

Red Deer County Centre
 38106 Range Road 275
 Red Deer County, AB T4S 2L9
 P: 403.350.2170; F: 403.346.9840
 Website: www.rdcountry.ca
 Email: inspections@rdcounty.ca

Permit label

PRIVATE SEWAGE DISPOSAL SYSTEM (PSDS) PERMIT APPLICATION FORM

Permit Applicant: Owner Contractor Application Date: _____
 Other Permits Required (under separate application): Building Electrical Plumbing Gas Estimated Project Completion Date: _____
 Development Permit No.: _____ New Home Warranty No.(if applicable): _____

Owner Name: _____ Mailing Address: _____
 City: _____ Province: _____ Postal Code: _____ Phone: _____
 Cell: _____ Email: _____ Fax: _____

PSDS Contractor Name: _____ Mailing Address: _____
 City: _____ Province: _____ Postal Code: _____ Phone: _____
 Cell: _____ Email: _____ Fax: _____

Hamlet/ Subdivision Name: _____ Tax Roll No.: _____
 Street/Rural Address: _____ Unit: _____ Lot: _____ Block: _____ Plan: _____
 Legal Subdivision: Part of: _____ ¼ Section: _____ Township: _____ Range: _____ West of: _____ M
 Directions: _____

Description of Work: _____
 Submit with Application: Soil Log Report (2 test pits) Soil Analysis System Diagram CSA-B66 Certificate Site Plan/Diagram
 PSDS installation not started PSDS installation in progress PSDS installation complete

TYPE OF OCCUPANCY	INSTALLATION	TREATMENT DISPOSAL METHODS
<input type="checkbox"/> Residential <input type="checkbox"/> Conventional <input type="checkbox"/> Advanced <input type="checkbox"/> Commercial <input type="checkbox"/> Conventional <input type="checkbox"/> Advanced <input type="checkbox"/> Industrial <input type="checkbox"/> Conventional <input type="checkbox"/> Advanced <input type="checkbox"/> Work Camp/No. of Men _____	<input type="checkbox"/> New <input type="checkbox"/> Alteration Expected Volume of Effluent: _____ <input type="checkbox"/> m ³ /day <input type="checkbox"/> Liters/day <input type="checkbox"/> Gallons/day(not to exceed 25 m ³ /day) Total No. of Bedrooms _____ (residential including basement and future development)	Complete all applicable items: <input type="checkbox"/> Septic Tank Size _____ Serial No.: _____ <input type="checkbox"/> Holding Tank Size _____ Serial No.: _____ <input type="checkbox"/> Treatment Mound Size _____ (sand Layer) <input type="checkbox"/> sq ft <input type="checkbox"/> sq m <input type="checkbox"/> Disposal Field Size _____ (trench bottom) <input type="checkbox"/> sq ft <input type="checkbox"/> sq m <input type="checkbox"/> Depth of Water Table _____ <input type="checkbox"/> Feet <input type="checkbox"/> Inches <input type="checkbox"/> Open (surface) Discharge <input type="checkbox"/> Sewage Lagoon <input type="checkbox"/> Packaged Sewage Treatment Plant <input type="checkbox"/> Sand Filter <input type="checkbox"/> Other: _____

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/owner acknowledges that as per Section 12(2) of the Alberta Safety Codes Act, Red Deer County 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. **F.O.I.P. Notification:** Personal information is collected under the authority of Section 33(c) of the Alberta Freedom of Information and Protection of Privacy Act and will be protected under Part 2 of that Act and section 63 of the Safety Codes Act. It will be used for processing permit applications, issuing permits, safety codes compliance monitoring and verification. Questions regarding the collection of personal information can be directed to the F.O.I.P. Coordinator 403.350.2150.

Installer's Name (print) _____ Certified Installer's Signature _____ Homeowner's Signature (homeowner permit only) **Homeowner Declaration: By signing this I hereby certify that I own/will own and occupy this dwelling.**
 Private Sewage Installer's Certification Number: PS: _____ Certification Valid until: _____

Permit Fee: \$ _____ Building Permit No.: _____ File No.: _____ Receipt No.: _____ Region: _____
 *SCC Levy: \$ _____ Cash Debit Credit Card Cheque No.: _____ Invoice No.: IVC
 Total Fee: \$ _____ Credit Card No.: _____ Exp. Date: _____
 *SCC levy 4% of the permit fee with minimum of \$4.50 and a maximum of \$560.00 Name on Credit Card: _____ Signature on Card: _____

FOR OFFICE USE ONLY

Permit Validation Section to be completed by the Plumbing Safety Codes Officer:
 Special Conditions: **Site inspection(s) are required to ensure compliance with the Safety Codes Act of Alberta.**
 Issuing Officer's Name: _____ Issuing Officer's Signature: _____
 Designation No.: _____ Permit Issue Date: _____

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.

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.

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: **NOTE:** *Other than Sandy Clay any texture that uses the word SAND in its description must include sand particle size.*

- 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.

