

Sewage System Application Instructions:

1. Complete the application in full:

- This smart form will automatically populate most calculations
- Insert signatures electronically or manually
- Sewage System Designs can be cut and pasted onto the design page or attached as a separate document.

2. Supporting Documents Required:

- Lot Diagram & Sewage System Plan must be accurate and to scale. It must indicate
 north point and show the location of sewage system components (e.g. tanks,
 leaching bed, direction of mantle, etc), locate and show horizontal distance from
 system to adjacent existing or proposed buildings, water supplies (including
 neighbours) existing on-site systems, driveways, centreline of road, side and rear
 property lines, lakes, rivers, springs, water courses, swimming pools, lot
 dimensions and topographic features (e.g. swamps, steep slopes) near system
- Depending on the location, written approval from other governing agencies may be required (ie MTO and/or Conservation Authority)

3. Submitting the application:

• Complete applications can be submitted to **permits@greaternapanee.com** or, if in person, to our front desk between 9:00 am and 4:00 pm, where a receptionist will scan the application, on your behalf.

4. Process:

- Once a complete application has been received an inspector will contact you within 10 business days to advise you of a permit issuance and of fees owing.
- Once the permit has been picked up and fees have been paid, the initial site visit
 will take place to view the test holes, determine the height of the system above
 grade and ensure the placement of the sewage system meets the Ontario Building
 Code requirements. Inspection must be booked at least 3 days prior to requiring
 one.
- A final inspection will be done when the sewage system is installed but not covered.
- A final grading inspection will be done once the sewage system has been backfilled, the slopes stabilized, and the system has been seeded.
- Final paperwork will be emailed or mailed to the owner.

5. Payment:

• Payment, due at time of permit issuance, can be made by cash, debit or cheque.

If you have any questions, please contact us at:

permits@greaternapanee.com

Phone (613) 776-1150 or (613) 354-3351 ext 4008



Application for a Permit to Install a New Sewage System as Result of a Performance Review

This form is authorized under subsection 8(1.1) of the Building Code Act

	For use by	Principal Autl	hority									
Application number:		Permit number (if different):										
Date received:		Roll number:										
	TER NAPANEE	icipality, board of l	health or conservation	authority)								
A. Project information												
Building number, street name				Unit number	Lot/con.							
Municipality	Postal code		Plan number/othe	·								
Project value est. \$			Area of work (m ²)									
B. Purpose of application												
New Construction Addition to an exi	sting building	Alteration	n/repair O De	molition O	Conditional Permit							
Original Review File Number												
	wner or	O Authoriz	zed agent of owne									
Last name	First name		Corporation or pa	artnership								
Street address				Unit number	Lot/con.							
Municipality				Postal code	Province							
Telephone number		Cell numb	Cell number									
Email		1										
D. Owner (if different from applicant)												
Last name	First name		Corporation or pa	ırtnership								
Street address	1		1	Unit number	Lot/con.							
Municipality				Postal code	Province							
Telephone number		Cell number	Cell number									
E-mail		I										

E. Builder (optional)				
Last name	First name	Corporation or partnershi	p (if applicable)	
Street address		!	Unit number	Lot/con.
Municipality			Postal code	Province
-				
Telephone number		Cell number		
Email				
Email				
F. Tarion Warranty Corporation (Ontario	Now Homo Warr	anty Program)		
i. Is proposed construction for a new home				
Plan Act? If no, go to section G.	as defined in the Of	nano new riome warranties		es No
ii. Is registration required under the <i>Ontario</i>	New Home Warrar	nties Plan Act?	П	es No
iii. If yes to (ii) provide registration number	(s):			
G. Required Schedules				
i) Attach Schedule 1 for each individual who rev	iews and takes resp	onsibility for design activities.		
ii) Attach Schedule 2 where application is to cons	struct on-site, install	or repair a sewage system.		
H. Completeness and compliance with ap	plicable law			
i) This application meets all the requirements of Building Code (the application is made in the applicable fields have been completed on the	correct form and by	the owner or authorized agent, a	all U	'es No
schedules are submitted). Payment has been made of all fees that are r regulation made under clause 7(1)(c) of the E application is made.	equired, under the a Building Code Act, 1	applicable by-law, resolution or 992, to be paid when the	Y	res No
ii) This application is accompanied by the plans a resolution or regulation made under clause 7			w,	es No
iii) This application is accompanied by the inform law, resolution or regulation made under clau the chief building official to determine whether contravene any applicable law.	se 7(1)(b) of the <i>Bu</i>	ilding Code Act, 1992 which enal	ble Ш'	res No
iv) The proposed building, construction or demol	ition will not contrav	ene any applicable law.	Y	es No
I. Declaration of applicant				
			de	clare that:
(print name)				
 The information contained in this applic documentation is true to the best of my If the owner is a corporation or partners 	knowledge.			er attached
	17		·	
Date	Signatu	ure of applicant		_

Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 2nd Floor. Toronto, M5G 2E5 (416) 585-6666.

Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project. A. Project Information Building number, street name Unit no. Lot/con. Municipality Postal code Plan number/ other description B. Individual who reviews and takes responsibility for design activities Name Street address Unit no. Lot/con. Municipality Postal code Province Telephone Cell number Email C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of **Division C**] House HVAC - House **Building Structural Small Buildings Building Services** Plumbing - House Large Buildings Detection, Lighting and Power Plumbing - All Buildings Complex Buildings Fire Protection On-stie Sewage Systems Description of designer's work D. Declaration of Designer declare that (choose one as appropriate): (print name) I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4.of Division C, of the Building Code. I am qualified, and the firm is registered in the appropriate classes/categories. Individual BCIN: Firm BCIN: I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5 of Division C, of the Building Code. Individual BCIN: ___ Basis for exemption from registration: The design work is exempt from the registration and qualification requirements of the Building Code. Basis for exemption from registration and qualification: I certify that: 1. The information contained in this schedule is true to the best of my knowledge. 2. I have submitted this application with the knowledge and consent of the firm.

NOTE:

1. For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c). of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.

Signature of Designer

Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, issued by the Ontario Association of
Architects. Schedule 1 is also not required to be completed by a holder of a license to practice, a limited license to practice, or a certificate of
authorization, issued by the Association of Professional Engineers of Ontario.

Schedule 2: Sewage System InstallerInformation

A. Project Information													
Building number, street name			Unit number	Lot/con.									
Municipality	Postal code	Plan number/ other descr	iption										
B. Sewage system installer		·											
Is the installer of the sewage system engaged in the business of constructing on-site, installing, repairing, servicing, cleaning or emptying sewage systems, in accordance with Building Code Article 3.3.1.1, Division C? Yes (Continue to Section C) No (Continue to Section E) Installer unknown at time of application (Continue to Section E													
application (Continue to Section E													
C. Registered installer information (where answer to B is "Yes")													
Name			BCIN										
Street address			Unit number	Lot/con.									
Municipality	Postal code	Province	E-mail										
Telephone number	Fax ()		Cell number										
D. Qualified supervisor information (where answer to section B is "Yes")													
Name of qualified supervisor(s) Building Code Identification Number (BCIN)													
E. Declaration of Applicant:													
1				_declare that:									
(print name)													
I am the applicant for the permit submit a new Schedule 2 prior to			er is unknown at time	e of application, I shall									
<u>OR</u>													
I am the holder of the permit to o known.	construct the sew	age system, and am submitt	ing a new Schedule	2, now that the installer is									
I certify that:													
The information contained in this	s schedule is true	to the best of my knowledge).										
2. If the owner is a corporation or p	eartnership, I have	e the authority to bind the co	rporation or partnersl	hip.									
Date		Signature of applicant											

