Canadian Nuclear Safety Commission | Commission canadienne de sûreté nucléaire

CMD 25-H12.D

Date: 2026-02-03

Supplementary Information

Written Submission from CNSC Staff

Renseignements supplémentaires

Mémoire du personnel de la CCSN

In the matter of

NexGen Energy Ltd.

Licence application to prepare a site for and construct its Rook I uranium mine and mill project

Commission Public Hearing

February 2026

À l'égard de

NexGen Energy Ltd.

Demande de permis concernant la préparation de l'emplacement et la construction de son projet de mine et d'usine de concentration d'uranium Rook I

Audience publique de la Commission

Février 2026

Document ID: QQQVZZNDK725-166150894-10222

Canada

Canadian Nuclear Safety Commission | Commission canadienne de sûreté nucléaire

CMD 25-H12.D

Draft Licence

Document ID: QQQVZZNDK725-166150894-10222

Canada

URANIUM MINE AND MILL LICENCE
NEXGEN ENERGY LTD.
ROOK I PROJECT

I) LICENCE NUMBER: UML-MINEMILL-ROOK1-00/20##

II) LICENSEE: Pursuant to section 24 of the *Nuclear Safety and Control Act*, this licence is issued to:

NexGen Energy Ltd.
3150 -1021 West Hastings Street
Vancouver, BC
Canada, V6E 0C3

III) LICENCE PERIOD: This licence is valid from XXXX to XXXX, unless suspended, amended, revoked or replaced.

IV) LICENSED ACTIVITIES:

This licence authorizes the licensee to:

a) prepare site and construct a nuclear facility (hereinafter, "the facility") for the mining of uranium ore and the production of uranium concentrate at a site known as the Rook-I Project in the province of Saskatchewan, as shown on the drawing referenced in appendix A to this licence

b) possess, use and store nuclear substances and radiation devices that are required for or associated with laboratory studies, field studies, fixed gauge use and borehole logging devices necessary or incidental to the conduct of the activities in paragraph (a).

V) EXPLANATORY NOTES:

a) Unless otherwise provided for in this licence, words and expressions used in this licence have the same meaning as in the *Nuclear Safety and Control Act* and its associated Regulations.

b) The Rook I Project Mine and Mill Licence Conditions Handbook (LCH) identifies the criteria used to meet the conditions of this licence. The LCH also provides information regarding delegation of authority and document version control.

VI) CONDITIONS:

G. GENERAL

G.1 Licensing Basis for Licensed Activities

The licensee shall conduct the activities described in Part IV of this licence in accordance with the licensing basis, defined as:

(i) the regulatory requirements set out in the applicable laws and regulations

(ii) the conditions and safety and control measures described in the facility's or activity's licence and the documents directly referenced in that licence

(iii) the safety and control measures described in the licence application and the documents needed to support that licence application

unless otherwise approved in writing by the Canadian Nuclear Safety Commission (hereinafter "the Commission").

G.2 Notification of Changes

The licensee shall give written notification of changes to the facility or its operation, including deviation from design, operating conditions, policies, programs and methods, referred to in the licensing basis.

G.3 Financial Guarantee

The licensee shall maintain a financial guarantee for decommissioning that is acceptable to the Commission.

G.4 Public Information and Disclosure

The licensee shall implement and maintain a public information and disclosure program.

1. MANAGEMENT SYSTEM

1.1 Management System

The licensee shall implement and maintain a management system.

2. HUMAN PERFORMANCE MANAGEMENT

2.1 Training Program

The licensee shall implement and maintain a training program.

3. OPERATING PERFORMANCE

3.1 Operations Program

The licensee shall implement and maintain an operating program, which includes a set of operating limits.

3.2 Reporting Requirements

The licensee shall implement and maintain a program for reporting to the Commission or a person authorized by the Commission.

3.3 Nuclear Substances and Radiation Devices

The licensee shall implement and maintain a program for nuclear substances and radiation devices.

4. SAFETY ANALYSIS

4.1 Safety Analysis Program

The licensee shall implement and maintain a safety analysis program.

5. PHYSICAL DESIGN

5.1 Design Program

The licensee shall implement and maintain a design program.

6. FITNESS FOR SERVICE

6.1 Fitness for Service Program

The licensee shall implement and maintain a fitness for service program.

7. *RADIATION PROTECTION*

7.1 Radiation Protection Program

The licensee shall implement and maintain a radiation protection program, which includes a set of action levels. When the licensee becomes aware that an action level has been reached, the licensee shall notify the Commission within 24 hours.

8. *CONVENTIONAL HEALTH AND SAFETY*

8.1 Conventional Health and Safety Program

The licensee shall implement and maintain a conventional health and safety program.

9. *ENVIRONMENTAL PROTECTION*

9.1 Environmental Protection Program

The licensee shall implement and maintain an environmental protection program, which includes a set of action levels. When the licensee becomes aware that an action level has been reached, the licensee shall notify the Commission within 24 hours.

10. EMERGENCY MANAGEMENT AND FIRE PROTECTION

10.1 Emergency Preparedness Program

The licensee shall implement and maintain an emergency preparedness program.

10.2 Fire Protection Program

The licensee shall implement and maintain a fire protection program.

11. WASTE MANAGEMENT

11.1 Waste Management Program

The licensee shall implement and maintain a waste management program.

11.2 Decommissioning Plan

The Licensee shall maintain a decommissioning plan

12. SECURITY

12.1 Security Program

The licensee shall implement and maintain a security program.

13. SAFEGUARDS AND NON-PROLIFERATION

13.1 Safeguards Program

The licensee shall implement and maintain a safeguards program.

14. ENVIRONMENTAL ASSESSMENT CONDITIONS

14.1 Environmental Assessment Conditions and Commitments

The licensee shall implement the Rook I Project Environmental Assessment (EA) conditions and regulatory commitments.

