Canadian Nuclear Laboratories | Laboratoires Nucléaires Canadiens

NEAR SURFACE DISPOSAL FACILITY PROJECT CONSOLIDATED COMMITMENT LISTS

232-513440-REPT-001

Revision 1

Approved by: Sandra Faught

2021 June 25

S. Faught
Manager, NSDF Regulatory Approvals

Date

UNRESTRICTED

This page is for Content Controls that apply to this document. If no Content Controls apply, none will be listed.

Revision History

Rev. No.	Date	Details of Rev.	Prepared By	Reviewed By	Approved By
1	June 25, 2021	Issued as "Approved for Use" Page number references in Table A-1 updated to reflect minor page number changes between Revision 2 and Revision 3 of the Near Surface Disposal Facility Environmental Impact Statement.	M. Labriola	G. Finely	S. Faught
0	May 27, 2021	Issued as "Approved for Use".	M. Labriola	G. Finely	M. Vickerd
D2	March 19, 2021	Second draft issued for review and comment	M. Labriola	R. San Pedro S. Faught G. Finley M. Vickerd M. Klukas	
D1	Feb 25, 2021	First draft issued for review and comment	M. Labriola	R. San Pedro S. Faught C. Gallagher G. Finley S. Brewer M. Vickerd M. Klukas	

Table of Contents

1. Introduction 5

2. Consolidated Lists of Commitments 5

2.1 Methodology 8

3. Commitment Management 9

4. References 10

Appendix A Consolidated lists of CNL Commitments made in the NSDF Project EIS, in response to Information Requests from the Federal and Provincial Agencies, and in response to comments from the Public 11

Appendix B Consolidated lists of CNL Commitments made in response to comments from Indigenous communities 80

Tables

Table A-1 Commitments in Environmental Impact Statement 11

Table A-2: Commitments in CNL responses to Federal and Provincial Information Requests 47

Table A-3: Commitments in CNL responses to Public comments 61

Table B-1: Commitments in CNL responses to Algonquins of Ontario (AOO) comments..... 80
Table B-2: Summary List of CNL Commitments to AOPFN as of April, 2021..... 84
Table B-3: Commitments in CNL responses to Metis Nation Ontario (MNO) comments..... 90
Table B-4: Commitments in CNL responses to Algonquin Anishinabeg Nation Tribal Council (AANTC), Kitigan Zibi Anishnibag First Nation and Kebaowek First Nation comments..... 93
Table B-5: Commitments in CNL responses to Williams Treaty First Nation (WTFN) comments..... 94
Table B-6: Commitments in CNL responses to Anishnibek Nation comments..... 95
Table B-7: Commitments in CNL responses to Algonquin Nation Secretariat comments..... 96
Table B-8: Commitments in CNL responses to Mohawks of Bay of Quinte First Nation..... 97

1. Introduction

The purpose of the Commitments Report is to capture all the mitigation measures, follow-up program measures and commitments that have been referenced in the Environmental Assessment (EA) documentation in a single location for completeness and traceability.

The report identifies commitments made by Canadian Nuclear Laboratories (CNL) to date in the following documents and submissions:

- The Environmental Impact Statement (EIS) [1],
- Responses to Information Requests from the Federal and Provincial agencies during the EIS review [2], [3], [4], and [5],
- Consolidated table of CNL responses to public and Indigenous groups comments [6], and
- Correspondence with Indigenous communities and organizations (as documented within the Indigenous Engagement Report (IER) [7], and summarized in Section 6 of the EIS [1]).

The report will be updated as necessary after the issuance of the amendment of the *Nuclear Research and Test Establishment Operating Licence for Chalk River Laboratories NRTEOL-01.00/2028* [8] to construct the Near Surface Disposal Facility (NSDF). The update will capture any additional commitments made by CNL representatives that arise during regulatory approval activities (e.g., during the public hearings). The report will also be updated to capture future commitments made by Atomic Energy of Canada Limited (AECL) and/or CNL as it pertains to the NSDF. At present, no AECL commitments are documented in this report.

2. Consolidated Lists of Commitments

For the purpose of this report, commitments are defined as actions committed to a regulatory body, the public or Indigenous community or organization by a CNL authorized representative or accepted by an authorized CNL representative. Commitments are made in written formal submissions to the Canadian Nuclear Safety Commission (CNSC), other regulatory bodies, and public stakeholders.

Commitments made in CNL responses to Information Requests (IR) and public comments are included in this report; each commitment is tabulated in Appendix A. Commitments made to Indigenous communities or organizations are captured as separate tables in Appendix B.

The detailed commitments are shown with the wording as it appears in the source reference.

The tables with the detailed lists of commitments are as follows:

Appendix A:

Table A.1:	Commitments in the Environmental Impact Statement
Table A.2:	Commitments in CNL responses to Federal and Provincial Information Requests
Table A.3:	Commitments in CNL responses to Public comments on the project

Appendix B:

Table B.1:	Commitments in CNL responses to Algonquins of Ontario (AOO) comments
Table B.2:	Summary List of CNL Commitments to AOPFN as of 2021 April
Table B.3:	Commitments in CNL responses to Metis Nation Ontario (MNO) comments
Table B.4:	Commitments in CNL responses to Algonquin Anishinabeg Nation Tribal Council (AANTC), Kitigan Zibi Anishnibag First Nation and Kebaowek First Nation comments
Table B.5:	Commitments in CNL responses to Williams Treaty First Nation (WTFN) comments
Table B.6:	Commitments in CNL responses to Anishnibek Nation comments
Table B.7	Commitments in CNL responses to Algonquin Nation Secretariat comments
Table B.8	Commitments in CNL responses to Mohawks of Bay of Quinte First Nation

All commitments related to the EIS, with the exception of Section 6 and Section 11, are captured in Appendix A (Table A.1) in this report.

Section 6 in the EIS is related to Indigenous Interests. Commitments made and verified by CNL with each Indigenous community and organization are outlined in Appendices B.1 to B.8.

Section 11 in the EIS summarizes elements of the proposed Environmental Assessment Follow-Up Monitoring Program (EAFMP) which is a separate submission to the CNSC in support of the EA process. Therefore, the commitment statements from Section 11 of the EIS or the EAFMP [9] have not been listed individually within this report. All commitment statements listed in both Section 11 of the EIS and in the EAFMP document [9] will be tracked as part of the EAFMP.

The heading titles of each column in the commitment lists are described below:

Column heading	Description
ID	Commitment identification number
EIS-ID	In tables other than the EIS table, the EIS identification number may be included to cross-reference with an existing commitment.
Details of the Commitment	A copy of the commitment made, often with related text to provide context. Some commitments include text in square brackets to add clarifying context.
Section/Table	Lists the Section number where the commitment is referenced in the relevant source document. If the commitment was found in a Table, the Table number is included.
Information Request # (IR #)	The unique identifier of the Information Request (IR) from the CNSC or a Federal/Provincial reviewer.
Comment #	The unique identifier of the comment from the public or Indigenous community or organization.
Project Phase	Indicates which phase of the NSDF Project the commitment applies: • Pre-construction: This phase includes activities that take place before a licence to construct is granted, e.g., licensing, public and indigenous engagement, etc. • Construction: This phase includes all site preparation and construction activities as described in Sections 3.2.1.1 and 3.2.1.2 of the EIS [1]. This phase does not include any radioactive waste placement. • Operations: This phase refers to the period when radioactive waste is being placed into the facility, as described in Section 3.2.2 of the EIS [1]. • Construction and Operations: The phase representing a period spanning both construction and operations. • Multiple/Ongoing: Commitments identified for this phase are expected to occur, and remain ongoing, for multiple phases. • Closure: This phase refers to activities taking place after operations have ceased, and the final cover system has been installed, as described in Section 3.2.3 of the EIS [1].

	• Post-Closure/Institutional Control: This phase refers to activities taking place after the Waste Water Treatment Plant (WWTP) has been decommissioned and demolished, as described in Section 3.2.4 of the EIS [1].
Commitment Tracking Method	Indicates how this commitment will be tracked: • EA Follow-Up Monitoring Program: The commitment falls within the scope of the NSDF-specific EAFMP • Corporate/Site program: The commitment falls within the scope of regulatory requirements and will thus be tracked and/or incorporated into an existing CNL corporate program or Safety Control Area (SCA). Examples of Corporate/Site programs include, but are not limited to: o Public Information Program[1], o Environmental Protection, o Radiation Protection, o Design Authority & Design Engineering, o Security, o Waste Management, etc. • Good Corporate Responsibility: The commitments listed here do not necessarily fall within regulatory requirements or the EAFMP or existing programs, but are made as part of CNL's ongoing activities as good governance or social responsibility.
Corporate/site or NSDF Project-specific commitment	Indicates if the commitment is specific to the NSDF Project or is a CRL site-wide commitment.
Duplicate Cross-Reference	Lists the corresponding EIS entry justifying it's classification as a duplicate entry. Only applies to Table A-1, and only to duplicate entries (coloured grey, at the end of the table).

2.1 Methodology

The methodology used to locate and collect commitments from the EIS, information requests, and public and indigenous comments is as follows:

1. The following words/phrases were searched for:
    a. CNL will

[1] CNL's Public Information Program includes Indigenous engagement

b. CNL is willing
c. CNL commits
d. CNL is committing
e. CNL shall
f. CNL is going, and
g. will

2. The entire sentence or paragraph containing the possible commitment was copied to a spreadsheet database, including details on which Section/Table and page number the commitment is located.

Preliminary searches of the EIS document indicated that there would be thousands of entries based on the word "will" alone. Since only a portion of these instances could be interpreted as commitments, a preliminary screening process is necessary to omit statements that are not commitments. This helps to narrow down a list that accurately represents CNL's commitments and which does not contain superfluous statements.

Where the same commitment was made in multiple locations in the EIS, the additional Section/Table and page numbers were also recorded. These "duplicate" commitments were identified based on the intent of the commitment, and not necessarily the exact wording. Therefore, the wording in the "Details of the Commitment" column may not be identical for all entries listed, but the intent of the commitment has been sufficiently captured.

The lists provided in Appendices A and B include a number of statements or actions to be undertaken by the NSDF Project as part of the normal evolution of the design and construction phase, as well as activities/actions to address the requirements from applicable laws and regulations. Although stated as future actions (using the verb "will" or "shall"), they are not necessarily "commitments" because they are already part of normal operations/processes, or are simply a description of the design. However, many of these future actions have been included in this report for completeness and traceability.

The entries have been colour-coded to simplify their organization:

Grey-colored rows indicate duplicate entries. These commitments are captured elsewhere in the list, and are included for transparency and traceability.

Peach-colored rows indicate factual statements about the design or licensing process of the NSDF Project. These commitments are tracked via the licensing process, and are only included in this report for transparency and traceability.

Green-colored rows indicate broad corporate or policy statements that are not project specific commitments; these are included to ensure transparency and traceability.

3. Commitment Management

Proper identification, tracking, management and completion of commitments is required to allow NSDF Project staff to:

- Meet the applicable regulatory requirements,

- Ensure a common understanding of the commitments that have been made with regulatory agencies, the public, and Indigenous communities; and the criteria for their completion,
- Ensure and demonstrate that regulatory commitments made by the NSDF Project are met,
- Manage commitments in an efficient manner and minimize administrative burden,
- Maintain an accurate record of the completion of commitments for audit and other record keeping purposes, and
- Manage/revise commitments so they remain current, accurate and applicable.

Commitments described in this report will be tracked and managed in accordance with CNL's approved processes and procedures (e.g., ImpAct). The status of commitment tracking will be reported periodically to NSDF Project management through meetings and status reports.

Reporting to CNSC will be performed in accordance with regulatory requirements to be determined in the updated Licence Condition Handbook [8].

4. References

[1] Environmental Impact Statement. 232-509220-REPT-004. Revision 3, 2021 May.

[2] *Consolidated Table of Fed-Provincial Comments on the Draft EIS for NSDF*, 232-509220-055-000, Revision 2, 2020 December.

[3] *CNL Responses to Federal-Provincial Information Requests based on the Revised Environmental Impact Statement (EIS) for the proposed Near Surface Disposal Facility (NSDF) Project*, 232-509220-055-000, Revision 1, 2020 December.

[4] *Canadian Nuclear Laboratories Reponses to Federal-Provincial Review Team Third Round Information Requests on the Revised Draft NSDF EIS*, 232-509220-055-000, Revision 0, 2020 December.

[5] *Canadian Nuclear Laboratories Reponses to Federal-Provincial Review Team Fourth Round Information Requests on the Revised Draft NSDF EIS*, 232-509220-021-000, Revision 0, 2020 December.

[6] *CNL Table Consolidated Public and Indigenous Groups' Comments on NSDF Draft EIS*, 232-509220-021-000, Revision 1, 2020 December.

[7] Indigenous Engagement Report, 232-513130-REPT-001, Revision 5. 2021 May.

[8] Chalk River Laboratories Nuclear Research and Test Establishment Operating Licence. Licence Conditions Handbook. NRTEOL-LCH-01.00/2028. Revision 2.

[9] *Draft Environmental Assessment Follow-Up Monitoring Program for the Near Surface Disposal Facility*. 232-509220-PLA-001, Revision 0. February 2021.

Appendix A Consolidated lists of CNL Commitments made in the NSDF Project EIS, in response to Information Requests from the Federal and Provincial Agencies, and in response to comments from the Public

