

# C&DD Facility Ground Water Evaluation - Priority Criteria



Environmental Protection Agency

Last revised - 8/26/11

FACILITY NAME: \_\_\_\_\_

County: \_\_\_\_\_

Ohio EPA District: \_\_\_\_\_

Approved Health District:  Yes  No If yes, name of district? \_\_\_\_\_

Agency Staff Completing Form: \_\_\_\_\_ Date: \_\_\_\_\_

Please answer the questions below by selecting yes or no, or checking the appropriate box. Please attach documentation when necessary. If you do not know the answer to any of Criteria 4-6, use the most environmentally conservative assumption (i.e. assign the highest score).

## 1. Public Health Criteria

**A. Is the facility located in a designated source water protection (SWAP) area for a public water supply well that is in a hydrogeologic area that has:**

- |   |             |                      |
|---|-------------|----------------------|
| i. High susceptibility to contamination (SWAP rating) | + 75 points | <input type="text"/> |
| ii. Medium susceptibility to contamination            | + 50 points | <input type="text"/> |
| iii. Low susceptibility to contamination              | + 25 points | <input type="text"/> |
| <b>and</b>  |             |                      |
| iv. Within 1-year time-of-travel (TOT)?               | + 25 points | <input type="text"/> |

**B. For a facility not located in a SWAP area,\* is it located within 500 feet of a SWAP area boundary for a public water supply well that is in a hydrogeologic area that has:**

- |  |             |                      |
|--|-------------|----------------------|
| i. High susceptibility to contamination (SWAP rating)? | + 30 points | <input type="text"/> |
| ii. Medium susceptibility to contamination?            | + 20 points | <input type="text"/> |
| iii. Low susceptibility to contamination?              | + 10 points | <input type="text"/> |

\* If a facility is not located within a SWAP area and there are no private water supply wells within the criteria mentioned in 1C below, but a SWAP public water supply well does exist *nearby*, evaluate the SWAP public water supply well as a private well using the criteria in 1C below rather than in 1B.

**C. Distance of the facility from a private water supply well:\***

- |  |             |                      |
|--|-------------|----------------------|
| i. ≤1000 feet upgradient of a private well                         |             |                      |
| High susceptibility to contamination (DRASTIC rating of 140+)      | + 65 points | <input type="text"/> |
| Medium susceptibility to contamination (DRASTIC rating of 100-139) | + 40 points | <input type="text"/> |
| Low susceptibility to contamination (DRASTIC rating of <100)       | + 15 points | <input type="text"/> |
| <b>or</b>  |             |                      |
| ii. ≤500 feet downgradient of a private well                       |             |                      |
| High susceptibility to contamination (DRASTIC rating of 140+)      | + 65 points | <input type="text"/> |
| Medium susceptibility to contamination (DRASTIC rating of 100-139) | + 40 points | <input type="text"/> |
| Low susceptibility to contamination (DRASTIC rating of <100)       | + 15 points | <input type="text"/> |

## 2. Protection of Critical Drinking Water Resources

**Is the facility located over a designated sole source aquifer?**

- |                            |             |                      |
|----------------------------|-------------|----------------------|
| i. Great Miami Aquifer     | + 40 points | <input type="text"/> |
| ii. Catawba Island Aquifer | + 40 points | <input type="text"/> |
| iii. Pleasant City Aquifer | + 40 points | <input type="text"/> |
| iv. Allen County Aquifer   | + 20 points | <input type="text"/> |

## 3. Protection of Aquifers Susceptible to Contamination

**Is the facility overlying or located within any of the following: an unconsolidated aquifer capable of sustaining a yield of 100 gpm for 24 hours to a well?; an area of karst limestone?; a sand and gravel quarry?; a limestone or sandstone quarry?**

- |        |             |                      |
|--------|-------------|----------------------|
| i. Yes | + 20 points | <input type="text"/> |
| ii. No | + 0 points  | <input type="text"/> |

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**4. Conditions Conducive to Ground Water Contamination**

**Is the separation distance between the facility's debris and the first continuous zone of saturation:**

- |                     |             |                      |
|---------------------|-------------|----------------------|
| i. 0 feet?          | + 20 points | <input type="text"/> |
| ii. 0 to 5 feet?    | + 15 points | <input type="text"/> |
| iii. >5 to 10 feet? | + 10 points | <input type="text"/> |
| iv. >10 to 15 feet? | + 5 points  | <input type="text"/> |
| v. >15 feet?        | + 0 points  | <input type="text"/> |

**5. Engineering Controls**

**A. The facility has:**

- |  |             |                      |
|--|-------------|----------------------|
| i. No liner.   | + 20 points | <input type="text"/> |
| ii. Liner under only part of the debris disposal area. | + 10 points | <input type="text"/> |
| iii. Liner under the entire debris disposal area.      | + 0 points  | <input type="text"/> |

**B. The facility has:**

- |  |             |                      |
|--|-------------|----------------------|
| i. No Leachate Collection System (LCS).                | + 20 points | <input type="text"/> |
| ii. A LCS under only part of the debris disposal area. | + 10 points | <input type="text"/> |
| iii. A LCS under the entire debris disposal area.      | + 0 points  | <input type="text"/> |

**6. Ground Water Monitoring**

**A. For facilities with ground water monitoring, has there been an indication of a release to ground water?**

- |   |             |                      |
|---|-------------|----------------------|
| i. Yes, including hazardous constituents          | + 20 points | <input type="text"/> |
| i. Yes, including only non-hazardous constituents | + 10 points | <input type="text"/> |
| ii. No  | + 0 points  | <input type="text"/> |

**B. Facilities with no ground water monitoring** + 10 points

**Raw Score:**

**Adjustments** – See "Details regarding the C&DD Facility Ground Water Evaluation." Raw scores may be adjusted to account for more updated/accurate information or site-specific factors not already captured in the above criteria that may contribute to a potential release and subsequent impact to ground water. Adjustments are intended to be made by Ohio EPA District personnel, in conjunction with the approved health district representative (if applicable), and should also be done in cooperation with Ohio EPA Central Office.

Please describe any adjustments for updated/more accurate information, along with name of personnel and date(s) that changes were made:

Please describe any adjustments for site-specific factors not already captured in the above criteria, along with name of personnel and date(s) that changes were made:

**Adjusted Score:**