15. INDIGENOUS ENGAGEMENT

15.1 Indigenous Engagement

The licensee shall implement and maintain an Indigenous engagement program.

16. SITE SPECIFIC FINANCIAL GUARANTEE

16.1 Submission of an Acceptable Financial Guarantee

The licensee shall submit an acceptable financial guarantee within 60 days of the issuance of this licence, and prior to the commencement of licensed construction activities.

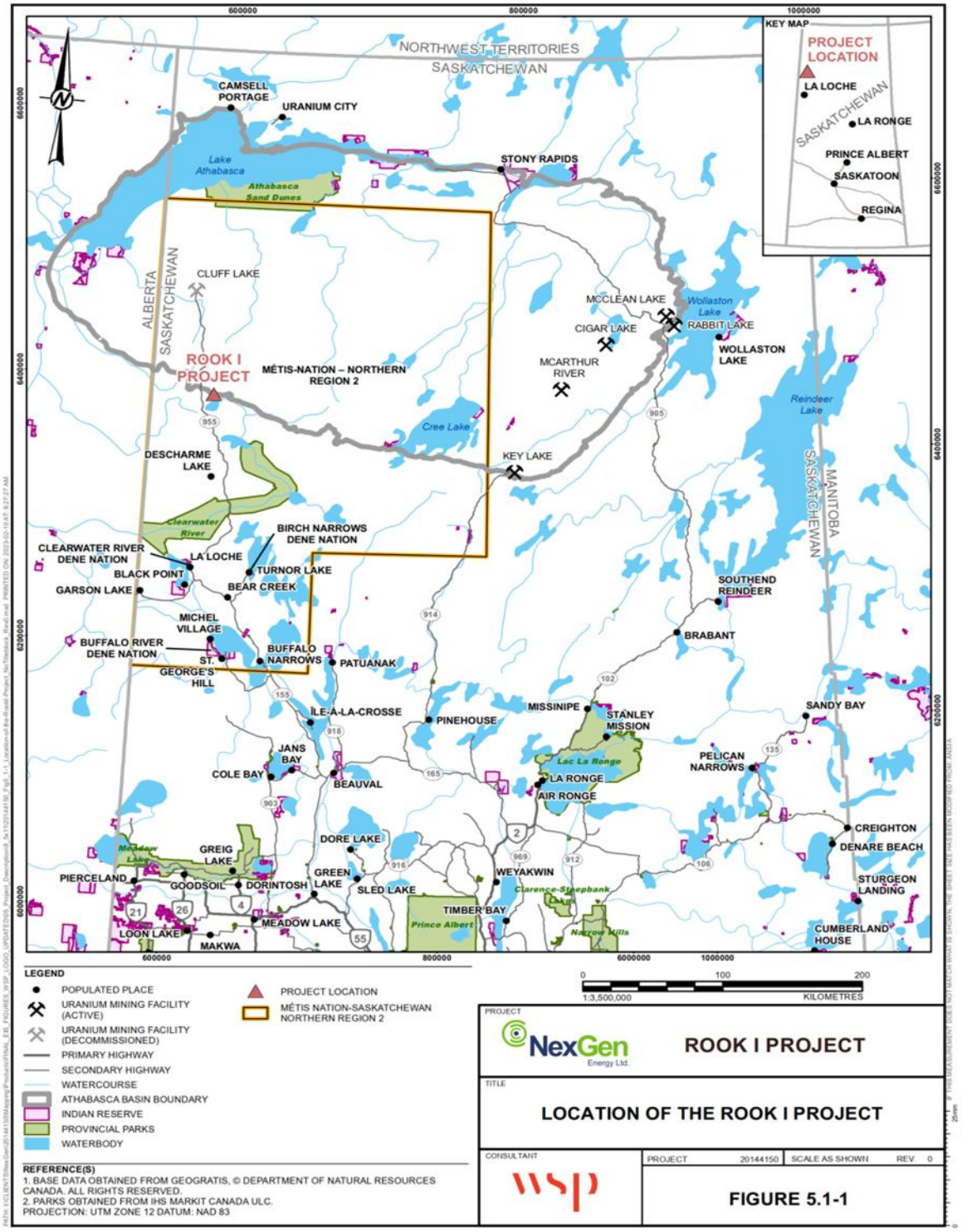
SIGNED at OTTAWA, this _____ day of _____, 2026.

_____
Pierre Tremblay, President
on behalf of the Canadian Nuclear Safety Commission

APPENDIX A

LOCATION OF THE ROOK-I OPERATION

The site of the Rook I Project includes the area shown on the map below, where applicable, the land on which the facility is located, a building that forms part of, or equipment used in conjunction with, the facility and any system for the management, storage or disposal of a nuclear substance, as is shown on the map below.


