



# Groundwater protection and monitoring programs for nuclear facilities and uranium mines and mills



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# Contents

Technical Committee on Environmental Management for Nuclear Facilities	5
Subcommittee on Groundwater Protection Programs at Class I Nuclear Facilities and Uranium Mines and Mills	8
Preface	10
<b>0 Introduction</b>	<b>12</b>
0.1 Nuclear facilities and uranium mines and mills	12
0.2 Groundwater protection programs and groundwater monitoring programs	12
0.2.1 General	12
0.2.2 Groundwater protection programs	12
0.2.3 Groundwater monitoring programs	13
0.3 Relationship to ER	13
0.4 Relationship to ERA	14
0.5 Relationship to other programs	14
<b>1 Scope</b>	<b>15</b>
1.1 General	15
1.2 Facilities	15
1.2.1 Types of facilities	15
1.2.2 Facility lifecycle	16
1.3 Operating conditions	16
1.3.1 Monitoring during normal operations	16
1.3.2 Monitoring during accidental releases	16
1.4 Spill response and the management of the spill event	17
1.5 Contaminants and physical characteristics	17
1.6 Monitoring	17
1.6.1 Leak detection	17
1.6.2 Mixed effluent and groundwater	17
1.7 Interpretation of data	17
1.8 Risk management and remediation	17
1.9 Dose assessment methods	18
1.10 Reporting	18
1.11 Terminology	18
1.11.1 General	18
1.11.2 Considerations	18
<b>2 Reference publications</b>	<b>18</b>
<b>3 Definitions and abbreviations</b>	<b>22</b>
3.1 Definitions	22
3.2 Abbreviations	27
<b>4 Goals and objectives of groundwater protection and groundwater monitoring programs</b>	<b>28</b>
4.1 Groundwater protection programs	28
4.1.1 Overall goal	28

4.1.2	General goals	28
4.2	Groundwater monitoring programs general objectives	29
<b>5</b>	<b>Criteria for establishing groundwater protection and groundwater monitoring programs</b>	<b>29</b>
5.1	Groundwater protection programs	29
5.1.1	Implementation	29
5.1.2	Additional considerations	30
5.1.3	Rationale for exception	30
5.2	Groundwater monitoring programs	30
5.2.1	Implementation	30
5.2.2	Additional considerations	30
5.2.3	Design and operation	30
5.2.4	Scope and complexity	30
5.2.5	Rationale for exception	30
<b>6</b>	<b>Design of a groundwater protection program</b>	<b>30</b>
6.1	General	31
6.1.1	General goals	31
6.1.2	Management system	31
6.1.3	Graded approach	31
6.1.4	Considerations for design	31
6.2	Establishing a conceptual site model	31
6.2.1	General	31
6.2.2	Evaluation of sources and potential releases to the surface	33
6.2.3	Characterization of groundwater flow system and contaminant migration	35
6.2.4	Groundwater end-use	38
6.2.5	Groundwater vulnerability	39
6.3	Prevention or minimization of potential releases to groundwater	40
6.3.1	General	40
6.3.2	Secondary containment	40
6.3.3	Underground structures, systems and components degradation	40
6.3.4	Leak detection	40
6.3.5	Long-term waste management facilities	41
6.4	Development of specific groundwater protection goals	41
6.4.1	General	41
6.4.2	Baseline or reference conditions	41
6.4.3	Receptors	41
6.4.4	Potential contamination of soil matrix	42
6.5	Development of a GWMP	42
6.6	Development of other programs associated with groundwater protection	42
<b>7</b>	<b>Design of a groundwater monitoring program</b>	<b>44</b>
7.1	General	44
7.1.1	Objectives	44
7.1.2	Designing to objectives	44
7.2	Systematic planning process for the development of a groundwater monitoring program	44
7.2.1	General	44
7.2.2	Systematic planning process	44
7.2.3	Information required to meet groundwater monitoring program objectives	45