Table A-1 Commitments in Environmental Impact Statement

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-0	CNL is committed to ensuring that Canadians and the world receive energy, health and environmental benefits from nuclear science and technology with confidence that nuclear safety and security are assured.	1.3.1	1-11	Multiple/Ongoing	Corporate/Site program	Corporate/Site-wide	
EIS-1	As part of the waste acceptance process, CNL will verify the NSDF-bound waste against the submitted documentation.	3.3.2	3-28	Operations	Waste Management	NSDF-specific	
EIS-2	CNL will store information generated from the environmental assessment monitoring and follow-up program in a robust database for future analysis and reporting.	11.1	11-2	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	
EIS-3	CNL will implement these policies on the NSDF Project through project-specific plans and procedures (e.g., Environmental Protection Plan, Radiation Protection Plan, Blasting Plan).	3.5	3-77	Construction and Operations	EA Follow-up Monitoring Program	NSDF-specific	
EIS-4	As site conditions and monitoring dictate, CNL will adaptively manage site practices and monitoring programs to meet the defined objectives.	11.2	11-2	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-5	CNL is committed to conducting all operations in a safe and responsible manner in compliance with the CNL Management System.	3.5.2.10	3-84	Multiple/Ongoing	Corporate/Site program	Corporate/Site-wide	
EIS-6	If an environmental monitoring and follow-up program identifies that adverse environmental effects are greater than predicted, then CNL will evaluate whether they result in changes to the conclusions in this EIS. If changes are confirmed, then CNL will evaluate the need for revised mitigation actions and management practices to manage effects.	11.2 5.56 5.7.9 Table 11.0-1	11-2 5-359 5-724 11-7	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	
EIS-7	Canadian Nuclear Laboratories made four hard copies of the draft EIS publicly available, functionally creating a document repository for the draft EIS volumes. One hard copy of the draft EIS was available at the Deep River Public Library, two copies were made available through two separate branches of the Laurentian Hills Public Library and a French version of the draft EIS was made available through the Rapides-des-Joachim municipal offices. CNL commits to providing hard copies of the final EIS in the same locations.	4.2.12	4-30	Multiple/Ongoing	Public Information Program	NSDF-specific	
EIS-8	CNL is committed to achieving continual improvement in environmental performance through its management systems.	11.2	11-2	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-9	CNL will continue stakeholder engagement efforts to support growth in awareness and understanding of the NSDF Project	4.5	4-38	All	Public Information Program	NSDF-specific	
EIS-10	Recognizing people's interest in understanding and participating in decisions that affect them, CNL will proactively seek, engage and support meaningful discussion with the public and Indigenous peoples on issues and opportunities related to the NSDF Project, including the environmental assessment monitoring and follow-up programs, through CNL's PIP	11.3 5.10.9 5.10.10	11-3 5-862 5-864	Multiple/Ongoing	Public Information Program	NSDF-specific	
EIS-11	Follow-up monitoring will be used to verify predictions made in the final EIS, which will be communicated through CNL's Public Information Program. CNL will continue with these efforts to inform the public on the NSDF Project and address the perception of risk	4.5	4-38	Multiple/Ongoing	Public Information Program	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-12	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	5.10.9 11.3 Table 11.0-1 Table 11.0-1	5-863 11-4 11-11 11-12	Multiple/Ongoing	Public Information Program	Corporate/Site-wide	
EIS-13	CNL will notify local communities of the start of NSDF Project construction.	5.10.5.2.2	5-848	Construction	Public Information Program	NSDF-specific	
EIS-14	Indigenous people have expressed an interest in potential opportunities and CNL will continue to engage with Indigenous peoples on potential employment and contracting opportunities for the NSDF Project.	5.10.6.2.1	5-851	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific	
EIS-15	CNL will continue to provide updated information to interested contractors and suppliers on work packages as they develop	5.10.6.3.1 8.3.9.1	5-852 8-18	Construction	Good Corporate Responsibility	NSDF-specific	
EIS-17	Throughout this [Public Information Program] process, CNL will maintain two-way dialogue between the stakeholder and the NSDF team until the issue is resolved	5.10.9 11.3	5-863 11-4	Multiple/Ongoing	Public Information Program	NSDF-specific	
EIS-21	CNL is committed to continuing to implement mitigation in the Blanding's Turtle Road Mortality Mitigation Plan in the future to reduce Blanding's turtle road mortality to the extent possible. Monitoring of Blanding's turtles at CRL is on-going and will continue, and CNL is committed to implementing adaptive management such that their existing and future operations do not adversely affect Blanding's turtles.	5.6.3.3 5.6.4.9.3 5.6.7.8.1	5-377 5-456 5-583	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-22	CNL is committed to reducing the use of road salt in the RSA	3.4.4.5.2 5.3.1.5.2.1 5.3.2.5.2.1 5.4.2.5.2.1 5.5.5.2.1 5.6.4.11.3 5.6.5.2.1	3-74 5-147 5-197 5-286 5-349 5-473 5-489	Multiple/Ongoing	Maintenance	Corporate/Site-wide	
EIS-23	CNL is committed to developing nesting habitat on the CRL site by building nesting mounds at five Priority 1 culverts (nesting mounds constructed in 2019/2020), and three Priority 3 culverts (nesting mounds to be created after culvert replacement, which will occur when culverts fail); Priority 2 culverts will be replaced when the NSDF Project is approved (see Section 5.6.7.8 for more details).	5.6.4.9.1	5-447	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-25	To mitigate these potential effects, CNL will create new nesting mounds on both sides of Priority 2 culverts after they are replaced. Nest mounds will be monitored weekly during the nesting season and after periods of rain and maintenance of these mounds (e.g., vegetation removal) will also be completed at this time, if females are not present. Additionally, critical habitat will be assessed annually to ensure no significant loss at CRL and to determine compensation measures initiated at CRL or elsewhere.	5.6.7.11.2 5.6.7.8.4 5.6.7.8.1 8.3.5.2	5-604 5-586 5-573 8-15	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide	
EIS-30	Should previously undocumented archaeological resources be discovered, CNL will suspend construction immediately and will engage a licensed consultant to carry out archaeological fieldwork, in compliance with Sec. 48 (1) of the Ontario Heritage Act. If any human remains are identified during construction, CNL will immediately notify the police or coroner and the Registrar of Cemeteries, Ministry of Small Business and Consumer Services and Indigenous peoples.	5.9.5.2.1 5.9.6 Table 5.9.5-1	5-808 5-810 5-806	Construction	Environmental Protection	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-31	CNL will work with Garrison Petawawa to consult with [Indigenous] trappers about their use of the Garrison Petawawa property for trapping activities. CNL will also consult with trappers in the western portion of the RSA to understand any concerns; however, given the distance from the NSDF Project and that terrestrial effects are limited to the CRL site, no effects to trapping in these areas are anticipated.	5.9.5.2.2	5-808	Multiple/Ongoing	Public Information Program	NSDF-specific	
EIS-32	As part of CNL's Public Information Program, CNL will continue to engage with local communities, municipalities and Indigenous peoples, and share the results of the monitoring and follow-up programs recommended for air quality, surface water quality and groundwater quality data through an accessible format (e.g., NSDF Project website), a recognized best practice used by projects with high levels of perceived risk that may have the potential to alter or reduce land and resource use activity without primary or secondary pathways	5.9.6	5-809	Multiple/Ongoing	Public Information Program	NSDF-specific	
EIS-37	CNL will sample the leachate before treatment begins and at several times during the treatment process to ensure that the treatment processes are working as expected. If they are not, CNL can make adjustments to the treatment strategy to deal with the unexpected waste constituents through the use of different ion exchange resins or chemistry changes	Table 3.4.2-3 footnote	3-61	Operations	Conduct of Operations	NSDF-specific	
EIS-38	CNL will competitively procure material and services for the NSDF Project	Table 4.3.1-1 Table 5.10.1-1 Table 5.10.5-1 Table 5.10.10-1	4-34 5-814 5-842 5-865	Construction and Operations	Good Corporate Responsibility	Corporate/Site-wide	
EIS-40	CNL is committing to implement a Sustainable Forest Management Plan to ensure a representative presence of roost trees in the landscape and through time.	Table 5.6.5-1 Table 5.6.5-1 5.6.7.7.4 5.6.7.11.1 5.6.9 Table 5.6.9-1 5.9.4.1.2.3 8.3.5.1 Table 9-1	5-478 5-479 5-572 5-603 5-608 5-610 5-787 8-15 9-10	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-44	If any human remains are identified during construction, CNL will immediately notify Indigenous communities or organizations, as well as the police or coroner and the Registrar of Cemeteries, Ministry of Small Business and Consumer Services.	Table 5.9.5-1	5-806	Construction	Environmental Protection	NSDF-specific	
EIS-45	The facility has been designed so that the wastes will be safely managed long term without a need for retrieval.	1.0 2.3	1-1 2-7	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-46	The waste to be placed in the NSDF will be LLW, which is a type of radioactive waste suitable for disposal in engineered near surface facilities that provide isolation and containment for periods of up to a few hundred years in alignment with international standards.	1.0	1-1	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-47	All LLW to be disposed at the NSDF Project will be required to meet the waste acceptance criteria established to assure that it is acceptable for disposal at the NSDF to meet operational and post-closure safety requirements.	1.0	1-1	Operations	Waste Management	NSDF-specific	
EIS-48	Transportation of radioactive wastes has been demonstrated to be safe and will be carried out in order to consolidate all radioactive wastes at the CRL site	1.0	1-2	Multiple/Ongoing	Transportation of Dangerous Goods	Corporate/Site-wide	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-49	The placement of the wastes in the ECM will be completed in phases as follows: ¡ Phase 1: with a design capacity of 525,000 m3 to accommodate wastes currently in storage and wastes to be generated over the next 20 to 25 years, to create the conditions for the revitalization of the CRL site. ¡ Phase 2: during which the design capacity will be expanded to 1,000,000 m3 to accommodate wastes expected to be generated following Phase 1.	1.1	1-5	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-50	Following its closure, the ECM will resemble a grassy hillside, but will not be visible from the CRL main campus or the Ottawa River.	1.1 3.1.1	1-5 3-2	Closure	Design Authority and Design Engineering	NSDF-specific	
EIS-51	Surface water management system, which will control clean surface water on-site, and prevent contact with contaminated waste.	1.1	1-5	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-52	Final cover system (i.e., cap for the mound); which will isolate the waste, provide radiation shielding, and prevent water from entering. The waste will be covered as each disposal cell is filled	1.1	1-5	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-53	Environmental monitoring systems, which will monitor air, surface water and groundwater consistent with existing CRL licence requirements.	1.1	1-5	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-54	The WWTP will use the best available technology that is economically achievable.	1.1	1-5	Construction	Design Authority and Design Engineering	NSDF-specific	
EIS-55	Treated effluent will meet effluent discharge targets for the protection of the environment and human health and will be discharged to an approved discharge location or locations.	1.1 2.5.7.6 2.5.7.7 5.3.2.6.2.1 5.3.2.6.2.2 Table 5.3.2-7	1-5 2-62 2-65 5-209 5-210 5-194	Operations	Environmental Protection	NSDF-specific	
EIS-56	During the institutional control period, groundwater monitoring and groundwater quality management will continue to demonstrate compliance with the environmental assessment predictions	1.1 3.2.4	1-6 3-18	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-57	The Vice President, Operations and Chief Nuclear Officer, will delegate the responsibility for safe operation of the proposed facility to the NSDF Facility Authority.	1.3.2	1-12	Operations	Conduct of Operations	NSDF-specific	
EIS-58	The NSDF will provide a safe, permanent solution at the CRL site for the disposal of LLW, and will replace the current CNL practice of placing waste in interim storage	2.1	2-1	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-59	Any waste that does not meet the NSDF Waste Acceptance Criteria will be directed to another appropriate waste management facility	2.2	2-2	Operations	Waste Management	Corporate/Site-wide	
EIS-60	CNL's used fuel that has been declared as radioactive waste will be placed in safe, secure and suitable storage facilities until a national deep geological repository designed for used fuel becomes available.	2.2.1.1	2-5	Multiple/Ongoing	Waste Management	Corporate/Site-wide	
EIS-64	The ECM will be sized to hold up to up to 1,000,000 m3 of LLW that is expected to be generated through 2070	2.3	2-6	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-65	The NSDF Project will enable the remediation of historically contaminated lands and legacy waste management areas, as well as the decommissioning of outdated infrastructure to facilitate the CRL site revitalization. Remediation will involve progressively reducing the risk and liability through prudent management and cleanup of contaminated and affected sites at the CRL site.	2.3	2-7	Multiple/Ongoing	Clean Up Function	Corporate/Site-wide	
EIS-66	The facility has been designed so that the wastes will be safely managed long term without a need for retrieval. Although the intent is not to retrieve the waste, and to prevent inadvertent exposure to the public, consistent with international practices, the design of NSDF does not preclude future generations from retrieving NSDF contents.	2.3	2-7	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-67	Designed and operated in accordance with applicable codes and best practices, the NSDF technology will feature a multilayer, base-liner and cover system to contain the waste, a WWTP with dual process trains to treat the leachate generated, and robust safety monitoring systems such as leak detection, radiation monitoring and environmental monitoring to ensure the safety of workers and the public and the protection of the environment during the operations and postclosure periods.	2.5.2.2.1	2-16	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-68	In addition, institutional controls, including restrictions on land use, and a program for monitoring, will be implemented in the post-closure period to provide long-term safety of the public and the environment.	2.5.2.2.1	2-16	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-69	Operations at the NSDF will be similar to those applied by CRL at the WMAs for over 70 years. It is expected that the majority of environmental remediation and decommissioning waste will be disposed as bulk material, in unpackaged form. Approximately 13% of LLW will have sufficiently high radionuclide content to require use of packaging in the NSDF	2.5.2.5	2-23	Operations	Waste Management	NSDF-specific	
EIS-70	As the owner of the CRL site and associated liabilities, AECL (a federal Crown corporation) will continue to put in place measures to ensure that the site is managed and controlled (e.g., restricting the land use of the NSDF Project footprint) for as long as necessary.	2.5.4 3.2.4.2	2-33 3-19	Post-Closure/Institutional Control	Good Corporate Responsibility	NSDF-specific	
EIS-72	The exfiltration gallery will have sufficient capacity during post-closure to handle reduced flows from the WWTP after the ECM is capped.	2.5.7.1.1	2-59	Closure	Design Authority and Design Engineering	NSDF-specific	
EIS-75	While in operation, the NSDF will have a Wastewater Treatment Plant (WWTP) and several support facilities such as an administration building, an operations support center (which includes change rooms), weigh scales and a vehicle decontamination facility. These will be decommissioned and removed following the end of operations. The site will be permanently fenced and contain roads, utilities and surface water management ponds.	3.1.1	3-2	Closure	Clean Up Function	NSDF-specific	
EIS-77	Following facility closure, during the post-closure phase, basic monitoring and inspections of the site will periodically occur to confirm that the facility is performing as expected	3.1.1.1	3-5	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-78	300 years is used for planning purposes however the institutional control period will continue as long as necessary as determined by regulatory agencies	3.1.2	3-7	Post-Closure/Institutional Control	Good Corporate Responsibility	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-79	A 30 m buffer will be established along identified wetlands near the NSDF Project site; where the buffer cannot be maintained, appropriate measures will be established to address any risk of erosion.	3.2.1.1 Table 5.4.1-13 Table 5.4.1-21 Table 5.4.2-7 Table 5.5.5-1 Table 5.6.5-1 Table 5.6.9-1 Table 5.6.9-1 Table 5.6.9-1 Table 5.6.9-1 Table 7.4.1-1 Table 9-1 Table 9-1 Table 9-1 Table 9-1 Table 9-1 Table 9-1	3-10 5-249 5-260 5-277 5-341 5-477 5-609 5-609 5-610 5-611 7-17 9-6 9-8 9-9 9-10 9-11 9-12	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-80	a 5 m tree-line buffer will be established from the NSDF Project site to limit disturbance to vegetation and large tree roots at the tree-line.	3.2.1.1 Table 5.6.5-1 Table 5.6.5-1 5.6.5.2.1 5.6.5.2.1 Table 5.6.9-1 Table 5.6.9-1 Table 5.6.9-1 Table 5.6.9-1 Table 9-1 Table 9-1 Table 9-1 Table 9-1 Table 9-1	3-10 5-477 5-479 5-485 5-487 5-609 5-610 5-611 5-612 9-8 9-9 9-10 9-11 9-12	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-81	A buffer zone will also be maintained between the ECM and the boundary of the NSDF Project site.	3.2.1.1 5.6.5.2.1	3-10 5-487	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-82	Blasting activities will follow industry standard Best Management Practices, applicable federal regulations, and Fisheries and Oceans Canada guidelines for use of explosives. Storage and management of explosives will be done in accordance with the Explosives Act and supporting Explosives Regulation, 2013.	3.2.1.1 Table 5.3.1-4 Table 5.4.2-7 Table 5.5.5-1 Table 5.6.5-1 5.10.5.2.2	3-11 5-141 5-277 5-341 5-480 5-848	Construction	Construction	NSDF-specific	
EIS-83	It is anticipated that most of the blasted rock will be recycled for use within the construction of the ECM. Rock that cannot be recycled for reuse will be stored on the CRL site.	3.2.1.1 5.3.1.5.2.2 5.5.5.2.1 5.6.5.2.1	3-11 5-149 5-347 5-486	Construction	Waste Management	Corporate/Site-wide	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-84	The contractor will be the Constructor of the NSDF Project and will be responsible per CNL's Occupational Safety and Health Program (described in Section 3.5.2.4) to control or eliminate hazards in the field that may be encountered during NSDF Project site preparation and construction activities.	3.2.1.2	3-13	Construction and Operations	Construction	NSDF-specific	
EIS-86	Less than 10% of the waste volumes to be placed in the ECM will be from off-site sources (e.g., other Atomic Energy of Canada Limited [AECL] sites such as Whiteshell Laboratories and commercial sources such as hospitals and universities).	3.2.2	3-14	Operations	Waste Management	NSDF-specific	
EIS-87	Closure activities are expected to start in 2070 and continue through to 2100, after which the NSDF Project will move to the post-closure phase. Most activities will be completed within the initial years of the closure phase, with the continued operation of the WWTP and performance monitoring through to 2100.	3.2.3	3-16	Closure	Clean Up Function	NSDF-specific	
EIS-88	Decommissioning of the WWTP and all associated structures will be performed after the leachate quantity is able to be treated using a different technique or it becomes more cost-effective to send leachate to an alternate off-site facility.	3.2.3 5.3.1.5.2.2 5.4.2.5.2.2 5.5.5.2.1	3-16 5-148 5-290 5-346	Closure	Clean Up Function	NSDF-specific	
EIS-89	Periodic revisions of the Preliminary Decommissioning Plan (AECOM 2018b) for the NSDF will be completed as necessary to reflect changes through the lifecycle of the facility.	3.2.3	3-16	Multiple/Ongoing	Clean Up Function	NSDF-specific	
EIS-90	A Closure Plan (AECOM 2017; analogous to closure plan requirements for provincially regulated disposal facilities) has been developed for the NSDF Project and will be a living document that will be modified as needed to adapt to field conditions, programs, technology updates, and contingencies. An updated and revised Final Closure Plan for the NSDF Project will be prepared at the time of final closure based on actual, verified conditions through the end of the operations phase of the NSDF Project. The Final Closure Plan will have information on updated remaining waste volumes, projected final contours and associated remaining site life including a detailed implementation schedule. Information that will be considered in the revised/updated Final Closure Plan will include the final inventory disposed in the facility, types of waste, locations of waste, and other relevant information.	3.2.3	3-16	Closure	Clean Up Function	NSDF-specific	
EIS-91	During institutional control, inspection and surveillance activities will verify the integrity of the disposal facility system, while environmental monitoring activities will verify that the predicted performance continues to demonstrate compliance with the environmental assessment predictions	3.2.4	3-17	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-92	The NSDF Project will be maintained during the institutional control period to meet the following performance requirements: prevent unacceptable dispersal of radioactive materials through environmental pathways (e.g., protecting groundwater from leachate); detect release of radioactivity early; confirm the final cover system can withstand damage from degradation over the design life; confirm the vegetated topsoil of final cover system does not erode at an unacceptable rate; maintain the final cover at an appropriate slope to mitigate the effects of settlement and achieve positive drainage off the ECM surface to limit infiltration, erosion, sediment transport and maintain cover stability; confirm that safety is provided by passive means (i.e., no active intervention necessary) during the post-closure phase; execute applicable environmental requirements with regard to monitoring, and surface water management systems and drainage features; and provide records for facility closure and for regulatory review	3.2.4	3-17	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-93	As the post-closure period progresses, it is expected that much of the environmental sampling will be terminated or reduced, except for groundwater monitoring, which must be carried out to provide data to support long-term effects evaluation. The groundwater monitoring program for the operational phase will be continued during the initial period after facility closure, but will gradually be reduced if no radionuclide or chemical constituent migrations are identified.	3.2.4	3-18	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-95	Construction, operation, and closure activities of the ECM will be designed to limit settlement (i.e., downward movement of the cover) and water infiltration; however, subsidence (i.e., gradual caving in or sinking) or slope instability could indicate differential settlement beneath the surface. The cover will be inspected for depressions, cracking, or other deformities in the cap shape for evidence of differential settlement.	3.2.4.1	3-18	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-96	Trees will not be allowed to establish on the final cover because their root systems could cause damage to the cover layers. Maintenance activities during the institutional control period will include removal of trees and other deep-rooted type vegetation and conducting physical inspections for animal burrows over the ECM surface.	3.2.4.1 3.4.1.9.3	3-18 3-50	Post-Closure/Institutional Control	Maintenance	NSDF-specific	
EIS-97	Monitoring during the institutional control period will confirm the performance of the containment system, and if necessary, remedial actions will be taken. Examples of mitigation that would be implemented include: If erosion were present, the final cover would be repaired. If a localized breach of the final cover were present, the cover would be repaired and the leachate system would be periodically assessed and inspected. If there were multiple or and indeterminant number of breach locations in the final cover, another cover / cap system could be installed over the existing cover.If the monitoring wells detected abnormal performance results, additional wells could be installed and the monitoring frequency increased. Erosion of the perimeter berm would be mitigated by maintaining a healthy vegetation cover.	3.2.4.1	3-18	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-98	Upon closure, controls will be in place to limit land usage including recognition on the property title or deed to ensure the appropriate zoning restrictions and including buffer or attenuation zones. As the enduring federal entity, and owner of the assets and liabilities of CNL, AECL is committed to controlling and restricting the land use of the NSDF footprint for as long as necessary. While other areas of the CRL site may be reused, the NSDF Project site will continue to be restricted as a waste disposal facility	3.2.4.2	3-19	Post-Closure/Institutional Control	Clean Up Function	Corporate/Site-wide	
EIS-99	As a land disposal facility, the NSDF will follow the guidelines of Ontario's Regulation 347, General – Waste Management, for acceptable quantities and concentrations of metals, organics, and chemical compounds to limit the leaching potential of the facility	3.3.1.3.1	3-27	Operations	Conduct of Operations	NSDF-specific	
EIS-100	For waste to be accepted for disposal in the ECM, the waste generator will need to characterize the waste, complete and submit a Waste Profile and Waste Management Plan for review and approval, and apply for and receive approval to transport the waste to the NSDF site.	3.3.2	3-28	Operations	Waste Management	NSDF-specific	
EIS-101	WAC non-conformances identified through the verification process as well as discrepancies between waste documentation and verification results will be managed through the Waste Certification process	3.3.2	3-28	Operations	Waste Management	Corporate/Site-wide	
EIS-102	Radiation dose rates and surface contamination on containers will meet CNL's Radiation Protection Program requirements	3.3.3.2	3-29	Operations	Radiation Protection	Corporate/Site-wide	
EIS-103	The disposal cells in the ECM will be filled in succession and as each cell is filled to capacity, the next cell will be prepared to accept waste. The average cell area will be 12,000 m2; however, for the purposes of the modelling, a maximum capacity of 15,000 m2 was used to calculate a maximum amount of leachate and contact water that could be expected to be generated from any cell. Within the ECM there will also be a 6,000 m2 temporary waste storage pad for staging waste.	3.4.1	3-31	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-104	The maximum height of fill material, waste, and the final cover will be 18 m.	3.1.1 3.4.1.2	3-2 3-33	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-105	During construction, a temporary sacrificial geomembrane will be installed over the baseline system to divert stormwater to collection ponds in the ECM. A granular 'A' cover layer will be added for frost protection of the constructed base liner system. The sacrificial geomembrane and granular 'A' cover will be removed prior to waste placement.	3.4.1.4	3-37	Operations	Design Authority and Design Engineering	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-106	A Waste Placement Mapping Plan will be developed to ensure accurate record-keeping and documentation of the cell and ECM development, as well as the placement locations of different wastes in the cells. This plan will specify a three-dimensional waste location recording system and methods for maintaining proper spacing of waste placed within the ECM. As waste is placed in the ECM, the locations/elevations will be documented, mapped and updated on a regular basis during the ECM operation.	3.4.1.7	3-41	Operations	Conduct of Operations	NSDF-specific	
EIS-107	Waste materials of high compressibility will not be placed in concentrated areas but are spread in thin layers over larger areas. Materials with no compressibility (such as demolition debris) will also be placed to avoid concentrated areas	3.4.1.7.1	3-42	Operations	Conduct of Operations	NSDF-specific	
EIS-108	The temporary storage, waste receiving and processing area will be moved as necessary for the sequencing of the cells. The TSWPRA will normally store wastes, and stored waste shall be placed in the ECM disposal cell within one year.	3.4.1.8.1	3-43	Operations	Conduct of Operations	NSDF-specific	
EIS-110	The interim cover consisting of 0.3 m layer of clean soil overlain by a sacrificial liner is applied to waste disposal areas that will remain inactive for more than 30 days	3.4.1.9.2	3-46	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-111	The final cover system will consist of an engineered multi-layer system with a minimum thickness of 2.05 m.	3.4.1.9.3	3-48	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-112	A sand cover layer will be installed directly above the waste material to provide for a smooth, firm base surface for installation of the infiltration barrier component layers.	3.4.1.9.3	3-50	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-113	In areas of the cell where top-of-waste final contours have been achieved, a sacrificial liner will be placed overtop the first layer of final cover until a sufficient area has been reached to warrant commencement of construction of the rest of the final cover system in this area. When the rest of the final cover system is ready to be placed on top of the first layer of the final cover, the sacrificial liner will be removed (prior to placement of the geosynthetic clay liner).	3.4.1.9.3	3-50	Operations	Conduct of Operations	NSDF-specific	
EIS-114	Two HDPE geomembrane components will be installed: Geosynthetic clay liner – The first is a composite HDPE geomembrane/geosynthetic clay liner to provide an additional means of restricting infiltration, which is less susceptible to significant damage from freeze-thaw or potential long-term differential settlement. 2 mm textured HDPE geomembrane – The second is a textured, HDPE geomembrane liner to serve as the upper (primary) barrier against infiltration through the cover into the buried wastes.	3.4.1.9.3	3-50	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-115	A cushion/drainage layer, consisting of medium to course sand will be installed above the HDPE geomembrane to provide, in conjunction with the underlying HDPE geomembrane.	3.4.1.9.3	3-50	Construction	Design Authority and Design Engineering	NSDF-specific	
EIS-116	An intrusion barrier rockfill layer to deter burrowing animals and roots from deeper-rooted plant species reaching and possibly damaging the final cover lining system. It will also inhibit the roots from penetrating into and transporting contaminants from the waste fill.	3.4.1.9.3	3-50	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-118	A passive landfill gas (LFG) venting system will also be installed in conjunction with the final cover construction as part of the final closure activities. LFG monitoring probes will be installed around the perimeter of the ECM and will be monitored periodically during the ECM post-closure phase to detect evidence of potential LFG migration away from the ECM.	3.4.1.9.4 Table 5.2.2-13 Table 5.7.5-1 Table 5.8.5-1 Table 9-1 Table 9-1 Table 11.0-1	3-51 5-96 5-689 5-740 9-14 9-17 11-5	Closure	EA Follow-up Monitoring Program	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-119	The ECM Final Grading and Drainage Plan also includes collection ditches along the top of the ECM berm road to collect side slope drainage. The runoff from the collection ditches will be routed to the perimeter. The final cover system will be sloped between 5% and 25%. The perimeter road ditch will route the runoff it receives to one of three surface water ponds located outside the ECM perimeter road. The ECM surface water runoff controls will be maintained until the end of the institutional control period.	3.4.1.10 Table 5.3.2-7 Table 5.3.2-9	3-51 5-195 5-217	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	
EIS-120	Transportation of equipment and construction materials will be scheduled during normal business and daylight hours to the greatest extent possible to limit inconvenience to local residents	3.4.1.11 5.10.5.2.2	3-53 5-847	Construction and Operations	Construction	NSDF-specific	
EIS-121	Leachate will be removed from the LCS and LDS sumps and along with the contact water will be transferred to the collection tanks, from which it will be periodically transferred to the WWTP for treatment	3.4.1.12	3-54	Operations	Conduct of Operations	NSDF-specific	
EIS-122	It is expected that of the generation of leachate in the ECM will eventually trend toward zero over time. Residual moisture present within the buried waste material will drain to the LCS and LDS sumps and be removed. Before the WWTP is shut down, the long-term treatment needs for any leachate derived from the ECM will be evaluated.	3.4.1.12.1	3-54	Closure	Clean Up Function	NSDF-specific	
EIS-123	An ECM leachate Sampling and Analysis Plan will be developed to collect baseline information to determine the profile for liquid that will be transferred to the WWTP for treatment. Sampling will allow for changes in leachate quality through time to be identified. The latter information will be used to inform and update the groundwater monitoring program for the ECM.	3.4.1.12.3	3-54	Multiple/Ongoing	Conduct of Operations	NSDF-specific	
EIS-124	Precipitation that falls on the temporary storage pad will be treated as contact water and routed to the WWTP. Water that infiltrates through the storage pad will eventually flow into the leachate collection system, where it mixes with leachate from the active and closed waste cells.	3.4.2.1	3-55	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-125	Specifically for phosphorus, it will be removed during the chemical precipitation step by the ferric chloride that is part of the normal treatment strategy	Table 3.4.2-3 footnote	3-61	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-126	If the leak detection system detects moisture, an alarm is generated and the tanks will be inspected	3.4.2.3	3-61	Operations	Conduct of Operations	NSDF-specific	
EIS-127	Three above-grade, covered collection tanks will be installed to provide the required volume. The collection tanks will be installed within a concrete secondary containment area designed to contain 110% of the volume of a single tank.	3.4.2.4	3-62	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-128	If certain COPCs exceed discharge requirements, the wastewater will then be treated using some or all of the processes in the WWTP, depending on the specific COPCs in the wastewater	3.4.2.4	3-62	Operations	Conduct of Operations	NSDF-specific	
EIS-129	Each treatment train will include two chemical precipitation tanks operated in series (four tanks in total)	3.4.2.4	3-62	Construction	Design Authority and Design Engineering	NSDF-specific	
EIS-130	Chemicals will be stored in segregated rooms within containment areas based on chemical compatibility, to avoid the mixing of incompatible chemicals in the event of a spill.	3.4.2.4	3-62	Operations	Conduct of Operations	NSDF-specific	
EIS-131	Concentrated solids will be periodically pumped from the process tanks to the residuals storage and conditioning tanks. Each tank will have a capacity of approximately 80 m3.	3.4.2.4	3-62	Operations	Conduct of Operations	NSDF-specific	
EIS-132	Final effluent will be discharged to the Perch Creek and Perch Lake Watershed either through an exfiltration gallery or by a transfer line discharge to Perch Lake	3.4.2.4	3-62	Operations	Conduct of Operations	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-133	Real time groundwater monitoring wells will be installed in proximity to the exfiltration gallery and provide water table elevation. The water table elevation data will be used to determine when the treated effluent can be discharged to the exfiltration gallery	3.4.2.6	3-64	Operations	Conduct of Operations	NSDF-specific	
EIS-134	The NSDF security will follow CRL's site security requirements and physical security plans. Access to the NSDF Project site will be exclusively from within the CRL site boundary and access to the CRL site is strictly controlled by security personnel. In addition, a security fence will be installed around the entire perimeter of the NSDF Project site to prevent unauthorized personnel from entering, and limit animal injury and contact during construction and waste placement operations. The perimeter fencing will be 2.4-m high, typically offset 1.0 m inside the NSDF boundary.	3.4.4.3 5.10.4.2.11 5.10.5.2.1	3-68 5-840 5-845	Multiple/Ongoing	Security	Corporate/Site-wide	
EIS-136	During the construction phase, erosion and sediment control measures will be in place to mitigate the effects of sediment transport. The measures will include the use of erosion control blankets, as needed on steep slopes, check dams in ditches and swales, and the three proposed surface water management ponds that will be constructed to serve as interim sediment control facilities during construction, and then as stormwater management facilities during the operations, closure and post-closure periods. The ECM surface water runoff controls will be maintained until the end of the institutional control period. The ECM and external areas, including the WWTP, parking lots, administrative and maintenance buildings, and laydown areas will be subject to erosion and sediment control measures during construction.	2.5.5.3 3.4.1.8.2 3.4.4.5 Table 5.3.1-4 Table 5.4.1-21 5..3.1.5.2.1 5.3.1.5.2.2 5.4.2.5.2.1 5.5.5.2.1 5.5.5.2.2 Table 5.4.2-7 Table 5.6.5-1 5.6.5.2.1 5.6.5.2.1 5.4.1.6.2.1 5.6.7.11 3.4.1.10 (3-51)	2-52 3-43 3-69 5-141 5-260 5-146 5-148 5-286 5-348 5-355 5-277 5-478 5-487 5-489 5-253 5-602 3-51	Multiple/Ongoing	Maintenance	NSDF-specific	
EIS-137	Contact water drainage from the active cells of the ECM will be to the WWTP unless sampling and analysis demonstrates that the water in the contact water pond is suitable for discharge as noncontact water.	3.4.4.5	3-69	Operations	Conduct of Operations	NSDF-specific	
EIS-138	Contact and non-contact water ponds will be kept independent from each other by the ridge and valley configuration (herringbone-shape) in the base liner and use of temporary berms. The cells are oriented so that the ridge and valleys will naturally direct water to ponds located at the low point of each cell.	3.4.4.5.1	3-70	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-139	The surface water management ponds will be monitored for total suspended solids as described in Table 11.0-1 to ensure compliance with Environmental Protection Program requirements for total suspended solids in effluent discharge.	3.4.4.5.2	3-74	Construction and Operations	EA Follow-up Monitoring Program	NSDF-specific	
EIS-140	For each surface water management pond, the water level will be monitored to estimate the inflow and outflow of each pond. Visual inspections of the ponds will be completed to confirm that inlets and outlets are clear of debris and to confirm that there are no major erosion issues at the inlet or outlet. The berms and outlet structures will be visually inspected to identify any animal burrowing activity or active soil erosion. Inspections will also include an annual sediment level monitoring component to identify sediment clean-out requirements. Sediments will be extracted by excavation equipment and will be disposed of based on sediment sampling, testing, and classification according to Ministry of the Environment, Conservation and Parks standards or stockpiled, de-watered and reused on-site for ECM cover operations	3.4.4.5.2 5.3.1.5.2.1 5.3.2.5.2.1 5.4.1.6.2.1 5.4.2.5.2.1	3-74 5-146 5-197 5-255 5-286	Construction and Operations	Conduct of Operations	NSDF-specific	
EIS-141	Fire protection at the NSDF Project site will be provided through two on-site underground fire water holding tanks. The tanks have been designed and will operate in a duty/standby manner. Each tank will	3.4.4.6	3-76	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
	have a capacity of 403 m3. This capacity will be sufficient to provide 2 hours of fire water supply through a dry fire main system to on-site hydrants.						
EIS-142	All wastes that arise as a result of the construction, operations, and closure phases will be safely managed and in accordance with CNL's Waste Management Program	3.4.5 Table 5.6.5-1 5.10.5.2.2	3-76 5-481 5-849	Multiple/Ongoing	Waste Management	NSDF-specific	
EIS-143	Emissions and effluents from the NSDF Project during the construction, operations, and closure phases will be managed according to CNL's procedure for Management and Monitoring of Emissions	3.5.1.3 5.7.9 5.8.9	3-79 5-724 5-770	Multiple/Ongoing	Environmental Protection	NSDF-specific	
EIS-144	The overall effluent verification monitoring program for the CRL site is applicable to the NSDF Project; specifically, the Air Verification Monitoring Program and Liquid Verification Monitoring Program will be expanded to include the NSDF Project.	3.5.1.3	3-79	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-146	Monitoring of the treated effluent discharge from the WWTP will be completed in accordance with CNL's procedure for Management and Monitoring of Emissions.	3.5.1.3	3-79	Operations	Environmental Protection	NSDF-specific	
EIS-147	The Environmental Management Plan (EMP) for the CRL site will be expanded to include monitoring and sampling locations for the NSDF Project.	3.5.1.3 3.5.2.2	3-80 3-82	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-148	The ALARA principle for the NSDF Project design will be achieved by implementing zoning and access control measures, providing process equipment segregation, establishment of radiation alarms and through operator training and approved procedures.	3.5.2.1	3-81	Multiple/Ongoing	Conduct of Operations	NSDF-specific	
EIS-149	The NSDF Project Environmental Protection Plan will establish guidelines for safe and environmentally sound management of the facility during construction. During operations, this plan will establish guidelines to prevent unacceptable dispersal of radioactive and non-radioactive materials through environmental pathways and provides mechanisms for early detection of releases of radioactivity, as well as monitoring for both radioactive and non-radioactive emissions. This plan will also include information on how long-term behaviours of the waste are evaluated with respect to environmental protection.	3.2.1.2 3.5.2.2 5.4.2.5.2.2 5.5.5.2.2 5.5.7	3-13 3-82 5-292 5-355 5-360	Construction and Operations	Environmental Protection	NSDF-specific	
EIS-151	The final EIS or the Commission Member Document (prepared to support the Commission Hearing) will include an update on public engagement activities and feedback.	4.2 4.4 6.1	4-7 4-37 6-2	Pre-construction	Public Information Program	NSDF-specific	
EIS-152	The CNL prepared responses to the formal comments which will be submitted to the CNSC and posted on the CEAA Registry under project #80122.	4.3.2	4-34	Pre-construction	Public Information Program	NSDF-specific	
EIS-154	The NSDF Project will contribute to local and regional economies, through direct procurement, as well as indirect investment in other business activities.	Table 5.1.2-1 Table 5.10.2-1	5-10 5-815	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific	
EIS-155	The NSDF Project will generate incremental tax revenues for all levels of government	Table 5.1.2-1	5-10	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific	
EIS-157	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order.	Table 5.2.1-8 Table 5.2.1-18 5.2.2.6.3 Table 5.3.1-4 Table 5.4.2-7 Table 5.5.5-1 Table 5.6.5-1 8.3.1.2	5-51 5-77 5-92 5-142 5-279 5-342 5-482 8-9	Multiple/Ongoing	Maintenance	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-158	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates).	Table 5.2.1-8 Table 5.2.1-18 Table 5.7.5-1 Table 5.8.5-1 Table 9-1 Table 9-1 Table 9-1	5-52 5-77 5-689 5-739 9-3 9-13 9-15	Operations	Conduct of Operations	NSDF-specific	
EIS-159	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release.	Table 5.2.1-8 Table 5.2.1-18 Table 5.7.5-1 Table 5.8.5-1 Table 9-1 Table 9-1 Table 9-1	5-52 5-77 5-689 5-739 9-3 9-13 9-15	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-160	The CRL Radioactive Effluent Verification Monitoring Program includes airborne effluents verification monitoring that comprises 56 monitoring points and will also continue for the NSDF Project	5.2.1.9 5.2.2.9	5-74 5-95	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-162	The WWTP will be fuelled by natural gas	5.2.2.5.2.3 Table 5.2.2-5 Table 9-1	5-87 5-86 9-4	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-166	Fuel Usage – a record will be kept of the fuel usage related to the NSDF Project.	Table 5.2.2-13 Table 11.0-1	5-96 11-5	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	
EIS-169	Performance monitoring will be completed throughout the post-closure phase for the NSDF Project to confirm that the final cover is functioning as intended.	Table 5.3.1-4	5-145	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-170	Facility inspections will be completed twice annually and after major storm events to confirm that inlets and outlets are clear of debris and to confirm that there are no major erosion issues at the inlet or outlet. As well, the integrity of berms and outlet structures will be confirmed by visual inspections (e.g., to identify any animal burrowing activity or active soil erosion). Inspections will also include an annual sediment level monitoring component within each pond to identify sediment accumulation rates that may require clean-out requirements. If necessary, pond sediment will be extracted by excavation equipment and will be disposed of based on sediment sampling, testing and classification according to MECP standards, or stockpiled, dewatered and reused on site for the daily ECM cover operations. Sediment removal will follow procedures identified in the Stormwater Management Planning and Design Manual (MOE 2003).	5.3.1.5.2.1 5.4.1.5.2.2 5.4.2.5.2.1 Table 5.4.1-13	5-146 5-253 5-286 5-249	Multiple/Ongoing	Conduct of Operations	NSDF-specific	
EIS-172	Procedures for surface water management will be developed and implemented for the NSDF Project.	Table 5.3.2-7 5.3.2.9 Table 5.4.2-7 Table 5.5.5-1 Table 5.6.5-1	5-192 5-213 5-279 5-343 5-482	Multiple/Ongoing	Conduct of Operations	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-174	Appropriate responses to leachate leakage and contamination will be implemented as described in the Operations and Maintenance Plan and Contingency Plan.	Table 5.3.2-7 Table 5.4.2-7 Table 5.5.5-1 Table 5.6.5-1 Table 5.7.5-1	5-193 5-280 5-344 5-483 5-689	Operations	Conduct of Operations	NSDF-specific	
EIS-176	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses	Table 5.3.2-7 5.3.2.5.2.2 Table 5.3.2-9 Table 5.4.2-7 Table 5.4.2-17 Table 5.5.5-1 Table 5.5.5-1 Table 5.6.5-1 Table 5.7.5-1 Table 5.8.5-1 Table 9-1 Table 9-1 Table 9-1 Table 9-1	5-194 5-198 5-216 5-280 5-313 5-342 5-343 5-483 5-689 5-739 9-5 9-7 9-13 9-16	Operations	Conduct of Operations	NSDF-specific	
EIS-177	The perimeter road ditch will route the runoff around the ECM perimeter to minimize ponding of water into the closed ECM, erosion of the final cover and underlying waste materials, destabilization of the ECM structure and damage to access roads.	Table 5.3.2-7	5-195	Post-Closure/Institutional Control	Design Authority and Design Engineering	NSDF-specific	
EIS-180	The [Groundwater Monitoring Program] GWMP will begin prior to operations	5.3.2.8	5-212	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	
EIS-181	Groundwater monitoring will continue through operations, closure and post-closure	5.3.2.8	5-212	Post-Closure/Institutional Control	EA Follow-up Monitoring Program	NSDF-specific	
EIS-182	The grey water/sanitary sewage will be managed through a gravity sewer network connected to the two sewage disposal systems as described in Section 3.4.4.4. These systems are completely separate from the ECM leachate and other contact water sewer conveyance for the on-site WWTP. Sewage discharges to the sewage disposal system will conform with CNL's Acceptability Criteria for Routine and Non-Routine Discharge of Liquids on the CRL Site (CNL 2015b).	3.4.4.4 Table 5.4.1-13 5.4.1.5.2.1 5.4.2.5.2.1 5.5.5.2.1	3-68 5-249 5-251 5-285 5-348	Operations	Environmental Protection	NSDF-specific	
EIS-183	Annual inspection and maintenance activities will identify any erosion problems	Table 5.4.1-13 Table 5.5.5-1 Table 5.6.5-1 10.1.2	5-249 5-343 5-483 10-3	Multiple/Ongoing	Maintenance	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-185	Surface water from all external areas will be conveyed by ditches, swales and culverts to SWMPs to address water quality and water quantity criteria established for the wetland receiving waters and, ultimately, Perch Creek.	Table 5.4.1-13 5.4.1.6.2.1 Table 5.4.1-21 Table 5.4.2-7	5-249 5-254 5-260 5-277 5-279	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-186	Inspections will be undertaken and maintenance activities completed, as required, after major storm events and after the annual spring melt to confirm there are no major erosion issues	Table 5.4.1-13 Table 5.5.5-1 Table 5.6.5-1 Table 9-1	5-249 5-343 5-483 9-6	Multiple/Ongoing	Maintenance	NSDF-specific	
EIS-191	Runoff from the SSA will be managed (e.g., surface water management ponds) to avoid adverse environmental effects in downstream waterbodies	Table 5.4.2-7 Table 5.5.5-1	5-277 5-341	Construction and Operations	Conduct of Operations	NSDF-specific	
EIS-192	Work will be completed within the in-water work timing window of July 16 to March 14 to avoid spawning and egg/larval development periods for spring spawning fish species	Table 5.4.2-7 Table 5.5.5-1 5.5.5.2.2 5.5.7 Table 5.6.5-1	5-278 5-342 5-355 5-360 5-478	Construction	Construction	NSDF-specific	
EIS-194	Industrial equipment will be well maintained and free of leaks, invasive species, and noxious weeds. Machinery will be operated from above the high-water mark or from a barge to minimize the disturbance of the lakebed, riparian area, and shoreline. Vegetative mats and riparian protection measures will be used when mobilizing to and from the site	Table 5.4.2-7 Table 5.5.5-1	5-278 5-342	Construction	Construction	NSDF-specific	
EIS-195	Clearing of any riparian vegetation and organic materials will be minimized, materials removed will be salvaged and replaced once the project is completed. Disturbed riparian areas and shorelines will be re-vegetated and restored to the original stable gradient and contour. All construction materials will be removed from site upon completion of the project	Table 5.4.2-7 Table 5.5.5-1	5-278 5-342	Construction	Construction	NSDF-specific	
EIS-197	A site-specific ‘Spill Management Plan’ will be developed and implemented for this [site preparation, construction] activity. Any refueling will occur at least 30 m away from the lake or waterbodies	Table 5.4.2-7 Table 5.5.5-1	5-278 5-342	Construction and Operations	Construction	NSDF-specific	
EIS-198	Mitigation as described for drilling activities in the DFO Ontario Operational Statement - High-Pressure Directional Drilling (DFO 2007) will be followed	Table 5.4.2-7	5-278 5-281	Construction	Construction	NSDF-specific	
EIS-199	Environmental monitoring of ESC measures will be completed by a qualified professional. Environmental monitoring will include turbidity and total suspended solids monitoring; the monitoring details will be described in an ‘Erosion and Sediment Control Plan’ provided by the Project contractor prior to construction	Table 5.4.2-7 Table 5.5.5-1	5-278 5-342	Construction and Operations	EA Follow-up Monitoring Program	NSDF-specific	
EIS-200	Outlet flows from all three surface water management ponds will be dispersed by level spreaders that will provide an even flow distribution to the wetlands with an appropriately wide dispersal pattern	Table 5.4.2-7	5-280	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-201	The WWTP system’s outlet will utilize a headwall structure, which will discharge to a level spreader for the purposes of preventing erosion and sedimentation at the outlet for the exfiltration gallery	Table 5.4.2-7	5-280	Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-202	The outlet locations of the surface water management ponds are limited by the site boundary (i.e., greater than 5 m separation required) so there will be no discharge from the spreaders directly to the wetland	Table 5.4.2-7	5-280	Operations	Design Authority and Design Engineering	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-205	The HDPE geomembrane design for the liner will be compatible with the leachate generated by the waste and provide a long service life, The base liner system will include an underlying compacted clay liner to supplement the primary and secondary liner system, The leachate collection system design will provide accessible access points for inspections, maintenance, repairs, and replacements, Appropriate responses to leachate leakage and contamination will be implemented as described in the Operations and Maintenance Plan and Contingency Plan	Table 5.3.2-7 Table 5.4.2-7 Table 5.5.5-1 Table 5.7.5-1 Table 5.8.5-1	5-193 5-280 5-344 5-689 5-739	Operations	Conduct of Operations	NSDF-specific	
EIS-206	The temperature of the treated effluent to be released to Perch Lake will be routinely monitored. The monitoring at the WWTP will be used to identify treated effluent conditions (elevated temperature conditions) that will prohibit its release to Perch Lake so that it can be held in storage until it can be released	Table 5.4.2-7	5-281	Operations	Conduct of Operations	NSDF-specific	
EIS-207	Most of the discharge transfer line between the WWTP and Perch Lake will be buried below the frost line. Additionally, the transfer line will be double-walled with an air space between inner and outer wall for most of its length	Table 5.4.2-7	5-281	Construction	Design Authority and Design Engineering	NSDF-specific	
EIS-209	For most of these pipeline sections, the high-density polyethylene (HDPE) pipe will be buried below the frost line (below 2 m depth) and the pipe will be double walled with an air space between inner and outer wall for most of its length	5.4.2.5.2.1	5-289	Construction	Design Authority and Design Engineering	NSDF-specific	
EIS-210	The SWMPs will flow to adjacent wetlands and will be dispersed by level spreaders that will provide an even flow distribution to the wetlands. The SWMPs will therefore not discharge directly to a water body, including Perch Lake.	5.4.2.5.2.1	5-289	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	
EIS-211	The monitoring activities will monitor for adherence to environmental protection measures and provide for observations for signs of surface frac-out of drilling mud. Evidence of frac-out will trigger implementation of the frac-out response plan.	5.4.2.5.2.2	5-293	Construction	Construction	NSDF-specific	
EIS-213	The Environmental Monitoring and Effluent Verification Monitoring will be used the verify the surface water management ponds are performing as designed, mitigation associated with operation of the NSDF Project is effective, effluent discharge targets developed for the NSDF Project are achievable and sustainable at the WWTP, and that water quality in the Perch Creek and Perch Lake Watershed remains within predicted concentrations	5.4.2.8	5-309	Construction and Operations	EA Follow-up Monitoring Program	NSDF-specific	
EIS-214	The potential risk to fish in the Perch Creek and Perch Lake Watershed will continue to be assessed through the conduct of the CRL Environmental Risk Assessment on a five-year cycle.	5.5.4.2.2	5-333	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-215	Impingement of sturgeon will continue to be monitored as long as water is being drawn from the Ottawa River at a rate strong enough to impinge fish.	5.5.4.2.3	5-335	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-217	The NSDF Project will avoid any effects to fish and fish habitat through the implementation of set-back distances and by avoiding construction and related blasting activities in waterbodies and watercourses.	5.5.5.2.1	5-347	Construction	Construction	NSDF-specific	
EIS-219	Operational monitoring will be completed to verify the SWMPs are performing as designed and to demonstrate compliance with effluent discharge targets developed for the NSDF Project.	5.5.6	5-359	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	
EIS-221	Artificial nest mounds will be constructed on both sides of the culverts following guidelines developed by the Northeast Blanding's Turtle Working Group (NBTWG, no date). These artificial nesting mounds will be monitored for use by turtles during the nesting period using methods adapted from provincial protocols (MNR 2013b). Specifically, nesting surveys will be conducted at least once per week during the nesting period (May 15 to June 30); additional surveys will be completed after periods of rain to capture potential increases in nesting behaviour associated with even light rainfall (MNR 2013b; Golder 2019a). During nest mound inspections, maintenance of the nest mounds (e.g., vegetation removal) will occur if females are not present	5.6.4.9.1 5.6.7.8.1 Table 5.6.5-1	5-447 5-573 5-478	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-222	To increase employee, contractor, and visitor awareness about the presence of turtles on the CRL site, the following mitigations have already been, and will continue to be, implemented at the site: Three permanent turtle crossing signs have been installed along Plant Road (Figure 5.6.4-19); Two electronic turtle crossing signs have been installed along Plant Road and are in use during the turtle terrestrial season (May 15 to September 30) (Figure 5.6.4-19); Detailed species at risk training (1-hour session) is provided to employees familiar with species at risk; and The presence of turtles on the CRL site is communicated using the following methods: Information is included as a bulletin on the "My CNL" webpage; Email notifications are regularly sent out to all employees; Information is presented in the Contractor Safety Orientation training and specific contractor training; and Employees are asked to fill out questionnaires each autumn to evaluate how familiar employees are with the mitigation program and objectives and to provide opportunities for employee feedback and suggestions.	5.6.4.9.3 5.6.7.8.1 5.6.7.8.1 Table 5.6.9-1	5-459 5-576 5-583 5-611	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-223	Additionally, to avoid negative interactions with nesting turtles, road grading and levelling activities were not completed during the turtle terrestrial season (May 15 to September 30) in 2019 and these restrictions will remain in place during future years. Restrictions on vegetation removal during the terrestrial season will be in place in 2020 and beyond.	5.6.4.9.3 Table 5.6.5-1	5-459 5-481	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-224	Formal turtle road mortality surveys were implemented at the CRL Site in 2019 (no Blanding's turtle mortality was detected). These road mortality surveys will continue throughout the life of the CRL Site	5.6.4.9.3 5.6.7.8.1	5-459 5-583	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-225	Critical Blanding's turtle habitat will be assessed annually to ensure no significant loss at CRL and to determine compensation measures initiated at CRL or elsewhere.	Table 5.6.5-1 Table 5.6.9-1	5-477 5-611	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	
EIS-227	New and replaced culverts will be enhanced by planting native vegetation around the culvert entrances, while maintaining a clear line of site through the culvert	5.6.4.9.2 Table 5.6.5-1 Table 5.6.9-1 Table 9-1	5-448 5-478 5-611 9-11	Construction	Environmental Protection	Corporate/Site-wide	
EIS-228	The transfer line to Perch Lake will be installed using high-pressure horizontal directional drilling methods.	Table 5.6.5-1	5-478	Construction	Construction	NSDF-specific	
EIS-231	The disturbed portions of the two temporary laydown and staging areas beyond the edge of the Perch Lake Ring Road ROW (which will remain in place) will be restored to the natural wetland vegetation communities that were present prior to construction.	Table 5.6.5-1	5-478	Closure	Clean Up Function	NSDF-specific	
EIS-234	Vegetation clearing and grubbing in the majority of the SSA, and particularly in complex forested habitat, will occur before April 8 or after August 31 to avoid effects on nesting birds and bat maternity roosts.	Table 5.6.5-1 Table 5.6.9-1 Table 5.6.9-1	5-479 5-609 5-610	Construction and Operations	Construction	NSDF-specific	
EIS-235	Species-specific buffers will be put in place around active nests/roosts to avoid disturbance to wildlife caused by noise and other sensory disturbance caused by site preparation activities.	Table 5.6.5-1	5-479	Construction and Operations	Construction	NSDF-specific	
EIS-236	Trees will not be felled until the nests/roosts are confirmed inactive and no longer occupied.	Table 5.6.5-1	5-479	Construction	Construction	NSDF-specific	
EIS-237	If vegetation clearing is scheduled in open habitat between late May and October, the habitat will be searched in advance of construction for the presence of milkweed. Areas of the footprint that contain milkweed will be cleared outside of late May to October to avoid effects on monarch butterflies.	Table 5.6.5-1 5.6.5.2.1 Table 5.6.9-1 Table 9-1	5-479 5-485 5-612 9-12	Construction	Construction	NSDF-specific	
EIS-238	Blasting activities will be temporarily suspended if wildlife are observed in the blasting area	Table 5.6.5-1	5-480	Construction	Construction	NSDF-specific	
EIS-239	Migratory bird exclusion measures will be implemented at the surface water management ponds	Table 5.6.5-1	5-482	Construction	Construction	NSDF-specific	
EIS-242	Pre-clearing bird and bat surveys will be completed by CNL's Environmental Protection team to confirm no active nests/roosts are present in trees to be felled	Table 5.6.5-1 5.6.5.2.1	5-479 5-485	Construction	Construction	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-243	If vegetation clearing activities must be completed during the migratory bird nesting period or bat maternity roosting period, they will only occur in small areas and/or areas of simple habitat, where an active search for nests may be carried out successfully if undertaken by experienced observers using widely accepted protocols and including behaviour indicative of nesting (e.g., aggressive, territorial, defensive, distractive behaviour; carrying of faecal sacs, food or nesting material)	5.6.5.2.1	5-485	Construction	Construction	NSDF-specific	
EIS-244	Nest searches will be completed prior to any clearing or construction activities during the migratory bird nesting period, including in areas that were pre-cleared to account for ground nesting birds.	5.6.5.2.1	5-485	Construction	Construction	NSDF-specific	
EIS-246	[to allow the NSDF Project to meet relevant provincial and federal legislation (particularly the Fisheries Act):] Machine operation will take place on land above the high water mark of Perch Lake.	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-247	An Invasive Species Management Plan, in keeping with best management practices outlined in the MNR Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (MNRF 2019a), will be developed and implemented to limit effects of noxious and invasive plants on natural vegetation.	Table 5.6.5-1 5.6.5.2.2	5-481 5-494	Construction	Construction	NSDF-specific	
EIS-248	Speed limits will be clearly posted on access roads and enforced to mitigate against potential wildlife mortalities during the construction, operations and closure phases. In addition, drivers will have standard safety training and are provided with environmental awareness training.	5.6.5.2.2	5-496	Construction	Construction	Corporate/Site-wide	
EIS-249	Dust control will be conducted to support waste placement operations in accordance with the Dust Management Plan (AECOM 2018) during loading, transportation, placement, and compaction operations	5.3.1.5.2.2 5.4.2.5.2.2 5.5.5.2.2 Table 5.6.5-1 5.6.5.2.2 5.10.5.2.2 10.1.4	5-150 5-291 5-356 5-482 5-497 5-846 10-6	Construction and Operations	Conduct of Operations	NSDF-specific	
EIS-252	to avoid negative interactions with nesting turtles, road grading and levelling activities will not be completed during the turtle terrestrial season (May 15 to September 30). In addition, in-water work will not occur between October 1 and April 15 to avoid adverse effects to hibernating turtles.	5.6.7.8.1	5-576	Construction	Construction	NSDF-specific	
EIS-253	The main Blanding's turtle migration corridors will remain intact within the LSA and RSA. In particular, the wetland complexes which are likely the principal movement routes will remain in their existing condition and the NSDF Project will not alter their connectivity.	5.6.7.8.1	5-575	Construction	Environmental Protection	Corporate/Site-wide	
EIS-254	To help limit movement requirements for females to reach nesting areas and to compensate for potential losses caused by the NSDF Project, nesting mounds will be created on both sides of the Priority 2 culverts (culverts J2, K1, C9, and V22) after the culverts have been replaced (Figure 5.6.7-17). These nest mounds will be created after the approval of the NSDF Project. To improve the chance of successful nesting wire-screen cages will be deployed over areas were eggs have been laid. Up to a total of 30 cages will be deployed in the RSA. These nest cages will be designed according to guidelines adapted from Gillingwater (2008) and Ratnaswamy et al. (1997). Nest cages will be deployed during the nesting season (May 15 to June 30) and weekly inspections of the cages will be completed from the end of the nesting period through to the end of the hatchling emergence period (July 1 to October 15). Cages will be retrieved prior to May 15 of the following year. Implementation of this mitigation has the potential to result in a net benefit to Blanding's turtle nesting habitat and reproductive success because of the NSDF Project.	5.6.7.8.1	5-576	Construction	Environmental Protection	Corporate/Site-wide	
EIS-255	To reduce potential road mortality of turtles during the construction of the NSDF Project, a "sentinel" will drive in front of big trucks that travel along Plant Road, ER-3 (Emergency Road), and East Mattawa Road. Additional monitoring for turtles will also be completed along Plant Road during peak traffic hours.	5.6.7.8.1	5-583	Construction	Construction	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-258	Reptile exclusion fencing will be installed prior to the hibernation period (prior to August) and remain in place for the life of the NSDF Project so that snakes cannot re-enter the site prior to site clearing or access the site during operation. Exclusion fencing will be installed according to provincial guidelines for the target species, including milksnake (MNR 2013c). The area within the fence will be searched prior to site clearing and construction to capture and relocate any herpetofauna including milksnakes to outside of the fenced area.	Table 5.6.5-1 5.6.7.8.1 5.6.7.9.1 Table 5.6.9-1	5-481 5-575 5-588 5-611	Construction	Construction	NSDF-specific	
EIS-259	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.3.1.3.3 5.3.2.3.3 5.4.1.3.3 5.4.2.3.3 5.5.3.3 5.6.7.11 5.7.3.3 5.8.3.3 8.3.2 8.3.3 8.3.4 8.3.5 8.3.6 8.3.7	5-106 5-156 5-226 5-267 5-324 5-602 5-626 5-734 8-10 8-11 8-12 8-14 8-16 8-17	Closure	Good Corporate Responsibility	Corporate/Site-wide	
EIS-260	Bat boxes will remain in place throughout the construction and operations phases. Visual monitoring of bat boxes will be conducted weekly every year during the pre-construction phase and will continue through construction and for three years after start of operations.	Table 5.6.8-1 Table 11.0-1	5-605 11-9	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide	
EIS-261	The treated effluent discharge will meet ecological-based guidelines for all non-radiological [contaminants]. The treated effluent discharge will meet Canadian drinking water guidelines for all radionuclides at the point of discharge with the exception of tritium which will meet Canadian drinking water guidelines at Perch Creek discharge to the Ottawa River	5.7.6.1.1.1	5-697	Operations	EA Follow-up Monitoring Program	NSDF-specific	
EIS-262	Dose to workers will be monitored and managed as part of the NSDF Radiation Protection Plan which is in accordance with CNL's sitewide Radiation Protection Program.	5.8.6.1.1	5-742	Multiple/Ongoing	Radiation Protection	Corporate/Site-wide	
EIS-263	Worker dose consequences will be also kept below the CNL Radiation Protection Action Levels, which are lower than the regulatory limits listed in the preceding sentence.	5.8.6.1.1	5-742	Multiple/Ongoing	Radiation Protection	Corporate/Site-wide	
EIS-264	Radionuclide releases from the treated effluent discharges will be negligible compared to the site Derived Release Limits	5.8.6.1.1.1	5-747	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	
EIS-265	Access to fishing areas on the Ottawa River will not be restricted due to the NSDF Project during any project phase	5.9.5.2.2	5-809	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide	
EIS-266	Canadian Nuclear Laboratories employment opportunities that may arise due to NSDF Project activities will be posted on the vendor portal at www.cnl.ca website	Table 5.10.1-1	5-814	Construction	Good Corporate Responsibility	Corporate/Site-wide	
EIS-267	A maximum of 40 shipments per day will occur during the nighttime period (i.e., 10 pm to 7 am)	Table 5.10.5-1	5-843	Construction and Operations	Construction	NSDF-specific	
EIS-268	The visual effect of the NSDF Project site will be limited as the line of sight will be obscured by hilly topography and the surrounding tree line	Table 5.10.5-1	5-844	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-270	As part of the Environmental Assessment Monitoring and Follow-up Program, with respect to the noise assessment, a traffic count study will be completed along Highway 17 and Plant Road as a pre-construction activity.	5.10.9 Table 11.0-1	5-863 11-11	Construction	EA Follow-up Monitoring Program	NSDF-specific	
EIS-271	The NSDF construction activities will follow the construction process as defined in CNL's Construction Program Description Document and CNL's Construction Program Requirements Document	7.4.1	7-13	Construction	Construction	Corporate/Site-wide	
EIS-272	Canadian Nuclear Laboratories will establish a project-specific Emergency Preparedness Plan for the NSDF Project, including emergency response procedures.	7.5	7-22	Construction	Emergency Preparedness	Corporate/Site-wide	
EIS-275	Radon-emitting wastes will be preferentially placed in the lower levels of the ECM.	Table 5.7.5-1 Table 9-1	5-690 9-14	Operations	Conduct of Operations	NSDF-specific	
EIS-277	The vegetation for the final cover system will be limited to grass species that are drought resistant. Bare or eroded areas will be rolled, regraded, replanted and remulched in the same way as in the original installation to produce a uniformly smooth grassed surface. Treatments will be applied as required to keep grass and soil free of pests and pathogens or disease	10.1.1 10.1.4 Table 10.6-1	10-2 10-6 10-16	Closure	Maintenance	NSDF-specific	
EIS-279	An updated and revised Final Closure Plan will be prepared based on actual, verified conditions, either two years prior to the end of the operations phase or when 90% of the total waste volume has been placed in the ECM, whichever comes first	10.4	10-12	Operations	Conduct of Operations	NSDF-specific	
EIS-280	The monitoring and follow-up plan presented in this section is conceptual and provides a preliminary description of the activities and framework for monitoring proposed for the NSDF Project. This plan will be developed into detailed monitoring and follow-up programs as detailed NSDF Project design is finalized, which may influence the nature, frequency and locations of monitoring. In addition, input from regulatory agencies, the public and Indigenous peoples will be considered. These monitoring and follow-up programs will include sufficient information on the type, quantity and quality of information required to reliably verify predicted effects (or absence of them) and confirm the effectiveness of mitigation. These programs will also be prepared consistent with the Canadian Standards Association's Standards N288.4-10 (Environmental Monitoring Programs at Class I Nuclear Facilities and Uranium Mines and Mills [CSA Group 2010]), N288.5-11 (Effluent Monitoring Programs at Class I Nuclear Facilities and Uranium Mines and Mills [CSA Group 2011]) and N288.7-15 (Groundwater Protection Programs At Class I Nuclear Facilities and Uranium Mines and Mills [CSA Group 2015), as applicable.	11	11-1	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide	
EIS-281	Monitoring during the institutional control period will confirm the performance of the containment system, and if necessary, remedial actions will be taken. Examples of mitigation that would be implemented include: ¡ If erosion were present, the final cover would be repaired. ¡ If a localized breach of the final cover were present, the cover would be repaired and the leachate system would be periodically assessed and inspected. ¡ If there were multiple or and indeterminant number of breach locations in the final cover, another cover / cap system could be installed over the existing cover. ¡ If the monitoring wells detected abnormal performance results, additional wells could be installed and the monitoring frequency increased. ¡ Erosion of the berm would be mitigated by maintaining a healthy vegetation cover.	3.2.4.1 11.2	3-18 11-3	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	
EIS-440	Drilling machinery will kept be clean and leak free	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-441	Service, washing or refuel and storage of these substances for the machinery will be away from surface water features.	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-442	Emergency spill kits will be kept on site in the event of a fluid leak or spill. Potential pathways for spilled products (e.g., storm drains) will be mapped and plans put in place to prevent entry of deleterious products into the storm drain system.	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-443	Where possible, drilling will occur during daylight hours, which will increase the probability of visually identifying a frac-out (i.e., a condition where drilling mud from a directional drilling operation is released through fractured bedrock and travels to the surface through surrounding porous materials)	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-444	Drilling mud, cuttings and all waste will be disposed of at appropriate disposal facility	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-445	All waste materials will be contained in a dugout or holding basin away from wetlands or other surface water features, or storm drains, to avoid entering natural surface water features, until the waste can be transported for disposal	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-446	Erosion and sediment control practices (e.g., silt fences, runoff management) applicable to the region and already in place at the CRL site will be used during construction of the transfer line to Perch Lake as the exit point for drilling will be within the Perch Lake riparian area	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-447	On-going monitoring will be in effect during all phases of drilling works to assess fluid pressure (by drillers) and changes in turbidity in local surface water features (by environmental monitors) that would indicate surface migration (frac-out) of drilling mud	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-448	All material and equipment required to contain and clean up a frac-out event will be available on site. ¡ In the event of frac-out: Work will be stopped and drilling mud will be contained. Care will be taken that cleanup effort does not result in damage to Perch Lake Swamp or Perch Lake	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-449	Containment booms, silt fences and other appropriate erosion control measures will be deployed to prevent further migration to surrounding areas. Erosion control equipment will be on site and ready for deployment	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-450	Drillers are to evaluate data and circumstances leading to the loss of circulation and, if possible, implement methods to seal the fracture. All spills will be evaluated and work will cease if frac-out cannot be stopped and/or thresholds of environmental regulations are exceeded (i.e., relevant water quality guidelines)	5.6.5.2.2	5-493	Construction	Construction	NSDF-specific	
EIS-451	A Directional Drilling Contingency Plan will be implemented if drilling is unsuccessful along the designated corridor. Enactment of this contingency plan will require review by the responsible parties with CNL prior to initiation	5.6.5.2.2	5-494	Construction	Construction	NSDF-specific	
EIS-452	The NSDF project is discussing design options with Ducks Unlimited Canada to incorporate artificial wetland components into the exfiltration gallery and non-contact stormwater discharge systems. The artificial wetland, if considered feasible, would be built within the footprint of the NSDF Project.	2.5.7.6.1	2-64	Construction	Construction	NSDF-specific	
EIS-453	Additionally, weather cover structure designs are being evaluated for compatibility with the NSDF Project configuration and if feasible, could be implemented as a mitigation measure and operational optimization	2.5.7.6.1	2-64	Construction and Operations	Construction	NSDF-specific	
EIS-16	Recognizing people's interest in understanding and participating in decisions that affect them, CNL will proactively seek, engage and support meaningful discussion on issues and opportunities related to the NSDF Project as part of the Public Information Program	5.10.9	5-862	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-10
EIS-18	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	5.10.9 11.3	5-863 11-4	Multiple/Ongoing	Public Information Program	Corporate/Site-wide	EIS-12
EIS-19	Recognizing people's interest in understanding and participating in decisions that affect them, CNL will proactively seek, engage and support meaningful discussion on issues and opportunities related to the NSDF Project as part of the PIP. CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	5.10.9	5-864	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-10
EIS-20	If the environmental monitoring program for surface water quality identifies that adverse environmental effects are greater than predicted, then CNL will evaluate the need for revised mitigation actions and management practices to manage effects.	5.5.6	5-359	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	EIS-6