KEY MAP
PROJECT LOCATION
LA LOCHE
LA RONGE
PRINCE ALBERT
SASKATOON
REGINA
SASKATCHEWAN
NORTHWEST TERRITORIES
SASKATCHEWAN
ALBERTA
SASKATCHEWAN
MANITOBA
SASKATCHEWAN
CAMSELL PORTAGE
URANIUM CITY
STONY RAPIDS
Lake Athabasca
Athabasca Sand Dunes
CLUFF LAKE
ROOK I PROJECT
MÉTIS NATION – NORTHERN REGION 2
MCCLEAN LAKE
Wollaston Lake
CIGAR LAKE
RABBIT LAKE
WOLLASTON LAKE
MCARTHUR RIVER
Reindeer Lake
Cree Lake
KEY LAKE
DESCHARME LAKE
Clearwater River
CLEARWATER RIVER DENE NATION
BIRCH NARROWS DENE NATION
LA LOCHE
BLACK POINT
TURNOR LAKE
GARSON LAKE
BEAR CREEK
MICHEL VILLAGE
BUFFALO RIVER DENE NATION
ST. GEORGE'S HILL
BUFFALO NARROWS
PATUANAK
SOUTHEND REINDEER
BRABANT
ÎLE-À-LA-CROSSE
PINEHOUSE
MISSINIPE
STANLEY MISSION
SANDY BAY
JANS BAY
COLE BAY
BEAUVAL
Lac La Ronge
LA RONGE
AIR RONGE
PELICAN NARROWS
CREIGHTON
DENARE BEACH
DORE LAKE
GREIG LAKE
Meadow Lake
PIERCELAND
GOODSOIL
DORINTOSH
GREEN LAKE
SLED LAKE
WEYAKWIN
Clarence-Steepbank Lake
STURGEON LANDING
TIMBER BAY
Prince Albert
Narrow Hills
MEADOW LAKE
LOON LAKE
MAKWA
CUMBERLAND HOUSE
600000
800000
1000000
6600000
6400000
6200000
6000000
LEGEND
POPULATED PLACE
URANIUM MINING FACILITY (ACTIVE)
URANIUM MINING FACILITY (DECOMMISSIONED)
PRIMARY HIGHWAY
SECONDARY HIGHWAY
WATERCOURSE
ATHABASCA BASIN BOUNDARY
INDIAN RESERVE
PROVINCIAL PARKS
WATERBODY
PROJECT LOCATION
MÉTIS NATION-SASKATCHEWAN NORTHERN REGION 2
REFERENCE(S)
1. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
2. PARKS OBTAINED FROM IHS MARKIT CANADA ULC.
PROJECTION: UTM ZONE 12 DATUM: NAD 83
0 100 200
1:3,500,000
KILOMETRES
PROJECT
NexGen Energy Ltd.
ROOK I PROJECT
TITLE
LOCATION OF THE ROOK I PROJECT
CONSULTANT
wsp
PROJECT 20144150
SCALE AS SHOWN
REV 0
FIGURE 5.1-1

Canadian Nuclear Safety Commission
Commission canadienne de sûreté nucléaire

CMD 25-H12.D

Draft Licence Conditions Handbook

Document ID: QQQVZZNDK725-166150894-10222

Canada

Canada's Nuclear Regulator

e-Doc 7551646 (Word)
e-Doc XXXXX (PDF)

LICENCE CONDITIONS HANDBOOK

LCH-MINE-ROOK.00/20XX

ROOK I Project
Uranium Mine and Mill Licence

UML-MINEMILL-ROOK1.00/20XX

Revision 0

Canadian Nuclear Safety Commission
Commission canadienne de sûreté nucléaire

Canada

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Licence Conditions Handbook **Effective: Month X, 20XX**

LCH-MILLMILL-ROOK1.00/20XX, Rev 0

Rook I Mine and Mill Project

Uranium Mine Licence

UML-MINEMILL-ROOK1.00/20XX
(Month XX, 2026)

SIGNED at OTTAWA this X day of Month 202X

Patrick Burton, Director
Uranium Mines and Mills Division
Directorate of Nuclear Cycle and Facilities Regulation
CANADIAN NUCLEAR SAFETY COMMISSION

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Revision History:

Effective Date	Revision	Section(s) Changed	Description of the Changes	DCR e-Doc
Month X, 20XX	0	N/A	Original Document.	xxxxx (Word) xxxxx (PDF)

TABLE OF CONTENTS

PART I - INTRODUCTION

The purpose of the licence conditions handbook (LCH) is to identify and clarify the relevant parts of the licensing basis for each licence condition (LC). This will help ensure that the licensee will maintain facility operations in accordance with the licence and the intent of the licensing basis. The LCH also provides information regarding delegation of authority, document version control and conflict resolution. The LCH should be read in conjunction with the licence.

The LCH has three parts under each LC: the Preamble, Compliance Verification Criteria (CVC), and Guidance. The Preamble explains the regulatory context, background, and/or history related to the LC. CVC are used by Canadian Nuclear Safety Commission (CNSC) staff to oversee compliance with the LC. Guidance is non-mandatory information, including direction, on how to comply with the LC.

The statement “a person authorized by the Commission” in the LCs or the LCH indicates that the Commission may delegate certain authority to CNSC staff. Unless otherwise specified, the delegation of authority by the Commission to act as a person authorized by the Commission (Delegated Officer) is only applied to incumbents in the following positions:

- Director, Uranium Mines and Mills Division
- Director General, Directorate of Nuclear Cycle and Facilities Regulation
- Executive Vice-President and Chief Regulatory Operations Officer, Regulatory Operations Branch.

PART II – FRAMEWORK FOR EACH LICENCE CONDITION

G. GENERAL

G.1 Licensing Basis for Licensed Activities

The licensee shall conduct the activities described in Part IV of this licence in accordance with the licensing basis, defined as:

(i) the regulatory requirements set out in the applicable laws and regulations;
(ii) the conditions and safety and control measures described in the licence and the documents directly referenced in that licence;
(iii) the safety and control measures described in the licence application and the documents needed to support that licence application;

unless otherwise approved in writing by the Canadian Nuclear Safety Commission (hereinafter "the Commission").

Preamble

Licence condition G.1 requires activities (defined in Part IV of the licence) be conducted in accordance with the licensing basis. Further information on the licensing basis is available in CNSC regulatory document, REGDOC-3.5.3 *Regulatory Fundamentals*.

The licensing basis, established by the Commission at the time the licence is issued, sets the boundary conditions for a regulated activity, and establishes the basis for the CNSC's compliance program for that regulated activity.

Part (i) of licence condition G.1 includes, but is not limited to, the following:

- *Nuclear Safety and Control Act* (NSCA)
- *Uranium Mines and Mills Regulations*
- *Radiation Protection Regulations*
- *Nuclear Substances and Radiation Devices Regulations*
- *General Nuclear Safety and Control Regulations*
- *Metal and Diamond Mining Effluent Regulations*
- Canada/International Atomic Energy Agency (IAEA) Safeguards Agreements

The safety and control measures mentioned under Parts (ii) and (iii) of licence condition G.1 have the potential to affect the health and safety of people, the environment, security or international obligations to which Canada agrees. These measures may be found in high-level programmatic documents but might also be found in lower-level supporting documentation. Safety and control measures can also be found in licensing basis publications such as CNSC regulatory documents, CSA Group standards or licensee documentation submitted in support of a licence.

