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| Minnesota Pollution Control Agency (MPCA), 520 Lafayette Road North, St. Paul, MN 55155-4194 | Hydrogeologic Evaluation Form forDemolition LandfillSolid Waste Permit Program*Doc Type: Permitting Checklist* |

**Instructions:** To get a permit for a new demolition landfill or to renew a permit for an existing demolition landfill, submit the permit application along with this *Hydrogeologic Evaluation Form* to:

**Solid Waste Document Permit Coordinator**

Minnesota Pollution Control Agency

520 Lafayette Road North

St. Paul, MN 55155-4194

For questions about this form or the hydrogeologic requirements for permitting demolition landfills, contact the Minnesota Pollution Control Agency (MPCA) at 651-296-6300 or MPCA staff assigned to your (existing) facility.

1. General Information

|  |  |  |  |
| --- | --- | --- | --- |
| Facility name: |       | Solid waste permit no. (for existing): |       |
| Mailing address: |       |
| City: |       | State: |       | Zip code: |       |
| Form prepared by: |       | Date this form prepared (mm/dd/yyyy): |       |

**Contact information**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name: |       | Phone: |       | Email: |       |

1. Site Information

|  |  |
| --- | --- |
| A. | Legal description of site |
|  | County: |       | Township: |       N | Section: |       | Range: |       W |
|  | Annual waste acceptance rate: |       | [ ]  cubic yards [ ]  tons |
| B. | Project size |
|  | Current, projected size of the footprint (acres): |       |
|  | Projected ultimate capacity: |       | [ ]  cubic yards [ ]  tons |
| C. | Landfill class |
|  | 1. | Does the facility have an MPCA-approved Industrial Solid Waste Management Plan (ISWMP)? [ ]  Yes [ ]  No |
|  | 2. | Please list any wastes accepted by the facility that are not on the Acceptable Construction and Demolition Waste list on page 5 of the *Demolition Landfill Guidance* document dated August 2005 (<http://www.pca.state.mn.us/publications/w-sw5-04.pdf>) |
|  |  |  |
|  | 3. | Additional comments: |
|  |  |  |
|  | **MPCA use only** |
|  |       |

1. Preliminary Site Evaluation Information

|  |  |
| --- | --- |
| A. | Location standards |
|  | 1. | Within a 100-year floodplain? [ ]  Yes [ ]  No |
|  | 2. | Karst features present? [ ]  Yes [ ]  No |
|  | 3. | Wetland delineation undertaken? [ ]  Yes [ ]  No |
|  | 4. | Within a wetland? [ ]  Yes [ ]  No |
|  | 5. | Within 1,000 feet of a lake or 300 feet from a river? [ ]  Yes [ ]  No |
|  | 6. | In proximity to a Wild and Scenic River? [ ]  Yes [ ]  No |
| B. | Soil borings |
|  | Number of borings or test pits: |       |
| C. | Soil, geology |
|  | Description of soils, geology *(attach more information as needed):* |
|  |  |  |
| D. | Seasonal high water table |
|  | 1. | Method used to determine seasonal high water table (SHWT). *(Recommended method: Field notation of where gray mottles, gray matrix colors or redoximorphic additions, e.g., a distinct red, begin. For further reference, see discussion in*  |
|  |  | *Minn.R. 7080 on SHWT*): |       |
|  | 2. | Depth below grade to SHWT: |       |
|  | 3. | Proposed separation distance in feet from base of fill to SHWT: |       |
|  | 4. | Comments: |
|  |  |  |
| E. | Groundwater flow |
|  | 1. | Method used to determine ground-water flow direction: |       |
|  | 2. | Groundwater flow direction: |       |
| F. | **Proximity to water supply wells/other receptors** |
|  | 1. | Water supply wells within one mile of facility? [ ]  Yes [ ]  No  |
|  | 2. | Depth and stratigraphy of wells within one mile of facility *(describe and attach logs):* |
|  |  |  |
|  | 3. | Describe receptor vulnerability *(wells, surface water, etc.):* |
|  |  |  |
| G. | **Groundwater monitoring** |
|  | 1. | Groundwater monitoring already being conducted at your facility? [ ]  Yes [ ]  NoIf yes, describe the monitoring system: |
|  |  |  |
|  | 2. | Describe proposed groundwater monitoring at this facility: |
|  |  |  |
| H. | **Liner** |
|  | 1. | Computer modeling undertaken? [ ]  Yes [ ]  NoIf modeling undertaken, include modeling results, describe: |
|  |  |  |
| I. | **Map(s)** |
|  | 1. | Map(s) attached showing site, test pit, borings, receptors, other site features? [ ]  Yes [ ]  No |
| J. | **Additional comments** |
|  |       |
|  | **MPCA use only** |
|  |       |

1. Summary and Conclusions

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1. Recommendations

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