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-24	Adaptive management is an important part of the Blanding's Turtle Road Mortality Mitigation Plan. Depending on results of monitoring, CNL is committed to taking additional actions, as required, to achieve a neutral or positive contribution to Blanding's turtles.	5.6.4.9.3	5-459	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-21
EIS-26	Adaptive management is an important part of the Blanding's Turtle Road Mortality Mitigation Plan. Depending on results of monitoring, CNL is committed to taking additional actions, as required, to achieve a neutral or positive contribution to Blanding's turtles.	5.6.7.8.1	5-583	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-21
EIS-27	To mitigate these potential effects, CNL will create new nesting mounds on both sides of Priority 2 culverts after they are replaced. Nest mounds will be monitored weekly during the nesting season and after periods of rain and maintenance of these mounds (e.g., vegetation removal) will also be completed at this time, if females are not present. Additionally, critical habitat will be assessed annually to ensure no significant loss at CRL and to determine compensation measures initiated at CRL or elsewhere.	5.6.7.8.4	5-586	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide	EIS-25
EIS-28	The importance of effects may be overestimated because the occupancy of critical habitat identified in the SSA remains unconfirmed despite considerable survey effort. To mitigate these potential effects, CNL will create new nesting mounds on both sides of Priority 2 culverts after they are replaced. Nest mounds will be monitored weekly during the nesting season and after periods of rain and maintenance of these mounds (e.g., vegetation removal) will also be completed at this time, if females are not present. Additionally, critical habitat will be assessed annually to ensure no significant loss at CRL and to determine compensation measures initiated at CRL or elsewhere.	5.6.7.8.4	5-586	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide	EIS-25
EIS-29	If the environmental monitoring and follow-up program identifies that adverse environmental effects are greater than predicted, then CNL will evaluate whether they result in changes to the conclusions in this EIS. If changes are confirmed, then CNL will evaluate the need for revised mitigation actions and management practices to manage effects.	5.7.9	5-724	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	EIS-6
EIS-33	Should previously undocumented archaeological resources be discovered, CNL will suspend construction immediately and will engage a licensed consultant to carry out archaeological fieldwork, in compliance with Section 48(1) of the Ontario Heritage Act	5.9.6	5-810	Construction	Environmental Protection	NSDF-specific	EIS-30
EIS-34	To mitigate these potential effects, CNL will create new nesting mounds on both sides of Priority 2 culverts after they are replaced. Nest mounds will be monitored weekly during the nesting season and after periods of rain and maintenance of these mounds (e.g., vegetation removal) will also be completed at this time, if females are not present.	8.3.5.2	8-15	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide	EIS-25
EIS-35	CNL will continue to provide updated information to interested contractors and suppliers on work packages as they develop	8.3.9.1	8-18	Construction	Construction	NSDF-specific	EIS-15
EIS-36	If the environmental monitoring program for surface water quality identifies that adverse environmental effects are greater than predicted, then CNL will evaluate the need for revised mitigation actions and management practices to manage effects.	Table 11.0-1	11-7	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific	EIS-6
EIS-39	CNL will competitively procure material and services for the NSDF Project	Table 5.10.1-1	5-814	Construction	Corporate/Site program	Corporate/Site-wide	EIS-38
EIS-41	While terrestrial effects are limited to the CRL site, which is restricted access, CNL will work to consult with the trappers to understand any remaining concerns.	Table 5.9.5-1	5-805	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-31
EIS-42	Should previously undocumented archaeological resources be discovered, CNL will suspend construction immediately and will engage a licensed consultant to carry out archaeological fieldwork, in compliance with Sec. 48 (1) of the Ontario Heritage Act.	Table 5.9.5-1	5-806	Construction	Environmental Protection	NSDF-specific	EIS-30
EIS-43	If any human remains are identified during construction, CNL will immediately notify the police or coroner, and the Registrar of Cemeteries, MTCS, and applicable Indigenous communities or groups	Table 5.9.5-1	5-806	Construction	Public Information Program	NSDF-specific	EIS-44

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-61	[Unrelated to NSDF] At WL, Douglas Point and Gentilly 1 prototype reactor sites, LLW that is not being disposed in-situ will be packaged and shipped to CRL for placement in storage pending availability of the NSDF Project	2.2.1.3	2-5	Multiple/Ongoing	Waste Management	Corporate/Site-wide	n/a
EIS-62	[Unrelated to NSDF project] In the event that historic LLW is identified in the PHAI after the closure of the two long term waste management facilities (engineered containment mounds), it will be packaged to meet the NSDF WAC and sent to CRL for disposal.	2.2.1.3	2-5	Multiple/Ongoing	Waste Management	Corporate/Site-wide	n/a
EIS-63	[Unrelated to NSDF project] At the prototype reactor sites, suitable clean waste will be sent to a commercial processor for reuse or recycling, with the remaining waste sent to local conventional municipal landfills.	2.2.1.5	2-5	Multiple/Ongoing	Waste Management	Corporate/Site-wide	n/a
EIS-71	In addition, erosion and sediment control practices (e.g., silt fences, runoff management) already in place at the CNL property will be used during construction around disturbed areas, and existing programs such as CNL's Management of Land and Habitat Procedure will be implemented.	2.5.5.3	2-52	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-73	The treated effluent will meet effluent discharge targets for protection of the environment and human health	2.5.7.6	2-62	Operations	EA Follow-up Monitoring Program	NSDF-specific	EIS-55
EIS-74	The LLW to be disposed at the NSDF Project will meet the Waste Acceptance Criteria (WAC) established to assure that it is acceptable for disposal at the NSDF Project to meet operational and post-closure safety requirements	3.1.1	3-1	Operations	Waste Management	NSDF-specific	EIS-47
EIS-76	Following its closure, the mound will resemble a grassy outcrop built into an existing hillside. It will be approximately 18 m tall and will occupy a 17 ha footprint on the CRL site. The mound will not be visible from the CRL main campus or the Ottawa River.	3.1.1	3-2	Closure	Design Authority and Design Engineering	NSDF-specific	EIS-50
EIS-85	The Environmental Protection Plan (AECOM 2018a) will be similar to that in place for other CRL projects and includes measures such as water spraying to control dust, vehicle maintenance standards to reduce emissions, and implementation of erosion and sediment controls. Fuels, lubricants and chemicals required for mechanical construction equipment will be delivered to the NSDF Project site in appropriately qualified vehicles and/or containers and dispensed and used, all in compliance with applicable legislation, codes and practices. Proper handling, storage and disposal of these materials will be achieved through compliance with the Environmental Protection, Waste Management and Occupational Safety and Health Programs	3.2.1.2	3-13	Construction and Operations	Environmental Protection	NSDF-specific	EIS-149
EIS-94	Maintenance activities for the ECM will be primarily associated with limiting erosion from surface water runoff and ground settlement within the ECM. The finished surface of the ECM will be elevated from the surrounding terrain, which will limit the quantity of surface water entering the ECM from outside areas. The slopes within the ECM will be sufficient to promote drainage and the ECM surface water collection ditches and related components will be lined with erosion control measures so sediment transport and erosion will be reduced.	3.2.4.1	3-18	Closure	Maintenance	NSDF-specific	EIS-183
EIS-109	Clean cover/aggregate stockpile areas will be established both within and outside of the ECM to support waste placement operations. The clean cover/aggregate areas will be large enough to accommodate cell construction and waste operations including adequate space for haul vehicles and waste loading equipment to operate. They will also be large enough to store overburden removed during construction and to stage soil used for cover purposes. Erosion and sediment control measures will be applied to clean cover/aggregate areas. Excavation of the ECM will generate approximately 560,000 m3 of excavated soil. Approximately 365,000 m3 of this amount will require interim or permanent storage during construction. The soil will be stored at a location on the CRL site managed by CRL Waste Operations.	3.4.1.8.2	3-43	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-117	The vegetation will be limited to grass species that are maintenance free and drought resistant. Maintenance activities during the institutional control period will include removal of trees and other deep rooted type vegetation, as well as conducting physical inspections for animal burrows over the ECM surface.	3.4.1.9.3	3-50	Post-Closure/Institutional Control	Maintenance	NSDF-specific	EIS-96

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-135	Sewage discharges to the sewage disposal systems will conform to CNL's Environmental Protection Program procedure, Acceptability Criteria for Routine and Non-Routine Discharge of Liquids on the CRL Site	3.4.4.4	3-68	Operations	Environmental Protection	Corporate/Site-wide	EIS-182
EIS-145	As well, a passive LFG venting system will be constructed during installation of the ECM final cover system and will be monitored periodically during the ECM post-closure phase to detect evidence of potential LFG migration away from the ECM	3.5.1.3	3-79	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-150	All activities related to the NSDF Project construction will be performed according to the contractor's approved Health, Safety, Security and Environment Plan, which will be compliant with the Occupational Health and Safety Act.	3.5.2.4	3-83	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-199
EIS-153	Follow-up monitoring will be used to verify predictions made in the final EIS, which will be communicated through CNL's Public Information Program (CNL 2020). CNL will continue with these efforts to inform the public on the NSDF Project and address the perception of risk.	4.5	4-38	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-11
EIS-156	The Dust Management Plan (AECOM 2018a) to be implemented for the NSDF Project will provide information on dust mitigation, including: Use of water spraying or misting techniques (e.g., water trucks) as the primary dust control method. Use of fixatives (e.g., chemical suppressant) for dust control. Covering stockpiles and exposed areas prior to high wind or dry conditions where standard dust suppressants may be inadequate in preventing dust generation caused by wind erosion. Minimizing the size of the exposed working areas containing contaminated materials to the extent practicable using a phased excavation approach. Revegetating affected areas or adding mulch to completed cells and excavated areas as soon as practicable. Dampening soil in dry areas prior to commencing truck/machinery activities in the area. Reducing activities to avoid unnecessary dust generation; Using wind fencing around work areas. Postponing work activities likely to cause dust if sustained wind speeds are predicted to exceed 40 km/hr, unless it can be shown that the work site is sufficiently protected that wind will not generate unacceptable amounts of dust.	Table 5.2.1-8	5-51	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249
EIS-161	On-site vehicles and equipment engines will be maintained in good working order.	Table 5.2.2-5	5-86	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-163	The emergency power generator will only be used to supply electricity during power outage when other equipment is not operation	Table 5.2.2-9	5-90	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-164	A passive landfill gas venting system will be constructed contemporaneously with installation of the ECM final cover system which will provide measured concentrations and emission rates	Table 5.2.2-13	5-96	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-165	The landfill gas monitoring probes will also be installed around the perimeter of the ECM to detect evidence of potential landfill gas migration away from the ECM.	Table 5.2.2-13	5-96	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-167	Erosion and sediment control practices (e.g., silt fences, runoff management) applicable to the region and already in place at the CRL site (i.e., CNL's procedure for Management of Land, Habitat and Wildlife [CNL 2018c]) will be used during construction around disturbed areas, where appropriate.	Table 5.3.1-4	5-141	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-168	Blasting activities will follow industry standard Best Management Practices and applicable federal regulations. Physical changes to the bedrock resulting from blasting (e.g., blast-induced fracturing) will be limited to the local area within the ECM footprint.	Table 5.3.1-4	5-141	Construction	Construction	NSDF-specific	EIS-82
EIS-171	Rock that cannot be recycled for reuse will either be stored at the CRL site or cleared for off-site use	5.3.1.5.2.2	5-149	Construction	Waste Management	Corporate/Site-wide	EIS-83
EIS-173	For each SWMP, the water level will be sampled to estimate the inflow and outflow of each pond. ¡ The outlet water quality will be sampled periodically to confirm that surface water discharges meet applicable environmental criteria.	Table 5.3.2-7	5-192	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-140
EIS-175	Treated effluent will be sampled and confirmed that it meets the effluent discharge targets before release to the environment.	Table 5.3.2-7	5-194	Operations	Environmental Protection	NSDF-specific	EIS-55

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-178	The treated effluent discharge will meet federal and provincial guidelines for protection of aquatic biota for non-radiological constituents and will meet drinking water guidelines for radiological constituents. One exception is tritium, for which the discharge target is 360,000 Bq/L. The discharge target, although exceeding the drinking water guideline for tritium of 7,000 Bq/L is well below the no-effects concentration for biota of 17,400,000 Bq/L for the CRL site (CNL 2019d).	5.3.2.6.2.1	5-209	Operations	Environmental Protection	NSDF-specific	EIS-55
EIS-179	Impacts on groundwater quality from discharge of the treated effluent to ground via the exfiltration gallery will be negligible. Effluent will be monitored to verify that discharge targets are met.	5.3.2.6.2.1	5-209	Operations	Environmental Protection	NSDF-specific	EIS-55
EIS-184	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion.	Table 5.4.1-13	5-249	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-187	Sewage discharges to the sewage disposal systems will conform to CNL requirements for discharge to septic systems provided in CNL's Environmental Protection Program procedure Acceptability Criteria for Routine and Non-Routine Discharge of Liquids on the CRL Site	5.4.1.5.2.1	5-251	Operations	Environmental Protection	NSDF-specific	EIS-182
EIS-188	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion.	Table 5.4.1-21	5-260	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-189	Erosion and sediment control practices (e.g., silt fences, runoff management) applicable to the region and already in place at the CRL site will be used during construction around disturbed areas, where appropriate.	Table 5.4.1-21	5-260	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-190	A blasting plan, as part of the EPP, will be developed by the Contractor and implemented for the NSDF Project	Table 5.4.2-7	5-277	Construction	Construction	NSDF-specific	EIS-82
EIS-193	Mitigation, including erosion and sediment control practices (e.g., silt fences, silt curtains), will be used during construction around disturbed areas, where appropriate. Key fish habitat protection measures will include turbidity curtains to isolate any suspended sediments to the construction work areas within the lake	Table 5.4.2-7	5-278	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-196	A site-specific Erosion and Sediment Control Plan will be developed and implemented for this activity	Table 5.4.2-7	5-278	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-203	Annual inspections and maintenance activities will identify and address any erosion problems ¡ Inspections will be undertaken and maintenance activities completed, as required, after major storm events and after the annual spring melt to confirm there are no major erosion issues	Table 5.4.1-13	5-249	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-186
EIS-204	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery or to Perch Lake and initiate appropriate emergency responses	Table 5.4.2-7	5-280	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-208	Facility inspections will be completed on a defined schedule to confirm that inlets and outlets are clear of debris and to confirm that there are no major erosion issues at the inlet or outlet. As well, the integrity of berms and outlet structures will be confirmed by visual inspections that would identify soil erosion. Inspections will identify sediment clean-out requirements. Sediments will be extracted by excavation equipment and will be disposed of based on sediment sampling, testing and classification according to Ministry of Environment, Conservation and Parks standards or stockpiled, dewatered, and reused on-site for daily ECM cover operations. The sediment removal assessment follows procedures identified in the Stormwater Management Planning and Design Manual	5.4.2.5.2.1	5-286	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-140
EIS-212	Additional mitigation strategies will include: ¡ Machine operation will take place on land above the high-water mark of Perch Lake. ¡ Drilling machinery will be clean and leak free. ¡ Service, washing, refuelling and storage of operational liquids for the machinery will be kept at a distance from surface water features to ensure spills do not drain into the waterbody. Emergency spill kits will be kept available at the working site in the event of a fluid leak or spill. Potential pathways for spilled products (e.g., storm drains) should be mapped and plans put in place to prevent entry of deleterious products into the storm drain system. ¡ Where possible, drilling will be timed to occur during daylight hours, which will increase the probability of	5.4.2.5.2.2	5-293	Construction	Construction	NSDF-specific	EIS-440

