

Complete this section if the proposed project is for a residential building involving the movement of earth on dry land or within freshwater and/or marine waterways, and/or construction/modification of toilet facilities including on-site sewage disposal systems. Refer to EQPB Regulations Chapter 2401-1 for requirements governing earthmoving operations. Refer to EQPB Regulations Chapter 2401-13 for requirements governing the installation of toilet facilities and on-site sewage disposal systems.

Note: Each of the following questions/requirements has a check box (○). All YES/NO questions MUST be checked, and all others that apply to the applicant's project must also be checked.

Earthmoving Activities

1. Check each of the following activities that will be implemented on the proposed project:

<input type="checkbox"/> Clearing and grading	<input type="checkbox"/> Filling of wetlands or mangroves
<input type="checkbox"/> Excavation on dry land	<input type="checkbox"/> Filling of waterways (marine or freshwater)
<input type="checkbox"/> Filling on dry land	<input type="checkbox"/> Dredging of waterways (marine or freshwater)

2. Attach a copy of the project Erosion and Sediment Control Plan (ESCP) with the following information. The EQPB staff is prepared to assist you in preparing the ESCP.

- A copy of a property map for the area on which the project will be implemented, indicating the lot number, any easements or public right of ways.
- An attached copy of a topographic (contour) map showing existing elevations and final elevations that will result from the proposed project. The map must also show the following:
  - Any adjacent wetlands, mangroves, rivers, streams or shoreline
  - The location(s) of any stockpile areas
  - The location of all existing and new structures, roads and utilities including onsite sewage disposal facilities or connections to sewer lines
  - The location of all erosion control measures such as silt fences and diversion ditches/sediment basins.
- Submit specifications or cut sheets for manufactured erosion control devices such as silt fences and silt curtains showing that these devices are appropriate for use on the project.



Toilet facilities/Onsite sewage disposal

Complete this section if the proposed project involves the installation of toilet facilities with or without an on site sewage disposal system (e.g. septic and leachfield). Refer to EQPB Regulations Chapter 2401-13 for requirements governing the installation of toilet facilities and on-site sewage disposal systems.

1. Indicate the availability of public sewer service in the area of the proposed project (check one only):

Public Sewer System Availability	
<input type="checkbox"/>	Public sewer system within 200 feet horizontal, 20 feet vertical distance from project site. (Use of TYPE I toilet system is REQUIRED, see below).
<input type="checkbox"/>	Public sewer system <u>NOT</u> within 200 feet horizontal, 20 feet vertical distance from project site.

2. Check each type of toilet facility that that will be implemented in the proposed project, both during construction and during operation of the completed facility:

<input type="checkbox"/>	<b>TYPE I</b>	Toilets that are flushed with water and connected to a public sewer system. Submit plans and details for the sewer connection
<input type="checkbox"/>	<b>TYPE II</b>	Toilets that are flushed with water and connected to septic tank and leachfield or other type of onsite sewage disposal system. Submit the following: <input type="checkbox"/> Design calculations for the on-site sewage disposal system performed by a registered professional engineer (PE) or licensed specialty contractor. <input type="checkbox"/> Percolation rate and water table test results. Tests must be performed by a registered Professional Engineer (PE) or a certified contractor. One test must be performed for each on-site disposal system location (i.e. location of leachfield), unless more than one soil type is present at the location, in which case one test must be performed for each soil type at each location. See next page for percolation rate test form. <input type="checkbox"/> Plans for septic tank and on-site sewage disposal system including construction details.
<input type="checkbox"/>	<b>TYPE III</b>	Benjos (also known as a privy, trench latrine or outhouse). Submit sketch showing dimensions of benjo (s) and pit(s).
<input type="checkbox"/>	<b>TYPE IV</b>	Self-contained portable toilets. Submit the manufacturer's information on system characteristics and operational procedures.
<input type="checkbox"/>	<b>TYPE V</b>	Composting toilet Submit design calculations and plans and manufacturer's information if unit is prefabricated.

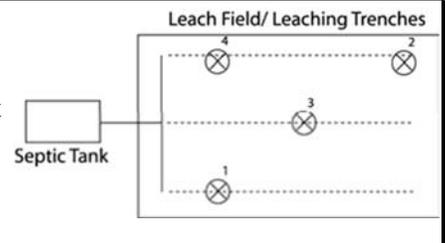
Part II - Combined Residential Earthmoving Permit/Toilet Facilities

A-Res

Percolation Rate Tests

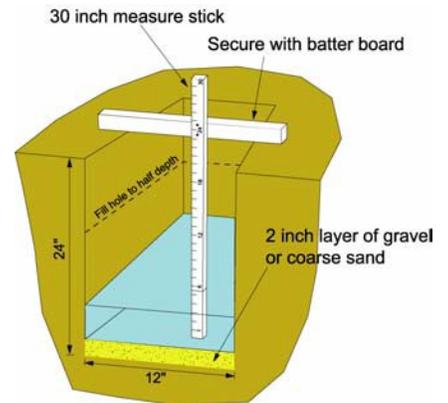
This form must be completed and signed by a contractor or professional engineer if Type II toilet system is being proposed, or the application will be considered incomplete.

For TYPE II systems (septic tank and leach field), perform two tests for leach fields up to 1000 sq. ft., 3 tests for leach fields up to 1500 sq. ft., 4 tests for leach fields up to 2000 sq. ft., see diagram for locations. Consult the EQPB staff for leach field areas above 2000 sq. ft.



Test Procedure

1. Dig a hole measuring 12” wide by 24” deep by a minimum of 18” long. A sample of the soil from the bottom of the hole must be submitted to the EQPB with the completed and signed application.
2. Scrape the sides and bottom of the hole to ensure that all inside surfaces are rough and place 2” of gravel or coarse sand covering the bottom of the hole.
3. Fill the hole half full with clean water and wait a minimum of 4 hours. If the water disappears, refill to half full as necessary.
4. Place a 30 inch long measuring stick with 1 inch demarcations along the entire length vertically into the hole and secure with a batter board so that the stick is stable. The stick should be placed so that the “0 inch” end is at the bottom, and the “30 inch” end is at the top.
5. Put additional water into the hole until it is half full again.
6. Record the water level as “Initial reading”
7. Using a stopwatch, record the water level at 30 minute intervals on the table below for at least 4 hours or until the water disappears, whichever comes first.
8. To calculate the percolation rate, subtract the last reading from the second to last reading and multiply by 2 to give inches per hour.
9. Refill the hole with soil, sign the form and date it to certify its validity.



Test #	Initial	30 min	1 hr	1 hr 30 min	2 hr	2 hr 30 min	3 hr	3 hr 30 min	4 hr	Perc Rate (in/hr)
1										
2										
3										
4										

Certified by (note: falsification of these results is a violation of the EQPB Regulations that can result in civil penalties)

Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_