7.3	Selection of monitoring strategy	46
7.3.1	General	46
7.3.2	Monitoring in proximity of a potential release point	47
7.3.3	Monitoring along the downgradient perimeter of a site	47
7.3.4	Monitoring along the groundwater flow path of a contaminant plume	47
7.4	Nuclear and hazardous substances to be monitored	48
7.4.1	General	48
7.4.2	Gross parameters	49
7.4.3	Surrogate parameters	49
7.4.4	Indicator parameters	49
7.5	Boreholes and monitoring wells	50
7.5.1	General	50
7.5.2	Borehole drilling	50
7.5.3	Monitoring well design and installation	51
7.5.4	Borehole logs	52
7.5.5	Retention of borehole logs	52
7.5.6	Monitoring well assessment	52
7.5.7	Maintenance and inspection of monitoring wells	53
7.6	Sampling locations	54
7.6.1	General considerations	54
7.6.2	Monitoring well placement for a new facility or in an unannounced setting	56
7.6.3	Monitoring well placement for assessing an existing plume	56
7.7	Sampling frequency	57
7.7.1	General considerations	57
7.7.2	Sampling frequency for routine groundwater monitoring	57
7.7.3	Sampling frequency for plume monitoring	58
7.8	Supplementary studies and other monitoring activities	59
7.8.1	General	59
7.8.2	Refinement of the conceptual site model	59
7.8.3	Characterization of potential effects from plume discharge	60
<b>8</b>	<b>Sampling and analytical procedures</b>	<b>60</b>
8.1	General	60
8.2	Sampling equipment	61
8.2.1	Equipment selection	61
8.2.2	Sampling equipment	61
8.3	Sample collection	61
8.3.1	Sampling methods	61
8.3.2	In-situ sampling	61
8.3.3	Wastewater	62
8.3.4	Sample storage and transportation	62
8.3.5	Sample integrity	62
8.3.6	Representative samples	62
8.3.7	Sample identification system	62
8.3.8	Sample custody	62
8.3.9	QA/QC sampling	63
8.4	Sample volume, containers, and preservatives	63
8.4.1	General	63
8.4.2	Sample volumes	63

8.4.3	Sample containers and preservatives	64
8.5	Field measurements and sample analysis	65
8.5.1	General	65
8.5.2	Compliance sampling	65
8.5.3	Defining any non-detect level	65
8.5.4	Non-detect level below the evaluation criteria	65
<b>9</b>	<b>Interpretation of data</b>	<b>65</b>
9.1	General	65
9.2	Statistical analysis	65
9.2.1	Non-detectable results	66
9.2.2	Contour maps	66
9.3	Contextual considerations when interpreting results	67
9.4	Data management	67
<b>10</b>	<b>Quality assurance and quality control</b>	<b>68</b>
10.1	General	68
10.1.1	Quality measures and QA program	68
10.1.2	Focus of plan	68
10.1.3	Procedures	68
10.2	QA program personnel	68
10.3	Measurements and QC	68
10.3.1	Equipment maintenance	68
10.3.2	Performance verification	69
10.4	Records	69
<b>11</b>	<b>Reporting, review, and audit</b>	<b>69</b>
11.1	General	69
11.2	Preparation of monitoring reports documenting the GWMP	69
<b>12</b>	<b>Staff qualifications and training</b>	<b>69</b>
<b>13</b>	<b>Documentation</b>	<b>69</b>
13.1	General	69
13.2	Groundwater protection program documentation	70
13.2.1	General	70
13.2.2	Information to document	70
13.3	Groundwater monitoring program documentation	70
13.3.1	Detailed design	70
13.3.2	Sampling and analysis plan	70
13.3.3	Maintenance programs	71
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Annex A	(informative) — Additional guidance for conceptual site models	72
Annex B	(informative) — Development of groundwater evaluation criteria	74

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# Preface

This is the second edition of CSA N288.7, *Groundwater protection and monitoring programs for nuclear facilities and uranium mines and mills*. It supersedes the previous edition published in 2015 under the title *Groundwater protection programs at Class I nuclear facilities and uranium mines and mills*.

Major changes in this edition include:

- a) alignment with the CSA N288 series of Standards; and
- b) improved guidance and clarity.

The purpose of this Standard is to provide requirements and guidance which facilitate groundwater protection and monitoring at nuclear facilities and uranium mines and mills. Compliance with the Standard will allow facilities to demonstrate that they will not pose an unreasonable risk to the environment or the health and safety of humans and non-human biota from groundwater.

The CSA N-Series Standards provide an interlinked set of requirements for the management of nuclear facilities and activities. CSA N286 provides overall direction to management to develop and implement sound management practices and controls while the other CSA nuclear Standards provide specific technical requirements and guidance that support the management system. This Standard works in harmony with CSA N286 and does not duplicate the generic requirements of CSA N286; however, it can provide more specific direction for meeting those requirements.

This Standard addresses the design, implementation, and management of groundwater protection and monitoring programs that incorporate best practices in Canada and internationally.

Users of this Standard are reminded that additional and site-specific requirements might be specified by federal, provincial/territorial, or municipal authorities. This Standard should not be considered a replacement for the requirements contained in any

- a) applicable federal/territorial or provincial statute, including the *Nuclear Safety and Control Act*; or
- b) regulation, licence, or permit issued pursuant to an applicable statute.

This Standard was prepared by the Subcommittee on Groundwater Protection Programs at Class I Nuclear Facilities and Uranium Mines and Mills under the jurisdiction of the Technical Committee on Environmental Management for Nuclear Facilities and the Nuclear Strategic Steering Committee, and has been formally approved by the Technical Committee.

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