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
	visually identifying a frac-out of drilling mud. ¡ Disposal of drilling mud, cuttings, and all waste will be directed to appropriate disposal facilities. All waste materials will be contained in a dugout or holding basin away from wetlands or other surface water features, or storm drains, to avoid entering natural surface water features, until they can be transported for disposal. ¡ Erosion and sediment control practices (e.g., silt fences, runoff management) applicable to the region and already in place at the CNL site will be used during construction of the transfer line to Perch Lake as the exit point for drilling will be within the Perch Lake riparian area. ¡ On-going monitoring will occur during all phases of drilling works, including fluid pressure (by drillers) and changes in turbidity in local surface water features (by environmental monitors) that would indicate surface migration (frac-out) of drilling mud.						
EIS-216	All in-water work will target the timing window of July 16 to October 1 to avoid critical fish spawning and egg/larval development periods for spring spawning fish species (DFO 2013, MNR 2013) while being protective of turtle overwintering habitats in and around Perch Lake. The construction duration is anticipated to be short term (i.e., <30 days).	Table 5.5.5-1	5-342	Construction	Construction	NSDF-specific	EIS-192
EIS-218	Potential changes in sediment concentrations from the use of heavy machinery during the construction period will be mitigated using erosion and sediment control measures, such as turbidity curtains for the duration of the construction. Best management practices will be followed, including those identified in the NSDF Environmental Protection Plan	5.5.5.2.2	5-355	Construction	Construction	NSDF-specific	EIS-136
EIS-220	Priority 2 culverts will be replaced when the NSDF Project is approved	5.6.4.9.1	5-447	Construction	Construction	NSDF-specific	EIS-23
EIS-226	Artificial nest mounds will be constructed on both sides of new and replaced culverts	Table 5.6.5-1	5-478	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide	EIS-221
EIS-229	The mitigation described in the DFO Ontario Operational Statement – High-Pressure Directional Drilling (DFO 2007) will be followed, including siting of the transfer line and access to temporary laydown and staging areas largely within a previously established access road ROW (Perch Lake Ring Road), minimization of vegetation removal beyond previously disturbed areas, creation of, and adherence to an emergency Frac-out Response Plan and Spill Contingency Plan during installation, and full-time environmental monitoring during all phases of transfer line works within the Perch Lake Swamp to evaluate adherence to environmental protection measures and make observations on signs of surface frac-out of drilling mud (i.e., release through fractured bedrock drilling mud that travels toward the surface). Evidence of frac-out will trigger implementation of the Frac-out Response Plan.	Table 5.6.5-1	5-478	Construction	Construction	Corporate/Site-wide	EIS-198
EIS-230	All in-water work will target the timing window of July 16 to October 1 to avoid critical fish spawning and egg/larval development periods for spring spawning fish species (DFO 2013, MNR 2013) while being protective of turtle overwintering habitats in and around Perch Lake. The construction duration is anticipated to be short term (i.e., <30 days).	Table 5.6.5-1	5-478	Construction	Construction	NSDF-specific	EIS-192
EIS-232	Erosion and sediment control practices (e.g., silt fences, runoff management) applicable to the region and already in place at the CRL site will be used during construction around disturbed areas, where appropriate.	Table 5.6.5-1	5-478	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-233	A comprehensive Sustainable Forest Management Plan will be implemented to ensure the long-term retention of trees serving as maternity roosts for the bat species	Table 5.6.5-1	5-478	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-40
EIS-240	The Dust Management Plan (AECOM 2018) for the NSDF Project will include: restricting or suspending activities if unacceptable amounts of dust are generated due to winds or other site conditions; use of water spraying or misting techniques (e.g., water trucks) as the primary dust control method; use of fixatives (e.g., chemical suppressant) for dust control and for use as daily ECM cover; suspension of excavating, loading, hauling and disposal operations when wind speeds exceed the specified criterion; and vehicles that have come into contact with contamination will be required to pass through the vehicle decontamination facility	Table 5.6.5-1	5-482	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-241	Appropriate procedures to identify emergency spill occurrences and response, as well as appropriate response to non-contact surface water or leachate contamination, will also be implemented as described in the Operations and Maintenance Plan.	Table 5.6.5-1	5-483	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-245	If vegetation clearing is scheduled in open habitat between late May and October, the habitat will be searched in advance of construction for the presence of milkweed. Areas of the footprint that contain milkweed will be cleared outside of late May to October to avoid effects on monarch butterflies.	5.6.5.2.1	5-485	Construction	Construction	NSDF-specific	EIS-237
EIS-250	Four Priority 2 culverts will be replaced within two years after the approval of the NSDF Project.	5.6.7.8.1	5-573	Construction	Construction	Corporate/Site-wide	EIS-23
EIS-251	Artificial nest mounds will be constructed on both sides of these culverts following guidelines developed by the Northeast Blanding's Turtle Working Group (NBTWG, no date). These artificial nesting mounds will be monitored for use by turtles during the nesting period using methods adapted from provincial protocols (MNR 2013b). Specifically, nesting surveys will be conducted at least once per week during the nesting period (May 15 to June 30); additional surveys will be completed after periods of rain to capture potential increases in nesting behaviour associated with even light rainfall (MNR 2013b; Golder 2019a). Nest mound maintenance (e.g., vegetation removal) will also be completed during nest mound inspections, if females are not present.	5.6.7.8.1	5-573	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide	EIS-221
EIS-256	To increase employee, contractor, and visitor awareness about the presence of turtles on the CRL site, the following mitigations will be implemented prior to the construction of the NSDF Project: An additional 12 permanent turtle crossing signs will installed along Plant Road and secondary roads (Figure 5.6.7-17); and The presence of turtles on the NSDF site will communicated to contractors and visitors at the outer gate or B700 lobby	5.6.7.8.1	5-583	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-222
EIS-257	Road mortality surveys will continue to be completed weekly along Plant Road and along hotspots on secondary roads during the active turtle season (April to October)	5.6.7.8.1	5-583	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-224
EIS-269	Any radioactive waste that is generated during site preparation and construction activities will be separated and managed according to existing procedures established for all CNL operated sites, which are consistent with applicable regulations.	5.10.5.2.2	5-849	Multiple/Ongoing	Waste Management	NSDF-specific	EIS-59
EIS-273	A comprehensive Sustainable Forest Management Plan will be implemented to ensure the long-term retention of trees serving as maternity roosts for the bat species.	Table 9-1	9-10	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-40
EIS-274	A perimeter fence around the NSDF will be implemented to prevent terrestrial land-based wildlife from gaining access to the ECM. Given the transient nature of exposure to birds and the low expected ambient concentrations, low exposures are expected for birds and as such no specific mitigations have been proposed.	Table 9-1	9-13	Construction	Construction	Corporate/Site-wide	EIS-40
EIS-276	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses.	Table 9-1	9-16	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-278	Annual inspection and maintenance activities will identify any erosion problems. In addition, an inspection and maintenance review will be completed after major storm events and after the annual spring melt to confirm there are no major erosion issues.	10.1.2	10-3	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-183
EIS-282	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	5.10.9	5-863	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-11
EIS-283	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	5.10.10	5-864	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-11
EIS-284	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	Table 11.0-1	11-11	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-11

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-285	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise.	Table 11.0-1	11-12	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-11
EIS-286	CNL will continue to provide updated information to interested contractors and suppliers on work packages as they develop	8.3.9.1	8-18	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-11
EIS-287	Throughout this process, CNL will maintain two-way dialogue between the stakeholder and the NSDF team until the issue is resolved.	11.3	11-4	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-17
EIS-288	CNL will continually evaluate both the process and the outcome of the on-going engagement and communication activities to address and manage issues as they arise	11.3	11-4	Multiple/Ongoing	Public Information Program	NSDF-specific	EIS-17
EIS-289	The application of road salt on the NSDF Project site is to be minimized as salt residual within contact water and/or leachate may compromise the treatment effectiveness of the WWTP systems.	3.4.4.5.2	3-74	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-22
EIS-290	As stated in the plan, the application of road salt on the CRL site will be limited as salt residual within contact water and/or leachate may compromise the treatment effectiveness of the WWTP systems	5.3.1.5.2.1	5-147	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-22
EIS-291	As per the plan, the application of road salt on the NSDF site will be to be limited as salt residual within contact water and/or leachate may compromise the treatment effectiveness of the WWTP systems.	5.3.2.5.2.1	5-197	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-22
EIS-292	As per the plan, the application of road salt in the SSA will be to be limited as salt residual within contact water and/or leachate may compromise the treatment effectiveness of the WWTP systems.	5.4.2.5.2.1	5-286	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-22
EIS-293	As per the plan, the application of road salt in the SSA will be to be limited as salt residual within contact water and/or leachate may compromise the treatment effectiveness of the WWTP systems.	5.5.5.2.1	5-349	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-22
EIS-294	Per the plan, the application of road salt on the SSA will be to be limited as salt residual within contact water and/or leachate may compromise the treatment effectiveness of the WWTP systems.	5.6.5.2.1	5-489	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-22
EIS-295	To mitigate these potential effects, CNL will create new nesting mounds on both sides of Priority 2 culverts after they are replaced	5.6.7.11.2	5-604	Multiple/Ongoing	Maintenance	Corporate/Site-wide	EIS-23
EIS-296	The NSDF Project will competitively procure material and services from local and regional communities	Table 9-1	9-18	Construction and Operations	Good Corporate Responsibility	NSDF-specific	EIS-38
EIS-297	CNL will competitively procure material and services from local and regional communities	Table 5.10.5-1	5-842	Construction and Operations	Good Corporate Responsibility	NSDF-specific	EIS-38
EIS-298	The NSDF Project will competitively procure material and services from local and regional communities	Table 5.10.10-1	5-865	Construction and Operations	Good Corporate Responsibility	NSDF-specific	EIS-38
EIS-299	CNL has committed to mitigation such as bat boxes and a comprehensive Sustainable Forest Management Plan	5.6.7.7.4	5-572	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-40
EIS-300	As well, a comprehensive Sustainable Forest Management Plan is being developed for the CRL site, with an objective to ensure the long-term retention of trees serving as maternity roosts for bat species.	5.6.7.11.1	5-603	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-40
EIS-301	CNL has committed to a comprehensive Sustainable Forest Management Plan to protect and improve roosting habitat in the RSA through time	5.6.9	5-608	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-40
EIS-302	A comprehensive Sustainable Forest Management Plan will be implemented to ensure the long-term retention of trees serving as maternity roosts for the bat species	Table 5.6.9-1	5-610	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-40
EIS-303	A comprehensive Sustainable Forest Management Plan is being developed for the CRL site, with an objective to ensure the long-term retention of trees serving as maternity roosts for bat species.	5.9.4.1.2.3	5-787	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-40
EIS-304	As well, a comprehensive Sustainable Forest Management Plan is being developed for the CRL site, with an objective to ensure the long-term retention of trees serving as maternity roosts for bat species.	8.3.5.1	8-15	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-40

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-305	The treated effluent will meet effluent discharge targets protective of the environment and human health.	2.5.7.7	2-65	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-55
EIS-306	Impacts on groundwater from discharge of treated WWTP effluent will be negligible as the treated effluent will meet effluent discharge targets that are protective of the environment and human health.	5.3.2.6.2.2	5-210	Multiple/Ongoing	Environmental Protection	NSDF-specific	EIS-55
EIS-307	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.4.2-7	5-277	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-308	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.5.5-1	5-341	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-309	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.6.5-1	5-477	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-310	In addition, a 30 m buffer is established along all identified wetlands near the SSA.	5.6.5.2.1	5-487	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-311	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.6.9-1	5-609	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-312	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.6.9-1	5-609	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-313	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.6.9-1	5-610	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-314	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 5.6.9-1	5-611	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-315	A 30 m buffer area has been established along all identified wetlands near the ECM and no new construction is permitted within this 30 m buffer zone to protect the wetlands	Table 7.4.1-1	7-17	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-316	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion.	Table 9-1	9-6	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-317	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion.	Table 9-1	9-8	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-318	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 9-1	9-9	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-319	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 9-1	9-10	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-320	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 9-1	9-11	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-321	A 30 m buffer will be established along identified wetlands near the SSA; where the buffer can not be maintained, appropriate mitigation will be established to address any risk of erosion	Table 9-1	9-12	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-79
EIS-322	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 5.6.5-1	5-477	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-323	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 5.6.5-1	5-479	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-324	In addition, a 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	5.6.5.2.1	5-485	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-325	In addition to the wetlands buffer, a 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline	5.6.5.2.1	5-487	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-326	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 5.6.9-1	5-609	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-327	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 5.6.9-1	5-610	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-328	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 5.6.9-1	5-609	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-329	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 5.6.9-1	5-610	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-330	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 9-1	9-8	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-331	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 9-1	9-9	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-332	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 9-1	9-10	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-333	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 9-1	9-11	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-334	A 5 m treeline buffer is established from all property lines on the SSA to limit disturbance to vegetation and large tree roots at the treeline.	Table 9-1	9-12	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific	EIS-80
EIS-335	A buffer zone will also be maintained between the waste and the boundary of the disposal site.	5.6.5.2.1	5-487	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	EIS-81
EIS-336	Blasting activities will follow industry standard Best Management Practices, applicable federal regulations, and Fisheries and Oceans Canada guidelines for use of explosives	Table 5.5.5-1	5-341	Construction	Construction	NSDF-specific	EIS-82
EIS-337	A blasting plan, as part of the EPP, will be developed by the Contractor and implemented for the NSDF Project Blasting activities will follow industry standard best management practices and applicable federal regulations.	Table 5.6.5-1	5-480	Construction	Construction	NSDF-specific	EIS-82
EIS-338	Blasting activities will follow industry standard best management practices and applicable federal regulations, including the Explosives Act.	5.10.5.2.2	5-848	Construction	Construction	NSDF-specific	EIS-82
EIS-339	It is anticipated that the majority of blasted rock will be recycled for use within the construction of the ECM.	5.3.1.5.2.2	5-149	Construction	Waste Management	Corporate/Site-wide	EIS-83
EIS-340	It is anticipated that the majority of blasted rock will be recycled for use within the construction of the engineered containment mound	5.5.5.2.1	5-347	Construction	Waste Management	Corporate/Site-wide	EIS-83
EIS-341	It is anticipated that the majority of blasted rock will be recycled for use within the construction of the ECM	5.6.5.2.1	5-486	Construction	Waste Management	Corporate/Site-wide	EIS-83
EIS-342	Decommissioning of the WWTP and all associated surface water management structures will be completed after the leachate quantity and quality no longer requires treatment.	5.3.1.5.2.2	5-148	Closure	Clean Up Function	NSDF-specific	EIS-88
EIS-343	Decommissioning of the WWTP and all associated surface water management structures will be completed after the leachate quantity and quality no longer requires treatment. If the WWTP is required beyond its design life, the unit would be refurbished to enable continued treatment of leachate or other treatment options investigated.	5.4.2.5.2.2	5-290	Closure	Clean Up Function	NSDF-specific	EIS-88

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-344	Decommissioning of the WWTP and all associated surface water management structures will be completed after the leachate quantity and quality no longer requires treatment.	5.5.5.2.1	5-346	Closure	Clean Up Function	NSDF-specific	EIS-88
EIS-345	The maximum height of fill material, waste, and the final cover will be 18 m.	3.4.1.2	3-33	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-104
EIS-346	The combined thickness of the primary and secondary liners is 2.05 m	3.4.1.4	3-36	Construction and Operations	Design Authority and Design Engineering	NSDF-specific	EIS-111
EIS-347	A passive landfill gas venting system will be constructed contemporaneously with installation of the ECM final cover system which will provide measured concentrations and emission rates	Table 5.2.2-13	5-96	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-348	A passive landfill gas venting system will be constructed at the same time as installation of the ECM final cover system	Table 5.7.5-1	5-689	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-349	A passive landfill gas venting system will be constructed at the same time as installation of the ECM final cover system	Table 9-1	9-14	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-350	A passive landfill gas venting system will be constructed at the same time as installation of the ECM final cover system	Table 9-1	9-17	Closure	EA Follow-up Monitoring Program	NSDF-specific	EIS-118
EIS-351	The ECM surface water runoff controls will be maintained until the end of the institutional control period.	3.4.4.5	3-69	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-136
EIS-352	Transportation of equipment and construction materials will be scheduled during normal business and daylight hours to the greatest extent possible to limit inconvenience to local residents.	5.10.5.2.2	5-847	Construction and Operations	Construction	NSDF-specific	EIS-120
EIS-353	Access to the NSDF Project site is exclusively from within the CRL site boundary and access to the CRL site is strictly controlled by security personnel.	5.10.4.2.11	5-840	Multiple/Ongoing	Security	Corporate/Site-wide	EIS-134
EIS-354	Access to the NSDF Project site is exclusively from within the CRL site boundary and access to the CRL site is strictly controlled by security personnel.	5.10.5.2.1	5-845	Multiple/Ongoing	Security	Corporate/Site-wide	EIS-134
EIS-355	All wastes that arise as a result of the construction, operations and closure phases will be safely managed and in accordance with CNL's Waste Management Program.	Table 5.6.5-1	5-481	Multiple/Ongoing	Waste Management	NSDF-specific	EIS-142
EIS-356	Prior to construction, an Environmental Protection Plan will be developed by the Contractor listing measures for erosion and sediment control as well as spill management	5.4.2.5.2.2	5-292	Construction and Operations	Environmental Protection	NSDF-specific	EIS-149
EIS-357	Prior to construction, an Environmental Protection Plan will be developed by the Contractor listing measures for erosion and sediment control as well as spill management	5.5.5.2.2	5-355	Construction and Operations	Environmental Protection	NSDF-specific	EIS-149
EIS-358	An Environmental Protection Plan will be developed for the NSDF Project by the Contractor prior to construction and will include blasting, dust, sediment and erosion, and spill management measures and controls.	5.5.7	5-360	Construction and Operations	Environmental Protection	NSDF-specific	EIS-149
EIS-359	CNL has additional engagements planned throughout the environmental assessment process for which the records and feedback will be summarized in the final revision of the EIS (or Commission Member Document)	4.4	4-37	Pre-construction	Public Information Program	NSDF-specific	EIS-151
EIS-360	CNL intends to provide a revised IER as part of the Commission Member Document package for the CNSC Commission Hearing on the NSDF Project	6.1	6-2	Pre-construction	Public Information Program	NSDF-specific	EIS-151
EIS-361	Because of the on-going nature of these discussions and relationships, CNL intends to provide a revised IER as part of the Commission Member Document package for the CNSC Commission Hearing on the NSDF Project.	6.1	6-2	Pre-construction	Public Information Program	NSDF-specific	EIS-151
EIS-362	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order	Table 5.2.1-18	5-77	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-363	on-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order;	5.2.2.6.3	5-92	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-364	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order.	Table 5.3.1-4	5-142	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-365	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order	Table 5.4.2-7	5-279	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-366	On-site vehicles and equipment engines will meet Tier 2 emission standards as described in Section 5.2 and be maintained in good working order	Table 5.5.5-1	5-342	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-367	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order	Table 5.6.5-1	5-482	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-368	Using on-site vehicles and equipment engines that meet Tier 2 emission standards and maintaining them in good working order	8.3.1.1	8-8	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-369	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order	8.3.1.2	8-9	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-370	On-site vehicles and equipment engines will meet Tier 2 emission standards and be maintained in good working order	Table 9-1	9-3	Multiple/Ongoing	Maintenance	NSDF-specific	EIS-157
EIS-371	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates)	Table 5.2.1-18	5-77	Operations	Conduct of Operations	NSDF-specific	EIS-158
EIS-372	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates)	Table 5.7.5-1	5-689	Operations	Conduct of Operations	NSDF-specific	EIS-158
EIS-373	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates)	Table 5.8.5-1	5-739	Operations	Conduct of Operations	NSDF-specific	EIS-158
EIS-374	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates)	Table 9-1	9-3	Operations	Conduct of Operations	NSDF-specific	EIS-158
EIS-375	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates)	Table 9-1	9-13	Operations	Conduct of Operations	NSDF-specific	EIS-158
EIS-376	Processed wastewater will not be heated within the WWTP (raising the temperature increases potential release rates)	Table 9-1	9-15	Operations	Conduct of Operations	NSDF-specific	EIS-158
EIS-377	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release	Table 5.2.1-18	5-77	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-159
EIS-378	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release	Table 5.7.5-1	5-689	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-159
EIS-379	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release	Table 5.8.5-1	5-739	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-159
EIS-380	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release	Table 9-1	9-3	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-159
EIS-381	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release	Table 9-1	9-13	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-159
EIS-382	There is active ventilation within the WWTP building and all active ventilation exhaust will be filtered through HEPA prior to release	Table 9-1	9-15	Operations	Design Authority and Design Engineering	NSDF-specific	EIS-159

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-383	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses.	Table 5.3.2-9	5-216	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-384	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery or to Perch Lake and initiate appropriate emergency responses	Table 5.4.2-17	5-313	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-385	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses	Table 5.5.5-1	5-343	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-386	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses	Table 5.7.5-1	5-689	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-387	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses.	Table 5.8.5-1	5-739	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-388	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses.	Table 9-1	9-5	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-389	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses.	Table 9-1	9-7	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-390	Appropriate procedures will be in place to effectively identify spill occurrences in the event treated effluent is released to areas other than directly to the exfiltration gallery and initiate appropriate emergency responses.	Table 9-1	9-13	Operations	Conduct of Operations	NSDF-specific	EIS-176
EIS-391	Specifically, in-water construction work will be completed within the recommended timing window of July 16 to March 14 to avoid any effects to spawning and egg/larval development of spring spawning fish species in Perch Lake (i.e., in-water work will avoid the restricted period of March 15 to July 15;	5.5.5.2.2	5-355	Construction	Construction	NSDF-specific	EIS-192
EIS-392	Industrial equipment will be well maintained and free of leaks, invasive species and noxious weeds. Machinery will be operated from above the high-water mark or from a barge to minimize the disturbance of the lakebed, riparian area, and shoreline. Vegetative mats and riparian protection measures will be used when mobilizing to and from the site.	Table 5.5.5-1	5-342	Construction	Construction	NSDF-specific	EIS-194
EIS-393	Clearing of any riparian vegetation and organic materials will be minimized, materials removed will be salvaged and replaced once the project is completed. Disturbed riparian areas and shorelines will be re-vegetated and restored to the original stable gradient and contour. All construction materials will be removed from site upon completion of the project.	Table 5.5.5-1	5-342	Construction	Construction	NSDF-specific	EIS-195
EIS-394	A site-specific 'Spill Management Plan' will be developed and implemented for this activity. Any refuelling will occur at least 30 m away from the lake or waterbodies.	Table 5.5.5-1	5-342	Construction and Operations	Construction	NSDF-specific	EIS-197
EIS-395	An additional 12 permanent turtle crossing signs will installed along Plant Road and secondary roads	5.6.7.8.1	5-583	Construction	Environmental Protection	Corporate/Site-wide	EIS-222
EIS-396	Road grading and levelling activities will not be completed during the turtle terrestrial season (May 15 to September 30)	Table 5.6.5-1	5-481	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-223
EIS-397	Additionally, to avoid negative interactions with nesting turtles, road grading and levelling activities will not be completed during the turtle terrestrial season (May 15 to September 30)	5.6.7.8.1	5-576	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-223

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-398	Road grading and levelling activities will not be completed during the turtle terrestrial season (May 15 to September 30).	Table 5.6.9-1	5-611	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-223
EIS-399	Critical Blanding's turtle habitat will be assessed annually to ensure no significant loss at CRL and to determine compensation measures initiated at CRL or elsewhere	Table 5.6.9-1	5-611	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-225
EIS-400	Critical Blanding's turtle habitat will be assessed annually to ensure no significant loss at CRL and to determine compensation measures initiated at CRL or elsewhere	Table 9-1	9-11	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide	EIS-225
EIS-401	New and replaced culverts will be enhanced by planting native vegetation around the culvert entrances, while maintaining a clear line of site through the culvert	Table 5.6.9-1	5-611	Construction	Environmental Protection	Corporate/Site-wide	EIS-227
EIS-402	New and replaced culverts will be enhanced by planting native vegetation around the culvert entrances, while maintaining a clear line of site through the culvert.	Table 9-1	9-11	Construction	Environmental Protection	Corporate/Site-wide	EIS-227
EIS-403	New and replaced culverts will be enhanced by having nesting mounds created nearby on both sides of the culvert, as well as by planting native vegetation around the culvert entrances, while maintaining a clear line of site through the culver	5.6.4.9.2	5-448	Construction	Environmental Protection	Corporate/Site-wide	EIS-227
EIS-404	Avoid conducting the activities with highest levels of noise and habitat disturbance during most sensitive life history phase (i.e., breeding and nesting for birds) by conducting vegetation clearing and grubbing before April 8 or after August 31 to avoid effects on nesting birds	Table 5.6.9-1	5-609	Construction and Operations	Construction	NSDF-specific	EIS-234
EIS-405	Avoid conducting the activities with highest levels of noise and habitat disturbance during most sensitive life history phase (i.e., maternity roosting for bats) by conducting vegetation clearing and grubbing before April 8 or after August 31 to avoid effects on bat maternity roosts	Table 5.6.9-1	5-610	Construction and Operations	Construction	NSDF-specific	EIS-234
EIS-406	If vegetation clearing is scheduled in open habitat between late May and October, the habitat will be searched in advance of construction for the presence of milkweed	5.6.5.2.1	5-485	Construction	Construction	NSDF-specific	EIS-237
EIS-407	If vegetation clearing is scheduled in open habitat between late May and October, the habitat will be searched in advance of construction for the presence of milkweed	Table 5.6.9-1	5-612	Construction	Construction	NSDF-specific	EIS-237
EIS-408	If vegetation clearing is scheduled in open habitat between late May and October, the habitat will be searched in advance of construction for the presence of milkweed.	Table 9-1	9-12	Construction	Construction	NSDF-specific	EIS-237
EIS-409	If vegetation clearing in small areas with simple habitat (i.e., that can be effectively searched for nests) cannot be conducted outside the breeding bird nesting period (April 8 to August 28), or bat maternity roosting period (May 1 to August 31), pre-clearing bird and bat surveys will be completed to confirm no active nests/roosts are present in trees to be felled	Table 5.6.5-1	5-479	Construction and Operations	Construction	NSDF-specific	EIS-234
EIS-410	An Invasive Species Management Plan in keeping with best management practices such as the MNR Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (MNRF 2019a) will be implemented to limit effects of noxious and invasive plants on natural vegetation	Table 5.6.5-1	5-481	Construction	Construction	NSDF-specific	EIS-247
EIS-411	Dust control will be conducted to support waste placement operations in accordance with the Dust Management Plan	5.10.5.2.2	5-846	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249
EIS-412	Dust control will be conducted to support waste placement operations in accordance with the Dust Management Plan during loading, transportation, placement and compaction operations	10.1.4	10-6	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249
EIS-413	Dust control will be conducted to support waste placement operations in accordance with the Dust Management Plan	5.3.1.5.2.2	5-150	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249
EIS-414	Dust control will be conducted to support waste placement operations in accordance with the Dust Management Plan	5.4.2.5.2.2	5-291	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249
EIS-415	Dust control will be conducted to support waste placement operations in accordance with the Dust Management Plan	5.5.5.2.2	5-356	Construction and Operations	Conduct of Operations	NSDF-specific	EIS-249

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-416	Reptile exclusion fencing will be installed around the perimeter of the SSA prior to initiating activities during the construction phase and prior to the active Blanding's turtle season (i.e., prior to April). This mitigation will also benefit milksnakes.	Table 5.6.9-1	5-611	Construction	Construction	NSDF-specific	EIS-258
EIS-417	Reptile exclusion fencing will be installed around the perimeter of the SSA prior to initiating activities during the construction phase and prior to the active Blanding's turtle season (i.e., prior to April).	Table 9-1	9-11	Construction	Construction	NSDF-specific	EIS-258
EIS-418	Reptile exclusion fencing will be installed around the perimeter of the SSA prior to initiating activities during the construction phase and prior to the active Blanding's turtle season (i.e., prior to April). This mitigation will also benefit milksnakes.	Table 5.6.5-1	5-481	Construction	Construction	NSDF-specific	EIS-258
EIS-419	This permanent reptile exclusion fencing will be installed around the perimeter of the site and will remain in place for the life of the NSDF Project to avoid having Blanding's turtles access the active site and become at risk of injury or mortality	5.6.7.8.1	5-576	Construction	Construction	NSDF-specific	EIS-258
EIS-420	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.7.3.3	5-626	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-421	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day	5.8.3.3	5-734	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-422	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	8.3.2	8-10	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-423	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	8.3.3	8-11	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-424	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	8.3.4	8-13	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-425	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	8.3.5	8-14	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-426	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	8.3.6	8-16	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-427	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	8.3.7	8-17	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-428	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.3.1.3.3	5-106	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-429	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.3.2.3.3	5-156	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-430	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.8.3.3	5-734	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-431	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.4.2.3.3	5-267	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-432	The end-state plan for the CRL site will be to return lands disturbed by site activities to a condition that is physically stable and safe in keeping with the land use and landscape of the day.	5.5.3.3	5-324	Closure	Good Corporate Responsibility	Corporate/Site-wide	EIS-259
EIS-433	Bat boxes will remain in place throughout the construction and operations phases. Visual monitoring of bat boxes will be conducted weekly every year during the pre-construction phase and will continue through construction and for three years after start of operations.	Table 11.0-1	11-9	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide	EIS-260

ID	Details of the Commitment	Section / Table	Page #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment	Duplicate Cross-reference
EIS-434	As part of the Environmental Assessment Monitoring and Follow-up Program, with respect to the noise assessment, a traffic count study will be completed along Highway 17 and Plant Road as a pre-construction activity.	Table 11.0-1	11-11	Construction	EA Follow-up Monitoring Program	NSDF-specific	EIS-270
EIS-435	Radon-emitting wastes will be preferentially placed in the lower levels of the ECM	Table 5.7.5-1	5-690	Operations	Conduct of Operations	NSDF-specific	EIS-275
EIS-436	Bare or eroded areas will be rolled, regraded, replanted and remulched, and treatments will be applied as required to keep grass and soil free of pests and pathogens or disease	10.1.4	10-6	Closure	Maintenance	NSDF-specific	EIS-277
EIS-437	Treatments will be applied as required to keep grass and soil free of pests and pathogens or disease	Table 10.6-1	10-16	Closure	Maintenance	NSDF-specific	EIS-277
EIS-438	Monitoring during the institutional control period will confirm the performance of the containment system, and if necessary, remedial actions will be taken	3.2.4.1	3-18	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	EIS-281
EIS-439	Maintenance activities during the institutional control period will include removal of trees and other deep rooted type vegetation, as well as conducting physical inspections for animal burrows over the ECM surface.	3.4.1.9.3	3-50	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific	EIS-281

Table A-2: Commitments in CNL responses to Federal and Provincial Information Requests

