.

## Surface Water Protection Pathway

**Class 1**

A surface water body is impacted above acceptable levels or groundwater is discharging to a surface water body above acceptable levels.

Nonaqueous-phase liquid (NAPL) or a sheen is present on a surface water body.

A storm sewer is impacted above acceptable levels at the outfall.

Mobile NAPL is in a storm sewer.

**Class 2**

A surface water body is immediately threatened (e.g., groundwater is discharging to surface water below acceptable levels or a surface water body is present on an impacted property) and evaluation of plume extent or stability is not complete.

A storm sewer is impacted or likely impacted but water at the outfall is below acceptable levels and an evaluation to determine if the compounds will naturally attenuate has not been completed.

A storm sewer is at or below the water table within the dissolved plume, and an evaluation of storm sewer impact has not occurred.

**Class 3**

A storm sewer is at or below the water table within 100 feet of the dissolved plume, and an evaluation to determine plume extent or stability is not complete.

**Class 4**

There are no surface water bodies within 100 feet of the dissolved plume (or within 500 feet of the site property boundary if the extent of the dissolved plume has not been determined), and an evaluation of plume stability is not complete.

**Class 5**

The pathway is not complete.

Representative concentrations are below acceptable levels and the plume is stable or decreasing.

## Volatilization to Indoor Air Pathway (VIAP)

### **Class 1**

Vapors at explosive levels or at levels that could cause adverse health effects are present inside a structure.

Mobile NAPL or vapors at explosive levels are present within utilities.

Impacted groundwater has entered an occupied building causing direct volatilization, and indoor air concentrations exceed or are likely to exceed acceptable levels.

NAPL is in contact with an occupied building and corrective actions have not been completed to evaluate risk or prevent unacceptable exposure.

### **Class 2**

Representative subslab soil gas concentrations exceed acceptable levels and there has been no further evaluation of indoor air inhalation risk.

NAPL is within 5 feet of an occupied building and the building has not been further evaluated (e.g., with subslab or soil gas samples).

### **Class 3**

Soil gas concentrations are above acceptable levels and there are occupied buildings within screening distances of impacted media and the buildings have not been further evaluated (e.g., with subslab soil gas samples).

There is an occupied building within applicable screening distances and the building has not been further evaluated (e.g., with subslab soil gas samples).

### **Class 4**

The VIAP risk for current use is acceptable but an evaluation to demonstrate no unacceptable future risk is not complete or a control (if needed) to eliminate future risk is not in place.

### **Class 5**

The pathway is not complete for current and future use.

Representative concentrations are below acceptable levels and the plume is stable or decreasing.

NAPL and groundwater contamination is outside screening distances for existing occupied buildings and reasonable future buildings and the NAPL body and the dissolved plume are stable or decreasing.

## Direct Contact of Surficial Soil And Ambient Air Inhalation Pathways

**Class 1**

Unpaved surficial soil (0 to 2 feet in depth) is impacted above acceptable levels.

Mobile NAPL is present in unpaved surficial soil (0 to 2 feet in depth).

Ambient air concentrations or particulate concentrations from the leaking underground storage tank (LUST) release are above acceptable levels.

**Class 2**

Representative concentrations in unpaved surficial soil (0 to 2 feet in depth) exceed acceptable levels for soil protective of ambient air inhalation or particulate soil inhalation.

**Class 3**

Class 3 is not applicable.

**Class 4**

Representative concentrations in surficial soil (0 to 2 feet in depth) exceed acceptable levels in paved areas of the site and a control to ensure the permanence of the pavement is not in place.

Mobile NAPL is present in surficial soil (0 to 2 feet in depth) that is currently paved and a control to ensure the permanence of the pavement is not in place.

Representative concentrations in surficial soil (0 to 2 feet in depth) exceed acceptable levels for soil protective of ambient air inhalation or particulate soil inhalation in paved areas of the site and a control to ensure the permanence of the pavement is not in place.

**Class 5**

The pathway is not complete for current and future use.

Representative concentrations in surficial soil (0 to 2 feet in depth) are below acceptable levels.

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