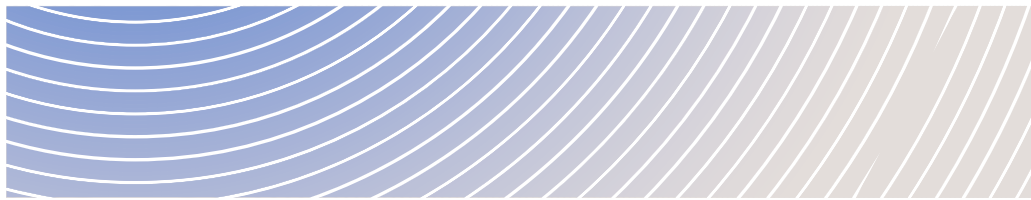


Technical Considerations and References for the Preparation of an Impact Statement



DEEP GEOLOGICAL REPOSITORY (DGR) FOR CANADA'S USED NUCLEAR
FUEL PROJECT

April 10, 2026

DRAFT VERSION



Introduction

To prepare their Impact Statement, proponents must follow the requirements outlined in the project-specific [Integrated Tailored Impact Statement Guidelines](#) (the Integrated Guidelines) issued by the Impact Assessment Agency of Canada (IAAC).

This document provides technical considerations, as well as references to additional resources, to support the preparation of the Impact Statement for the Deep Geological Repository for Canada's Used Nuclear Fuel Project. The proponent may also consult the generic list of resources, which can be found on the IAAC's website at [Technical Considerations and References for the Preparation of an Impact Statement](#).

If Indigenous communities or organizations, the public, government departments or agencies, or other participating stakeholders have other resources to include in this document, they are encouraged to submit those to IAAC during the comment period on the Integrated Guidelines.

It is the responsibility of the proponent to remain aware of updates to these resources after the date that this document is published. The latest version of the resources should be used, as applicable.

Table of References

#	Reference	Applicable Sections of the Integrated Guidelines
Acts and Regulations		
1	Impact Assessment Act , 2019	Section 1, 1.1, 1.2, 1.4, 7, 8, 8.4, 12
2	Nuclear Safety and Control Act , 2000	Section 1
3	Nuclear Energy Act , 1985	Section 1
4	Canadian Environmental Protection Act , 1999	Section 1
5	Nuclear Fuel Waste Act , 2002	Section 2.3.3
6	Species at Risk Act , 2002	Section 2.3.4, 6.1.1, 6.5.1, 6.5.2, 12.1.1

7	Constitution Act , 1982	Section 3, 8.4
8	Fisheries Act , 1985	Section 6.2
9	Migratory Birds Convention Act , 1984	Section 6.3, 12.1.1
10	Migratory Birds Regulations , 2022	Section 6.3.1
11	Highway Traffic Act , 1990	Section 7
12	Packaging and Transport of Nuclear Substances Regulations , 2015	Section 10
13	Transportation of Dangerous Goods Regulations , 2024	Section 10
IAAC Guidance		
14	Generic Requirements for Impact Statements	Section 1.2, 1.3, 3, 4, 9, 11
15	Practitioner's Guide to Federal Impact Assessments	Section 1.3
16	Guidance: Assessment of Potential Impacts on the Rights of Indigenous Peoples , 2021	Section 4, 8.4
17	Description of engagement with Indigenous groups	Section 8
18	Technical Guidance for Assessing Physical and Cultural Heritage or any Structure, Site or Thing under the Canadian Environmental Assessment Act , 2012, 2015	Section 8.1
19	Technical Guidance for assessing the Current Use of Lands and Resources for Traditional Purposes under the Canadian Environmental Assessment Act , 2012, 2015	Section 8.2
20	Policy Context: Assessment of Potential Impacts on the Rights of Indigenous Peoples , 2021	Section 8.4

21	Principles to Guide the Assessment of Impacts to Indigenous Inherent and Treaty Rights	Section 8.4
Tools and Webpages		
22	Canadian Impact Assessment Registry 2025	Section 1.4, 4.1
23	Registry for Abandoned Nests	Section 6.3.1
24	Community Well-Being Index	Section 7.2.1, 7.3.2.1
25	Strategic Assessment of Climate Change 2020	Section 11, 12.1.2
26	Species at risk public registry	Section 12.1.1
27	Bird Conservation Regions (BCRs) and BCR strategies 2014	Section 12.1.1
Other References		
28	First Nations principles of Ownership, Control, Access and Possession	Section 1.3
29	Introduction to the Ecological Land Classification (ELC) 2017 2017	Section 2.2
30	REGDOC – 3.2.2, Indigenous Engagement	Section 3
31	Implementing the United Nations Declaration on the Rights of Indigenous Peoples [Online] 2021	Section 4
32	Moving Forward Together: Process for Selecting a Site for Canada’s Deep Geological Repository for Used Nuclear Fuel	Section 4.1
33	Confidence in Safety – Revell Site – 2023 Update	Section 4.1
34	Mine Environment Neutral Drainage (MEND) report 1.20.1	Section 5.2.1