The CNSC licence authorizes NexGen Energy Ltd (NexGen) to conduct the following activities at the Rook I Project, for which the CNSC provides regulatory oversight:

- prepare site and construct
- storage of clean waste rock, potentially acid generating waste rock and low-grade mineralized material generated during site preparation and construction of Rook I
- authorized decommissioning and reclamation
- possession, storage, and use of nuclear substances and radiation devices necessary for the site preparation, construction and commissioning of the Rook I project.

An environmental assessment carried out in 20XX (e-Doc 7563537) evaluated the environmental effects from the operation of the mine at an annual production rate up to XX million kilograms of uranium per year. Note that the licence associated with this version of the LCH does not authorize the operation of the Rook I Project and therefore does not authorize production.

Compliance Verification Criteria

Licensing Basis Documents

Key licensing basis documents are listed in Appendix B and C in addition to tables under the most relevant LC. All "shall" or normative statements in licensing basis publications are considered CVC unless stated otherwise. If any "should" or informative statements in licensing basis publications are also considered CVC, this is provided under the most relevant LC.

In the event of any inconsistency between two elements of the licensing basis, the licensee shall consult CNSC staff to determine the approach to resolve the issue.

Regulatory commitments listed in Appendix D are part of the licensing basis and considered CVC. Each of the commitments require CNSC staff approval before activities listed under the commitment can be started.

For operational activities that are not in accordance with the licensing basis, the licensee shall take action as soon as practicable to return to a state that is compliant with the licensing basis, taking into account the risk significance of the situation. Reporting requirements are outlined in REGDOC-3.1.2, *Reporting Requirements, Volume I: Non-Power Reactor Class I Nuclear Facilities and Uranium Mines and Mills* and discussed under LC 3.2 of this LCH.

Changes to documentation or activities that result in operational activities not being in accordance with the licensing basis must be approved by the Commission prior to implementation.

Guidance

When the licensee becomes aware that a proposed change or activity might not be in accordance with the licensing basis, it should first seek direction from CNSC staff regarding the potential acceptability of this change or activity. The licensee should take into account that certain types of proposed changes might require significant lead times before CNSC staff can make recommendations and/or the Commission can properly consider them. Guidance for notifications to the CNSC related to licensee changes are discussed under LC G.2.

G.2 Notification of Changes

The licensee shall give written notification of changes to the facility or its operation, including deviation from design, operating conditions, policies, programs and methods referred to in the licensing basis.

Preamble

During the course of licensed activities, it is expected that the licensee may make changes to implement improvements or to address changes in operational needs. While making these changes, it is imperative the licensee remains within the bounds of the licensing basis.

Appendix B provides a list of licensee documents that require notification of change. CNSC staff track the current version of these licensee documents separate from the LCH (e Doc 7551646).

Compliance Verification Criteria

Licensee Documents that Require Notification of Change

Changes to the design, operating conditions, policies, programs and methods that have the potential to be outside of the licensing basis require prior written notification to the CNSC. CNSC staff will confirm if the change remains within the licensing basis and notify the licensee prior to implementation of the change by the licensee. The licensee shall allow sufficient time for the CNSC to review the change proportionate to its complexity and the importance of the safety and control measures being affected. Regular communication between the CNSC and the licensee should ensure that there is adequate time for CNSC staff to review and evaluate information provided in prior written notifications in advance of any of these proposed changes being implemented. It remains the responsibility of the licensee to ensure that the Rook I Project continues to operate within the bounds of the licencing basis.

Prior written notification shall include:

- a description of the change
- the rationale for the change
- expected duration (if not a permanent change)
- an explanation from the licensee supporting the conclusion that the change remains in accordance with the licensing basis.

Ongoing regular communication shall be maintained between the CNSC and licensee.

Guidance

A list of criteria to determine if a change would be in accordance with the licensing basis is provided in Appendix A of CNSC process document *Overview of: Assessing licensee changes to documents or operations* (e-Doc 4055483).

GENERAL

G.3 Financial Guarantee

The licensee shall maintain a financial guarantee for decommissioning that is acceptable to the Commission.

Preamble

The licensee is responsible for all costs of decommissioning at the facility. All such costs are included in the licensee's decommissioning cost estimates and are covered by the licensee's financial guarantee for decommissioning. The licensee's decommissioning cost estimate is provided in the facility's preliminary decommissioning plan. The facility's current financial guarantee is covered by specific financial instruments as listed below.

The latest revision of the preliminary decommissioning plan (PDP) and estimation of the cost of decommissioning were finalized in 20XX.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Decommissioning of Facilities Containing Nuclear Substances	N294:19
CNSC	Decommissioning	REDOC-2.11.2
CNSC	Financial Guarantees for Decommissioning of Nuclear Facilities and Termination of Licensed Activities	REGDOC-3.3.1

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual -ROOK-ENG-MAN-00001	Yes
NexGen	Preliminary Decommissioning Reclamation Plan -ROOK-DEC-PLN-00001	Yes
NexGen	Preliminary Decommissioning and Reclamation Cost Estimate -ROOK-DEC-PLN-00002	Yes

The financial guarantee for decommissioning the Rook I Project shall be reviewed and revised by the licensee every five years or when requested by the Commission; or following a revision of the Preliminary Decommissioning Plan or Preliminary Decommissioning Cost Estimate that impacts the financial guarantee. The current preliminary decommissioning plan and preliminary decommissioning cost estimate are dated Month 2025.

The licensee shall submit a written report to the Commission confirming that the financial instruments continue to meet the acceptance criteria of section 3 of REGDOC 3.3.1. Any change to the type of financial instrument requires prior notification to the CNSC. The licensee shall submit this report by the end of March of each year, or at any time as the Commission may request.