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	FP-1	There will be a small portion of waste which will be required to utilize robust packaging to prevent higher concentrations of specific contaminants in the leachate.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-5 (also in Public comments, e.g., ND261, ND272)	Operations	Conduct of Operations	NSDF-specific
	FP-3	Should the project store explosives onsite, a Magazine licence from NRCan will be obtained by the NSDF Project.	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-13 and FC-14	Construction	Construction	NSDF-specific
	FP-4	The specific details for storage structure and other ancillary works [for blasting] will be further developed should the NSDF Project be approved.	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-14	Construction	Construction	NSDF-specific
	FP-5	Beta dose rates will be reduced via packaging but the limit is specified to ensure that excessive shallow/skin doses are not encountered on packages that may simply comprise a bagged/double bagged contaminated item.	FPRT IR first round. 232-509220-055-000 Revision 2	CNSC FC-16	Operations	Waste Management	Corporate/Site-wide
	FP-6	Any waste accepted using the Infrequently Performed Operations process will be reported to the CNSC in CRL's Annual Compliance Report.	FPRT IR first round. 232-509220-055-000 Revision 2	CNSC FC-20 (also in Public comments e.g., ND176, ND194)	Operations	Compliance	NSDF-specific
	FP-8	If the daily cover consists of relatively impermeable soil, water cannot migrate uniformly through the waste. Instead, water will be channeled in the landfill... The generated leachate will be collected and treated by the properly sized and designed collection system, equalization tank, and wastewater treatment plant.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-25	Operations	Conduct of Operations	NSDF-specific
	FP-13	CNSC, as the regulatory authority for the project, will coordinate the review of the follow-up monitoring program with Environment Canada and other interested Federal and Provincial agencies. Input from the public and Indigenous people will also be considered.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-52	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific
	FP-14	Blasting will be required for excavation of bedrock during the construction phase. Section 5.10.5 includes a qualitative evaluation of noise from blasting activities and a quantitative evaluation of noise from construction traffic.	FPRT IR first round. 232-509220-055-000 Revision 2	HC FC-53	Construction	Construction	NSDF-specific
	FP-15	Treated effluent will be directed to the Exfiltration Gallery and to Perch Lake. This strategy will eliminate any potential for overland flow through East Swamp wetland from the Exfiltration Gallery.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-72	Operations	Design Authority and Design Engineering	NSDF-specific
	FP-16	The [exfiltration gallery] design is being updated to reflect latest percolation test data obtained at the proposed gallery location. The design update will include frost protection to the system.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-72	Operations	Design Authority and Design Engineering	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	FP-19	Adherence to these standards [N288, CSA Group, etc.] when developing monitoring plans ensure a systematic and transparent approach thus the monitoring plans (when prepared) will correlate monitored parameters with potential or residual adverse effects on the environment. Parameter thresholds for which mitigation actions are required will also be identified within the monitoring plans.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-85	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific
	FP-20	The more detailed monitoring and follow-up programs will be submitted to the Canadian Nuclear Safety Commission for review. The CNSC, as the regulatory authority for the designated project, will also coordinate the review of the follow-up monitoring program with other interested federal and provincial agencies. The final follow-up monitoring program will be required to meet any objectives and activities that the EA Report specifies (to be prepared by the CNSC).	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-85	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific
	FP-21	Th[e] [bat research] information will not only allow for increased protection of maternity roosts on the CRL site but will also aid in protecting the species at a larger landscape level as the research conducted will increase the knowledge of local specific habitat requirements. With a greater understanding of important biophysical attributes at the landscape scale these elements can be protected which will allow for preservation of important summer roosting habitat. This information will be used for the development of a Sustainable Forest Management Plan (FMP) at CRL.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-90 and FC-98, FC-108, FC-109	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
	FP-23	Further [biodiversity] surveys throughout the CRL site will be conducted as part of CNL amphibian survey to be conducted every 5 years starting in 2020.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-92	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
	FP-28	Because the NSDF construction will be initiated outside of the breeding season with the vegetation removal, the level of noise in the area when the birds will come back from migration will already be higher than baseline noise level. For this reason if the level of noise represent a stressor, pairs will naturally be displaced and build their nests in a location where they are comfortable. With the estimated 1701 ha of suitable habitat present at CRL, CNL is of the opinion that the Canada Warbler is adequately protected with the information available today.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-105	Construction	Construction	NSDF-specific
	FP-30	The destruction of critical habitat for the Blanding's turtle will require a permit under Section 73 of SARA. ECCC issues permits for activities affecting species listed on Schedule 1 of SARA on a case-by-case basis.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Pre-construction	Environmental Protection	NSDF-specific
	FP-35	Groundwater flow modeling indicates that impact of the effluent discharges on water-levels will be localized to the vicinity of the exfiltration gallery. A portion of the treated effluent may also be routed to Perch Lake for direct discharge to Perch Lake. The expected discharge volumes will not have an effect on Perch Lake water levels.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Operations	Design Authority and Design Engineering	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	FP-36	CNL can provide assurance that discharged effluent will not flow back towards the ECM. Groundwater flow in the vicinity of the discharge point is towards East Swamp, a topographic low. The elevation of the ECM is well above the location of the discharge point.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-122	Operations	Design Authority and Design Engineering	NSDF-specific
	FP-37	An updated approach to Ecological Risk Assessment (EcoRA) has been prepared for the post-closure phase and will be submitted as a Technical Supporting Document to the EIS.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-124 and FC-125	Multiple/Ongoing	Safety Analysis	NSDF-specific
	FP-38	...the Pointe au Baptême site is not in the footprint nor will it be impacted by the proposed NSDF Project... traditional access to the Pointe au Baptême site along the Ottawa River will continue to occur and will not be restricted due to the NSDF Project.	FPRT IR first round. 232-509220-055-000 Revision 2	CNSC FC-154	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
	FP-39	It is estimated that there will be approximately 200 trucks per day during construction (based on a construction season of 9 months) and 10 trucks per day during operations.	FPRT IR first round. 232-509220-055-000 Revision 2	HC FC-166	Construction and Operations	Construction	NSDF-specific
	FP-41	Note that conventional structures [such as buildings for the NSDF] are designed for [the] operational period and will be decommissioned during post-closure period.	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-175	Closure	Design Authority and Design Engineering	NSDF-specific
	FP-42	The liquefaction mitigation measure will be excavation and removal of liquefiable soils underlying the ECM and replacing these with compacted engineered granular material.	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-176	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific
	FP-44	Overburden soil susceptible to liquefaction will be excavated down to the top of the very dense glacial till or bedrock and replaced with compacted engineered granular material	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-180	Construction	Design Authority and Design Engineering	NSDF-specific
	FP-47	As such the topsoil [of the ECM footprint] will be stored in piles for later reuse as final landscaping of the NSDF Project site, for application elsewhere on the CRL site, or for the ECM final cover system.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-197	Construction and Operations	Construction	NSDF-specific
	FP-49	Based on CNL's Integrated Waste Strategy, the current plan is near-term decommissioning of the site with the exception of the reactor building which will continue in ongoing storage with surveillance… Gentilly-1 is a separately managed process, which CNL will ensure adequate public and stakeholder engagements as part of the decommissioning planning process...	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-200	Multiple/Ongoing	Clean Up Function	Corporate/Site-wide
	FP-50	Construction of the geomembrane will follow a stringent construction/installation plan with confirmatory tests and inspection by qualified personnel. After the geomembrane is installed, electrical dipole testing will be performed after placing a select layer of the waste. During operation (waste placement), the performance of the geomembrane will be monitored through the leachate quantity observed in the Leachate Collection System (LCS)	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-203	Construction and Operations	Construction	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
		and LDS that were part of the base liner systems. Leachate will be collected and treated.					
	FP-52	The majority of the waste in the NSDF will be bulk waste. Bulk waste will be compacted to optimize its in-place density, reduce void space, and ensure stability. Some of the waste in the NSDF will be containerized waste. The void space in the containers placed in the ECM will be controlled by grouting or compaction. All the above listed activities will minimize any settling and ensure that the mound is structurally sound to support the final cover. The ECM design included the differential settlement analyses and concluded that the differential settlement will not compromise the integrity of the final cover system. Further optimization of waste and containerized waste placement will be conducted in the future operational phase.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-203	Operations	Conduct of Operations	NSDF-specific
	FP-55	Further CNL's effluent monitoring program for the proposed Wastewater Treatment Plant will meet requirements for effluent toxicity testing in accordance with CNSC RegDoc 2.9.1 "Environmental Principles, Assessments and Protection."	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-206	Operations	Environmental Protection	NSDF-specific
	FP-57	A portion of the treated effluent will be routed to Perch Lake... Provision for routing effluent to Perch Lake will provide operational controls to eliminate the potential for overland flow.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-207	Operations	Design Authority and Design Engineering	NSDF-specific
	FP-58	CNL will also attend public information events whenever requested.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-209	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
	FP-61	CNL will consider adding sediment monitoring stations in shoreline areas of the Ottawa River influenced by sediment accumulation from Perch Creek as part of the follow-up monitoring program for the NSDF... "CNL will consider the addition of sediment monitoring stations downstream of Perch Creek. "	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-215 and FC-225	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
	FP-64	No impacts on tourism or the quality of life in Quebec are expected as the project will not impact on Ottawa River quality, air quality or other environmental components in western Quebec.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-217	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
	FP-65	The NSDF will provide a safe, permanent solution at the CRL site for the disposal of low level radioactive waste (LLW), and will replace the current CNL practice of placing waste in interim storage.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-223	Multiple/Ongoing	Waste Management	Corporate/Site-wide
	FP-66	Environmental remediation of historically contaminated soils will be consistent with CNL's remediation process.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-223	Multiple/Ongoing	Clean Up Function	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	FP-71	the effluent discharge will not be directly to a wetland – it will be to an exfiltration gallery on the NSDF site or direct discharge to Perch Lake	FPRT IR first round. 232-509220-055-000 Revision 2	MOECC FC-244	Operations	Design Authority and Design Engineering	NSDF-specific
EIS-200	FP-72	The surface water management ponds discharges are to the adjacent wetlands and will be dispersed by level spreaders to achieve even flow distribution	FPRT IR first round. 232-509220-055-000 Revision 2	MOECC FC-256	Construction and Operations	Design Authority and Design Engineering	NSDF-specific
	FP-73	In the alternatives evaluation for a specific WMA, a range of alternatives from full remediation to in-situ management through implementation of an engineered cover will be evaluated.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-02	Multiple/Ongoing	Clean Up Function	Corporate/Site-wide
	FP-75	A revised series of tables (Enclosure B) will be included in the revised Indigenous Engagement Report (IER) that includes a complete description of CNL's engagement with each of the Indigenous communities or organizations identified in Table 6.2.2-1 regarding potential impacts to Indigenous and/or treaty rights.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-04	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
	FP-76	Although the opportunity still exists for the Indigenous communities and organizations to continue involvement, the ongoing updates will be incorporated in to the IER as the living document.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-04	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
	FP-77	CNL continues to update these draft responses pending feedback from the respective indigenous group and final version will be submitted in accordance with Step 29 of the NSDF Administrative Protocol (Table 1 of Appendix A) - this was with reference to the formal comments submitted in 2017.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-04	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
	FP-78	The IER remains a living document and will be revised to accompany the Final EIS (Step 31 o the NSDF Administrative Protocol (Table 1 of Appendix A) and to again with CNL's Commission Members Document prior to the Commission Hearing to include the most up to date information possible.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-04	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
	FP-80	The verification table (Enclosure C) that will be included in the IER outlines in more detail feedback from each Indigenous organization or community and how CNL addressed the interest or concern.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-04	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
	FP-81	The NSDF Project's routine self-assessment of its public engagement activities as well as public feedback will enable CNL to continuously evaluate the effectiveness of its engagement efforts. To this end, similar self-assessments will be routinely conducted every six months at all project phases of the NSDF to gauge public feedback of the NSDF Project developments.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-11	Multiple/Ongoing	Public Information Program	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	FP-88	Where an impact to a species at risk is noted and the project is subject to section 82, a notification letter will be sent to Environment and Climate Change Canada (ECCC) as per section 79 of the SAR Act… This review process cannot be conducted effectively until it is determined how and when the remediation projects will be conducted.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-08	Construction and Operations	Environmental Protection	Corporate/Site-wide
	FP-89	CNL recognizes that the construction of the NSDF Project will result in the destruction of 26 hectares (ha) of critical Blanding's turtle habitat that is defined in the Species At Risk Act (SARA) Recovery Strategy for the species [1]. Therefore, CNL will be required to apply for a SARA permit and implement measures to compensate for the removal of this habitat area.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-09	Pre-construction	Environmental Protection	NSDF-specific
	FP-93	As part of the environmental review process for any project at CRL, CNL will assess and determine the appropriate requirements for dewatering [activities associated with the environmental remediation of existing WMAs].	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-11	Construction	Clean Up Function	Corporate/Site-wide
	FP-96	Mitigation measures will include the notification of NSDF Project construction commencement via door-to-door delivery of letters, where stakeholders will be have the opportunity to voice their questions or concerns about activities related to the NSDF Project construction commencement. As part of the notification, the letter will include all CNL contact details (e.g., website, telephone, email etc.) to provide clear direction on how to contact CNL if they have questions, concerns or complaints related to the NSDF Project. A web link to a Feedback Form that is currently on the NSDF webpage on www.CNL.ca will also be included in the notification and will outline the above process of when an issue or concern is submitted.	FPRT IR second round. 232-509220-055-000 Revision 1	HC-2-02	Multiple/Ongoing	Public Information Program	NSDF-specific
	FP-98	The beach sand monitoring that is part of routine environmental monitoring of off-site locations as discussed above will continue to monitor any changes to radioactivity in beach sands along the Ottawa River including Pointe-au-Baptême, the closest beach to the mouth of Perch Creek. The results of these monitoring programs (EAFMP, CRL site-wide monitoring) will be reported in the annual environmental monitoring report.	FPRT IR second round. 232-509220-055-000 Revision 1	QC-2-05	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
	FP-99	The overall design of the ECM will be compatible with CRL site topography. The geometric profile and height of ECM shall be designed to ensure that ECM is not visible either from the Ottawa River, Plant Road or CRL campus. The base of the ECM (i.e., top of the primary liner) shall be designed to maintain a minimum of 1.5 m above the seasonal high groundwater table.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-06	Pre-construction	Design Authority and Design Engineering	NSDF-specific
	FP-100	CNL will be conducting a follow-up third party survey this fiscal year to further measure key indicators, such as awareness and interest in CNL projects... communication is not static and it continues to evolve, communication goals will continue to be measured along with analysis of public opinion.	FPRT IR third round. 232-509220-055-000 Revision 2	CNSC-3-03	Multiple/Ongoing	Public Information Program	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	FP-101	The total open cell area of Cells 1 and the adjacent temporary storage and waste receiving and processing area will be managed to not exceed 21,000 m^2. Stormwater in the remaining ECM area will be directed to non-contact water ponds by means of sacrificial liners, temporary berms, and portable pumps/piping.	FPRT IR third round. 232-509220-055-000 Revision 2	ECCC-3-01	Operations	Conduct of Operations	NSDF-specific
EIS-248	FP-102	The posted speed limit [along Highway 17] will not be altered as a result of this Project, and it is expected that current and future operators will follow the posted signage and there should not be abrupt speed changes. It is expected that future practices of operators will be consistent with current operator practices.	FPRT IR third round. 232-509220-055-000 Revision 2	HC-3-01	Construction and Operations	Good Corporate Responsibility	Corporate/Site-wide
EIS-82	FP-2	Should a licence or permit be required under the Explosives Act and supporting Explosives Regulation or the provincial OPSS 120 – General Specification for Use of Explosives, it will be obtained by the NSDF Project.	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-12 and FC-37	Construction	Construction	NSDF-specific
EIS-158	FP-7	CNL notes that processed wastewater will not be heated in the WWTP. The temperature of the treated effluent to be released to Perch Lake will be routinely monitored. The monitoring at the WWTP will be used to identify treated effluent conditions (elevated temperature conditions) that will prohibit its release to Perch Lake so that it can be held in storage until it can be released.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-24	Operations	Conduct of Operations	NSDF-specific
EIS-136	FP-9	The surface water management ponds will be monitored to ensure that discharges meet environmental protection criteria and confirm that the ecological function and structure of the wetland system is maintained.	FPRT IR first round. 232-509220-055-000 Revision 2	CNSC FC-28 and MOECC FC-238	Operations	EA Follow-up Monitoring Program	NSDF-specific
EIS-249	FP-10	A Dust Management Plan has been developed that identifies and describes the dust control measures the owner or operator will use to minimize dust from becoming airborne at the facility.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-43	Construction and Operations	Conduct of Operations	NSDF-specific
EIS-190	FP-11	A Blasting Plan will be prepared before start of construction by the Construction Contractor. CNL has also prepared an Invasive Species Management Plan [1]… Groundwater Monitoring to verify predictions of impacts on groundwater will be documented in the Environmental Assessment Follow-up Program currently under development.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-52	Construction	Construction	NSDF-specific
EIS-280	FP-12	An EA Follow-Up Monitoring program is under development for the NSDF Project. The conceptual monitoring program will be developed into detailed monitoring and follow-up programs as the project progresses through the environmental assessment process, which may influence the nature, frequency and locations of monitoring. The EA Follow-up Monitoring program will include sufficient information on the type, quantity and quality of information required to reliably verify predicted effects and confirm the effectiveness of mitigation. The EA Follow-up Monitoring Program will be prepared consistent with the Canadian Standards Association's Standards N288.4-10 (Environmental Monitoring Programs at Class I Nuclear Facilities and Uranium Mines and Mills	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-52 and FC-85, MDDELCC FC-225, MOECC FC-257	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
		[CSA Group 2010]), N288.5-11 (Effluent Monitoring Programs at Class I Nuclear Facilities and Uranium Mines and Mills [CSA Group 2011]) and N288.7-15 (Groundwater Protection Programs At Class I Nuclear Facilities and Uranium Mines and Mills [CSA Group 2015), as applicable.					
EIS-214	FP-17	This [EAFMP] monitoring will verify the effects predictions and provide data to evaluate changes. The potential risk to fish in the Perch Lake Basin will continue to be assessed through the conduct of the CRL Environmental Risk Assessment on a five year cycle.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-84	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
EIS-280	FP-18	Monitoring and follow-up programs are not specifically identified for the aquatic ecosystem, rather, operational monitoring (i.e., sampling of treated effluent in the storage tanks prior to discharge) and environmental monitoring programs for groundwater and surface water will be implemented to verify effects predictions... The plans will be developed into detailed monitoring and follow-up programs as the project progresses through the environmental assessment process, which may influence the nature, frequency and locations of monitoring. In addition, input from regulatory agencies, the public and Indigenous peoples will be considered.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-85	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide
EIS-40	FP-22	With a FMP in place, CNL will be in a position to better manage tree removal activities to protect sensitive roosting habitat and to provide the most appropriate mitigation measures to compensate for any habitat loss that could occur. In implementing a Sustainable FMP, CNL will ensure to maintain through time roost trees required to maintain the local bat population. For this reason, the NSDF Project will not contribute to significant adverse effects.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-90 and FC-108	Construction	Environmental Protection	Corporate/Site-wide
EIS-190	FP-24	The Blasting Plan will be developed by the Construction Contractor after that contract has been awarded since it is required to be prepared by qualified individuals. The Blasting Plan will follow 'DFO Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters' [1] and 'Ontario Provincial Standard Specification (OPSS) in the document OPSS 120 – General Specification for Use of Explosives (OPS 2014)'. Set-back distances required for blasting will be identified in the Blasting Plan... Blasting activities will be temporarily suspended if wildlife are observed in the blasting area.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-102	Construction	Construction	NSDF-specific
EIS-21	FP-25	CNL has started implementing the detailed Blanding's Turtle Road Mortality Mitigation Plan, and will continue to implement the plan moving forward. The plan is designed to reduce or eliminate turtle road mortality at CRL and increase connectivity among habitats. This plan includes mitigation implemented in four key areas: driver awareness; installation of permanent exclusion fencing; creation of nesting mounds; and replacement of culverts in key areas… That is, the mitigation that is or will be implemented on the CRL Site is	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-104 and FC-109, FC-112	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
		considered sufficient to limit and offset [turtle] mortality from previous and existing anthropogenic activities in the RSA. There is uncertainty regarding the effectiveness of mitigation, but monitoring and adaptive management will be implemented so that CNL achieves a net neutral or positive effect (i.e., not significant) on the Blanding's turtle population at CRL.					
EIS-247	FP-26	To prevent the spread of unwanted noxious weeds and invasive species, an Invasive Species Management Plan will be implemented during the construction, operations and closure phases.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-104	Construction	Construction	NSDF-specific
EIS-234	FP-27	To mitigate potential sensory effects not only on only the Canada Warbler but other terrestrial species, CNL will avoid conducting the activities with highest levels of noise and habitat disturbance during most sensitive life history phase (i.e., breeding and nesting for birds) by conducting vegetation clearing and grubbing before April 8 or after August 31 to avoid effects on nesting birds.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-105 and FC-108	Construction and Operations	Construction	NSDF-specific
EIS-198	FP-29	The transfer line will be installed underground using high-pressure directional drilling and so will not require surface disturbance (i.e., avoids the destruction of critical habitat). A small trench (2 m depth) will be excavated in the shoreline of Perch Lake to install the discharge transfer line, and a steel pile foundation will be used to suspend the line over the soft sediments in the open water section of the lake.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Construction	Construction	NSDF-specific
EIS-221	FP-31	[Blanding's Turtle] Nest mounds will be created in areas known to be used by turtle species, and upon approval from ECCC, nest cage will be installed to protect nests from predation.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Construction	EA Follow-up Monitoring Program	Corporate/Site-wide
EIS-225	FP-32	Critical [Blanding's Turtles] habitat will be assessed annually to ensure no significant loss at CRL and to highlight compensation measures initiated at CRL or elsewhere.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
EIS-82	FP-33	Blasting activities in the Site Study Area (SSA) will meet the DFO guidelines for protection of fish and fish habitat from vibrations, chemicals and sedimentation, and it is anticipated that this protection will also extend to turtles and turtle habitat. Additionally, Blanding's turtles will be excluded from access to the SSA, so it is not anticipated that vibrations from activities within the SSA will have an effect on Blanding's turtles.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Construction	Construction	NSDF-specific
EIS-25	FP-34	Artificial nest mounds will be constructed on both sides of the culverts following guidelines developed by the Northeast Blanding's Turtle Working Group. These artificial nesting mounds will be monitored for use by turtles during the nesting period using methods adapted from provincial protocols. Specifically, nesting surveys will be conducted at least once per week during the nesting period (May 15 to June 30); additional surveys will be completed	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-109	Multiple/Ongoing	EA Follow-up Monitoring Program	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
		after periods of rain to capture potential increases in nesting behaviour associated with even light rainfall. During nest mound inspections, maintenance of the nest mounds (e.g., vegetation removal) will occur if females are not present.					
EIS-13	FP-40	CNL will notify local communities of the start of NSDF Project construction	FPRT IR first round. 232-509220-055-000 Revision 2	HC FC-169	Construction	Public Information Program	NSDF-specific
EIS-80	FP-43	The reference to the Algonquin Forestry Services report stating a fire buffer zone (5 m minimum) between forest stands and equipment will be established to further reduce the probability of a neighbouring forest fire affecting operations is now included in Section 10.2 [of the EIS].	FPRT IR first round. 232-509220-055-000 Revision 2	NRCan FC-179	Construction	Design Authority and Design Engineering	NSDF-specific
EIS-100	FP-45	IAEA guidance as well as other industry standards for determining the minimum number of samples will be used for waste characterization at CNL… Affected lands, buildings to be demolished and waste packages in storage will be fully characterized with samples that represent the waste and tested against NSDF Waste Acceptance Criteria (WAC).	FPRT IR first round. 232-509220-055-000 Revision 2	CNSC FC-188	Operations	Waste Management	NSDF-specific
EIS-146	FP-46	The release of treated effluent from the wastewater treatment plant is a controlled batch release process. This means the treated effluent will be monitored prior to release to the environment to confirm that effluent discharge targets are met. In the event that effluent discharge targets are not met, the effluent will be recycled for further treatment.	FPRT IR first round. 232-509220-055-000 Revision 2	ECCC FC-195 and MOECC FC-242	Operations	Environmental Protection	NSDF-specific
EIS-86	FP-48	A small percentage of the waste volume will come from off-site sources such as Whiteshell Laboratories and other federal nuclear liabilities (i.e. ~ 50,000 m^3) and the remainder from commercial waste sources such as hospitals and universities... The Nuclear Power Demonstration (NPD) and Whiteshell Reactor 1 (WR-1) facilities which are proposed to be decommissioned in situ [1] thus will not be disposed of in NSDF.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-200	Operations	Waste Management	Corporate/Site-wide
EIS-6	FP-51	Through regular monitoring of the ECM, any exceedances of the design criteria will be assessed and the need for intervention will be determined.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-203	Post-Closure/Institutional Control	Maintenance	NSDF-specific
EIS-99	FP-53	The NSDF will not accept hazardous waste and will meet the intent of landfill disposal and leachate requirements of the Ontario Environmental Protection Act, Reg 347.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-206 and MOECC FC-238	Operations	Conduct of Operations	NSDF-specific
EIS-261	FP-54	Tritium releases from the ECM will be minimized by packaging high activity tritium waste. The discharge targets derived for radionuclides including tritium will ensure that cumulative radiological emissions are well below CRL site Derived Release Limits	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-206	Operations	Waste Management	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
		and doses to the public from CRL site emissions remain well below license requirement of 0.3 mSv/a.					
EIS-55	FP-56	CNL will monitor wastewater for parameters potentially present in the wastewater... The treated effluent will be monitored prior to discharge. The discharge targets apply at all times. In the event that the treated effluent does not meet the discharge targets, the effluent will be re-processed.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-207	Operations	Environmental Protection	NSDF-specific
EIS-9	FP-59	CNL continues to engage throughout the planning of the NSDF Project and if a licence is granted, CNL will continue engagement through construction and operation, closure and post-closure phases although levels of engagement will be proportionate to CNL's other activities.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-209	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
EIS-11	FP-60	CNL will consider a survey of the public within the local regions with respect to public perceptions	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-209	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
EIS-144	FP-62	Contribution of treated effluent releases to existing baseline conditions will be assessed through effluent verification monitoring and environmental monitoring. Effluent verification monitoring will document radiological and non-radiological releases from the WWTP. Groundwater monitoring will be conducted upgradient and downgradient of the exfiltration gallery to assess impacts on groundwater quality.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-216	Operations	EA Follow-up Monitoring Program	NSDF-specific
EIS-280	FP-63	The follow up monitoring plan is being developed and will be made available for review.	FPRT IR first round. 232-509220-055-000 Revision 2	MDDELCC FC-216	Multiple/Ongoing	EA Follow-up Program	Corporate/Site-wide
EIS-99	FP-67	COPC that do not have a hazard, an O.Reg. 347 limit, or a soil quality guideline will not affect the safety of the NSDF… Adherence to the O.Reg. 347 limits for the waste will ensure that leachate concentrations do not become hazardous.	FPRT IR first round. 232-509220-055-000 Revision 2	MOECC FC-235	Operations	Conduct of Operations	NSDF-specific
EIS-136	FP-68	During the construction phase, the construction contractor will implement erosion and sediment control measures to mitigate the effects of soil erosion and sediment transport.	FPRT IR first round. 232-509220-055-000 Revision 2	MOECC FC-236	Multiple/Ongoing	Maintenance	NSDF-specific
EIS-140	FP-69	During the operations phase, surface water management is provided for the ECM and the larger NSDF footprint. Surface water from all external areas will be conveyed by ditches, swales and culverts to surface water management ponds that will address water quality and water quantity criteria, established for the wetland receiving waters and, ultimately, Perch Creek.	FPRT IR first round. 232-509220-055-000 Revision 2	MOECC FC-236	Construction and Operations	Conduct of Operations	NSDF-specific
EIS-136	FP-70	Both the ECM and external areas; including the WWTP, parking lots, administrative and maintenance buildings, and laydown areas will all be subject to erosion and sediment control measures during construction.	FPRT IR first round. 232-509220-055-000 Revision 2	MOECC FC-239	Construction	Construction	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-170	FP-74	The Surface Water Management Plan provides preliminary guidance on contingency measures required for the NSDF to remain robust during a hypothetical PMP storm event. The contingency plan will be developed to reflect the final construction and specific site operations as the NSDF is constructed.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-03	Multiple/Ongoing	Conduct of Operations	NSDF-specific
EIS-249	FP-82	Dust from storage piles will generally be controlled using water or chemical sprays, or where standard dust suppressants may be inadequate, covers may be used.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-13	Construction and Operations	Conduct of Operations	NSDF-specific
EIS-249	FP-83	According to the Dust Management Plan, speed limits and restricted access of vehicles will be enforced to control dust from the unpaved roads while road watering and/or dust suppressants will also be used as necessary.	FPRT IR second round. 232-509220-055-000 Revision 1	CNSC-2-13	Construction and Operations	Conduct of Operations	NSDF-specific
EIS-170	FP-84	Mitigation measures that will be implemented upstream and downstream of the surface water management ponds to minimize sediment loading will include: The impervious area of the SWMP catchments during operation and post-closure is relatively small. Geotextile and granular liners as well as vegetation cover will reduce the amount of solids entering the system from these surfaces. In addition, operational practices such as sweeping sand off asphalt surfaces, granular sealing of road shoulders and gravel surfaces and various dust suppression measures will reduce solids loading into the SWMP influent.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-02	Construction and Operations	Construction	NSDF-specific
EIS-139	FP-85	CNL's Environmental Protection Program has a limit of 25 mg/L for total suspended solids in effluent discharges for a monthly average and 125 mg/L for a daily sample. These limits will ensure protection of aquatic biota in the event that the stormwater reaches fish habitat. The water quality of the surface water management ponds will be monitored as part of CNL's Effluent Verification Monitoring program and reported as part of EAFMP.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-02	Construction and Operations	EA Follow-up Monitoring Program	NSDF-specific
EIS-133	FP-86	The capacity of the exfiltration gallery depends on the elevation of the groundwater table, which fluctuates seasonally and after wet weather events. Groundwater monitoring wells will be installed in proximity to the exfiltration gallery to monitor water table elevations. The real time groundwater monitoring data will be used to control the effluent batch discharge to the exfiltration gallery. Under high water table conditions when the exfiltration gallery capacity is reached, effluent will be routed directly to Perch Lake.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-06	Operations	Conduct of Operations	NSDF-specific
EIS-214	FP-87	The environmental risk assessment, which assesses potential environmental impacts from operations at the CRL site, occurs on a five-year cycle and will continue the long-term assessment of the risk of fish exposure to contaminants in the surface water environment (including Perch Lake [and surrounding watershed]) at the CRL site. [also will be done through EAFMP]	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-07	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
EIS-21	FP-90	The compensation measures for Blanding's turtle's habitat that will be implemented for the NSDF Project will therefore focus on	FPRT IR second round. 232-	ECCC-2-09	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
		increasing the abundance of the local CRL population by promoting the connectivity, integrity, and safety of existing habitat within the property. Additionally, CNL anticipates that compensation measures will have a positive effect on the local Blanding's turtle population.	509220-055-000 Revision 1				
EIS-221	FP-91	The compensatory measures which will be implemented for the NSDF Project will meet medium-term and long-term population and distribution objectives defined in the species' [Blanding's Turtles] Recovery Strategy. CNL acknowledges that the 26 ha of habitat area to be removed for the NSDF Project are identified as Category 3 habitat but the provisions initiated in 2019 as part of the Blanding's Turtle Road Mortality Mitigation Plan [6] will be applied to Category 1 and 2 habitat – habitats which are considerably more susceptible to damage from anthropogenic disturbance. Compensatory measures to be implemented during the NSDF Project will therefore focus on the protection of existing habitat which are not only more vulnerable but will also become more critical after the removal of Category 3 habitat.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-09	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide
EIS-221	FP-92	Nesting mounds reduce the requirements for females to travel in order to reach nesting areas. Some mounds will be created in 2020 for all culverts to be replaced and additional mounds to be created once the other set of culverts are to be replaced. To improve the chance of successful nesting, wire-screen cages will be deployed over areas were eggs have been laid. The wire used will be wide enough to allow hatchlings to freely move out of the cage while preventing predators from destroying the nests. An additional 25 cages will be constructed and deployed in 2021 and beyond. These nest cages will be designed according to guidelines adapted from Gillingwater (2008) and Ratnaswamy et al. (1997). Nest cages will be deployed during the nesting season (May 15 to June 30) and weekly inspections of the cages will be completed from the end of the nesting period through to the end of the hatchling emergence period (July 1 to October 15). Cages will be retrieved prior to May 15 of the following year. These artificial nesting mounds will be monitored for use by turtles during the nesting period using methods adapted from provincial protocols. Nest mound maintenance (e.g., vegetation removal) will also be completed during nest mound inspections, if females are not present.	FPRT IR second round. 232-509220-055-000 Revision 1	ECCC-2-09	Construction and Operations	EA Follow-up Monitoring Program	Corporate/Site-wide
EIS-10	FP-94	The PIP includes a formalized complaint-response plan which CNL currently, and will continue to implement. The PIP describes how complaints will be received (e.g., website, telephone #, etc.), response time, and method(s) for resolution.	FPRT IR second round. 232-509220-055-000 Revision 1	HC-2-02	Multiple/Ongoing	Public Information Program	NSDF-specific
EIS-10	FP-95	The PIP provides a platform for the public to voice their concerns related to NSDF activities and for CNL to address and develop resolutions to these concerns… Throughout this process, CNL will maintain two-way dialogue between the stakeholder and the NSDF Project until the issue is resolved.	FPRT IR second round. 232-509220-055-000 Revision 1	HC-2-02	Multiple/Ongoing	Public Information Program	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	IR #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-4	FP-97	The NSDF will operate for 50 years, and CNL will continue to evaluate and apply technical improvements or innovations where warranted as part of our adaptive management during the operating life of the facility.	FPRT IR second round. 232-509220-055-000 Revision 1	QC-2-01	Operations	Design Authority and Design Engineering	NSDF-specific
EIS-270	FP-103	to help address HC's recommendation, CNL will complete a traffic count study along Highway 17 and Plant Road as part of the EAFMP. Furthermore due to the ongoing COVID-19 pandemic, as well as ongoing construction activities along Plant Road, the results of a traffic count study conducted at present will not appropriately represent the expected baseline traffic levels/patterns during NSDF Project construction. It is proposed that a traffic count study be completed during the 'pre-construction phase' of the Project. The noise modelling results can be verified at that time and, if required, additional mitigation will be implemented for the Project.	FPRT IR fourth round. 232-509220-055-000 Revision 2	HC-4-01	Construction	EA Follow-up Monitoring Program	NSDF-specific

