

# Private Sewage Disposal Permit Application



REGIONAL MUNICIPALITY  
OF WOOD BUFFALO

Permit Type:  Owner  Contractor

Building Permit Number: \_\_\_\_\_

Application Date (M/D/Y): \_\_\_\_\_

Estimated Completion Date (M/D/Y): \_\_\_\_\_

Owner Name: \_\_\_\_\_ Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Alt Phone: \_\_\_\_\_ Email Address: \_\_\_\_\_ Fax: \_\_\_\_\_

Contractor: \_\_\_\_\_ Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Alt Phone: \_\_\_\_\_ Email Address: \_\_\_\_\_ Fax: \_\_\_\_\_

## REGIONAL MUNICIPALITY OF WOOD BUFFALO

Street Address: \_\_\_\_\_ Hamlet: \_\_\_\_\_  
 Unit #: \_\_\_\_\_ Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Plan: \_\_\_\_\_  
 Legal Subdivision: Part of: \_\_\_\_\_ ¼ Sect: \_\_\_\_\_ Twp: \_\_\_\_\_ Rg: \_\_\_\_\_ W of: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
 Directions: \_\_\_\_\_

System Design Criteria (complete all applicable items):  Soil Log Report from two (2) test pits with Soil Analysis Report (attach copy)

Expected Volume of Effluent:  cubic meters per day  gallons per day  litres per day

Project Type:  Commercial (Conventional)  Industrial (Conventional)  Residential (Conventional) Number of bedrooms \_\_\_\_\_  
 Commercial (Advanced)  Industrial (Advanced)  Residential (Advanced) Depth to Water Table \_\_\_\_\_

SITE EVALUATION DIAGRAM: Attach a detailed site diagram including the system location in relation to buildings, distance to water supply and/or surface water bodies, and other pertinent information (AS PER PART 7 OF THE PRIVATE SEWAGE STANDARD OF PRACTICE 2009).

Project Information:  New Installation  Alteration Description of Work: \_\_\_\_\_  
 Components Used:  Septic Tank; Size \_\_\_\_\_  Holding Tank; Size \_\_\_\_\_  Disposal Field; Size \_\_\_\_\_  Lagoon  Packaged Sewage Treatment Plant  
 Sand Filter  Open (surface) discharge  At Grade (variance required)  Treatment Mound; Size \_\_\_\_\_

Permit Applicant Declaration: The permit applicant certifies that this installation will be completed in accordance with the Alberta Safety Codes Act and Regulations and work will commence within 90 days. The permit applicant acknowledges this permit may expire in one (1) year unless extended in writing by a Safety Codes Officer. The permit applicant/owner acknowledges that as per Section 12(2) of the Alberta Safety Codes Act; The Regional Municipality of Wood Buffalo is not liable for any decision related to the system of inspections, examinations, evaluations and investigations including but not limited to a decision relating to their frequency and the manner in which they are carried out. The personal information provided on this form is protected by the Freedom of Information and Privacy Act.

Installer Name (Please print) \_\_\_\_\_ Installer's Signature \_\_\_\_\_ Homeowner's Signature (Homeowner permits only) \_\_\_\_\_

PSDS Certification Number \_\_\_\_\_

Permit Fee: \$ \_\_\_\_\_ \*SCC Levy: \$ \_\_\_\_\_ TOTAL FEE: \$ \_\_\_\_\_  
\*SCC Levy is 4% of the permit fee with a minimum of \$4.50 and a maximum of \$560

### Payment Method:

Visa  M/C  Debit  Cheque  Cash  Authorization / Cheque Number \_\_\_\_\_

Credit Card #: \_\_\_\_\_ Expiry Date: \_\_\_\_\_ Date of Authorization: \_\_\_\_\_

Name of Cardholder: \_\_\_\_\_ Signature of Cardholder: \_\_\_\_\_

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## Permit Terms and Conditions