The financial guarantee for decommissioning the Rook I Project shall be resubmitted within 1 year of the issuance of the licence.

Guidance

There is no guidance provided for this licence condition.

G.4 Public Information and Disclosure

The licensee shall implement and maintain a public information and disclosure program.

Preamble

The public information and disclosure program ensures that information related to the health and safety of persons and the environment and other issues associated with the lifecycle of the nuclear facility is effectively communicated to the public. In addition, the program shall include a commitment to and protocol for ongoing, timely communications regarding emissions, effluent releases, unplanned events and other incidents and activities related to the licensed facility that may be of interest to the public.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Public Information and Disclosure*	REGDOC-3.2.1
CNSC	Indigenous Engagement, Version 1.2	REGDOC-3.2.2

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Indigenous and Public Engagement Program	Yes

1. MANAGEMENT SYSTEM

Licence Condition 1.1

The licensee shall implement and maintain a management system.

Preamble

The "management system" safety and control area covers the framework which establishes the processes and programs required to ensure an organization achieves its safety objectives, continuously monitors its performance against these objectives and fosters a healthy safety culture.

The management system must satisfy the requirements set out in the NSCA, regulations made pursuant to the NSCA, the licence and the measures necessary to ensure that safety is of paramount consideration in implementation of the management system. An adequately established and implemented management system provides the evidence that the licensing basis remains valid.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Management System Requirements for Nuclear Facilities	N286-12
CNSC	Safety Culture	REGDOC-2.1.2

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Integrated Management System Manual	Yes

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Management System	REGDOC-2.1.1

2. HUMAN PERFORMANCE MANAGEMENT

Licence Condition 2.1

The licensee shall implement and maintain a training program.

Preamble

The "human performance management" safety and control area covers activities that enable effective human performance through the development and implementation of processes that ensure a sufficient number of licensee workers are in all relevant job areas and have the necessary knowledge, skills, procedures and tools in place to safely perform their duties.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Personnel Training, Version 2	REGDOC-2.2.2

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Human Factor Engineering Program Plan	Yes
NexGen	Training Management Program	Yes

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Human Factors	REGDOC-2.2.1

3. OPERATING PERFORMANCE

Licence Condition 3.1

The licensee shall implement and maintain an operating program, which includes a set of operating limits.

Preamble

The "operating performance" safety and control area includes an overall review of the conduct of the licensed activities and the activities that enable effective performance.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Management System Requirements for Nuclear Facilities	N286-12

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Environmental Code of Practice	Yes
NexGen	Radiation Code of Practice	Yes
NexGen	Integrated Management System Manual	Yes
NexGen	Waste Management Program	Yes

Guidance

There is no guidance provided for this licence condition.

Licence Condition 3.2

The licensee shall implement and maintain a program for reporting to the Commission or a person authorized by the Commission.

Preamble

This LC requires the licensee to implement and maintain a process for reporting information to the CNSC. This includes monitoring results, changes to facilities or approved activities, performance assessments and the occurrence of unusual events.

Sections 29 and 30 of the *General Nuclear Safety and Control Regulations,* section 38 of the *Nuclear Substance Radiation Devices Regulations* and section 16 of the *Radiation Protection Regulations* set out requirements for notifications and reporting to the Commission following certain events.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Reporting Requirements, Volume I: Non-Power Reactor Class I Nuclear Facilities and Uranium Mines and Mills	REGDOC-3.1.2

The licensee must report effluent concentrations that reach or exceed the discharge limits in the *Metal and Diamond Mining Effluent Regulations* in addition to requirements outlined in CNSC's REGDOC-3.1.2.

The licensee shall submit to the CNSC within 90 days after the end of each quarter of a calendar year, the results of the:

- Monitoring of worker exposure in the radiation protection program
- radiation monitoring program
- environmental monitoring program

Results from the above monitoring programs are also to include quality assurance and quality control information. More frequent reporting may be requested on a case-by-case basis.

The licensee must submit to the CNSC an annual compliance report by March 31 of each year, covering the operation for the 12-month period from January 1 to December 31 of the previous year.

Guidance

Guidance Publications

Source	Document Title
CNSC/SK	CNSC – Saskatchewan Harmonized Annual Reporting Requirements, August 2010

Licence Condition 3.3

The licensee shall implement and maintain a program for nuclear substances and radiation devices.

Preamble

Licensees must ensure they receive CNSC authorization before the possession, use and storage, of nuclear substances and radiation devices, except as specified in the tables for this section. It is the responsibility of the licensee to ensure that they have CNSC authorization for the import or export of any nuclear substances and radiation devices.

The possession limits for unsealed nuclear substances does not apply to natural uranium and its decay products which originate in the mining or ore-processing streams.

It is also important to note that there is no possession limit on the number of sealed nuclear sources or radiation devices.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Licence Application Guide: Nuclear Substances and Radiation Devices, version 2 (excluding section 2)	REGDOC-1.6.1

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Radiation Protection Program Appendix A: Nuclear Substance and Radiation Device Listing	Yes

The authorized possession limits for unsealed nuclear substances are:

Nuclear Substance	Maximum Total Quantity in Possession

OPERATING PERFORMANCE

The maximum authorized quantity of nuclear substances per sealed source is:

Nuclear Substance	Maximum Quantity per Sealed Source

The authorized make and model of radiation devices and the maximum quantity of nuclear substance per each device are:

Radiation Device Make and Model	Nuclear Substance	Maximum Quantity per Radiation Device

Note: Includes provision for replacement sources for these radiation devices.

The management of nuclear substances and radiation devices will be evaluated against:

3.3.1 A radioisotope safety poster approved by the Commission or a person authorized by the Commission, which corresponds to the classification of the area, room or enclosure, is posted in a readily visible location in areas, rooms or enclosures where these listed nuclear substances are handled.

