

Office Use Only

Submission Date:

Received By:

Folder Number:

Private Sewage Disposal System Permit Application

Detailed Description of Proposed Project: ☐ Work has not started ☐ Work in Progress ☐ Complete

Project Name or Number:

PROJECT ADDRESS

Civic Address:

APPLICANT/CONTRACTOR INFORMATION

Name:

Email:

Address:

Phone:

Category	Type	Required documents to be reviewed and approved by Safety Codes Officer	
<input type="checkbox"/> Residential	<input type="checkbox"/> New	<input type="checkbox"/> Soil Log Report	<input type="checkbox"/> CSA-B66 Certificate
<input type="checkbox"/> Commercial	<input type="checkbox"/> Alteration/Reno	<input type="checkbox"/> Soil Analysis	<input type="checkbox"/> Site Plan
		<input type="checkbox"/> System Diagram	

Submit with Application Completed Site Evaluation and System Design Report as per the current Alberta Private Sewage Systems Standard of Practice

Complete all applicable items:

- ☐ Treatment Mound
Size: _____ (sand layer) _____ Feet² _____ Metres²
- ☐ Disposal Field Size: _____ (trench bottom) _____ Feet² _____ Metres²
- ☐ Water Table Depth: _____ ☐ Feet ☐ Inches
- ☐ Other: _____

- ☐ Packaged Sewage Treatment Plant ☐ Sewage Lagoon ☐ Sand Filter ☐ Open (surface) Discharge

Number of Bedrooms: _____
(Including basement and future development)

Expected Peak Volume of Effluent Per Day: _____
(not to exceed 25 m³/day)

Private Sewage Installer's
Certification Number: PS _____

☐ m³/day ☐ Litres/day ☐ Gallons/day

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The City of Red Deer collects personal information, including name and contact information, for the purpose of providing programs, services and contacting customers in this regard. The City of Red Deer is authorized to collect this personal information under section 33 of the Freedom of Information and Protection of Privacy Act and by section 3 of the Municipal Government Act. Please contact the Inspections & Licensing Manager at The City of Red Deer, 4914 48 Avenue, Red Deer, Alberta, or phone 403-342-8190 if you have questions about this collection of information.

<input type="checkbox"/> Holding Tank Size: _____ Holding Tank Model #: _____ Holding Tank Serial #: _____ Capacity: _____ CSA Cert. No. _____ <input type="checkbox"/> Septic Tank Size: _____ Septic Tank Serial #: _____ Septic Tank Model #: _____ Capacity: _____ CSA Cert. No. _____ <input type="checkbox"/> Effluent Tank <input type="checkbox"/> Settling Tank <input type="checkbox"/> Lift Station	SOIL BASED TREATMENT SUMMARY <input type="checkbox"/> LFH At-Grade <input type="checkbox"/> Chamber System Treatment Field <input type="checkbox"/> Sub-Surface Drip <input type="checkbox"/> Privy (with holding tank) Dispersal <input type="checkbox"/> Enhanced Surface Discharge Depth to Restrictive Layer: _____ <input type="checkbox"/> Meters <input type="checkbox"/> Feet <input type="checkbox"/> Inches Depth to Most Limiting Condition: _____ <input type="checkbox"/> Meters <input type="checkbox"/> Feet <input type="checkbox"/> Inches Limiting Soil Texture: _____ Structure: _____ Grade: _____ Effluent Loading Rate: _____ <input type="checkbox"/> L/day <input type="checkbox"/> Imp.Gal/day Linear Loading Rate: _____ <input type="checkbox"/> L/day <input type="checkbox"/> Imp.Gal/day Soil Infiltration Area Required: _____ <input type="checkbox"/> m ² <input type="checkbox"/> ft ²
Name of Installer (print) _____ Signature of Installer _____	
Signature of this document indicates your compliance with the regulations of the current edition of the Private Sewage Standard of Practice.	
_____ <div style="display: flex; justify-content: space-between;"> Name of Applicant (please print) Signature of Applicant </div>	

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SCO/Permit Issuers Name (please print): _____
 SCO/Permit Issuers Signature: _____
 Designation No.: _____
 Permit Issue Date: _____
 (mm/dd/yy)