Table A-3: Commitments in CNL responses to Public comments

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-1	Note that CNL has reviewed the waste inventory proposed for the NSDF and made changes. The NSDF will accept only LLW. This was based on consideration of federal, provincial and public comments and was formally announced by CNL on 2017 October 27. The intermediate level waste (ILW) that had been proposed in 2017 as part of the NSDF inventory will NOT be disposed in the NSDF and instead be kept in safe storage until a disposal solution for ILW is available.	Public and Indigenous Comments/IRs	CNL-ND1 and at least 15 other dispositions	Multiple/Ongoing	Waste Management	NSDF-specific
	P-2	(CNL) will responsibly manage the Near Surface Disposal Facility (NSDF) and consider all waste diversion options to ensure optimization and efficient use of the NSDF… The operations phase of this project is anticipated to last approximately 50 years, based on the volume of 1,000,000 m3 of low-level waste (LLW). When this capacity is met, other options for disposal of LLW will be evaluated at that time... If, as part of future developments in the Canadian nuclear industry, more LLW requiring disposal cannot be accommodated in the NSDF, a different disposal solution will be required. It is in CNL's best interest to treat the capacity of the NSDF as an asset and to use it efficiently. Detailed waste characterization and the use of exemption/clearance levels will be utilized to maximize the NSDF's capacity for LLW.	Public and Indigenous Comments/IRs	CNL-ND1 and ND13, CNL-ND17, ND128, ND128, ND592	Operations	Waste Management	NSDF-specific
	P-3	The placement of wastes into the Engineered Containment Mound (ECM) will be completed in two phases – Phase 1 to accommodate wastes currently in storage and to be generated over next 20 to 25 years and Phase 2 for waste generated following Phase 1.	Public and Indigenous Comments/IRs	CNL-ND1, ND17	Operations	Design Authority and Design Engineering	NSDF-specific
	P-5	Approximately 90% of the low-level waste (LLW) planned to be placed in the Near Surface Disposal Facility (NSDF) is currently located on the Chalk River Laboratories (CRL) site and will not be transported on public roads.	Public and Indigenous Comments/IRs	CNL-ND4	Operations	Waste Management	Corporate/Site-wide
	P-6	Transportation has been demonstrated to be safe and this activity will be carried out in order to consolidate AECL/CNL's radioactive wastes at CRL. Canadian Nuclear Laboratories maintains a Transportation of Dangerous Goods Program to ensure that all shipments are carried out in accordance with all Canadian regulatory requirements and best practice. This will ensure that all transportation activities will not result in negative consequences to Canadians and the residents of Deep River. This transportation program will continue to be implemented for transporting waste into the proposed NSDF Project's operations.	Public and Indigenous Comments/IRs	CNL-ND4 and ND50, CNL-ND81, ND363, ND601	Multiple/Ongoing	Transportation of Dangerous Goods	Corporate/Site-wide
	P-7	The operations phase [of the NSDF] is anticipated to begin in 2024 and will end in approximately 2070 (i.e., approximately 50 years).	Public and Indigenous Comments/IRs	CNL-ND6	Operations	Conduct of Operations	NSDF-specific
EIS-58	P-9	The NSDF Project will provide the permanent disposal of low-level waste, mainly from the CRL site, in a manner that is protective of the public and environment and enables the transformation of the CRL into a world class centre for science and technology.	Public and Indigenous Comments/IRs	CNL-ND11, ND88, ND367, ND368, ND606, ND661	Multiple/Ongoing	Design Authority and Design Engineering	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-10	(CNL) will continue to eliminate buildings and remediate grounds at various sites in conjunction with regulatory and safety requirements that align with Atomic Energy of Canada Limited's (AECL) mandate to manage nuclear liabilities which are the responsibility of the Government of Canada.	Public and Indigenous Comments/IRs	CNL-ND11	Multiple/Ongoing	Decommissioning & Demolition	Corporate/Site-wide
	P-11	The NSDF will be licensed as a Class IB nuclear facility included as part of the Chalk River Laboratories site operating licence	Public and Indigenous Comments/IRs	CNL-ND15	Pre-construction	Compliance	NSDF-specific
	P-12	Canadian Nuclear Laboratories current waste forecast indicates that waste generation after NSDF closure will decrease significantly. The remaining volume will be evaluated against available options at the time, such as use of service suppliers and/or the use of other facilities. Future waste storage or disposal options will be in accordance with the future licensing and environmental assessment processes if required and consistent with the CNL Integrated Waste Strategy.	Public and Indigenous Comments/IRs	CNL-ND17	Post-Closure/Institutional Control	Waste Management	Corporate/Site-wide
	P-13	The NSDF will only contain solid low-level waste.	Public and Indigenous Comments/IRs	CNL-ND19	Operations	Waste Management	NSDF-specific
	P-14	The safety of the NSDF during post-closure is provided by means of passive features (e.g., berm, final base-liner and cover systems) that will end the need for active management, which is in alignment with Requirement 5 of the IAEA SSR-5.	Public and Indigenous Comments/IRs	CNL-ND22	Post-Closure/Institutional Control	Design Authority and Design Engineering	NSDF-specific
EIS-47	P-15	A NSDF specific Waste Acceptance Criteria (WAC) has been developed and only wastes that meet the WAC will be placed in the NSDF. All waste that will be placed for disposal in the NSDF will be LLW as defined by Canadian Standards Association (CSA) N292.0:19 (General principles for the management of radioactive waste and irradiated fuel). The radiological and nonradiological inventory disposed of in the NSDF will be controlled through the NSDF WAC.	Public and Indigenous Comments/IRs	CNL-ND25, ND62, ND68, ND167	Operations	Waste Management	NSDF-specific
	P-16	As the project continues through the construction and operations phases, more information will become available about the as-built condition of the facility. In addition, more environmental monitoring data for the NSDF site will have been collected through the Project phases (construction, operation, closure), which can be used to further understand if the assumptions made in the initial modelling were accurate or conservative (i.e., confirm pathways and outcomes of contaminant transport). As more information is obtained, the PostSA will be updated to reflect the most up-to-date design and environmental data.	Public and Indigenous Comments/IRs	CNL-ND43, ND665	Construction and Operations	Safety Analysis	NSDF-specific
	P-17	(CNL) notes that CNSC staff have confirmed that the NSDF Project will remain under CEAA 2012 (Letter to Canadian Nuclear Laboratories Ltd. Regarding Changes to Federal Legislation and Implications for the Near Surface Disposal Facility Project)	Public and Indigenous Comments/IRs	CNL-ND45	Pre-construction	Environmental Protection	NSDF-specific
	P-18	Although appropriate risk management actions have taken place (i.e., interception and treatment of strontium-90 groundwater plumes), large scale remediation of the contamination sources will be necessary to ensure appropriate long-term management of this legacy waste... decommissioning and environmental remediation activities, which will generate waste for disposal in the engineered containment mound (ECM), are anticipated to positively affect [long-term] soil and groundwater quality outside of the NSDF site.	Public and Indigenous Comments/IRs	CNL-ND51	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-19	no “measurable change to the environment” resulting from the NSDF Project’s proposed activities have yet been detected. It is possible that the LSA boundaries [where environmental monitoring will occur for the NSDF] will change should a follow-up assessment of the spatial extent of potential effects deem it necessary.	Public and Indigenous Comments/IRs	CNL-ND54	Construction and Operations	EA Follow-up Program	NSDF-specific
	P-20	The NSDF design and operation will provide containment during the operations phase through preventing and controlling the release of nuclear and/or hazardous substances.	Public and Indigenous Comments/IRs	CNL-ND63	Operations	Design Authority and Design Engineering	NSDF-specific
	P-22	Fundamental design principles were considered [in] the NSDF Project design ... radioactive waste shall be managed in such a way that predicted effects on the health of future generations will not be greater than relevant levels of effects that are acceptable today; radioactive waste shall be managed in such a way that will not impose undue burdens on future generations.	Public and Indigenous Comments/IRs	CNL-ND69	Construction and Operations	Design Authority and Design Engineering	NSDF-specific
	P-23	(CNSC) will independently review the NSDF design to ensure all regulatory requirements are met.	Public and Indigenous Comments/IRs	CNL-ND71	Multiple/Ongoing	Compliance	NSDF-specific
	P-26	The berms will consist of three main geotechnical elements, or layers, each contributing to the soundness and integrity of the berm itself and the whole ECM. The inside of the berm will be covered with the various liner system layers while the outside will be covered with an intrusion barrier rockfill over HDPE geomembrane, geotextile cushion and geogrid. The top of the berm will be covered with a layer of granular A material, an HDPE geomembrane and geotextile cushion, with the top layer granular A becoming the top of berm road. All leachate will be directed to the ECM’s leachate collection system.	Public and Indigenous Comments/IRs	CNL-ND90	Construction and Operations	Design Authority and Design Engineering	NSDF-specific
	P-27	(CNL) will employ one or more of the following laboratory options to characterize waste and measure the concentration of contaminants in the treated effluent: Existing analytical capability at CNL; New analytical capability at CNL; External analytical capability... Samples of the WWTP influent (including the leachate component) will be analysed in the WWTP laboratories prior to treatment.	Public and Indigenous Comments/IRs	CNL-ND98	Operations	Conduct of Operations	NSDF-specific
	P-28	The proposed NSDF will not be utilizing the Chalk River site’s existing on-site wastewater treatment facility…	Public and Indigenous Comments/IRs	CNL-ND101	Operations	Design Authority and Design Engineering	NSDF-specific
	P-29	If the leak detection system [in the ECM] detects moisture, an alarm is generated and the tanks will be inspected.	Public and Indigenous Comments/IRs	CNL-ND98	Operations	Conduct of Operations	NSDF-specific
	P-31	The Near Surface Disposal Facility (NSDF) will not accept liquids for disposal.	Public and Indigenous Comments/IRs	CNL-ND103	Operations	Waste Management	NSDF-specific
	P-34	As a point of clarification, the treated effluent from the WWTP does not discharge directly to the Ottawa River although it will eventually make its way there… in the event that the exfiltration gallery [the preferential discharge location] does not have sufficient capacity to manage the treated effluent (e.g., under high groundwater elevations), a portion of the treated effluent will be discharged directly to Perch Lake through a submerged diffuser.	Public and Indigenous Comments/IRs	CNL-ND104	Operations	Design Authority and Design Engineering	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-35	When the NSDF goes into operation, the environmental performance data of the NSDF, including specific environmental performance of the WWTP, will be made available to the public.	Public and Indigenous Comments/IRs	CNL-ND104	Operations	Public Information Program	NSDF-specific
	P-36	Any leak of leachate from the primary liner system is captured by the Leak Detection System (LDS) which will be continuously monitored during the operations phase (including sampling, analysis and treatment of the recovered liquid).	Public and Indigenous Comments/IRs	CNl-ND105	Operations	Conduct of Operations	NSDF-specific
	P-38	Monitoring of the LCS and LDS sump levels will continue during the ECM closure and the Institutional Control period. If the rate of flow into the sumps and subsequent physical inspections determine that a cover layer is leaking, then a response action will be proposed and implemented, such as initiating cap repair.	Public and Indigenous Comments/IRs	CNl-ND105	Post-Closure/Institutional Control	Conduct of Operations	NSDF-specific
	P-41	Construction of the geomembrane will follow a stringent construction/installation plan with confirmatory tests and inspection by qualified personnel. After the geomembrane is installed, electrical dipole testing will be performed after placing a select layer of the waste.	Public and Indigenous Comments/IRs	CNL-ND112, ND113	Construction and Operations	Construction	NSDF-specific
	P-42	The clay liner will remain intact and not migrate through the subgrade. There are two reasons why migration will not occur. First, the clay liner subgrade materials will have very small pore sizes that will minimize any penetration by the clay liner particles. Second, the cohesive nature of the clay liner material will tend to keep the particles together and resist erosion or migration under the expected seepage forces.	Public and Indigenous Comments/IRs	CNL-ND114	Post-Closure/Institutional Control	Design Authority and Design Engineering	NSDF-specific
	P-45	There will also be an allowance made for additional trench blasting that may be required to facilitate utility runs. Materials excavated during construction will be transported to nearby locations in bulk quantities. The locations may be on Chalk River Laboratories (CRL) property or off CRL property, or a combination thereof. The locations will be determined together with Canadian Nuclear Laboratories (CNL) Site Planning and Property Management, as well as the chosen Construction Contractor.	Public and Indigenous Comments/IRs	CNL-ND118	Construction	Construction	NSDF-specific
	P-46	The final cover system will be installed to its full thickness progressively as areas of the ECM reach the final waste contours.	Public and Indigenous Comments/IRs	CNL-ND120	Operations	Design Authority and Design Engineering	NSDF-specific
	P-47	Water will be used as the primary dust control measure for construction and operation activities. Chemical dust suppressants will be an option if required. Only Chalk River Laboratories (CRL) approved dust suppressants will be used... If used, calcium chloride and magnesium solutions/concentrations will follow OPSS 2501 [1] & 2503 [2]. All surface water run-off will be monitored for discharge criteria. The construction contractor will develop a dust management plan specific to NSDF construction activities which will be approved by CNL staff from the CRL Environmental Protection group before use.	Public and Indigenous Comments/IRs	CNL-ND121	Construction and Operations	Conduct of Operations	NSDF-specific
	P-48	Only hazardous waste that is also radioactive waste will be accepted at NSDF... Non-radioactively contaminated hazardous wastes are to be disposed of elsewhere.	Public and Indigenous Comments/IRs	CNL-ND129, ND158	Operations	Waste Management	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-49	The contents of each waste cell will be recorded as waste shipments arrive at the Near Surface Disposal Facility (NSDF) for disposal.	Public and Indigenous Comments/IRs	CNL-ND132	Operations	Conduct of Operations	NSDF-specific
	P-50	For Port Hope specifically, an allowance of up to 10,000 m3 of material may be transferred to Chalk River Laboratories (CRL), which are related to closing activities. This Port Hope waste volume is included in the proposed 1,000,000 m3 [for the NSDF]. At this point in the Port Hope Area Initiative projects, it is unlikely that wastes will be transported from Port Hope to CRL, but the space has been accounted for.	Public and Indigenous Comments/IRs	CNL-ND135	Operations	Waste Management	NSDF-specific
	P-51	Prior to decommissioning each facility on CRL site will have either a Building Removal Plan (for non-nuclear facilities) or a Detailed Decommissioning Plan (for nuclear facilities). In accordance with Canadian Standards Association CSA-N294 Decommissioning of facilities containing nuclear substances the decommissioning plan will have a detailed forecast and estimate of waste types and volumes that will be generated... Reasonable efforts will be made to ensure that uncontaminated materials are cleared for reuse or off-site disposal via the guidelines of the Nuclear Substances and Radiation Devices Regulations (SOR/2000-207)	Public and Indigenous Comments/IRs	CNL-ND139	Multiple/Ongoing	Decommissioning & Demolition	Corporate/Site-wide
	P-52	Procedures on waste verification will be developed as part of the licensing process.	Public and Indigenous Comments/IRs	CNL-ND140	Multiple/Ongoing	Waste Management	Corporate/Site-wide
	P-53	the waste [destined for the ECM] will come in different sizes and shapes; however, it will be shipped to the engineered containment mound (ECM) in standard haul vehicles or packages (B25 boxes, drums, etc.) of known volume and these volumes would be used to determine the inventory.	Public and Indigenous Comments/IRs	CNL-ND141	Operations	Waste Management	NSDF-specific
	P-54	With regard to tracking the [waste] inventory, Canadian Nuclear Laboratories (CNL) will be using a database (not yet specified) and will record key information regarding each waste shipment including volume, weight inventory of radionuclides, inventory of non-radioactive contaminants of potential concern, packaging (if applicable), waste generator etc... CNL will be required to annually report the inventory in the ECM to the Canadian Nuclear Safety Commission (CNSC).	Public and Indigenous Comments/IRs	CNL-ND141, ND257	Operations	Conduct of Operations	NSDF-specific
	P-55	Detailed examples of the step-by-step processes for each type of waste [to be processed and placed into ECM] and its source are not currently available at this stage of regulatory approvals. These will be further developed along with details of the proposed NSDF operating procedures should the Project proceed.	Public and Indigenous Comments/IRs	CNL-ND141	Operations	Waste Management	NSDF-specific
	P-56	Actual volumes of off-site waste will likely be less than 10% of the volume of NSDF. Waste volumes emplaced in the NSDF will be tracked by waste generator and documented as described in Section 6.5 of the NSDF WAC.	Public and Indigenous Comments/IRs	CNL-ND142	Operations	Conduct of Operations	NSDF-specific
	P-57	In the unlikely event that a waste retrieval becomes necessary, a safety assessment for waste retrieval will be required prior to the retrieval activities. The assessment will be unique to the type of waste being retrieved, the volume of waste excavated, and the types of wastes surrounding the retrieval target.	Public and Indigenous Comments/IRs	CNL-ND145	Post-Closure/Institutional Control	Conduct of Operations	NSDF-specific
	P-58	Canadian Nuclear Laboratories will continue to explore and utilize other waste processing during the NSDF's operating phase, especially those that reduced the volume, if practicable to do so (e.g., incineration).	Public and Indigenous Comments/IRs	CNL-152, ND173	Operations	Waste Management	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-59	CNL will make every reasonable effort will be made to reduce metal waste volumes by the sorting and segregation of clean waste from radioactively contaminated wastes, the decontamination of waste metals where reasonable practical and when feasible recycling of radioactive metals within the nuclear industry.	Public and Indigenous Comments/IRs	CNL-ND154	Multiple/Ongoing	Waste Management	NSDF-specific
EIS-59	P-61	Wastes that are not disposed of in the NSDF will continue to be stored at the CRL site until a disposal solution exists.	Public and Indigenous Comments/IRs	CNL-ND164, ND176, ND186, ND194	Operations	Waste Management	Corporate/Site-wide
	P-66	Historic or legacy waste already currently in storage will be reassessed for adequate and appropriate characterization details thus not automatically be accepted in NSDF on the basis of information or auto-categorization within WIP-III.	Public and Indigenous Comments/IRs	CNL-ND191 and ND193	Operations	Waste Management	NSDF-specific
	P-68	(CNL) Waste Operations will adhere to CNL's Radiation Protection Program when developing waste retrieval campaigns, including those from any individual Waste Management Area on site.	Public and Indigenous Comments/IRs	CNL-ND220, ND221	Operations	Conduct of Operations	Corporate/Site-wide
	P-69	Uncertainties associated with historical waste inventories will be addressed through a program of evaluation and characterization assessments that is currently underway to ensure that the wastes are safely handled and disposed with regard to radiological and non-radiological hazardous constituents of concern. This process will include identification and quantification of short and long-lived radionuclides and it will be informed by, but not reliant upon, historical data and records. Subject to development and approval of detailed decommissioning plans for these facilities, wastes will be retrieved and disposed in the NSDF.	Public and Indigenous Comments/IRs	CNL-ND224, ND257	Operations	Waste Management	NSDF-specific
	P-70	The NSDF Safety Case covers the pre-closure period and the post-closure period of the [NSDF] Facility and will be updated as required during the life cycle of the proposed facility. The NSDF Safety Case is part of the licencing submission to the CNSC.	Public and Indigenous Comments/IRs	CNL-ND230	Pre-construction	Safety Analysis	NSDF-specific
	P-71	if a nuclear material is tracked under CNL's Safeguards Management Program, it will not be accepted for disposal in NSDF.	Public and Indigenous Comments/IRs	CNL-ND258	Operations	Nuclear Materials & Safeguards Management	Corporate/Site-wide
	P-73	The specific parameters guiding the decision making process of when to stop using the WWTP and adopt an alternative treatment strategy are: · the selected method of treatment will need to meet applicable regulatory and licensing requirements (including discharge limits); · it will need to be suitably sized for the volume of wastewater being generated and; · it will need to be cost-effective for the volume of wastewater being generated.	Public and Indigenous Comments/IRs	CNL-ND280	Operations	Conduct of Operations	NSDF-specific
	P-75	As a result of the development of the initial version of the IWS, an Action Plan has been developed which is being actively used to address gaps in capability including the need for improved routes for the disposition of all wastes. As gaps are addressed, cradle to grave processes will be further developed to provide safe, reliable, predictable waste management for all CNL wastes.	Public and Indigenous Comments/IRs	CNL-ND284	Multiple/Ongoing	Waste Management	Corporate/Site-wide
	P-76	Each time wastes are moved it involves a small risk to workers, from both conventional safety and radiation doses. The wastes are in a safe position now, and will not be moved until a disposal site is available.	Public and Indigenous Comments/IRs	CNL-ND288	Multiple/Ongoing	Waste Management	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-80	CNL will be required to provide an application to the Canadian Safety Nuclear Commission (CNSC) to progress to each stage in the life cycle of the proposed [NSDF] facility. As such the application will be subject to the commission hearing process which ensures public involvement and engagement prior to the CNSC rendering a decision.	Public and Indigenous Comments/IRs	CNl-ND322	Multiple/Ongoing	Compliance	NSDF-specific
	P-81	During construction of the [ECM] baseliner, quality assurance/quality control measures will be implemented to ensure the baseliner is constructed as designed to provide a leak proof barrier.	Public and Indigenous Comments/IRs	CNL-ND324	Construction	Design Authority and Design Engineering	NSDF-specific
	P-82	There will be no waste disposal during the post-closure phase	Public and Indigenous Comments/IRs	CNL-ND326	Post-Closure/Institutional Control	Waste Management	Corporate/Site-wide
	P-85	The proposed NSDF will be constructed and operated on the CRL site and will be part of the overall site emergency preparedness program.	Public and Indigenous Comments/IRs	CNL-ND333	Multiple/Ongoing	Emergency Preparedness	Corporate/Site-wide
	P-86	The final EIS, federal and provincial comments, and public comments that were made in French along with their subsequent responses will be made available in both official languages, as outlined in Appendix A to the CNL-CNSC Administrative Protocol for the Near Surface Disposal Facility Project at Chalk River Laboratories (Step 31)	Public and Indigenous Comments/IRs	CNl-ND335	Pre-construction	Public Information Program	NSDF-specific
	P-87	The source of the clay [for the ECM liner] will be determined should the Near Surface Disposal Facility (NSDF) project proceed. Clay sources have been considered but ultimately the clay will need to meet the quality requirements of the design. To ensure the integrity of the high-density polyethylene (HDPE) materials and quality of installation, the project will apply a Construction Quality Assurance (CQA) program. The CQA Program will include confirmatory tests and inspection by qualified personnel prior to and during liner installation.	Public and Indigenous Comments/IRs	CNL-ND342	Pre-construction	Construction	NSDF-specific
	P-89	Approximately 90% of the LLW planned to be emplaced in the NSDF is currently located on the Chalk River Laboratories (CRL) site and will not be transported on public roads.	Public and Indigenous Comments/IRs	CNL-ND363	Operations	Transportation of Dangerous Goods	Corporate/Site-wide
	P-90	The NSDF Project was designed to limit disturbance to the natural environment to the extent feasible and will avoid stream and wetland habitats.	Public and Indigenous Comments/IRs	CNL-ND381	Construction	Design Authority and Design Engineering	NSDF-specific
	P-92	Environmental, effluent, and groundwater monitoring at the NSDF Project site will be evaluated annually by the Facility Manager as supplementary indications of the environmental impact of the operation of the NSDF.	Public and Indigenous Comments/IRs	CNL-ND385	Construction and Operations	Conduct of Operations	NSDF-specific
	P-95	Effects on air quality from NSDF will be monitored to verify EIS predictions.	Public and Indigenous Comments/IRs	CNL-ND397	Construction and Operations	EA Follow-up Program	NSDF-specific
	P-96	In-line sample ports will be installed into vent pipes for use in periodic LFG monitoring and sampling.	Public and Indigenous Comments/IRs	CNL-ND399	Construction	Design Authority and Design Engineering	NSDF-specific
	P-98	The airborne emission from decommissioning projects on the CRL site will be assessed as part of the approval process for these projects.	Public and Indigenous Comments/IRs	CNL-ND414	Pre-construction	Environmental Protection	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-99	It is expected that activities for the NSDF will continue to be evaluated and modified in accordance with CNL's requirements from its regulator as part of its operational licence. As it stands, the compliance of NSDF Project activities to environmental regulations and applicable standards will be verified routinely through the Environmental Assessment Follow-up Monitoring Program (EAFMP)	Public and Indigenous Comments/IRs	CNL-ND415	Operations	EA Follow-up Program	NSDF-specific
	P-100	Construction of the NSDF will enable remediation of the source of [groundwater] contamination.	Public and Indigenous Comments/IRs	CNL-ND418	Operations	Construction	Corporate/Site-wide
	P-101	Monitoring of water elevations in the adjacent [to the NSDF] wetlands will be conducted to confirm that there is no significant change to wetland habitat	Public and Indigenous Comments/IRs	CNL-ND419	Operations	EA Follow-up Program	NSDF-specific
	P-107	CNL will be conducting a research project which will involve mist netting for all three federally listed bat species and affixing radio transmitters to select individuals. These individuals will be tracked to their maternity roosts and these roosts will be monitored for activity levels to determine the size and importance of each roost. In addition to determining the location of maternity roosts, the type of habitat being used for each roost will be assessed... This information will be used for the development of a Sustainable Forest Management Plan at CRL to ensure the maintenance of adequate bat habitat.	Public and Indigenous Comments/IRs	CNL-ND463	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
	P-108	Consolidation of AECL owned waste to the CRL site will occur regardless of the decision for the NSDF Project, as per CNL's Integrated Waste Strategy.	Public and Indigenous Comments/IRs	CNL-ND477	Multiple/Ongoing	Waste Management	Corporate/Site-wide
	P-110	Specific monitoring activities related to human health will include: • air quality (i.e., dust) monitoring at the study site area (SSA) and air effluent verification monitoring at the wastewater treatment plant (WWTP); • dust samples collected in the high-volume air sampler during construction and operations will be screened for radioactivity; • treated effluent from the WWTP, stormwater pond effluent and surrounding surface water quality will be monitored; • ambient radioactivity will be measured at the SSA; and • groundwater monitoring will be performed surrounding the ECM, to confirm groundwater quality and detect potential releases of constituents from the ECM containment area.	Public and Indigenous Comments/IRs	CNL-ND508	Construction and Operations	EA Follow-up Program	NSDF-specific
	P-111	The concentrated contaminants that are removed from the leachate result in solid waste forms... These waste forms will be packaged in leachate controlled packages to ensure containment of their contents. These waste forms will be placed back into the NSDF for disposal.	Public and Indigenous Comments/IRs	CNL-ND509	Operations	Conduct of Operations	NSDF-specific
	P-113	construction workforce will be sourced from the areas including Country of Renfrew, and the Ottawa area in Ontario as well as the Region of Outaouais in Quebec.	Public and Indigenous Comments/IRs	CNL-ND512	Construction	Good Corporate Responsibility	Corporate/Site-wide
	P-114	the space created by the demolition of these buildings will be used to build new infrastructure, including modern labs and research facilities that will meet the updated codes and standards...	Public and Indigenous Comments/IRs	CNL-ND512	Multiple/Ongoing	Decommissioning & Demolition	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-117	...the property owners, businesses, residents and visitors of the towns of Chalk River (approx. 9 km from the NSDF site) and Deep River (approx. 12 km from the NSDF site) will not be able to see the NSDF site or discern the trucks transporting construction materials or else moving during the operations phase of the Project.	Public and Indigenous Comments/IRs	CNL-ND514	Construction	Construction	NSDF-specific
	P-118	The NSDF will achieve containment through multiple passive barriers between the waste and the environment.	Public and Indigenous Comments/IRs	CNL-NF518	Operations	Design Authority and Design Engineering	NSDF-specific
	P-119	The NSDF [will] operates on main power (Class IV) and in the event of power failure, all critical systems will operate on back-up power systems.	Public and Indigenous Comments/IRs	CNL-ND527	Operations	Design Authority and Design Engineering	NSDF-specific
	P-120	Recoverable quantities of nuclear materials (i.e., fissionable material) will not be accepted for disposal in NSDF.	Public and Indigenous Comments/IRs	CNL-ND530, ND531	Operations	Waste Management	Corporate/Site-wide
	P-121	In the event of a fire, work will be immediately stopped and placed into a safe state, if possible. The NSDF Emergency Procedure will be followed. The CRL Fire Department will be notified as well as others working in the area.	Public and Indigenous Comments/IRs	CNL-ND535	Operations	Conduct of Operations	NSDF-specific
	P-123	The application of the Fire Protection Program throughout the post-closure phase of the project will be determined closer to the start of the post-closure phase.	Public and Indigenous Comments/IRs	CNL-ND549	Post-Closure/Institutional Control	Fire Protection	NSDF-specific
	P-125	the Plutonium Tower Decommissioning has been initiated and will be finalized once NSDF is available for disposal of waste material from decommissioning the facility. Decommissioning activities will generate a significant volumes of low-level wastes (LLW). The NSDF will provide capacity for disposal of decommissioning wastes and enable decommissioning projects to proceed.	Public and Indigenous Comments/IRs	CNL-ND552	Multiple/Ongoing	Decommissioning & Demolition	Corporate/Site-wide
	P-126	The NSDF Project will enable remediation of the historic Waste Management Areas (WMAs) in the Perch Lake watershed... Transfer of these [historic WMA] wastes to the NSDF site which provides engineered containment will have a positive effect on groundwater and surface water quality in the Perch Lake watershed.	Public and Indigenous Comments/IRs	CNL-ND554, ND556, ND585, ND630, ND669	Multiple/Ongoing	Waste Management	Corporate/Site-wide
	P-127	Activities during closure phase from 2070 to 2100 will be limited to decommissioning of NSDF site infrastructure that is no longer required (e.g., infrastructure and support facilities), long term monitoring and maintenance. During the 300 year institutional control period following closure, activities will be limited to site surveillance, maintenance and monitoring activities. These activities will require limited human resources and therefore socio-economic impacts on Valued Components (VCs) are predicted to be less than during construction and operations phases.	Public and Indigenous Comments/IRs	CNL-ND560	Post-Closure/Institutional Control	Conduct of Operations	NSDF-specific
	P-128	The NSDF Project design will comply with all relevant federal and provincial regulations, guidelines, acts, standards and codes, including standard industry practice.	Public and Indigenous Comments/IRs	CNL-ND561	Pre-construction	Design Authority and Design Engineering	NSDF-specific
	P-130	Overburden soils beneath the ECM perimeter berm will be excavated down to the top of the bedrock, extending horizontally from beneath the perimeter berm to a distance at which the slopes of the perimeter berm intersect the bedrock surface.	Public and Indigenous Comments/IRs	CNL-ND571	Construction	Design Authority and Design Engineering	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-131	In the post-institutional control period, there will be no workers or activities on-site, and as such there is no possibility for accidents or malfunctions to occur.	Public and Indigenous Comments/IRs	CNL-ND572	Post-Closure/Institutional Control	Decommissioning & Demolition	Corporate/Site-wide
	P-133	During the 50 year operations period, all efforts will be made to minimize the contact of precipitation with the contaminated waste thus leachate production.	Public and Indigenous Comments/IRs	CNL-ND577	Operations	Conduct of Operations	NSDF-specific
	P-135	(CNL) will submit the EAFMP to support the licence application. The program will be reviewed periodically with the CRL site licence and updated as necessary. The monitoring program will be available upon request.	Public and Indigenous Comments/IRs	CNL-ND578	Pre-construction	EA Follow-up Program	NSDF-specific
	P-137	Environmental monitoring is routinely conducted throughout the Chalk River Laboratories (CRL) site and elements of existing programs will be integrated into the EAFMP and modified specifically for NSDF Project activities.	Public and Indigenous Comments/IRs	CNL-ND582	Construction and Operations	Environmental Protection	Corporate/Site-wide
	P-139	Procedures on waste verification will be developed as part of the licensing process.	Public and Indigenous Comments/IRs	CNL-ND583, CNL-ND593, ND594	Operations	Waste Management	Corporate/Site-wide
	P-144	With respect to the normal operations of the NSDF (operations phase), training procedures will be developed as it becomes necessary for all hired personnel and once details of the daily operation and logistics of the NSDF are finalized (i.e., after licence approval by Canadian Nuclear Safety Commission (CNSC))... Operating Staff members will be trained and qualified to perform the duties of operating positions in the NSDF Facility. Training requirements will be determined as part of the NSDF Staffing and Training Plan, developed according to CNL's Training and Development Program.	Public and Indigenous Comments/IRs	CNL-ND593, ND594	Operations	Conduct of Operations	NSDF-specific
	P-145	The wastes to be placed within NSDF are low-level wastes (LLW) that will have minimal to no capacity for heat generation... Consequently, much of the organic debris in the ECM waste inventory will be derived from wood (e.g., demolition debris) which is minimally organically degraded under anaerobic conditions and would thus, generate very little heat.	Public and Indigenous Comments/IRs	CNL-ND597	Operations	Waste Management	NSDF-specific
	P-146	The final EIS will only be accepted when it has been deemed to adequately address comments to the satisfaction of the CNSC. To the extent possible, any information gaps or clarifications needed, will be identified and communicated to CNL as early as possible in the review process.	Public and Indigenous Comments/IRs	CL-ND609	Pre-construction	Compliance	NSDF-specific
	P-147	The performance of the geomembrane will be monitored through the leachate quantity observed in the Leachate Collection System (LCS) and Leak Detection System (LDS) that were part of the base liner system. All leachate (including precipitation) will be collected and treated... Through regular monitoring of the ECM, any exceedances of the design criteria will be assessed and the need for intervention will be determined.	Public and Indigenous Comments/IRs	CNL-ND612	Operations	Conduct of Operations	NSDF-specific
	P-148	The priorities with respect to releases of radiological substances to the environment will be prevention first, then mitigation, and then accommodation such that exposures are minimized and ALARA.	Public and Indigenous Comments/IRs	CNL-ND617	Multiple/Ongoing	Conduct of Operations	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-149	The following are some examples of the application of ALARA during the operations phase: Radiological Work Assessments and planning are used in combination with Dose Control Points (DCPs) to limit doses to workers. Additionally, significant deviations from the DCP will trigger an ALARA assessment.	Public and Indigenous Comments/IRs	CNL-ND617	Operations	Radiation Protection	Corporate/Site-wide
	P-150	the exact details of its [NSDF] operation such as the amount of traffic and precise hours of operation along with various facility logistics will be developed as more information becomes available should the Project successfully undergo federal approval.	Public and Indigenous Comments/IRs	CL-ND618	Construction	Conduct of Operations	NSDF-specific
	P-154	As the waste liabilities remain the responsibility of AECL, AECL will continue to fund any on-going costs associated with the NSDF... Funding will continue to be provided by AECL, until the end of the institutional control phase to ensure the longterm safety of the NSDF and the safety of people and the environment.	Public and Indigenous Comments/IRs	CNL-ND643, ND647	Multiple/Ongoing	Compliance	Corporate/Site-wide
	P-155	When the final EIS is issued to the Canadian Nuclear Safety Commission, CNL will post it on the NSDF Project's webpage at www.cnl.ca/nsdf... Canadian Nuclear Laboratories will work to continue to keep the public informed through www.cnl.ca/nsdf, continuing to provide updated information materials, and presentations to stakeholders and the public enabling opportunities for input and discussion.	Public and Indigenous Comments/IRs	CNL-ND644	Multiple/Ongoing	Public Information Program	NSDF-specific
	P-156	CNL, as the enduring entity as well as the licencee, will continue to monitor and assess performance of the NSDF for the full life cycle. CNL, as the enduring entity, will be continue to be responsible for the closure phase, expected to last 30 years after the operational phase (50 years). · CNL, as the enduring entity will be responsible for interception/remedial activities with funding from AECL. · CNL, as the enduring entity, will continue to operate the Chalk River Laboratories (CRL) site after the 10-year mandate under GoCo, regardless whether there is a change in contractor or not.	Public and Indigenous Comments/IRs	CNL-ND647	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific
	P-157	Canadian Nuclear Laboratories will implement safe, cost-effective environmental remediation (ER) and waste management strategies... to support site revitalization.	Public and Indigenous Comments/IRs	CNL-ND648, ND652	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
	P-158	Environmental remediation planning will follow the process based on CSA N294-09 Decommissioning of Facilities Containing Nuclear Substances	Public and Indigenous Comments/IRs	CNL-ND669	Multiple/Ongoing	Decommissioning & Demolition	Corporate/Site-wide
	P-159	For each management unit, potential end uses will be defined. Examples of end-uses are industrial, residential, recreational and agricultural. Remediation criteria for radiologically contaminated areas will be based on dose objectives to ensure protection of human health and aquatic and terrestrial biota.	Public and Indigenous Comments/IRs	CNL-ND669	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
	P-161	Specific to water run-off, the following steps are to be followed: · Applications shall not proceed during periods of rain when the surface is in a saturated condition or on areas of ponded water. · Applications shall not proceed when weather forecasts indicate a high probability of rainfall.	Public and Indigenous Comments/IRs	CNL-ND102	Construction and Operations	Construction	NSDF-specific
	P-162	With regard to the methodology of waste acceptance to the proposed NSDF site, all shipments of waste received shall be accompanied by a completed Waste Package Data Form and supporting documentation as required... All waste packages received shall have a Waste or Package Identification label/sticker attached to the package.	Public and Indigenous Comments/IRs	CNL-ND141	Operations	Waste Management	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-163	The calculation of the concentration limits shall exclude the mass of packaging and shielding.	Public and Indigenous Comments/IRs	CNL-ND156, ND163, ND169	Operations	Waste Management	NSDF-specific
	P-165	CNL will be required to annually report the [waste] inventory in NSDF to the CNSC.	Public and Indigenous Comments/IRs	CNL-ND141	Operations	Compliance	NSDF-specific
	P-167	Prior to accepting any disused sources into the NSDF, CNL will update Section 5.7 of the NSDF Waste Acceptance Criteria (WAC) to clarify specific aspects of the IAEA guidelines which will applied in the acceptance of disused sources in NSDF. CNL will notify Ralliement Contre la Pollution Radioactif of the changes once the updated WAC has been accepted by the Canadian Nuclear Safety Commission.	Public and Indigenous Comments/IRs	CNL responses to Ralliement contre la pollution radioactive	Operations	Conduct of Operations	NSDF-specific
EIS-99	P-4	Waste placed in the ECM will meet the intent of land disposal and leachate requirements specified in Ontario's Regulation 347, General – Waste Management. This will ensure that quantities and concentrations of metals, organics, and chemical compounds are acceptable and will limit the leaching potential of the facility... This is a requirement of the Waste Acceptance Criteria (WAC). The acceptance of waste into the ECM will be controlled through waste characterization and utilizing Ontario Regulation 347 limits.	Public and Indigenous Comments/IRs	CNL-ND2, ND167, ND213, ND267, ND509, ND601	Operations	Conduct of Operations	NSDF-specific
EIS-59	P-8	Waste that does not meet the WAC will not be placed in the NSDF and will be placed in safe storage.	Public and Indigenous Comments/IRs	CNL-ND9, ND253	Operations	Waste Management	NSDF-specific
EIS-6	P-21	Environmental monitoring of the NSDF over its operating life and during the Institutional Control period will provide a means to monitor the effectiveness of [the ECM] barriers that [will be] are in place.	Public and Indigenous Comments/IRs	CNL-ND65	Multiple/Ongoing	EA Follow-up Program	NSDF-specific
EIS-70	P-24	(AECL), a federal Crown corporation, is the owner of the site and will remain as such in the future... As the owner of the Chalk River Laboratories (CRL) site and of the associated liabilities, Atomic Energy of Canada Limited (AECL) – a federal Crown corporation – will ensure that the site is safely managed and controlled for as long as necessary... As the owner of the CRL site and associated liabilities, AECL (a federal Crown corporation) will continue to put in place measures to ensure that the site is managed and controlled (restricting the land use of the NSDF Project footprint) for as long as necessary... While the ownership of CNL may change (Canadian National Energy Alliance is the current owner of CNL), CNL will remain the operator and licensee.	Public and Indigenous Comments/IRs	CNL-ND73, ND550, ND605, ND651, ND654	Post-Closure/Institutional Control	Good Corporate Responsibility	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-93	P-25	During the closure phase, the placement of the final cover will prevent any precipitation from infiltrating into the ECM thereby eliminating leachate generation. Groundwater monitoring along the perimeter of the ECM during operations and institutional control phases will provide for further monitoring of potential leaks from the containment mound.	Public and Indigenous Comments/IRs	CNL-ND79	Post-Closure/Institutional Control	Environmental Protection	NSDF-specific
EIS-178	P-30	The NSDF will minimize the concentration of tritium (and other radionuclides) in the wastewater by limiting the amount of radioactive material that is exposed to precipitation… tritium releases will be managed by packaging high inventory tritium wastes in leachate controlled packages so that the tritium concentration in Perch Creek will not exceed the drinking water guideline of 7,000 Bq/L rather than in the effluent... the concentrations of radionuclides in the Ottawa River will be less than the drinking water guidelines.	Public and Indigenous Comments/IRs	CNL-ND102, ND167	Operations	Waste Management	NSDF-specific
EIS-219	P-32	EA Follow-up Monitoring Program (EAFMP), which will be implemented for the NSDF Project during its construction, operations, and closure phases, will include environmental, effluent, and groundwater monitoring to ensure that releases and subsequent environmental concentrations are below the relevant guidelines.	Public and Indigenous Comments/IRs	CNL-ND103, ND508	Multiple/Ongoing	EA Follow-up Program	NSDF-specific
EIS-10	P-33	Canadian Nuclear Laboratories will continue to offer opportunities for the general public to provide feedback as the EAFMP is developed and reviewed by the Canadian Nuclear Safety Commission (CNSC).	Public and Indigenous Comments/IRs	CNL-ND103, ND508	Multiple/Ongoing	Public Information Program	NSDF-specific
EIS-78	P-37	Note that for planning purposes, the Institutional Control period is at least 300 years; however, the intent is the Institutional Control period will be as long as necessary to ensure the safety of the public and the environment.	Public and Indigenous Comments/IRs	CNl-ND105, ND588	Post-Closure/Institutional Control	Good Corporate Responsibility	NSDF-specific
EIS-169	P-39	Performance monitoring throughout the Institutional Control period will be carried out to confirm that the ECM final cover continues to function as intended. Groundwater wells will be monitored for leachate constituents at the frequency required, during the Institutional Control period.	Public and Indigenous Comments/IRs	CNl-ND105	Post-Closure/Institutional Control	Clean Up Function	NSDF-specific
EIS-88	P-40	Prior to post-closure, decommissioning of the WWTP and all associated structures will be performed after the leachate quantity no longer warrants this dedicated treatment facility for wastewater treatment. Any residual leachate collected during post-closure will be sent to an alternate facility. The long-term leachate treatment needs will be evaluated prior to the future shutdown of the WWTP.	Public and Indigenous Comments/IRs	CNl-ND105, ND577	Closure	Clean Up Function	NSDF-specific
EIS-96	P-43	as part of Post-Closure Plan, the final cover [of the ECM] will be inspected and maintained for possible disturbance due to animal intrusion.	Public and Indigenous Comments/IRs	CNL-ND115	Post-Closure/Institutional Control	Maintenance	NSDF-specific
EIS-122	P-44	Before the WWTP is shut down, the long-term treatment needs for any leachate derived from the ECM will be evaluated... The leachate will be collected and treated through post-closure and Institutional Control period to meet guidelines for protection of the environment.	Public and Indigenous Comments/IRs	CNL-ND117	Closure	Clean Up Function	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-59	P-60	The non-compliant waste will be authorized on a case by case basis by the NSDF Facility Authority, and the waste will not in any circumstances result in contravening the safety goals and design targets for normal operations or design targets for accidents [3]. The non-compliant waste will be stored at the generator's site or at the Chalk River Laboratories (CRL) Waste Management Areas during the assessment stage.	Public and Indigenous Comments/IRs	CNL-ND164, ND180	Operations	Waste Management	NSDF-specific
EIS-100	P-62	Compliance to the WAC will be managed through the Canadian Nuclear Laboratories (CNL) Waste Management Program which begin with waste characterization and flows down to the Waste Profile where packages are created and accepted in accordance with the waste generator's waste management plan.	Public and Indigenous Comments/IRs	CNL-ND168	Operations	Waste Management	NSDF-specific
EIS-99	P-63	Ontario Regulation 347 will be used for non-radiological constituents [of waste], and Ontario Regulation 347 recognizes these methods for the treatment of non-radiological constituents.	Public and Indigenous Comments/IRs	CNL-ND177	Operations	Conduct of Operations	NSDF-specific
EIS-100	P-64	Each waste generator must perform valid waste characterization in order to send waste to NSDF. Each shipment of waste to the NSDF will have associated waste characterization documentation and/or certificates... CNL will be required to annually report the [waste] inventory in NSDF to the CNSC... A Waste Profile will be developed for each unique process or waste stream that can be identified.	Public and Indigenous Comments/IRs	CNL-ND178, ND190, ND224, ND226, ND227, ND242	Operations	Waste Management	NSDF-specific
EIS-108	P-65	Waste arriving at the Near Surface Disposal Facility (NSDF) must be solid, as per the Waste Acceptance Criteria (WAC)... Liquid immobilization will not occur at the NSDF. Solid wastes that require processing will occur in the Temporary Storage Waste Receiving Area (TSWRPA) within the ECM.	Public and Indigenous Comments/IRs	CNL-ND181	Operations	Waste Management	NSDF-specific
EIS-100	P-67	The Waste Profile needs to be accepted by NSDF Operations before the waste generator will receive authorization to ship the waste... (CNL) staff involved in any aspect of the waste management process (e.g., waste generator, transportation of waste, NSDF operations etc.) will be trained and qualified to the level required to effectively and compliantly manage waste to meet the criteria for disposal in the NSDF.	Public and Indigenous Comments/IRs	CNL-ND192	Operations	Waste Management	NSDF-specific
EIS-100	P-72	All waste accepted for disposal in the NSDF requires characterization, including waste generated by the WWTP. Waste tracking will be implemented to prevent double counting of radioactivity accounted for at the time of acceptance and waste emplacement.	Public and Indigenous Comments/IRs	CNL-ND278	Operations	Waste Management	NSDF-specific
EIS-90	P-74	An updated and revised Final Closure Plan for the NSDF Project will be prepared at the time of final closure based on actual, verified conditions through the end of the operations phase of the NSDF Project. This will enable flexible planning and mitigation of changes and deviations from the initial planning during the operations phase.	Public and Indigenous Comments/IRs	CNL-ND280	Operations	Conduct of Operations	NSDF-specific
EIS-47	P-77	the NSDF will accept radiologically contaminated asbestos waste [based on WAC].	Public and Indigenous Comments/IRs	CNL-ND293	Operations	Waste Management	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-134	P-78	The NSDF Project site security features will include signage, markers, fencing and gate. A chain-link fence will deter intruders and animals from site access. A control gate will be located on the north side of the NSDF Project site to allow personnel access for required maintenance and observation.	Public and Indigenous Comments/IRs	CNL-ND321, ND539, ND546, ND549	Pre-construction	Security	NSDF-specific
EIS-70	P-79	Upon closure, controls will be in place to limit land usage including recognition on the property title or deed to ensure the appropriate zoning restrictions and including buffer or attenuation zones.	Public and Indigenous Comments/IRs	CNL-ND321	Post-Closure/Institutional Control	Good Corporate Responsibility	NSDF-specific
EIS-281	P-83	In the unlikely event that the cover system shows signs of failure during the closure period, the cover system will be repaired.	Public and Indigenous Comments/IRs	CNL-ND327	Operations	Maintenance	NSDF-specific
EIS-10	P-84	Canadian Nuclear Laboratories (CNL) values input from all stakeholders and will continue to engage on this project and other activities undertaken by the organization... (CNL) has extended, and will continue to extend, offers to meet with varying groups to discuss the project... CNL will also attend public information events whenever requested... (CNL) continues to engage throughout the planning of the NSDF Project and if a licence is granted, CNL will continue engagement through construction and operation, closure and post-closure phases although levels of engagement will be proportionate to CNL's other activities.	Public and Indigenous Comments/IRs	CNL-ND328, ND329, ND339, ND356	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
EIS-21	P-88	CNL has started implementing the detailed Blanding's Turtle Road Mortality Mitigation Plan and will continue to implement the plan moving forward. The Blanding's Turtle Road Mortality Mitigation Plan [1] is designed to reduce or eliminate turtle road mortality at the Chalk River Laboratories (CRL) site and increase connectivity among habitats.	Public and Indigenous Comments/IRs	CNL-ND344	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
EIS-40	P-91	Forest management will be proposed and modeled to ensure bat habitat is preserved through time.	Public and Indigenous Comments/IRs	CNL-ND381	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
EIS-280	P-93	Residual effects which were predicted in the EIS will be monitored through the EAFMP and appropriate mitigation measures (including those proposed throughout the EIS) will be put in place, as necessary.	Public and Indigenous Comments/IRs	CNL-ND387	Construction and Operations	EA Follow-up Program	NSDF-specific
EIS-272	P-94	NSDF Project Emergency Preparedness Plan and emergency response procedures will be prepared to address any potential emergencies from accidents including internal fires, minor spill, major spill, natural gas/carbon monoxide leak, loss of power, high radiation, radiological contamination, bomb threat/suspicious package, hold and secure and stay-in.	Public and Indigenous Comments/IRs	CNL-ND389, ND580	Pre-construction	Emergency Preparedness	NSDF-specific
EIS-10	P-97	A detailed EAFMP is in preparation and will be made available for review by interested stakeholders and the general public.	Public and Indigenous Comments/IRs	CNL-ND399, ND423, ND579, ND584, ND588	Pre-construction	Public Information Program	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-210	P-102	The discharge although on the NSDF site is ultimately to the adjacent wetlands and will be dispersed by level spreaders to achieve even flow distribution to the wetlands... Water table elevation in the wetlands will be monitored to confirm that the ecological function of the wetlands is maintained... The surface water monitoring will be evaluated based on periodic review of monitoring data and modified as necessary following adaptive management principles.	Public and Indigenous Comments/IRs	CL-ND438	Operations	EA Follow-up Program	NSDF-specific
EIS-21	P-103	Although the species [Blanding's Turtles] has never been observed in this part of the site, CNL is adopting a precautionary approach and is planning on implementing stringent mitigation measures during the construction phase that includes, timing restrictions, exclusion fencing and conservation buffers. These buffers will provide adequate protection during the construction and operation phased of the Project.	Public and Indigenous Comments/IRs	CNL-ND461	Construction and Operations	Environmental Protection	Corporate/Site-wide
EIS-21	P-104	CNL started implementing a detailed Blanding's Turtle Road Mortality Mitigation Plan in 2019, and will continue to implement the plan moving forward... four major culverts will be replaced in the spring of 2020 and converted to proper turtle crossing using large box culverts in three locations and an open-top culvert in another along with proposer fencing and escape ramps. Nesting mounds will also be provided at each of the locations to reduce the need for adult female to travel long distance in search of a suitable nesting habitats.	Public and Indigenous Comments/IRs	CNL-ND461,CNL-ND463, ND464	Multiple/Ongoing	Environmental Protection	Corporate/Site-wide
EIS-221	P-105	[Blanding's Turtles] Nest mounds will be monitored weekly during the nesting season and after periods of rain. Maintenance of these mounds (e.g., vegetation removal) will also be completed at this time, if females are not present.	Public and Indigenous Comments/IRs	CNL-ND461	Operations	Environmental Protection	Corporate/Site-wide
EIS-255	P-106	The increase in traffic related to the NSDF Project and consequently the risk of road injury or mortality [of Blanding's Turtles] will be mitigated through replacing and enhancing habitat at four additional culverts; installing permanent exclusion fencing in reptile hotspots along Plant Road, using a "sentinel" to drive in front of big trucks that travel along Plant Road, ER3 Road, and East Mattawa Road; and completing additional monitoring for turtles along Plant Road during peak traffic hours.	Public and Indigenous Comments/IRs	CNL-ND461, ND463	Construction and Operations	Environmental Protection	Corporate/Site-wide
EIS-249	P-109	A Dust Management Plan will be in place, this includes control methods for water spraying or misting techniques (e.g., water trucks).	Public and Indigenous Comments/IRs	CNL-ND481	Construction and Operations	Conduct of Operations	NSDF-specific
EIS-56	P-112	While the potential for leaking from the base liner system is low, CRL's environmental follow-up program will be able to detect changes in groundwater quality and be able to react accordingly with remediation efforts.	Public and Indigenous Comments/IRs	CNL-ND509	Operations	EA Follow-up Program	NSDF-specific
EIS-120	P-115	...it is anticipated there will be approximately an additional 200 shipments per day during the 9-month construction season... It is estimated that there will be 10 trucks per day during operations (i.e., less than 1 truck per hour).	Public and Indigenous Comments/IRs	CNL-ND514	Construction and Operations	Construction	Corporate/Site-wide
EIS-120	P-116	CNL will coordinate transportation of construction materials during the construction phase to minimize overlap with peak employee traffic times	Public and Indigenous Comments/IRs	CNL-ND514	Construction	Construction	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-275	P-122	Waste disposed to the NSDF will include materials that generate radon gas. These radon generating materials will be present in the select waste, and within the bulk waste layers.	Public and Indigenous Comments/IRs	CNL-ND544, ND617	Operations	Waste Management	NSDF-specific
EIS-261	P-124	(CNL) will continue to monitor effluent released from the CRL Site and Ottawa River water quality.	Public and Indigenous Comments/IRs	CNL-ND551	Operations	Environmental Protection	Corporate/Site-wide
EIS-77	P-129	Visual inspection of the disposal cells will be performed during the institutional control period to ensure settlement/subsidence is not causing grade reversal or depressions in the final cover, burrowing animals are not present, and perimeter fence lines are intact and properly maintained.	Public and Indigenous Comments/IRs	CNL-ND567	Post-Closure/Institutional Control	Maintenance	NSDF-specific
EIS-280	P-132	Monitoring will be conducted to ensure residual environmental effects (those which cannot be mitigated by preventative actions) are minimized and to evaluate the effectiveness of mitigation measures committed to in the EIS.	Public and Indigenous Comments/IRs	CNL-ND577	Operations	EA Follow-up Program	NSDF-specific
EIS-56	P-134	During institutional control, inspection and surveillance activities will verify the integrity of the disposal facility system. The environmental monitoring activities of the EAFMP will verify that the performance continues to demonstrate compliance with the environmental assessment predictions. Groundwater monitoring through the EAFMP will verify that the ECM is containing waste and that there is no deterioration of groundwater or surface water.	Public and Indigenous Comments/IRs	CNL-ND577	Post-Closure/Institutional Control	Maintenance	NSDF-specific
EIS-56	P-136	Following facility closure, during the post-closure phase, basic monitoring and inspections of the site will periodically occur to confirm that the facility is performing as expected (e.g., ensuring settlement is complete).	Public and Indigenous Comments/IRs	CNL-ND579	Post-Closure/Institutional Control	Environmental Protection	NSDF-specific
EIS-32	P-138	The results of the EAFMP for the NSDF will be submitted in a report annually to the CNSC... (CNL) will engage with the public on how best to make monitoring results available.	Public and Indigenous Comments/IRs	CNL-ND582, ND613	Construction and Operations	Environmental Protection	Corporate/Site-wide
EIS-56	P-140	Monitoring will continue through the post-closure phase until deemed no longer necessary by the regulatory authority (i.e., cessation of institutional control).	Public and Indigenous Comments/IRs	CNL-ND584	Post-Closure/Institutional Control	Environmental Protection	NSDF-specific
EIS-68	P-141	Upon closure, controls will be in place to limit land usage including recognition on the property title or deed to ensure the appropriate zoning restrictions and including buffer or attenuation zones... While other areas of the Chalk River Laboratories (CRL) site may be reused, the NSDF Project site will continue to be restricted as a waste disposal facility.	Public and Indigenous Comments/IRs	CNL-ND584	Post-Closure/Institutional Control	Compliance	Corporate/Site-wide
EIS-4	P-142	Adaptive management will be a component of the long-term management of the NSDF.	Public and Indigenous Comments/IRs	CNL-ND584	Construction and Operations	Good Corporate Responsibility	Corporate/Site-wide