3.3.2 When in storage, radioactive nuclear substances or radiation devices are accessible only to persons authorized by the licensee; the dose rate at any occupied location outside the storage area, room or enclosure resulting from the substances or devices in storage does not exceed 2.5 µSv/h and measures are in place to ensure that the dose limits in the *Radiation Protection Regulations* are not exceeded as a result of the substances or devices in storage.

Guidance

There is no guidance provided for this licence condition.

4. SAFETY ANALYSIS

Licence Condition 4.1

The licensee shall implement and maintain a safety analysis program.

Preamble

The "safety analysis" safety and control area includes the systematic evaluation of the potential hazards associated with the proposed activity or facility and considers the effectiveness of preventative measures and strategies in reducing the effects of such hazards.

Compliance Verification Criteria

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Mine Waste Safety Case	Yes
NexGen	Waste Management Program	Yes
NexGen	Radiation Protection Program	Yes
NexGen	Health and Safety Program	Yes

The safety analysis program will be evaluated against the following principles:

4.1.1 A process has been implemented and maintained to identify, assess, and eliminate or control health and safety and environmental risks associated with existing and new processes or changes to work procedures, equipment, organizational structure, staffing, products, services and suppliers.

4.1.2 Risks to health, safety and the environment have been identified, assessed, eliminated or controlled for existing and new processes or for changes to work procedures, equipment, organizational structure, staffing, products, services and suppliers.

4.1.3 Appropriate methodologies are used to identify and assess potential hazards and consider the effectiveness of preventative measures and strategies in reducing the effects of such hazards.

4.1.4 Modeling is regularly updated using updated site model and measured values to replace important assumptions for safety analyses and to increase the certainty of predicted long-term behaviour of contaminants.

~~Job hazard assessments are conducted when planning non-routine and complex work activities.~~

Guidance

Guidance Publications

Source	Document Title	CNSC e-Access Document Number
CNSC	Safety Analysis for Class 1B Nuclear Facilities*	REGDOC-2.4.4
CNSC	Waste Management, Volume III: Safety Case for the Disposal of Radioactive Waste, Version 2	REGDOC-2.11.1

* REGDOC not applicable to uranium mines and mills but added as guidance as there is information, such as appendix C, which provides information on events that can be considered within a safety analysis program.

5. PHYSICAL DESIGN

Licence Condition 5.1

The licensee shall implement and maintain a design program.

Preamble

The "physical design" safety and control area relates to activities that impact the ability of structures, systems and components to meet and maintain their design basis given new information arising over time and taking changes in the external environment into account.

The design basis is the range of conditions and events taken into account in the design of structures, systems and components of a facility according to established criteria, such that the facility can withstand them without exceeding authorized limits for the planned operation of safety systems.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Design of Uranium Mines and Mills: Ventilation Systems	REGDOC-2.5.4
CSA Group	Management System Requirements for Nuclear Facilities	N286-12
NRC	National Building Code of Canada 2020	N/A

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Construction Management Program	Yes

The physical design program will be assessed against:

5.1.1 Structures, systems, and components of the facility are constructed as designed to perform their intended functions.

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	General Design Considerations: Human Factors	REGDOC-2.5.1

6. FITNESS FOR SERVICE

Licence Condition 6.1

The licensee shall implement and maintain a fitness for service program.

Preamble

The "fitness for service" safety and control area covers activities that impact the physical condition of structures, systems and components to ensure that they remain effective over time. This area includes programs that ensure equipment is available to perform its intended design function when called upon to do so.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Management System Requirements for Nuclear Facilities	N286-12

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Asset Management Program	Yes

The fitness for service program will also be assessed against:

6.1.1 Systems, structures, components, equipment, and devices are maintained in good working order or conditions such that they can perform their design function.

6.1.2 Instruments, controls and associated indicators are maintained operational and in calibration. Method and interval of calibrations are defined, and records of calibrations are kept.

6.1.3 Preventative and corrective maintenance processes and systems have been implemented and are maintained.

6.1.4 Regular inspection and testing of critical infrastructure and equipment are carried out.

6.1.5 A process has been implemented to identify, plan and schedule maintenance activities.

6.1.6 Maintenance, testing, surveillance and inspection backlogs are monitored and minimized.

FITNESS FOR SERVICE

6.1.7 Methods are used to show the current acceptance and operating status, and to prevent the use of systems, equipment or devices that are inaccurate, uncalibrated or not in working order.

6.1.8 When deviations beyond accuracy limits are found or suspected, their consequence on past results, and on present performance is evaluated.

6.1.9 A process exists to verify that changes to calibration, testing and maintenance requirements due to system and equipment modifications and replacements are implemented.

Guidance

There is no guidance provided for this licence condition.

7. RADIATION PROTECTION

Licence Condition 7.1

The licensee shall implement and maintain a radiation protection program, which includes a set of action levels. When the licensee becomes aware that an action level has been reached, the licensee shall notify the Commission within 24 hours.

Preamble

The "radiation protection" safety and control area covers the implementation of a radiation protection program in accordance with the *Radiation Protection Regulations*. This program must ensure that contamination and radiation doses received are monitored, controlled, kept as low as reasonably achievable (ALARA), with social and economic factors being taken into account.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Selection, use and care of respirators	Z94.4-18

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Radiation Protection Program	Yes
NexGen	Radiation Code of Practice	Yes
NexGen	ALARA	Yes
NexGen	Mining and Milling Facility Description Manual	Yes

The radiation protection (RP) program will be assessed against the following principles:

7.1.1 Radiological conditions are monitored, and sources of internal and external radiation exposures are controlled. Access and work in radiological areas are controlled so that collective and individual radiation exposures are kept in accordance with the ALARA principle.

7.1.2 RP instrumentation and equipment are calibrated, maintained and used so that radiation levels are accurately determined. Uncalibrated equipment is removed from use.

7.1.3 The personal dosimetry program ensures that external and internal radiation doses to individuals are accurately determined and recorded.