Directions:	Мар:
(Licensed hat the material used in the construction of the sewage system, Building Code, the percolation rate identified on the permit and the rom:	Installer under Section 3.3 of the Building Code Act), verify under the permit herein, meets the requirements of the Ontario
(Name	of pit)
<u>Note:</u> Leaching bed fill means soil used for the construction of copieds, and area beds as prescribed under specific Building Mater equirement for other soils as prescribed by treatment unit manual silt content of leaching bed fill must be included in the analysis.	ials Evaluation Commission authorizations. It may not include a
The Town of Greater Napanee may require you to submit soil sa	mples for analysis.
Licensed Installer's Signature Da	ite
OWNER AUT	HORIZATION
/we,, being the legal	owner(s) of the property described as Lot,
Concession, Parts(s)/Sublot(s)of Plan	, in the Municipality of
, located at Civic	Address, certify
hat	
o Construct or Demolish to The Town of Greater Napanee for th	
Ontario Regulation 332/12, and to act as my/our representative f	or any associated site inspections.
/we certify that all information and material provided for the purp	
we certify that an information and material provided for the purp	rose of this application is accurate.
Signature of Legal Owner(s):	



OFFICE USE ONLY	Application #
Name:	Date Submitted:
Fee #	Fee \$
Renewal Date:	Entered:

SEWAGE SYSTEM

SPECIFICAT												
Structure:	New Existing	Residential Commercial		age system is non-residential, attach a copy of the specifications and plans.								
# of Bedrooms:	Fixture Units: Complete Table 2	Total Finished Area:	Daily Design Se (Q)*:									
		□ Walkout basement			minimum 3600L							
Water Supply:	Proposed Existing	*Backwash water from any water tre Drilled Well Casing Depth m	atment unit (i.e. water softe Dug/Bored/Blaste Sandpoint/Drivepo	d Well Mu	ted for in the sewage system design. nicipal Surface Water stern Shore Well							
Indicate soil types (sa and the high ground (m) Test Pit	oils and, silt, clay), bedrock, water table below.	Holding Tank Capaci (Class 5 Only (minimum of 9	y)	Total distrib Mantle red	ional Leaching Bed: hinimum 40m) pution pipe =m quired Pump required							
0.0 0.3 0.6 0.9 1.2 1.5 Estimated Percolation Rate of Native Soil: T =min/cm		Class 4 Sewage Sy Conventional Leachin Chamber System Lea Filter Media Bed Shallow Buried Trenc Type A Dispersal Bec Type B Dispersal Bec * These sewage systems requ treatment unit certified to the C 600 standard, or a treatment u Supplementary Standard SB-5 Treatment L Level III Service Agreement Prov	g Bed Iching Bed hes * * * * * * * * * * * * *	Total chamber Manufacturer: Model: # of pieces: Mantle rec Filt Loading Are	System Leaching Bed: hinimum 40m) ber length =m quired Pump required ter Media Bed: a:m² atm² ution pipe =m							
Method of Subs	urface Detection:	Service Agreement Pro	vided	Mantle red	quired Pump required							
Magnetic Tracer wire (14 ga	auge plastic coated)	Manufacturer: Model: BMEC Authorization Pro		(m	v Buried Trenches: ninimum 30m) n length =m							
Type A Dis	spersal Bed:	Type B Dispers	al Bed:	Loading	Rate (from Table 3):							
		Stone Layer Area: Linear Loading Rate: 5 Pump Chamber Capacity use only):	60 L/m 40 L/m		÷L/m²/day area (m²)							