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	P-143	The NSDF Project will be maintained during the institutional control period to meet the following performance requirements: · prevent unacceptable dispersal of radioactive materials through environmental pathways (e.g., protecting groundwater from leachate); · detect release of radioactivity early; · confirm the final cover system can withstand damage from degradation over the design life; · confirm the vegetated topsoil of final cover system does not erode at an unacceptable rate; · maintain the final cover at an appropriate slope to mitigate the effects of settlement and achieve positive · drainage off the ECM surface to limit infiltration, erosion, sediment transport and maintain cover stability; · confirm that safety is provided by passive means (i.e., no active intervention necessary) during the post-closure phase; · execute applicable environmental requirements with regard to monitoring, and surface water management systems and drainage features; and · provide records for facility closure and for regulatory review.	Public and Indigenous Comments/IRs	CNL-ND588	Post-Closure/Institutional Control	Decommissioning & Demolition	NSDF-specific
EIS-100	P-151	Waste generators will be approved through Canadian Nuclear Laboratories (CNL) Waste Management Program prior to acceptance of waste for disposal in NSDF. For waste to be accepted for disposal in NSDF, the waste generator will need to characterize the waste, complete and submit a Waste Profile Record for review and approval, and apply for and receive approval to transport the waste to the facility. Initial discussions between the waste generator and NSDF operations personnel regarding the waste will be essential to ensure that the waste profiling process is accurate, complete and meets NSDF Project requirements.	Public and Indigenous Comments/IRs	CNL-ND622	Operations	Waste Management	NSDF-specific
EIS-65	P-152	The NSDF Project will enable the remediation of contaminated lands and legacy waste management areas (WMAs), and decommissioning of outdated infrastructure at the Chalk River Laboratories (CRL) site and other AECL-owned sites managed by Canadian Nuclear Laboratories (CNL). The NSDF Project will enable site remediation by providing a permanent and isolating disposal capacity for contaminated low-level waste thereby, resulting in a positive effect on groundwater and surface water quality on the CRL site.	Public and Indigenous Comments/IRs	CNL-ND635, ND667	Multiple/Ongoing	Clean Up Function	Corporate/Site-wide
EIS-47	P-153	Waste generated through remediation of WMAs and LDAs will be disposed of at the NSDF provided that these meet the WAC.	Public and Indigenous Comments/IRs	CNL-ND642	Operations	Waste Management	NSDF-specific
EIS-50	P-160	The geometric profile and height of ECM shall be designed to ensure that ECM is not visible either from Ottawa River, plant road or CRL campus. The base of the ECM (i.e., top of the primary liner) shall be designed to maintain a minimum of 1.5 m above the seasonal high groundwater table	Public and Indigenous Comments/IRs	CNL-ND83	Closure	Design Authority and Design Engineering	NSDF-specific
P-162	P-164	Each shipment of waste to the NSDF will have associated waste characterization documentation and/or certificates	Public and Indigenous Comments/IRs	CNL-ND83	Operations	Waste Management	NSDF-specific

EIS-ID	ID	Details of the commitment	Document	Comment #	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
EIS-100	P-166	A Waste Profile will be developed for each unique process or waste stream that can be identified.	Public and Indigenous Comments/IRs	CNL-ND83	Operations	Waste Management	NSDF-specific

Appendix B Consolidated lists of CNL Commitments made in response to comments from Indigenous communities

Table B-1: Commitments in CNL responses to Algonquins of Ontario (AOO) comments[2]

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOO-1	CNL will develop a Long-Term Relationship Agreement (LTRA) with the AOO. The LTRA identifies enhanced environmental and cultural heritage monitoring and stewardship opportunities, enhanced consultation opportunities and will explore ways for the AOO and its membership to obtain more economic benefits from CNL operations through employment, training, contracting and other measures.	IER AOO review of Final EIS - Issues Tracking Table	Appendix J.2 (IER - AOO Table) Appendix J.1 (IER - AOO Table) – February 22, 2021 Letter AOO to CNL Comments #2, #4, #5, #6, #28, #36, #40, #47, #50, #52, #53, #54, #55, #59, #60, #61, #62, #63, & #82	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
AOO-2	CNL is committed to involve all interested Indigenous communities in the NSDF Environmental Assessment Follow-up Monitoring Program (EAFMP) and would be pleased to discuss the issue further.	EIS IER AOO review of Final EIS - Issues Tracking Table	Section 6 Appendix J.2 (IER - AOO Table) Appendix J.1 (IER - AOO Table) – February 22, 2021 Letter AOO to CNL Comment #2, #5, #6 & #82	Pre-construction	Public Information Program	NSDF-specific
AOO-3	CNL is committed to including the AOO in the technical review of the NSDF Project EAFMP. CNL is willing to provide capacity for the technical review.	AKLUS Comments AOO review of Final EIS - Issues Tracking Table	General Recommendations #3 & #4 Comment #2, #5, #6, #11, #12, #16, #19, #24, #26, #31 & #41, #81, & #82	Pre-construction	Public Information Program	NSDF-specific
AOO-4	CNL has documented Algonquin VCs identified in the AKLUS and technical review within Table 6.3.2-1 of the NSDF final EIS. Given the current mature state of the Final EIS, CNL is willing to incorporate all Algonquin VCs into the EAFMP. The only case where an AOO VC is not incorporated is when CNL and AOO agree and provide evidence that the VC does not have the potential to interact with the project.	IER AOO review of Final EIS - Issues Tracking Table AKLUS Comments	Appendix J.1 (IER - AOO Table) - September 21, 2020 Letter from CNL to AOO. Comments #7, #8, #15, #16 and #17 General Recommendations #1	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific
AOO-5	Should previously undocumented archaeological resources be discovered on the NSDF Project site, CNL will suspend construction immediately and will engage a licensed consultant to carry out archaeological fieldwork, in compliance with Sec. 48 (1) of the Ontario Heritage Act. If any human remains are identified during	EIS IER	Section 6.4.4.2.1 Appendix J.2 (IER - AOO Table)	Construction	EA Follow-up Monitoring Program	NSDF-specific

[2] Section 6.2.4.2 of the EIS describes engagement, feedback, and a summary discussion of AOO interests and concerns, verification and next steps.

