



Date Prepared/Revised
<b>DEP USE ONLY</b>
Date Received

**FORM 51  
 MUNICIPAL WASTE LANDFILL  
 CONSTRUCTION/DEMOLITION WASTE LANDFILL  
 GROUNDWATER ASSESSMENT PLAN**

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 51, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: 273.286 and Federal Regulations, Subtitle D, Appendix I and 11 of Part 258; 277.286.

**SECTION A. SITE IDENTIFIER**

Applicant/permittee:

Site Name:

Facility ID (as issued by DEP):

**SECTION B. REPORT OF ASSESSMENT TRIGGER**

1. Facility Type:
  - Municipal Waste Landfill       Construction/Demolition Waste Landfill
2. Please check applicable assessment trigger:
  - groundwater degradation at a monitoring point.
  - groundwater degradation at a public or private water supply which is reasonably attributable to the landfill.
3. Degradation Incident:
  - a. Monitoring points when degradation was detected and date.  
 \_\_\_\_\_
  - b. Analyte Values that triggered assessment of degradation.  
 \_\_\_\_\_
  - c. Was analyte comparison intrawell/time or upgradient/downgradient?  
 intrawell/time     upgradient/downgradient
  - d. Was statistical analysis performed?  
 Yes     No
4. Exceptions:
 

Within 10 working days after receipt of sample results indicating groundwater degradation, was resampling performed?  
 Yes     No

If yes, Date of Sampling \_\_\_\_\_

Analysis shows to the Department's satisfaction that groundwater degradation has not occurred .  
 Yes     No

Within 20 working days after receipt of sample results indicating groundwater degradation, the operator has demonstrated to the Department's satisfaction that the degradation was caused by earth moving and other activities related to facility construction, or by seasonal variations.  
 Yes     No

If the operator qualifies for exception as indicated above, Parts 5 and 6 need not be completed.

<b>EXHIBIT</b>
<b>BLC 91</b>

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**SECTION B. REPORT OF ASSESSMENT TRIGGER**

5. On attached sheets, the operator shall specify the manner in which the existence, quality, quantity, areal extent, and depth of groundwater degradation will be determined. The means by which the rate and direction of the migration of contaminants will be determined shall also be described in the narrative. The plan shall be prepared under the direction of a Professional Geologist registered and licensed in the Commonwealth of Pennsylvania. The plan shall include the following elements:
  - (a) The number, size, location, casing type, and depth of wells, lysimeters, borings, pits, piezometers, and other assessment structures or devices to be used.
  - (b) The sampling and analytical methods for chemical constituents to be evaluated. For municipal waste landfills, the minimum shall include all Subtitle D, Part 258, Appendix I and Appendix II analytes. Analytical methods which have EQLs that are lower than the MCL must always be employed.
  - (c) The evaluation procedures, including the use of previously gathered groundwater quality information, to determine the concentration, rate, and extent of groundwater degradation from the facility.
  - (d) Identification of the abatement standard that will be met.
  - (e) An implementation schedule.
6. The operator shall list the owner(s) of any private or public water supply that is located within one-half mile downgradient of the disposal area. The operator shall also provide proof of notification. A map shall also be provided showing the locations of the permitted facility and the public or private water supplies.