7.1.4 Appropriate contamination control measures are implemented to control and minimize the contamination of areas, equipment and personnel.

7.1.5 Effective decontamination control measures are implemented to control and prevent the contamination of areas, equipment and personnel.

Action levels (AL) are designed to alert licensees before regulatory dose limits are reached. By definition, if an AL referred to in a licence is reached, a loss of control of some part of the associated RP program may have occurred and specific action is required, as defined in the *Radiation Protection Regulations*, the licence and the applicable code of practice.

Action Level	Dose (mSv)
Weekly Action Level	1
Quarterly Action Level	5

The weekly AL is assessed against official dosimetry results or engineering monitoring data. The quarterly AL is assessed against official dosimetry results. The licensee is expected to review and, if necessary, revise the ALs specified above at least once every five years in order to validate their effectiveness. The results of such reviews should be provided to the CNSC.

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Radiation Protection	REGDOC-2.7.1
CNSC	Dosimetry, Volume I: Ascertaining Occupational Dose	REGDOC-2.7.2
CNSC	Preparing Codes of Practice to Control Radiation Doses at Uranium Mines and Mills	G-218

8. CONVENTIONAL HEALTH AND SAFETY

Licence Condition 8.1

The licensee shall implement and maintain a conventional health and safety program.

Preamble

The "conventional health and safety" safety and control area covers the implementation of a program to manage workplace safety hazards and to protect personnel and equipment.

While the regulation of non-radiological health and safety at uranium mines and mills is typically governed by the *Canada Labour Code Part II*, which is administered by Employment and Social Development Canada (ESDC); the *Saskatchewan Uranium Mines and Mills Exclusion Regulations* (SOR/2001-115) defer the regulation of occupational health and safety in Saskatchewan uranium mines and mills to the province of Saskatchewan in accordance with the requirements of *The Mines Regulations, 2018* Part II *Revised Regulations of Saskatchewan*.

The CNSC also has regulatory responsibilities for the oversight of the protection of the health and safety of workers. The CNSC harmonizes its oversight of conventional health and safety with the Saskatchewan Ministry of Labour Relations and Workplace Safety.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Selection, use and care of respirators	Z94.4-18

Licensee Documents that Require Notification of Change

Source	Document Title	Notification Requirements
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Health and Safety Program	Yes

The conventional health and safety program will be assessed against the following principles:

8.1.1 Housekeeping standards have been identified and are enforced to ensure that work areas are kept clean and organized.

8.1.2 Facilities, processes and procedures have been implemented to ensure the safe management of hazardous materials.

8.1.3 Employees and contractors actively participate in the management of conventional health and safety.

8.1.4 Management verifies that employees and contractors actively participate in the management of health and safety in their workplace.

8.1.5 A process has been established and maintained to monitor, measure and record conventional health and safety performance and the effectiveness of the occupational health and safety program on a regular basis.

8.1.6 Routine inspections are performed by workers, supervisors, senior staff and/or safety professionals to identify any potential safety issues.

8.1.7 Processes and procedures are established and maintained to investigate accidents and incidents, to identify root causes, to implement corrective actions and to verify that corrective actions have been completed and will effectively prevent recurrence.

8.1.8 Procedures have been implemented and maintained for reporting work-related injuries, illnesses, fatalities and conventional health and safety incidents including near misses.

8.1.9 The causes of injuries are investigated, corrective actions implemented, and the effectiveness of corrective actions verified.

8.1.10 A preventative and corrective action procedure has been established and maintained to address non-conformances and inadequately controlled risks.

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Conventional Health and Safety	REGDOC-2.8.1

9. ENVIRONMENTAL PROTECTION

Licence Condition 9.1

The licensee shall implement and maintain an environmental protection program, which includes a set of action levels. When the licensee becomes aware that an action level has been reached, the licensee shall notify the Commission within 24 hours.

Preamble

The "environmental protection" safety and control area covers programs that identify, control and monitor all releases of radioactive and hazardous substances and effects on the environment from facilities or as the result of licensed activities.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Environmental Protection: Environmental Principles, Assessments and Protection Measures, version 1.2	REGDOC-2.9.1
CNSC	Controlling Releases to the Environment	REGDOC-2.9.2
CSA Group	Environmental Management of Nuclear Facilities: Common requirements of the CSA N288 series of Standards, 2022	N288.0:22
CSA Group	Environmental Monitoring Programs at Nuclear Facilities and Uranium Mines and Mills	N288.4:19
CSA Group	Effluent and Emissions Monitoring Programs at Nuclear Facilities	N288.5:22
CSA Group	Environmental Risk Assessments at Nuclear Facilities and Uranium Mines and Mills	N288.6:22
CSA Group	Groundwater Protection and Monitoring Programs at Class I Nuclear Facilities and Uranium Mines and Mills	N288.7:23
CSA Group	Establishing and Implementing Action Levels for Releases to the Environment from Nuclear Facilities	N288.8:17

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Environmental Protection Program	Yes
NexGen	Environmental Monitoring Plan	Yes
NexGen	Effluent and Emissions Plan	Yes
NexGen	Environmental Code of Practice	Yes
NexGen	Waste Management Program	Yes
NexGen	Environmental Risk Assessment for the Rook I Project, November 2024	Yes

To ensure the applicable environmental protection measures have been established, implemented and maintained, the environmental protection program will also be assessed against:

9.1.1 Action levels specified in the environmental code of practice. When the licensee becomes aware that an action level has been triggered, the licensee shall notify the Commission within 24 hours and take specific action as defined in the *Uranium Mines and Mills Regulations* and the environmental code of practice.

9.1.2 The authorized release limits as specified below. When the licensee becomes aware that an authorized release limit has been reached or exceeded, the licensee shall immediately notify the Commission, investigate and take corrective action to ensure that the releases are maintained below the authorized release limits.