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**PRIVATE SEWAGE DISPOSAL SYSTEM
PERMIT APPLICATION
DOCUMENT CHECKLIST**

**THE FOLLOWING DOCUMENTS ARE REQUIRED WITH YOUR COMPLETED PRIVATE SEWAGE DISPOSAL
SYSTEM PERMIT APPLICATION**

TREATMENT FIELD, MOUND, OR LFH AT-GRADE SYSTEMS

- ☐ Peak flow volume calculations for the development including any additional flow fixtures
 - ☐ Site plan – as per current Standard of Practice, Section 7.1 showing placement of system with setbacks noted for property, description of surface features including slope and land, buildings, water source and two (2) soil profile locations
 - ☐ Soil profiles and lab analysis for at least two (2) locations, site specific – including GPS coordinates, depth to limiting and restrictive layers, soil structure and grade
 - ☐ Description of treatment system including a system diagram, piping to tank details, initial treatment (septic tank/treatment plant), piping to and throughout final soil treatment component
 - ☐ Soil Based Treatment system design calculations (with permit application or prior to final inspection)
 - ☐ Tank certification information – CSA/B66 certificate (confirmed by or on final inspection)
 - ☐ Package sewage treatment plant equipment structural requirements and operational certification (if applicable)
 - ☐ Pump, if required by design. Manufacturer and pump curve to ensure flow capacity (confirmed by or on final inspection)
 - ☐ High level alarm (reference made in design and confirmed by or on final inspection)
 - ☐ Filter (reference made in design and confirmed by or on final inspection)
-

HOLDING TANK

- ☐ Expected wastewater volume/day including tank working capacity, bedroom count – current and proposed
 - ☐ Site plan showing placement of system with setbacks noted for property, buildings and water source
 - ☐ Tank certification information – CSA/B66 certificate (confirmed by or on final inspection)
 - ☐ High level alarm (reference made in design and confirmed by or on final inspection)
-

OPEN DISCHARGE SYSTEM

- ☐ Peak flow volume calculations for the development including any additional flow fixtures
 - ☐ Site plan – as per current Standard of Practice, Section 7.1 showing placement of system with setbacks noted for property, description of surface features including slope and land, buildings, water source and one (1) test pit location
 - ☐ Soil profiles and lab analysis for at least one (1) location, site specific – including GPS coordinates, depth to limiting and restrictive layers, soil structure and grade
 - ☐ Description of treatment system from piping to tank details, septic tank/filter, piping to and throughout final soil treatment component
 - ☐ Tank certification information – CSA/B66 certificate (confirmed by or on final inspection)
 - ☐ Pump, if required by design - manufacturer and pump curve to ensure flow capacity (confirmed by or on final inspection)
 - ☐ High level alarm manufacture and model - reference made in design (confirmed by or on final inspection)
 - ☐ Filter - reference made in design and (confirmed by or on final inspection)
-

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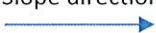
Permit Number: _____

Name: _____

Date: _____

Private Sewage System Site Evaluation Diagram

Legal Description: _____

<div style="position: relative; height: 100%;"> ↑N </div>	<p>Show the proposed location of the onsite sewage system and indicate the distances from the following:</p> <ul style="list-style-type: none"> trees floodplains wells waste sources bedrock outcrops buildings property lines easement lines ditches or interceptors banks or steep slopes fills driveways existing sewage systems underground utilities soil test pits
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>drainage course</p>  </div> <div style="text-align: center;"> <p>Slope direction</p>  </div> <div style="text-align: center;"> <p>Test Pit 1 <input type="checkbox"/></p> </div> <div style="text-align: center;"> <p>Test Pit 2 <input type="checkbox"/></p> </div> </div>	

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

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Permit Number: _____
Name: _____
Date: _____

Alberta Private Sewage Treatment System Soil Profile Log Form

Owner Name or Job ID											
Legal Land Location											
LSD - ¼	Sec	Twp	Rg.	Mer.	Lot	Block	Plan	Easting	Test pit		
									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):											

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