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| Minnesota Pollution Control Agency (MPCA), 520 Lafayette Road North, St. Paul, MN 55155-4194 | Hydrogeologic Evaluation Form for Demolition Landfill  Solid 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

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| 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  No  If yes, describe the monitoring system: | | | | | | |
|  |  |  | | | | | | |
|  | 2. | Describe proposed groundwater monitoring at this facility: | | | | | | |
|  |  |  | | | | | | |
| H. | **Liner** | | | | | | | |
|  | 1. | Computer modeling undertaken?  Yes  No  If 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** | | | | | | | |
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|  | **MPCA use only** | | | | | | | |
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1. Summary and Conclusions

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1. Recommendations

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