35	Federal Sediment Quality Guidelines 2024	Section 5.3
36	Guidance for Evaluating Human Health Impacts in Impact Assessment: Radiological Impacts 2023	Section 5.4
37	Guidance for Evaluating Human Health Impacts in Impact Assessments: Noise 2023	Section 5.5, 7
38	Guidance for Evaluating Human Health Impacts in Impact Assessments: Air Quality 2023	Section 5.5, 7
39	Ontario Ministry of the Environment, Conservation, and Parks Environmental Noise Guideline – Stationary and Transportation Sources 2013	Section 5.5
40	Canadian Ambient Air Quality Standards	Section 5.5.1, 5.5.2
41	ISO 12913-1:2014. Acoustics — Soundscape — Part 1: Definition and conceptual framework 2014	Section 5.5.1
42	COSEWIC 2025	Section 6.1.1, 6.5.1, 6.5.2
43	Wetland Ecological Functions Assessment: An Overview of Approaches 2008	Section 6.1.1
44	Project Planning: Applying for a Fisheries Act Authorization	Section 6.2
45	Applicant's Guide Supporting the Authorizations Concerning Fish and Fish Habitat Regulations 2019	Section 6.2
46	Policy for Applying Measures to Offset Harmful Impacts to Fish and Fish Habitat	Section 6.2
47	Pathways of Effects 2021	Section 6.2.2
48	Avoiding harm to migratory birds 2022	Section 6.3

49	Guidelines to reduce risk to migratory birds 2020	Section 6.3
50	General nesting periods for migratory birds 2024	Section 6.3
51	Guidance from Health Canada for Evaluating Human Health Impacts 2023	Section 7
52	Guidance for Evaluating Human Health Impacts in Impact Assessments: Drinking and Recreational Water Quality 2023	Section 7
53	Guidelines for Canadian Drinking Water Quality (GCDWQ) 2025	Section 7.2.2.1
54	Interim Service Standards for Culturally-Relevant Emergency Management Services	Section 9.3
55	General Guidelines for the Preparation of Traffic Impact Studies	Section 10
56	Guidelines for Highway Improvements Associated With Development	Section 10
57	REGDOC-2.11.1, Waste Management, Volume III: Safety Case for the Disposal of Radioactive Waste, Version 2	Section 11
58	CSA N289.2, Ground motion determination for seismic qualification of nuclear power plants 2021	Section 11 “CSA N289 series”
59	CSA N289.3, Design procedures for seismic qualification of nuclear power plants 2020	Section 11 “CSA N289 series”
60	No.SSG9, Seismic Hazards in Site Evaluation for Nuclear Installations 2022	Section 11
61	No. SSG18, Meteorological and Hydrological Hazards in Site Evaluation for Nuclear Installations 2011	Section 11

62	National Building Code of Canada 2025	Section 11
63	CAN/CSA-Z662 standard	Section 11
64	Convention on Biological Diversity	Section 12.1.1
65	Kunming-Montreal Global Biodiversity Framework	Section 12.1.1
66	2030 Nature Strategy 2023	Section 12.1.1
67	Convention on Wetlands of International Importance especially as Waterfowl Habitat (Ramsar) 1981	Section 12.1.1
68	Federal Policy on Wetland Conservation 1991	Section 12.1.1
69	North American Waterfowl Management Plan 1986	Section 12.1.1
70	Convention for the Protection of Migratory Birds in the United States and Canada 1999	Section 12.1.1
71	Canada-United States Air Quality Agreement	Section 12.1.1
72	Canada-US Boundary Waters Treaty	Section 12.1.1
73	<i>Convention on Biological Diversity's</i> Voluntary Guidelines on Biodiversity-Inclusive Impact Assessment	Section 12.1.1
74	Draft technical guide related to the Strategic Assessment of Climate Change: Assessing climate change resilience 2022	Section 12.1.2 “the technical guides related to SACC”
75	Draft Technical Guide Related to the Strategic Assessment of Climate Change: Guidance on quantification of net GHG emissions, impacts on carbon sinks, mitigation measures, and net-zero plan and upstream GHG assessment 2021	Section 12.1.2