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	construction, CNL will immediately notify the police or coroner and the Registrar of Cemeteries, Ministry of Small Business and Consumer Services, and Indigenous communities or organizations.					
AOO-6	CNL is committed to sharing the details of our current mitigation plans, including those specifically related to recommendations from Table 4 (AKLUS), in order to demonstrate alignment with best industry practices and to invite and incorporate feedback from AOO. CNL commits to a dedicated recommendations and mitigation workshop with AOO, to co-develop and collaborate on avoidance and mitigation measures. CNL is willing to provide capacity funding for this work.	IER AKLUS Comments	Appendix J.1 (IER - AOO Table) – February 22, 2021 Letter AOO to CNL General Recommendations #3	Pre-construction	Public Information Program	NSDF-specific
AOO-7	CNL is committed to providing economic opportunities, specifically employment and/or contracting associated with the NSDF Project to AOO, Algonquin businesses and members.	AKLUS Comments AOO review of Final EIS - Issues Tracking Table	General Recommendations #7 Comment #56 & #57	Pre-construction	Good Corporate Responsibility	NSDF-specific
AOO-8	The NSDF Project commits to contacting the AOO consultation office should artifacts be discovered. CNL is open to discussing the transfer of artifacts to AOO but the AOO should be aware that suitable storage facilities are required for such artifacts.	AKLUS Comments	General Recommendations #8 Site Specific Recommendation #8(a) & #59	Construction	EA Follow-up Monitoring Program	NSDF-specific
AOO-9	CNL is committed to engage AOO in the co-development of the Sustainable Forest Management Plan (SFMP) for the CRL property. This includes the opportunity for the AOO to identify additional AOO VCs as featured species to include in the SFMP (e.g., black bear).	EIS AKLUS Comments AOO review of Final EIS - Issues Tracking Table	Section 5.6.4.8 Site Specific Recommendations #3 (b), #4 (c), #8 (d), #9, #10 (c), & #11 Comment, #16	Multiple/Ongoing	Public Information Program	NSDF-specific
AOO-10	CNL is committed to provide Algonquins with an opportunity to conduct pre-clearing site visits. If harvestable materials are found in the pre-clearing site visits, CNL is open to providing the AOO with opportunities to conduct harvests at times that are mutually beneficial to CNL and the AOO, and reflective of ideal plant material harvesting periods.	AKLUS Comments AOO review of Final EIS - Issues Tracking Table	Site Specific Recommendations #4 (a) and (b) #8 (b) & (c) Comments #17 & #18	Pre-construction	Good Corporate Responsibility	NSDF-specific
AOO-11	CRL is committed to providing Algonquins an opportunity to inspect the site for these plants: Bearberry, cleavers, pipsissewa, yarrow, self-heal, sweet fern, bluebead lily, Indian cucumber, Indian pipe, Solomon's seal, Canada mayberry, golden thread, Indian strawberry, maidenhair fern, running clubmoss.	AKLUS Comments	Site Specific Recommendations #49	Pre-construction	Good Corporate Responsibility	NSDF-specific
AOO-12	CNL is committed to involving AOO in site wide landscaping and vegetation initiatives under the context of the LTRA	AKLUS Comments	General Recommendations #7, Site Specific Recommendations #49	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
AOO-13	CNL is supportive of and will assist with the logistics for a location-specific commemoration and/or cultural recognition activities with respect to the NSDF Project, prior to construction.	AOO review of Final EIS - Issues Tracking Table	Comment #1(d)	Pre-construction	Good Corporate Responsibility	NSDF-specific

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOO-14	CNL is committed to engaging the AOO in future planning for the closure of NSDF, including input on the timing and circumstances for cessation of monitoring activities. CNL will engage and collaborate with AOO during updates of the NSDF Closure Plan which will occur every five years.	AOO review of Final EIS - Issues Tracking Table	Comment #30	Multiple/Ongoing	Clean Up Function Program	NSDF-specific
AOO-15	CNL is committed to engaging with AOO and considering additional mitigation measures to include within the NSDF Project Environmental Protection Plan. CNL will engage and collaborate with AOO's prior to finalizing the NSDF Project construction work control documents. CNL is willing to provide capacity for the technical review.	AOO review of Final EIS - Issues Tracking Table	Comment #10, #26, & #81	Construction	Public Information Program	NSDF-specific
AOO-16	CNL is committed to co-developing a project specific cultural and heritage protection plan (CHPP) with the AOO prior to finalizing the NSDF Project construction work control documents. The CHPP would be integrated into the NSDF Project Environmental Protection Plan.	AOO review of Final EIS - Issues Tracking Table	Comment #66, #69, & #74	Pre-construction	Public Information Program	NSDF-specific
AOO-17	CNL is committed to providing AOO opportunities for review and engagement with respect to CNL's waste verification process.	AOO review of Final EIS - Issues Tracking Table	Comment #3	Multiple/Ongoing	Public Information Program	NSDF-specific
AOO-18	CNL is committed to not exceeding the amount of offsite waste streams as described in the NSDF Final EIS (i.e., 5% commercial sources and 5% other AECL sites). If CNL were to contemplate receipt of any waste stream not currently described in the NSDF Final EIS, CNL is committed to early engagement and support from the AOO on the receipt of a new waste stream, prior to pursuing regulatory approvals.	AOO review of Final EIS - Issues Tracking Table	Comment #4	Multiple/Ongoing	Public Information Program	NSDF-specific
AOO-19	CNL is committed to providing the AOO with ongoing communication and engagement regarding the types of off-site waste that will be placed in the NSDF.	AOO review of Final EIS - Issues Tracking Table	Comment #4	Multiple/Ongoing	Public Information Program	NSDF-specific
AOO-20	CNL is committed to including new technology developed during the life of the Project which removes tritium from effluent and satisfies Best Available Technology and Techniques Economically Achievable (BATEA) criteria.	AOO review of Final EIS - Issues Tracking Table	Comment #5	Multiple/Ongoing	Design Engineering	NSDF-specific
AOO-21	CNL will provide AOO with a co-development role in identifying adaptive management triggers/thresholds and responses that will be incorporated in the EAFMP.	AOO review of Final EIS - Issues Tracking Table	Comment #5	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific
AOO-22	CNL is committed to providing capacity to the AOO to undertake a country foods survey specific to the NSDF Project. CNL will utilize the results of the country foods study to verify project assumptions.	AOO review of Final EIS - Issues Tracking Table	Comment #36, #47, #48 (partially address) & #50	Pre-construction	Good Corporate Responsibility	NSDF-specific
AOO-23	CNL will provide the results of the 2021 bat telemetry field study and stand-level habitat suitability modeling and mapping when publicly available.	AOO review of Final EIS - Issues Tracking Table	Comment #21	Pre-construction	Public Information Program	NSDF-specific
AOO-24	CNL will provide the Blasting Plan to the AOO once developed by the construction contractor. CNL is willing to provide capacity for the technical review. CNL is interested in understanding from AOO measures related to blasting that are specific to AOO issues and concerns.	AOO review of Final EIS - Issues Tracking Table	Comment #23	Construction	Construction	NSDF-specific
AOO-25	CNL is committed to the reconciliation of Algonquin ecological knowledge in cases where it may contradict the western scientific approach to identifying VCs. One collaborative approach forward may be CNL informing the AOO on its approach to biodiversity surveys combined with Algonquin Knowledge holders' involvement in	AOO review of Final EIS - Issues Tracking Table	Comment #27	Pre-construction	Public Information Program	NSDF-specific

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	ground truthing exercises, using Indigenous knowledge and land use study methods.					
AOO-26	CNL is willing to commit to select activities to encourage AOO economic opportunities in relation to the NSDF Project. For example this can include capacity for mail out or e-mail distribution to the AOO membership about the NSDF Project and requesting that individuals with an interest in being employed or contracted on the project to contact CNL/AOO/the identified contractor.	AOO review of Final EIS - Issues Tracking Table	Comment #56 & #57 (partially address)	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific
AOO-27	CNL is committed to offset the NSDF Project-related loss of forested area with a CRL-site wide SFMP. CNL is committed to engage and collaborate with AOO in the co-development of the SFMP. This includes the opportunity for the AOO to co-develop measures for offsetting the loss of northern red oak trees (hard mast production, wildlife forage) through the SFMP, as well as promoting the growth of culturally important tree species onsite, where ecologically appropriate.	AOO review of Final EIS - Issues Tracking Table AKLUS Comments	Comment #16 Site-specific recommendations #3 (b), #4 (c), #8 (d), #9 (c), #10 (c), & #11 (b)	Multiple/Ongoing	Public Information Program	NSDF-specific
AOO-28	CNL is committed to providing AOO with the draft Invasive Species Management Plan for review and comment. CNL is willing to provide capacity for the technical review.	AOO review of Final EIS - Issues Tracking Table	Comment #25	Pre-construction	Good Corporate Responsibility	NSDF-specific
AOO-29	CNL is committed to providing AOO with annual updates on wildlife mortality/conflict issues and wildlife-related concerns documented through CNL's ImpAct system, through annual EAFMP reporting.	AOO review of Final EIS - Issues Tracking Table AKLUS Comments	Comment #16 Site Specific Recommendations #3(c), #7, #9(c) & #11(b)	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific

Table B-2: Summary List of CNL Commitments to AOPFN as of April, 2021[3]

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOPFN-0	The AOPFN and CNL have signed a Contribution Agreement. Together the two organizations have agreed to a mutually beneficial, on-going working relationship and to provide a process to which CNL can engage with the AOPFN community to better understand any AOPFN rights and interests that may be impacted in the general and surrounding areas the NSDF Project. The contribution agreement includes funding for AOPFN-led studies as well as for meetings/discussions on the AOPFN's review of the AKLUS, review of NSDF Project documents and engagements leading up to the CNSC Commission Hearing on the NSDF Project. Revisions to the contribution were agreed to between AOPFN and CNL in December 2020 to accommodate additional capacity for the review of the 2019 revised Draft EIS.	Contribution Agreement	n/a	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific
AOPFN-1	CNL is committed to providing the funding to continue the Working Group and AOPFN Advisory Committee (AAC) until a site-wide arrangement is established. The Working Group would continue to be a venue for: - NSDF Project updates to the AOPFN community through construction and operation of NSDF. - AOPFN community members to express areas of concern with respect to and to be addressed by the Project. - Confirming appropriate implementation of NSDF-specific mitigation, monitoring, and compensatory commitments related to AOPFN rights and interests. - NSDF Project's primary point of engagement with AOPFN during planning, construction, and operations of the Project.	IER Final EIS AOPFN's review of the 2019 revised Draft EIS.	Appendix K.1 (IER - AOPFN Table) - March 29, 2021 Letter to AOFPN from CNL 6.2.4.3.5 Comment 3, 23, 30, 35	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific
AOPFN-2	CNL is committed to supplementing the NSDF Project's existing mitigations for an undocumented archaeological resource being discovered in accordance with AOPFN's view of "chance-find procedure". CNL will seek AOPFN's inputs prior to finalizing the NSDF Project construction work control documents.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) - March 29, 2021 Letter to AOFPN from CNL Comment 28	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific
AOPFN-3	CNL is committed to co-drafting with AOPFN a "traditional land and resource use discovery plan" to protect undocumented areas of importance at or in close proximity to the NSDF Project site. CNL will seek AOPFN's inputs prior to finalizing the NSDF Project construction work control documents.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 3, 15, 26, 28	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific

[3] Section 6.2.4.3 of the EIS describes engagement, feedback, and a summary discussion of Algonquins of Pikwakanagan First Nation interests and concerns, verification and next steps.

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOPFN-4	CNL is committed to the development of additional communication materials for AOPFN community members and to communicate the NSDF Project details more clearly and more frequently. To facilitate these intentions CNL is committed to providing capacity through an amendment to the existing Contribution Agreement for an AOPFN employed Communications Specialist to work with CNL on project communications for AOPFN members.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 4, 9, 15, 22, 27, 32	Multiple/Ongoing	Public Information Program/Good Corporate Responsibility	NSDF-specific
AOPFN-5, 8, 9, 16, 17, 18, 20, 22, 23, 25, 26, 27, 28, 30, 33, 34, 35, 36, 37, 40, 45, 46, 48, 49, 50, 52	AOPFN, AECL and CNL have begun discussions towards a Long-term Relationship Agreement which is meant to identify areas of mutual benefit, enable communications and engagement, and address broader AOPFN interests related to AECL and CNL activities. The agreement will include provisions for AOPFN involvement in environmental and cultural stewardship and monitoring.	IER Final EIS AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL 6.2.4.3.4 Comments 1, 2, 6, 7, 8, 9, 15, 18, 20, 24, 27, 28, 30, 32, 33, 34, 35	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
AOPFN-6	CNL is committed to develop with AOPFN potential a practical, meaningful role for AOPFN in the NSDF monitoring program, and support Indigenous knowledge monitoring in relation to the Project. This includes financial support from CNL for the development and implementation of an AOPFN Guardian Program, as it relates to the NSDF Project, thus includes the provision of capacity for training and implementation.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 3, 6, 9, 10, 11, 12, 15, 16, 19, 20, 21, 27, 32, 34, 35	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific
AOPFN-7	CNL is supportive of and will assist with the logistics and funding for location-specific commemoration and/or cultural recognition activities by AOPFN with respect to the NSDF Project, prior to construction and prior to beginning of operations.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 28	Pre-construction	Good Corporate Responsibility	NSDF-specific
AOPFN-10	CNL is committed to co-development of protocols and procedures for notification to AOPFN of any Eagle found dead, and to arrange that Eagle feathers found, in or within proximity to the NSDF Project footprint are donated to the AOPFN Omamiwinnini Pimadjwowin (Algonquin Way Culture Centre). CNL will seek AOPFN's inputs prior to finalizing the NSDF Project construction work control documents.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 16	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOPFN-11	The NSDF Project committed to offset the loss of forested area and habitat with a CRL-site wide Sustainable Forest Management Plan (SFMP). This proposed offset will contribute to no net loss of habitat by the NSDF Project as well as will benefit the large mammal population within the Algonquin territory. CNL is committed to engage AOPFN in the co-development of the SFMP. In addition, CNL will consider support for offsets at off-site locations brought forward by AOPFN, which are commensurate with the wildlife habitat impacts associated with the NSDF Project.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 17, 20	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-12	CNL is committed to engage AOPFN in the co-development of the Sustainable Forest Management Plan.	Final EIS AOPFN's review of the 2019 revised Draft EIS	5.6.4.8 Comment 17, 19, 20, 34	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-13	The NSDF Project committed to offset the loss of forested area and habitat with a CRL-site wide Sustainable Forest Management Plan (SFMP). CNL is committed to engage AOPFN in the co-development of the Sustainable Forest Management Plan where enhancement and protection of Mónz and Wawáshkeshi Habitat can be included as objectives. CNL is committed to co-developing with AOPFN additional mitigation measures to protect Monz and Wawashkeshi habitat for inclusion within the NSDF Project Environmental Protection Plan (EPP). CNL will seek AOPFN's inputs prior to finalizing the NSDF Project construction work control documents.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 20	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-14	Prior to construction, CNL is committed to engage AOPFN in how timber salvage will occur at the site and whether there are economic development opportunities related to forest clearing that AOPFN can access.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 17	Multiple/Ongoing	Public Information Program	NSDF-specific

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOPFN-15	CNL is committed to continuing to explore with AOPFN potential practical, meaningful role for AOPFN in the NSDF monitoring program. This includes financial support from CNL for the development and implementation of an AOPFN Guardian Program, as it relates to the NSDF Project, thus includes the provision of capacity for training and implementation. Other examples include: CNL's commitment to engage AOPFN in the co-development of the Sustainable Forest Management Plan which will offset the loss of forested area (and include objectives for enhancement and protection of Mónz and Wawáshkeshi habitat); CNL's commitment to co-develop protocols for Bald Eagle; CNL's commitment to co-develop a NSDF Project specific cultural protection plan. CNL will provide AOPFN with a co-development role in identifying adaptive management triggers/thresholds and responses in relation to valued components related to AOPFN rights and interests, to be built into the EAFMP. CNL will be making the draft EAFMP available for comment by AOPFN in early 2021 for a technical evaluation on monitoring plans and species proposed for monitoring. As part of that review CNL suggests the AOPFN identify Algonquin observational parameters to be included in Project-specific monitoring activities.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 3, 16, 20	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-19, 29, 39, 42	CNL is committed to engaging with the AOPFN in the NSDF Project EAFMP development. CNL will provide AOPFN with a co-development role in identifying adaptive management triggers/thresholds and responses in relation to valued components related to AOPFN rights and interests, to be built into the EAFMP. CNL will be making the draft EAFMP available for comment by AOPFN in early 2021 for a technical evaluation on monitoring plans and species proposed for monitoring. As part of that review CNL suggests the AOPFN identify Algonquin knowledge to be included in adaptive management approach.	IER Final EIS AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL 6.2.4.3.3, 6.2.5 Comment 4, 10, 11, 12, 13, 14, 16, 18, 20	Pre-construction	Public Information Program	NSDF-specific
AOPFN-21	CNL is committed to and will assist with the logistics and funding for a pre-construction "Inventory" data collection period where AOPFN guardians and TK holders can conduct an inventory of the NSDF Project footprint. Results of the inventory will be considered by the Working Group prior to the completion of the EPP and/or EAFMP, and may (for example) identify areas to be protected from construction activities. If harvestable inventory is found in the pre-construction site visits, CNL is	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 3, 10, 11, 12, 13, 14, 17, 20, 21	Pre-construction	Good corporate Responsibility	NSDF-specific

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
	open to providing the AOPFN with an opportunity to conduct harvests prior to the construction.					
AOPFN-24	CNL is committed to provide adequate capacity to the AOPFN to update the AKLUS within 3 years of NSDF Project approval and on a period thereafter no more than every 5 years of the Project. For greater clarity, the updated NSDF AKLUS is to be funded no later than 6 months prior to the filing for an application to operate the NSDF.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix B (AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 22, 27	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-31	Through the Working Group, CNL is committed to working with the AOPFN to identify barriers for accessing economic opportunities from the NSDF Project, mitigation of those barriers and ways to monitor the degree to which AOPFN members are able to take advantage of benefits of the NSDF Project. Furthermore, within its services agreement with the NSDF Construction services contract, CNL has required use of local and indigenous suppliers. The contractor will be required to report on its diversity and inclusion of subcontractors, including tracking indigenous suppliers.	IER Final EIS AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL 6.2.4.3.4 Comment 30	Multiple/Ongoing	Good corporate Responsibility	NSDF-specific
AOPFN-32	CNL is committed to achieving understanding and support from the AOPFN as part of the NSDF Project engagement. Where there are differences of opinion or concerns that need to be addressed, CNL is willing to explore mitigation measures and formulate commitments with the AOPFN with the intention of trying to remove or lessen the concern. To this end, CNL is committed to continued discussions with AOPFN, as outlined above, on the NSDF Project prior to the Commission Hearing. The commitments for AOPFN support would be reflective of the AOPFN Principles and Requirements List and the associated "rule" or "requirement" in the AOPFN document which would demonstrate application by the NSDF Project.	IER	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-38	Upon completion of the two ongoing AOPFN studies, CNL is committed to meeting with the Working Group to discuss how to address member concerns. Assuming the two ongoing AOPFN studies maintain their schedule, CNL is committed to reporting the results within future revisions of the IER which will be submitted to the CNSC as supplemental documentation prior to the commission hearing. CNL is also committed that the results of the two AOPFN studies should also inform the NSDF Project's EAFMP.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 13, 22, 25, 26	Pre-construction	Public Information Program	NSDF-specific
AOPFN-39, 41	CNL is committed to co-developing with the AOPFN additional mitigation measures to include within the NSDF Project Environmental Protection Plan. CNL will seek AOPFN's inputs prior to finalizing the NSDF Project construction work control documents.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 4, 10, 11, 12, 13, 14, 18, 19	Construction	Public Information Program	NSDF-specific

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AOPFN-43	CNL is committed to engaging the AOPFN in the development of the NSDF Project EAFMP, to engage the EAFMP and the AOPFN Guardian program in the characterization of impacts on AOPFN traditional land and resource use in proximity to the NSDF Project, and tie the results of this monitoring program to appropriate adaptive management mechanisms co-developed between AOPFN and CNL if greater than expected impacts occur.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 15, 22, 32	Pre-construction	EA Follow-Up Monitoring Program	NSDF-specific
AOPFN-44	CNL is committed to achieving understanding and support from the AOPFN with respect to the proposed off-site waste streams as described in the NSDF Project EIS. Where there are differences of opinion or concerns that need to be addressed, CNL is willing to explore mitigation measures and formulate commitments with the AOPFN with the intention of trying to remove or lessen the concern. To this end, CNL is committed to continued discussions with AOPFN, as outlined above, on the NSDF Project prior to the Commission Hearing. The commitments for AOPFN support would be reflective of the AOPFN Principles and Requirements List and the associated "rule" or "requirement" in the AOPFN document which would demonstrate application by the NSDF Project. Furthermore, if CNL were to contemplate receipt of any waste stream not currently described in the NSDF EIS or licensing basis documents for NSDF, CNL is committed to early engagement and support from the AOPFN on the receipt of a new waste stream, prior to pursuing regulatory approvals.	IER	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL	Multiple/Ongoing	Public Information Program	NSDF-specific
AOPFN-47	CNL is committed to engaging the AOPFN in future planning for the closure of NSDF, including input on restoration or rehabilitation of the facility footprint. CNL will engage the AOPFN to co-develop updates to the NSDF Closure Plan which will occurs every 5 years.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 7	Multiple/Ongoing	Clean Up Program	NSDF-specific
AOPFN-51	CNL is supportive of integrating a cultural protection plan, including physical heritage and less tangible elements of cultural continuity, co-developed with AOPFN, into the NSDF Project Environmental Protection Plan. CNL will seek AOPFN's inputs prior to finalizing the NSDF Project construction work control documents.	IER	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL	Construction	Public Information Program	NSDF-specific
AOPFN-53	CNL will engage with AOPFN to co-develop a project-specific site access protocol for AOPFN members which supports facilitating NSDF Project specific commitments.	IER AOPFN's review of the 2019 revised Draft EIS	Appendix K.1 (IER - AOPFN Table) – March 29, 2021 Letter to AOPFN from CNL Comment 28	Multiple/Ongoing	Public Information Program	NSDF-specific

Table B-3: Commitments in CNL responses to Metis Nation Ontario (MNO) comments[4]

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
MNO-0	CNL will continue working with MNO citizens on understanding that there are no risks to traditional uses adjacent to the Chalk River site.	Final EIS	6.2.4.4.3	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
MNO-1	CNL will continue engagement with the MNO with the objective of addressing or resolving any issues or concerns with the NSDF Project.	Final EIS	6.2.4.4.5	Multiple/Ongoing	Good Corporate Responsibility	NSDF-specific
MNO-2	CNL has indicated that it is willing to involve all Indigenous communities in its monitoring programs and would be pleased to discuss the issue further.	Final EIS, Public and Indigenous Groups Table	6.2.4.4.3, ND41, ND475	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
MNO-3	Input from the public and Indigenous peoples will be sought on the Environmental Assessment Follow Up Monitoring Program. CNL looks forward to working with MNO to discuss MNO's input and ideas for follow-up monitoring, including MNO involvement in this program.	Final EIS, Public and Indigenous Groups Table	6.2.4.4.3, ND41, ND345, ND390	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific
MNO-4	The Indigenous Engagement Report (IER), which is a technical supporting document to the EIS, will be a living document that will include feedback and any changes related to the feedback, on an ongoing basis.	Final EIS	Section 6.1	Multiple/Ongoing	Public Information Program	NSDF-specific
MNO-5	CNL is committed to continuing discussion on a long-term relationship with CNL for the Chalk River Laboratories site to improve understanding of CNL on Métis rights for future project developments.	Indigenous Engagement Report	Appendix L.2 - MNO Interests and Concerns Table	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
MNO-6	CNL remains committed to ongoing engagement with the MNO, including future discussions with MNO citizens on aquatic biodiversity at the CRL site. CNL is looking forward to discussions with MNO on ideas to complete this, such as through tours at the CRL site.	Indigenous Engagement Report	Appendix L.2 - MNO Interests and Concerns Table	Multiple/Ongoing	Public Information Program	NSDF-specific
MNO-7	CNL is committed to seeking input from MNO for additional mitigation measures to include within the NSDF Project Environmental Protection Plan, which includes the dust management, erosion and sediment control and surface water management plans. CNL will seek MNO's input prior to finalizing the NSDF Project construction work control documents.	Public and Indigenous Groups Table, Indigenous Engagement Report	ND396, Appendix L.2 - MNO Interests and Concerns Table	Construction	Public Information Program	NSDF-specific

[4] Section 6.2.4.4 of the EIS describes engagement, feedback, and a summary discussion of MNO interests and concerns, verification and next steps.

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
MNO-8	CNL will provide to the MNO a high level construction schedule for the NSDF Project.	Indigenous Engagement Report	Appendix L.2 - MNO Interests and Concerns Table	Construction	Public Information Program	NSDF-specific
MNO-9	CNL will provide the Blasting Plan to MNO once developed by the construction contractor. CNL is interested in understanding from MNO measures related to blasting the NSDF Project that are specific to MNO issues and concerns.	Public and Indigenous Groups Table, Indigenous Engagement Report	ND393, ND469, Appendix - MNO Issues and Concerns table	Construction	Public Information Program	NSDF-specific
MNO-10	CNL will update the EIS as suggested by the MNO reviewer: "The Regional Study Area was expanded to include reach of the Ottawa River extending 8 km downstream from CNL in response to comments received from Indigenous groups and the public"	Indigenous Engagement Report	Appendix L.2 - MNO Interests and Concerns Table	Pre-Construction	Public Information Program	NSDF-specific
MNO-11	The MNO and CNL have signed a Memorandum of Understanding (MOU). Together the two organizations have agreed to a mutually beneficial, on-going working relationship and to provide a process to which CNL can engage with the Métis community at the local and regional levels in order to better understand any Métis Rights and Interests that may be impacted in the general and surrounding areas around the projects.	Public and Indigenous Groups Table	ND32, ND347, ND348, ND349, ND350, ND351, ND353, ND354, ND373, ND374, ND507, ND515, ND658	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
MNO-12	Canadian Nuclear Laboratories is providing capacity under this agreement in addition to the Participant Funding the MNO is receiving from the Canadian Nuclear Safety Commission (CNSC) Participant Funding Program.	Public and Indigenous Groups Table	ND349	Pre-construction	Good Corporate Responsibility	NSDF-specific
MNO-13	Canadian Nuclear Laboratories (CNL) is willing to share with the MNO any studies specifically requested to the extent possible.	Public and Indigenous Groups Table	ND658	Multiple/Ongoing	Public Information Program	NSDF-specific
MNO-14	Engagement with Indigenous communities and groups and stakeholders will be planned as the Overview Decommissioning and Cleanup Plan ODCP is developed.	Public and Indigenous Groups Table	ND40	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
MNO-15	While trapping is prohibited in the LSA and most areas of the RSA due to restricted public access within the CRL site boundary, results of consultation and engagement have identified that there may be some limited trapping activities at the southern portion of the RSA, beyond the CRL site boundary on the Garrison Petawawa property. As mitigation measures to limit potential effects on traditional hunting and trapping within the CRL site boundary, CNL will consult with trappers about their use of the surrounding areas for trapping activities and to understand any concerns.	Public and Indigenous Groups Table	ND57	Multiple/Ongoing	Public Information Program	NSDF-specific
MNO-16	As stated in Section 6.2.5 of the final EIS, engagement activities with Indigenous communities regarding the NSDF Project continue as appropriate, necessary and requested as environmental assessment and Project planning activities progress. The nature of additional engagement activities will be consistent with CNL's Indigenous engagement objectives. Canadian Nuclear Laboratories (CNL) will endeavour to evaluate and integrate information provided by these communities in the Project planning and design.	Public and Indigenous Groups Table	ND350, ND351, ND504, ND505, ND596	Pre-construction	Public Information Program	NSDF-specific
MNO-17	Canadian Nuclear Laboratories (CNL) will continue to engage with Indigenous peoples about the NSDF Project but also more broadly about the CRL site and other projects. CNL is working towards developing long-term relationships with Indigenous peoples that have traditional territories and modern-day interests near its operations.	Public and Indigenous Groups Table	ND504, ND505	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide

ID	Details of the commitment	Where commitment is referenced (document, section/table)	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
MNO-18	The Pointe au Baptême site is not within the footprint of the NSDF Project or the CRL site, but is within the Regional Study Area. The Indigenous Engagement Report [1] states in multiple sections (Section 6.1.5.2.1; 6.1.5.2.2; 6.1.7) that traditional access to the Pointe au Baptême site along the Ottawa River will continue to occur and will not be restricted due to the NSDF Project[5].	Public and Indigenous Groups Table	ND499, ND505, ND507	Multiple/Ongoing	Public Information Program	Corporate/Site-wide
MNO-19	Canadian Nuclear Laboratories (CNL) is committed to organizational transparency, ensuring that Indigenous communities, the general public, local communities, elected and appointed government officials and other industry stakeholders are properly informed about activities carried out at Canadian Nuclear Laboratories sites.	Public and Indigenous Groups Table	ND526	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide

[5] Indigenous engagement is a part of CNL's corporate Public Information Program document.

Table B-4: Commitments in CNL responses to Algonquin Anishinabeg Nation Tribal Council (AANTC), Kitigan Zibi Anishnibag First Nation and Kebaowek First Nation comments[6]

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AANTC-0	CNL has indicated that it is willing to involve all Indigenous communities in its monitoring programs and would be pleased to discuss the issue further.	Final EIS, Public and Indigenous Groups Table	6.2.4.3.3	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
AANTC-1	CNL is willing to involve all interested Indigenous communities including the AANTC in the NSDF Environmental Assessment Follow-up Monitoring Program (EAFMP).	Final EIS, Public and Indigenous Groups Table	6.2.4.5.3, ND386	Multiple/Ongoing	EA Follow-up Monitoring Program	NSDF-specific
AANTC-2	The AANTC has indicated an interest at one point about procurement and contracting opportunities. CNL has provided information and is willing to follow-up further with the AANTC at their request.	Final EIS	6.2.4.5.3	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
AANTC-3	CNL and AANTC have begun discussions on a contribution agreement to support the AANTC's technical review of the 2019 revised draft EIS. AANTC indicated Kitigan Zibi Anishnibag First Nation and Kebaowek First Nation will be involved in contibution agreement meetings.	Final EIS	6.2.4.5.5, 6.2.4.6.5, 6.2.4.7.5	Pre-construction	Public Information Program	NSDF-specific
AANTC-4	CNL acknowledges that Kitigan Zibi Anishinabeg First Nation may have more comments on the project going forward and CNL will continue engagement with Kitigan Zibi Anishnibag First Nation to provide notifications of project activities.	Final EIS	6.2.4.6.5	Multiple/Ongoing	Public Information Program	NSDF-specific
AANTC-5	CNL is interested in meaningful engagement with the AANTC and Kebaowek First Nation on the NSDF Project.	Final EIS	6.2.4.5.1, 6.2.4.7.1	Multiple/Ongoing	Public Information Program	NSDF-specific
AANTC-6	CNL will continue to follow-up with the Kebaowek First Nation on engagement opportunities and about any outstanding interests and concerns.	Final EIS	6.2.4.7.5	Multiple/Ongoing	Public Information Program	NSDF-specific
AANTC-7	The final EIS, federal and provincial comments, and public comments that were made in French along with their subsequent responses will be made available in both official languages, as outlined in Appendix A to the CNL-CNSC Administrative Protocol for the Near Surface Disposal Facility Project at Chalk River Laboratories (Step 31).	Public and Indigenous Groups Table	ND335	Pre-construction	Public Information Program	NSDF-specific

[6] Section 6.2.4.5, 6.2.4.6 and 6.2.4.7 of the EIS describes engagement, feedback, and a summary discussion of AANTC, Kitigan Zibi Anishnibag First Nation and Kebaowek First Nation interests and concerns, verification and next steps.

Table B-5: Commitments in CNL responses to Williams Treaty First Nation (WTFN) comments[7]

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
WTFN-1	CNL has indicated that it is willing to involve all Indigenous communities in its monitoring programs and would be pleased to discuss the issue further.	Final EIS, Public and Indigenous Groups Table	6.2.4.4.3, ND41, ND475	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
WTFN-2	Input from the public and Indigenous peoples will be sought on the Environmental Assessment Follow Up Monitoring Program.	Final EIS, Public and Indigenous Groups Table	11.0, ND41, ND345	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific
WTFN-3	CNL will continue to work with WTFN communities (collectively) or on an individual community basis.	Final EIS	6.2.4.8.1.1	Multiple/Ongoing	Public Information Program	NSDF-specific
WTFN-4	CNL will also continue to provide notifications of project activities to all WTFN communities unless otherwise instructed.	Final EIS	6.2.4.8.1.1	Multiple/Ongoing	Public Information Program	NSDF-specific
Alderville						
WTFN-5	CNL will continue engagement with Alderville FN and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.8.2.4	Multiple/Ongoing	Public Information Program	NSDF-specific
Beausoleil FN						
WTFN-6	CNL will continue engagement with Beausoleil FN and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.8.3.4	Multiple/Ongoing	Public Information Program	NSDF-specific
Chippewas of Georgina Island FN						
WTFN-7	CNL will continue engagement with Chippewas of Georgina Island FN and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.8.4.4	Multiple/Ongoing	Public Information Program	NSDF-specific
Chippewas of Rama FN						
WTFN-8	CNL will continue engagement with Chippewas of Rama FN and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.8.5.4	Multiple/Ongoing	Public Information Program	NSDF-specific
Curve Lake FN						
WTFN-9	CNL will continue engagement with Curve Lake FN and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.8.6.4	Multiple/Ongoing	Public Information Program	NSDF-specific
WTFN-10	CNL is committed to continuing discussions with Curve Lake FN on the next steps towards a contribution agreement that supports meaningful participation of Curve Lake FN on the NSDF Project environmental assessment.	Indigenous Engagement Report, Appendix U.2	IER Appendix U.2	Pre-construction	Good Corporate Responsibility	NSDF-specific
Hiawatha FN						
WTFN-11	CNL will continue engagement with Hiawatha FN to provide notifications of project activities.	Final EIS	6.2.4.8.7.4	Multiple/Ongoing	Public Information Program	NSDF-specific
Mississaugas of Scugog Island FN						
WTFN-12	CNL will continue engagement with Missaugas of Scugog Island FN and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.8.8.4	Multiple/Ongoing	Public Information Program	NSDF-specific

[7] Section 6.2.4.8 of the EIS describes engagement, feedback, and a summary discussion of each of the communities of the Williams Treaty First Nation interests and concerns, verification and next steps.

Table B-6: Commitments in CNL responses to Anishnibek Nation comments[8]

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
AN-1	CNL has indicated that it is willing to involve all Indigenous communities in its monitoring programs and would be pleased to discuss the issue further.	Final EIS, Public and Indigenous Groups Table	6.2.4.4.3, ND41, ND475	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
AN-2	Input from the public and Indigenous peoples will be sought on the Environmental Assessment Follow Up Monitoring Program.	Final EIS, Public and Indigenous Groups Table	11.0, ND41, ND345	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific
AN-3	CNL will continue to provide Anishinabek FN with notifications of project activities	Final EIS	6.2.4.8.9.4	Multiple/Ongoing	Public Information Program	NSDF-specific

[8] Section 6.2.4.9 of the EIS describes engagement, feedback, and a summary discussion of Anishinabek Nation interests and concerns, verification and next steps.

Table B-7: Commitments in CNL responses to Algonquin Nation Secretariat comments[9]

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
ANS-1	CNL has indicated that it is willing to involve all Indigenous communities in its monitoring programs and would be pleased to discuss the issue further.	Final EIS, Public and Indigenous Groups Table	6.2.4.4.3, ND41, ND475	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
ANS-2	Input from the public and Indigenous peoples will be sought on the Environmental Assessment Follow Up Monitoring Program.	Final EIS, Public and Indigenous Groups Table	11.0, ND41, ND345	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific
ANS-3	CNL will continue to provide Algonquin Nation Secretariat with notifications of project activities	Final EIS	6.2.4.10.4	Multiple/Ongoing	Public Information Program	NSDF-specific

[9] Section 6.2.4.10 of the EIS describes engagement, feedback, and a summary discussion of Algonquin Nation Secretariat interests and concerns, verification and next steps.

Table B-8: Commitments in CNL responses to Mohawks of Bay of Quinte First Nation [10]

ID	Details of the commitment	Document	Section / Table	Project Phase	Commitment Tracking Method	Corporate/site or project-specific commitment
MBQ-1	CNL has indicated that it is willing to involve all Indigenous communities in its monitoring programs and would be pleased to discuss the issue further.	Final EIS, Public and Indigenous Groups Table	6.2.4.4.3, ND41, ND475	Multiple/Ongoing	Good Corporate Responsibility	Corporate/Site-wide
MBQ-2	Input from the public and Indigenous peoples will be sought on the Environmental Assessment Follow Up Monitoring Program.	Final EIS, Public and Indigenous Groups Table	11.0, ND41, ND345	Pre-construction	EA Follow-up Monitoring Program	NSDF-specific
MBQ-3	CNL will continue engagement with Mohawks of Bay of Quinte First Nation and provide notifications of project activities unless otherwise instructed.	Final EIS	6.2.4.11.4	Multiple/Ongoing	Public Information Program	NSDF-specific

[10] Section 6.2.4.11.4 of the EIS describes engagement, feedback, and a summary discussion of Mohawks of Bay of Quinte First Nation interests and concerns, verification and next steps.