

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		

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

Notwithstanding the issuance of this permit, the City does not assume responsibility that the plans and specifications as filed comply with the Safety Codes Act and Regulations, and the granting of this permit shall in no way relieve the owner of the building or the contractor thereof from complying with the requirements of the Safety Codes Act and Regulations, and any relevant City Bylaws or Provincial or Federal Statutes or Regulations in force.

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 4(c) of the 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.

Holding Tank Size: _____
 Holding Tank Model #: _____
 Holding Tank Serial #: _____
 Capacity: _____ CSA Cert. No. _____

Septic Tank Size: _____
 Septic Tank Serial #: _____
 Septic Tank Model #: _____
 Capacity: _____ CSA Cert. No. _____

Effluent Tank Settling Tank Lift Station

SOIL BASED TREATMENT SUMMARY

LFH At-Grade Chamber System Treatment Field
 Sub-Surface Drip Privy (with holding tank)
 Dispersal Enhanced Surface Discharge

Depth to _____
 Restrictive Layer: Meters Feet Inches

Depth to Most _____
 Limiting Condition: Meters Feet Inches

Limiting Soil Texture: _____ Structure: _____ Grade: _____

Effluent Loading Rate: _____ L/day Imp.Gal/day

Linear Loading Rate: _____ L/day Imp.Gal/day

Soil Infiltration Area Required: _____ m² ft²

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.**

Name of Applicant (please print) _____ Signature of Applicant _____

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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: _____

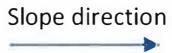
Private Sewage System Site Evaluation Diagram

Legal Description: _____

↑N

Show the proposed location of the onsite sewage system and indicate the distances from the following:

- 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



Test Pit 1

Test Pit 2

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								Test pit			
Legal Land Location											
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):											

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