



**Bureau de normalisation
du Québec**

BNQ 9922-200/2021

**Drinking Water and Domestic Wastewater
Treatment Technologies —
Performance Validation —
Administrative Procedure**

INFORMATION DOCUMENT

BNQ 9922-200/2021

Drinking Water and Domestic Wastewater
Treatment Technologies — Performance Validation —
Administrative Procedure

*Technologies de traitement de l'eau potable et des eaux usées d'origine domestique —
Validation de la performance — Procédure administrative*



Bureau de normalisation du Québec

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FOREWORD

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CONTENTS

	Page
INTRODUCTION	1
1 PURPOSE	2
2 SCOPE	2
2.1 DRINKING WATER	2
2.2 DOMESTIC WASTEWATER	2
3 NORMATIVE REFERENCES	2
3.1 GENERAL	2
3.2 DOCUMENT FROM A STANDARDS BODY	3
3.3 LAWS, REGULATIONS AND SIMILAR DOCUMENTS	3
3.4 GOVERNMENT DOCUMENTS	3
4 DEFINITIONS	3
5 WATER TREATMENT TECHNOLOGY COMMITTEES	5
6 QUALIFICATION OF EXTERNAL EXPERTS	6
7 APPLICATIONS AND PROCESS	6
7.1 APPLICATIONS MADE TO THE BNQ	6
7.2 VALIDATION OF A TEST PLAN	6
7.3 APPLICATION FOR A NEW TECHNICAL FACT SHEET OR THE MODIFICATION OF AN EXISTING TECHNICAL FACT SHEET	7
7.4 APPLICATION FOR AN ADMINISTRATIVE MODIFICATION TO A FACT SHEET	12
8 RENEWAL OF THE TECHNICAL FACT SHEET	13
8.1 STEPS FOR RENEWAL	13
8.2 INTERNAL EVALUATION OF THE TECHNOLOGY OR DOSING EQUIPMENT	14
8.3 EXTERNAL AUDIT	15
9 REQUEST FOR WITHDRAWAL OF A TECHNICAL FACT SHEET BY THE COMMITTEES	17
10 COMPLAINTS, APPEALS AND RECOURSE RELATED TO VALIDATION APPLICATIONS	17
10.1 COMPLAINTS RELATING TO TECHNICAL PROBLEMS	17
10.2 PROCEDURAL COMPLAINTS	18

ANNEX A —	STEPS OF THE TEST PLAN VALIDATION APPLICATION PROCESS	19
FIGURE A.1 —	FLOWCHART SHOWING TEST PLAN VALIDATION APPLICATION PROCESS	19
ANNEX B —	STEPS OF THE APPLICATION PROCESS FOR A NEW FACT SHEET OR A TECHNICAL MODIFICATION TO A FACT SHEET	20
FIGURE B.1 —	FLOWCHART SHOWING APPLICATION PROCESS FOR A NEW FACT SHEET OR A TECHNICAL MODIFICATION TO A FACT SHEET	20
ANNEX C —	STEPS OF THE PROCESS FOR RENEWING A FACT SHEET	21
FIGURE C.1 —	FLOWCHART SHOWING FACT SHEET RENEWAL PROCESS	21
ANNEX D —	TEST PLAN CHECKLIST	22
ANNEX E —	CTTEP: APPLICANT'S DOCUMENT CHECKLIST	23
ANNEX F —	CTTEU: APPLICANT'S DOCUMENT CHECKLIST	30
ANNEX G —	BIBLIOGRAPHY	37

DRINKING WATER AND DOMESTIC WASTEWATER TREATMENT TECHNOLOGIES — PERFORMANCE VALIDATION — ADMINISTRATIVE PROCEDURE

INTRODUCTION

In Quebec, any project to establish or modify a drinking water production facility or any project to establish or modify a domestic wastewater treatment facility having a capacity greater than 3240 litres per day shall obtain an authorization from the Ministre de l'Environnement et de la Lutte contre les changements climatiques (MELCC) under the *Environment Quality Act* (EQA), prior to implementation.

In order to guide the various stakeholders through this authorization process, the MELCC has placed various reference documents on its website [www.environnement.gouv.qc.ca/index_en.asp] which shall be used by the applicant.

In cases where a technology or its application is new, or is not described in the guides found on the MELCC's website, a Drinking Water Treatment Technologies Committee (Comité sur les technologies de traitement en eau potable) [CTTEP] and a Domestic Wastewater Treatment Technologies Committee (Comité sur les technologies de traitement des eaux usées d'origine domestique) [CTTEU] were established by the MELCC to develop a procedure for validating the performance of drinking water treatment technologies and a procedure for validating the performance of domestic wastewater treatment technologies.

The implementation of technology performance validation procedures has proven necessary for the MELCC to support the analysis of projects as part of the authorization process under the EQA.

The documents *Performance Validation Procedure for Drinking Water Treatment Technologies* and *Performance Validation Procedure for Domestic Wastewater Treatment Technologies* found on the MELCC's website describe the technical steps to be followed to validate the performance of the technology and publish a technical fact sheet on the BNQ's website. This fact sheet will be used by the real estate developer and the MELCC for the analysis of projects as part of the authorization process under the EQA and, if needed, by the Ministère des Affaires municipales et de l'Habitation (MAMH) for the analysis of projects submitted under its financial assistance programs.

The BNQ is mandated by the government to be the administrator of these procedures for validating the performance of drinking water and domestic wastewater treatment technologies. These technical validation procedures are the property of the government and remain under its responsibility. The BNQ oversees the administration, coordinates the committees and publishes technical fact sheets.

1 **PURPOSE**

This administrative document describes the steps to be followed by the applicant to obtain validation of his or her performance test by the CTTEP or the CTTEU of performance tests for the publication by the BNQ of a technical fact sheet regarding a drinking water or domestic wastewater treatment technology.

Technical fact sheets published by the BNQ do not constitute a certification or any other form of accreditation. They indicate the results of the characterization carried out during performance tests of the technology. The committees, the BNQ, and the government cannot be held responsible for the poor performance of a water treatment facility designed according to information contained in a technical fact sheet.

2 **SCOPE**

2.1 **DRINKING WATER**

This document applies to drinking water treatment technologies not described in the reference documents accessible on the MELCC's website.

2.2 **DOMESTIC WASTEWATER**

This document applies to domestic wastewater treatment technologies which meet the following criteria:

- a) the technology or its application is not described in the reference documents accessible on the MELCC's website;
- b) the technology or its application processes wastewater from an isolated dwelling that generates more than 3 240 litres per day, from commercial buildings (for example restaurants), from institutions or from communities.

3 **NORMATIVE REFERENCES**

3.1 **GENERAL**

The references below (including any amendment or errata) are normative references, and are therefore considered mandatory. They are essential to the understanding and use of this document, and are cited in appropriate places in the text.