1. Inspections are required for all permits; and, it is the applicant's responsibility to request the inspection when the work is ready. Contact 780-743-7813 or email inspections@rmwb.ca.
2. Permits will be expired if;
  - a. Work does not commence within 90 days of permit issuance, or
  - b. Work is suspended or abandoned for a period of 120 days, and
  - c. Work is not completed within 1 year from issuance. One-time permit extensions may be granted where applicable.
3. This permit is only applicable to the work detailed in the Description of Work and all other work completed, that is not listed on this permit, will be in non-compliance with the **Alberta Safety Codes Act**.
4. The permit holder is responsible to notify the permit issuer and has the right to cancel the permit. Contact the permit issuer if the following occurs;
  - a. If the permit holder does not intend to complete the undertaking, or
  - b. If there is a change in ownership from the owner as stated on the permit application.
5. The permit issuer has the right to cancel your permit if it is found the permit was issued in error due to incorrect or insufficient information in respect to the permit.
6. There are no refunds on permit fees once the permit has been processed.
7. No person shall deviate or authorize a deviation from a permit, or terms or conditions of a permit, without first obtaining the written permission of the permit issuer.
8. The permit holder will ensure that the construction site is identified.
9. The permitted work requires the approval of a Safety Codes Officer before any part of the building or system is covered or concealed. If required by a Safety Codes Officer, the owner shall uncover and replace at the owner's expense.
10. Permits must be inspected and compliant prior to the use and/or occupancy.
  - a. Commercial, Industrial and Institutional projects must have all the applicable electrical, plumbing, gas and ventilation permits inspected and compliant prior to issuance of the Occupancy Certificate. A final building inspection may be required prior to the issuance of the Occupancy Certificate.
  - b. Residential projects must have the applicable electrical, plumbing, gas, and ventilation permits inspected and compliant prior to the final building occupancy inspection.
11. Residential properties that intend to develop a secondary suite must install a 125 amp or larger electrical service.
12. The installation of CSST gas piping is required to be completed by a certified installer and proof of certification will be required at the time of inspection.
13. Homeowner's that obtain permits must complete the work and will be taking responsibility for ensuring the undertaking complies with the applicable codes and standards. The permit issuer will cancel the Homeowner Private Sewage, Electrical, Plumbing, Ventilation or Gas permit if;
  - a. A contractor is found completing the work.
  - b. You are not the registered owner of the residential premises in which the work is being performed.
  - c. You do not permanently reside 'in' or will reside 'in' the premises.
14. Only the permit applicant, representative of the applicant or owner is permitted to inquire about permit information, receive permit information and request inspections.
15. Re-inspection fees of \$175 will be applied to the permit record and no further inspections will be permitted until the fees have been paid, if;
  - a. The inspector is unable to complete an inspection due to unsafe access, no entry or unable to locate the site.
  - b. Deficiencies from a previous inspection were not corrected at the time of the re-inspection.

### Permit Declaration

The permit applicant/owner acknowledges that the installation will be completed in accordance with the Alberta Safety Codes Act, Permit Regulations, and Regional Municipality of Wood Buffalo Permit Policy. The personal information provided on this form is protected by the **Freedom of Information of Privacy Act**. Your personal information will be used to process your application(s). Please be advised that your name, address and details related to your permit may be included on reports that are available to the public as required or allowed by legislation.

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Applicant Name

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Applicant Signature

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Date



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Private Sewage System Site Evaluation Diagram

Legal Description: \_\_\_\_\_

↑N													<p>Show the proposed location of the onsite sewage system and indicate the distances from the following:</p> <ul style="list-style-type: none"> <li>• trees</li> <li>• floodplains</li> <li>• wells</li> <li>• waste sources</li> <li>• bedrock</li> <li>• outcrops</li> <li>• buildings</li> <li>• property lines</li> <li>• easement lines</li> <li>• ditches or interceptors</li> <li>• banks or steep slopes</li> <li>• fills</li> <li>• driveways</li> <li>• existing sewage systems</li> <li>• underground utilities</li> <li>• soil test pits</li> </ul>
drainage course 	slope direction 		Test Pit 1 <input type="checkbox"/>				Test Pit 2 <input type="checkbox"/>						

Note: Additional information is required to be submitted separately for the system design detail.

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## SITE EVALUATION REPORT

The information requested in this document must be submitted with the permit application as required by the Private Sewage Systems Standard of Practice 2009.

**INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.**

Owner's Name: \_\_\_\_\_

Installer's Name: \_\_\_\_\_

Legal Land Description: \_\_\_\_\_

A detailed diagram of the site where the sewage system will be installed **must** be included. The following information is to be shown on the diagram and must be to scale:

- Property size (in acres)
- All boundary lines including the lengths in feet or meters
- Buildings, roads, driveways and other property improvements; existing or proposed
- Existing easements
- Wells, cisterns or proposed water source locations on the property
- Surface waters, rock outcrops and drainage features
- Topography of the proposed treatment site \*\*
- Soil test pits locations with surface elevations \*\*
- Location of a permanent benchmark and it's elevation \*\*
- Outline of available treatment areas \*\*

\*\* Not required for the installation of a sewage holding tank.

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## SOIL PROFILE REPORTING

The characteristics of each soil profile investigated shall be described using the Canadian System of Soil Classification nomenclature and include the following in the soil profile description

- Soil Horizons** – the distance from the ground surface to the top and bottom of each soil horizon observed shall be measured and distinctness and topography of the horizon boundaries described.
- Soil Color** for each soil lies and identified, the matrix color and quantity, size, contrast, and color of any redoximorphic features present shall be described.
- Texture** for each horizon identified, the soil texture classification including any appropriate texture modifier shall be reflected in this evaluation report and a soil sample of the most restricting layer affecting the design shall be collected and analyzed at a laboratory using a recognized grain or particle size analysis method to determine the texture of the same. **NOTE: Other than Sandy Clay any texture that uses the word SAND in its description must include sand particle size.**
- Soil Structure** and grade of structure identified for each horizon.
- A statement regarding the treatment capability and dispersal capacity of the available site(s).
- Where the soil profile includes features that will require the lateral movement of water through the soil away from the dispersal system, identified constraints on the system design and allowable effluent hydraulic loading rates, as it relates to linear loading rates.
- A summary of the significant limiting conditions of soil profile and site.
- A justification of the locations and number of the soil profiles investigated.
- A description of the development being served including:
  - Characteristics affecting the determination of peak and average wastewater flows to be used in the design,
  - The peak daily wastewater flow volume to be used for the system design, and
  - Anticipated effluent wastewater strength.
- Copies of laboratory soils analysis reports have been attached.
- Number of soil profiles investigated; a minimum of two (2) test pit excavations shall be investigated at the proposed location for the soil-based treatment component to classify and assess the treatment capacity of the soil.
- Minimum depth of soil investigation (choose appropriate depth as per YOUR design).The soil profiles shall be investigated to a minimum depth below ground surface of:
  - 4 feet for Treatment Mounds.
  - 9 feet for Treatment Fields receiving primary treated effluent (septic tank effluent).
  - 6.5 feet for Treatment Fields receiving secondary treated effluent (treatment plant, sand filter effluent)
  - 6 feet for Open Discharge systems.

NOTE: When the site evaluation report is complete the information from the report is to be used to produce your System Design Report. This includes any features that would require peak flow to be increased.

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## Alberta Private Sewage Treatment System Soil Profile Log Form



Owner Name or Job ID											
Legal Land Location						Test pit					
LSD – ¼	Sec	Twp	Rg.	Mer.	Lot	Block	Plan	Easting	Northing		
Vegetation Notes:						Overall Site Slope %					
						Slope position of test pit					
Test Hole No.		Soil Subgroup		Parent Material		Drainage		Depth of Lab (sample #1)		Depth of Lab (sample #2)	
Horizon	Depth (cm) (in)	Texture	Lab or HT	Color	Gleying	Mottling	Structure	Grade	Consistence	Moisture	%Coarse Fragment
Depth to Groundwater:						Limiting Soil Layer Characteristic, describe:					
Depth to Seasonally Saturated Soil:						Depth to Limiting Soil Layer:					
Limiting Topography:						Depth to Highly Permeable Layer:					
Key Limiting Features on System Design:											
Weather Condition Notes:											
Comments (such as root depth and abundance or other pertinent observations):											