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:



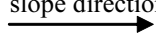


- 4 feet for Treatment Mounds.
- 9 feet for Treatment Fields receiving primary treated effluent (septic tank effluent).
- 6.5 feet for Treatment Fields receiving secondary treated effluent (treatment plant, sand filter effluent)
- 6 feet for Open Discharge systems.

Onsite Sewage System Site Evaluation Lot Diagram Field Sketch and Notes

Project Name:

Lot or Legal Description:

Date:

	<div style="display: flex; justify-content: space-between; padding: 5px;"> <div style="width: 30%;"></div> <div style="width: 40%;"></div> <div style="width: 20%;"></div> </div>											<p>Show the proposed location of the onsite sewage system and the following items indicating their distances from the proposed system:</p> <ul style="list-style-type: none"> trees floodplains wells water sources surface water bedrock outcrops buildings property lines easement lines ditches or interceptors banks or steep slopes fills driveways existing sewage systems underground utilities soil test pit and borehole locations 		
<p>drainage course</p> 					<p>slope direction</p> 			<p>borehole BH 1 </p>				<p>Test Pit P1 </p>		

Comments:

Property line GPS coordinates:
 GPS coordinates of well:
 GPS coordinate of tank:
 GPS coordinates of soil treatment component corners:

Additional information is required separately for the system design detail.

Alberta Private Sewage Treatment System Soil Profile Log Form

Owner Name or Job ID.

Legal Land Location										Test Pit GPS Coordinates	
LSD-1/4	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	Colour	Gleying	Mottling	Structure	Grade	Consistence	Moisture	% Coarse Fragments

Depth to Groundwater	Restricting Soil Layer Characteristic
Depth to Seasonally Saturated Soil	Depth to restrictive Soil Layer
Site Topography	Depth to Highly Permeable Layer Limiting Design

Key Soil Characteristics applied to system design effluent loading

Weather Condition notes:

Comments: such as root depth and abundance or other pertinent observations:



PLANNING & DEVELOPMENT SERVICES

38106 Range Road 275
 Red Deer County, AB T4S 2L9
 Phone: 403.350.2150
 Fax: 403.346.9840

CERTIFIED PRIVATE SEWAGE INSTALLERS

COMPANY NAME	CITY	PHONE NUMBER
PERRY WARNER PLUMBING	DELBURNE AB	403-588-5575
ALBERTA SEPTIC & EXCAVATING INC	DIDSBURY AB	403-559-6729
QUALITY DIRT WORKS	DIDSBURY AB	403-335-3554
THOMPSON DITCHING, D/O 647736 ALBERTA LTD	LACOMBE AB	403-782-5911
ALLISON'S PLBG. & HTG & BROS. TRENCHING	LACOMBE AB	403-782-3112
CASTLE EXCAVATING INC	OKOTOKS AB	403-901-9140
BJ BOBCAT & TRUCKING LTD	RED DEER AB	403-352-2206
SIERRA SEPTIC SOLUTIONS LTD	RED DEER AB	403-341-9888
KRENNY'S EXCAVATING	RED DEER AB	403-352-3190
BRIAN'S EXCAVATION & TRENCHING LTD	RED DEER AB	403-346-5184
ANTLERHILL PLBG. & HTG. INC	RED DEER COUNTY AB	403-392-6520
C.J. PLUMBING & HEATING D/O 1081132 AB LTD	RED DEER COUNTY AB	403-343-8407
MAP SERVICES	RED DEER COUNTY AB	403-392-3125
ASPENWORKS MECHANICAL	RIMBEY AB	403-704-6214
GRIP CONSTRUCTION	RIMBEY AB	403-505-1914
W. BOUWMAN PLUMBING LTD	ROCKY MOUNTAIN HOUSE AB	403-845-4545
ALBERTA BACKHOE SERVICES D/O 1320832 ALBERTA LTD	ROCKY MOUNTAIN HOUSE AB	403-846-5656
THS SEPTIC AND CIVIL SOLUTIONS	ROCKY MOUNTAIN HOUSE AB	403-844-2559
SYLVAN BACKHOE SERVICE	SYLVAN LAKE AB	403-887-5604
MILLER EXCAVATING	DIDSBURY AB	403-507-1534
JABS SERVICES INC.	OLDS, AB	403-586-0160
BASELINE LTD.	ECKVILLE, AB	403-877-7802

For a complete list of certified installers go to: http://www.municipalaffairs.alberta.ca/CP_PrivateSewageContractorList

PRIVATE SEWAGE DESIGNERS

COMPANY NAME	CONTACT NAME	PHONE NUMBER
SENTRY WASTE WATER	DALE MCCLURE	780-975-2835
D & S ENTERPRISES	DANIEL MORRIS	403-652-0348
SOILWORX	CHAD WIDMER	855-201-7767 403-461-6322
DH DESIGNS	DANIEL HORNE	403-598-3271
TEK DESIGNS	TRACEY KRENN	403-352-3113
JABS SERVICES INC.	KEN JABS	403-586-0160

Note: This list is compiled from information provided online through the yellow pages site or other similar online directories. Other firms may exist which may not be on this list. Red Deer County does not endorse any particular firm. Services provided by these firms will vary.