SEWAGE SYSTEM CALCULATION PAGE

L A Delle D	! 0	Fl (O)										
1. Daily Do	esign Sew	age Flow (Q)		Tot	al finished area:		_m ² ENTER \	/ALUES	AS REQUIRED			
Table 1 DDS	F for bedro	ooms:	L/da	y (A) For	every 10m ² ove	r 200m², up to	400 m ² :	x 100	= L/day			
Table 2 To	otal fixture	units:		For	every 10m² ove	r 400m², up to	600 m ² :	x 75 =	= L/day			
Each fixtu	ure unit ove	er 20:	x50		•							
		=	L/d	ay (C)	For eve	ery 10m² over (600m²:	x 50 =	L/day			
For total DD	OSF, add (A) to the large	er of (B) or	(C):		(B) Tota	al DDSF for floor	r area:	L/day			
		ı	DDSF (Q):	(A)	+ (B or C)		_	L/day	/ (Q)			
0 1	D 10:			otal length of distribution pi		on time of native or			y Design Sewage Flow			
2. Leaching Conventiona	_	; (m)		,	·	atment Systen	•		,			
L = (Q)		X	(T) =	m	L =	: (Q)	X	(T)	= m			
		200	(-,				300	\				
3. Filter Bo	ed Loadin	g Area (m²)										
If Q > 300	00 L/day, us 00 L/day, us <i>V treatment</i>		÷ 100	Loading Are	a = (Q)	÷	=_		m²			
		t Area (m²)		Contact Arc	0 - (0)	v	(T) _		2			
					a = (Q)native soil; if Contact Are	850			m²			
5. Shallow	/ Buried T	renches (m)		030 1 01	nauve son, ii comact / iic	sa - Loading Aroa, at	se Loading / treation bot	TI Values				
See Tab	ole 4.			L = (Q)	÷	=		m				
	Dispersal	Bed (m²) ≤ 3000 L/day, u	22 O ÷ 7E	Stone Laye	= (Q)	<u>÷</u>	=		m ²			
Storie La	•	> 3000 L/day, u		Sand Layer	= (Q)	Y	(T) =		m^2			
Sand La	•		if T > 15		· · · <u></u>	^						
			use:400	*Use 1	of native soil; if Sand La	ayer area < Stone La	yer area, use Stone La	yer area for b	oothvalues			
7. Type B	Dispersal	Bed (m ²)		Area = (O)	x		x (T) =	m	2			
Linear Loadi	ng Rate:	If T < 24 min, u		Area = (Q) $x (T) = m^2$								
		If T ≥ 24 min, u	se 40 L/m	Pump cham	ber capacity: Q	=	_L					
		s for Bedroon Part 8, Table 8.2.1.3.		Table 2 – Fixture (Ontario Building Code, Division		Table 3 – Loading Rates for Fill Based Absorption Trenches/Filter Beds (Ontario Building Code, Division B, Part 8, Table 8.7.4.1.)						
Bedrooms	L/day	Bedrooms	L/day	Bathroom Group (3-4 piece bathroom)	# of Units	Total	Percolation Time Soil, min		Loading Rates, (L/m²)/day			
	T			Bathtub			1 < T ≤ 20)	10			
_				(with or without shower)		=	20 < T ≤ 3	_	8			
1	750	4	2000	Toilet	x 4.0) =	35 < T ≤ 5	0	6			
				Clothes Washer	x 1.5	i =	T > 50		4			
0	4400	_	0500	Dishwasher	x 1.0) =			ed Trench Length B, Part 8, Table 8.7.3.1.)			
2	1100	5	2500	Laundry Tubs		i =	Percolation Time Soil, min		Length of Distribution Pipe, m			
				Shower Drain	x 1.5	i =			•			
_	4000	Per	500	Sinks	x 1.5	i =	1 < T ≤ 20)	Q/75			
3	1600	bedroom over 5	500	Other	x	=	20 < T ≤ 5	0	Q/50			
				TOTAL	=	_	50 < T < 12	25	Q/30			

SEWAGE SYSTEM PLANS PAGE

APPLICATION NO:	
NAME:	

		_		er co								wa	mp	s, s	tee	p s	lop	es) r	near system. 1 square =													(m /	ft)		DRAW TO SO					
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The Town of Greater Napanee has a duty to protect employees from all forms of harassment and violence while in the workplace. By signing this application, I agree that all dealings with employees will be handled in a respectful and appropriate manner. I further agree that I and/or persons acting on my behalf, will conform to all applicable policies of the Town of Greater Napanee, which can be provided on request. Breach of a policy could result in processing delays, denial of service or other remedies contained in the approved policy.

Thank you for your cooperation	٦.		
Name	Signature	 Date	