

**TECHNOLOGIES BIONEST INC.**  
**(BIONEST TECHNOLOGIES INC.)**

55, 12e Rue  
Shawinigan, Québec G9T 5K7

**CAN/BNQ 3680-600/2009-05-01**  
**M2 (2017-07-18)**

*Onsite Residential Wastewater Treatment Technologies*

Certificate number: **3226**  
Issue date: **2023-07-24**  
Expiry date: **2025-07-31**

**Stand-alone Wastewater Treatment Systems**

**Bionest Model BTT (Two Tanks) and BST (Single Tank)**

Capacity :

Model Designation	Hydraulic Capacity	Primary treatment Minimal Volume	Bionest Reactor Minimal Volume
	L/d	m <sup>3</sup>	m <sup>3</sup>
BTT-1325	1 325	1,3	2,7
BTT-1800	1 800	1,8	3,7
BTT-2250	2 250	2,3	4,6
BTT-2750	2 750	2,8	5,7
BTT-3400	3 400	3,4	7,0
BTT-3900	3 900	3,9	8,1
BTT-4900	4 900	4,9	10,2
BTT-6250	6 250	6,3	12,9
BTT-8900	8 900	8,9	18,4
BTT-10000	10 000	10,0	20,7
BST-1250	1 250	1,3	2,6
BST-1700	1 700	1,7	3,5
BST-2100	2 100	2,1	4,3
BST-2600	2 600	2,6	5,4

**Certificate details**

Treatment class : Class B-IV.

Influent wastewater Temperature: The tests specified in sections 8.3 and 8.4 were carried out with influent wastewater at a minimal controlled temperature of 11 °C ± 1 °C.

Other : The primary treatment can be used with or without effluent pre-filter. For BTT models, the primary treatment can consist of a tank (with or without pre filter) having a partition wall. The minimum retention time for this primary treatment should then be 1.5 days.



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**List of recognized assemblers for concrete tank system**

Brooklin Concrete Products PO BOX 370 Brooklin, Ontario L1M 1B5	Moose Creek Cement Products 16525 Sixth Road Moose Creek, Ontario K0C 1W0	Winona Concrete & Pipe Products 489 Main Street West Grimsby, Ontario L3M 1T4
MacGregor Concrete Products 22 Anderson Street PO BOX 142 Beachburg, Ontario K0J 1C0	Reid's Precast Cement Products 1244 County Road 28, RR# 4 Langton, Ontario N0E 1G0	

**List of recognized assemblers for BTT concrete tank system**

Newmarket Pre-Cast Concrete Product  
20 Victoria Street North  
Uxbridge, Ontario L9P 1N4

Porter's Quality Precast Concrete and Accessories (J. A. Porter Holdings)  
R.R.#1 (4 Washington Street)  
Lucknow, Ontario, N0G 2H0

Roswell Concrete Products  
348 Bishopsgate Rd  
Burford, Ontario N0E 1A0

**List of recognized assemblers for plastic tank system**

Brooklin Concrete Products PO BOX 370 Brooklin, Ontario L1M 1B5	Near North Supply 191 Big Bay Point Road Barrie, Ontario L4N 0M6
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# ANNEX TO THE CERTIFICATE

**TECHNOLOGIES BIONEST INC.**  
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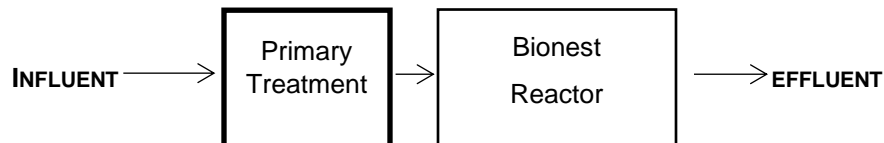
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### PROCESS DIAGRAM OF BIONEST SYSTEM



THE ANNEX IS AN INTEGRAL PART OF THE CERTIFICATE.



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HISTORY	
Date	Modification description
2019-07-03	Certification of models Bionest BTT and BST.
2019-07-24	Update of the certificate according to the modifications M2 of the standard and M1 of the protocol. Certificate correction: BTT-6250-MAC model added.
2019-12-19	Certificate correction: addition of BTT-1325, BST 1250 and BST 1700 models, removal of BTT-1100, BST 1100 and BST 1600 models.
2020-05-12	Addition of a specification to the certificate for BTT models.
2021-07-30	Renewal of certificate.
2021-11-29	Removal of recognized assemblers MacGregor Concrete Products and Near North Supply.
2022-10-27	Addition of recognized assemblers Newmarket Pre-Cast Concrete Product and Porter's Quality Precast Concrete and Accessories for BTT models only.
2023-01-20	Addition of recognized assemblers MacGregor Concrete Products, Near North Supply and Roswell Concrete Products.
2023-05-10	Removal of recognized assembler ESSE Canada.
2023-07-24	Renewal of certificate.

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