The authorized liquid effluent release limits are shown in the table below. These are either sourced from the Metal and Diamond Mining Effluent Regulations (MDMER), or from NexGen Environmental Code of Practice (ECOP), whichever is lowest.

Deleterious Substance	Maximum Authorized Monthly Mean Concentration *(Source: NexGen ECOP)*	Maximum Authorized Concentration in a Composite Sample *(Source: MDMER)*	Maximum Authorized Concentration in a Grab Sample *(Source: MDMER)*
Arsenic (mg/L)	0.057	0.15	0.20
Copper (mg/L)	0.018	0.15	0.20
Lead (mg/L)	0.058	0.12	0.16
Nickel (mg/L)	0.25	0.38	0.50
Zinc (mg/L)	0.022	0.60	0.80
Un-ionized ammonia (mg/L)	0.18	N/A	1.00
Total Suspended Solids (mg/L)	15.00	22.50	30.00
Radium-226 (Bq/L)	0.37	0.74	1.11
Lead-210 (Bq/L)	0.92	N/A	N/A
Thorium-230 (Bq/L)	1.85	N/A	N/A
Total Ammonia (mg/L)	29.0	N/A	N/A
Nitrate (mg/L)	33.0	N/A	N/A
Chloride (mg/L)	640	N/A	N/A
Phosphorus (mg/L)	0.045	N/A	N/A
Aluminum (mg/L)	1.1	N/A	N/A
Cadmium (mg/L)	0.00031	N/A	N/A
Cobalt (mg/L)	0.0079	N/A	N/A
Iron (mg/L)	1.0	N/A	N/A
Manganese (mg/L)	1.0	N/A	N/A
Molybdenum (mg/L)	46.0	N/A	N/A
Selenium (mg/L)	0.011	N/A	N/A
Strontium (mg/L)	29.0	N/A	N/A
Uranium (mg/L)	2.5	N/A	N/A
Flow Rate at MPOutlet (m3/h)	977.5	N/A	N/A

Acid balance (as H_3O^+) reported as pH	In a range of 6.0 to 9.5

Acutely Lethal Effluent	0%

ENVIRONMENTAL PROTECTION

Notes:

1) Authorized release limits have been harmonized, where available, with those required under the *Metal and Diamond Mining Effluent Regulations* (MDMER).
2) Definition of Units: mg/L = milligrams per litre
   Bq/L = becquerels per litre
3) All concentrations and activities are total values.
4) "Monthly mean concentration" means the average value of the concentrations measured in all composite or grab samples collected from the final discharge point during each month when liquid effluent is released.
5) "Composite sample" means:
   a) a quantity of effluent consisting of not less than three equal volumes or three volumes proportionate to flow that have been collected at approximately equal time intervals over a period of not less than seven hours and not more than 24 hours; or
   b) a quantity of effluent collected continuously at a constant rate or at a rate proportionate to the rate of flow of the effluent over a sampling period of not less than seven hours and not more than 24 hours.
6) "Grab sample" means a quantity of undiluted effluent collected at any given time.
7) ***"Acutely lethal"*** (Source MDMER), in respect of an effluent, means that the effluent at 100 percent concentration kills
   a) more than 50 percent of the rainbow trout subjected to it for a period of 96 hours, when tested in accordance with the acute lethality test set out in section 14.1;
   b) more than 50 percent of the Daphnia magna subjected to it for a period of 48 hours, when tested in accordance with the acute lethality test set out in section 14.3.

Guidance

Guidance Publications

Source	Document Title	Document Number
CSA Group	Environmental Management Systems – Requirements with Guidance for Use	ISO 14001:2015

10. EMERGENCY MANAGEMENT AND FIRE PROTECTION

Licence Condition 10.1

The licensee shall implement and maintain an emergency preparedness program.

Preamble

The "emergency management and fire protection" safety and control area covers emergency plans and emergency preparedness programs which exist for emergencies and for non-routine conditions. It also includes any results of exercise participation.

Licensees are required to continually maintain and enhance their emergency management programs.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Nuclear Emergency Preparedness and Response, Version 2	REGDOC-2.10.1

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Emergency Preparedness and Response Program	Yes

Guidance

There is no guidance provided for this licence condition.

Licence Condition 10.2

The licensee shall implement and maintain a fire protection program.

Preamble

Licensees are required to implement and maintain a fire protection program (a set of planned, coordinated, controlled and documented activities) to ensure that the licensed activities do not result in an unreasonable risk to the health and safety of persons and to the environment due to fire and to ensure that the licensee is able to efficiently and effectively respond to emergency fire situations.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
NRC	National Building Code of Canada	N/A
NRC	National Fire Code of Canada	N/A
CSA Group	Fire Protection for Facilities that Process, Handle, or Store Nuclear Substances	N393:22

*

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Fire Protection Program	Yes
NexGen	Emergency Preparedness and Response Program	Yes

Guidance

Guidance Publications

There is no guidance provided for this licence condition.

11. WASTE MANAGEMENT

Licence Condition 11.1

The licensee shall implement and maintain a waste management program.

Preamble

The "waste management" safety and control area covers internal waste-related programs that form part of the facility's operations up to the point where the waste is removed from the facility to a separate waste management facility.

Waste management facilities at the Rook I Project include:

- storage areas for low-grade mineralized material and potentially acid-generating waste rock
- clean waste rock and overburden piles
- water treatment plant – mine water collection, contaminated surface drainage,
- hazardous substance or waste dangerous goods storage facilities
- site run-off containment systems and ponds
- contaminated industrial waste storage
- storage and recycling facilities for hazardous wastes

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CNSC	Waste Management, Volume I: Management of Radioactive Waste	REGDOC-2.11.1
CNSC	Waste Management, Volume II: Management of Uranium Mine Waste Rock and Mill Tailings*	REGDOC-2.11.1
CNSC	Waste Management, Volume III: Safety Case for the Disposal of Radioactive Waste, Version 2	REGDOC-2.11.1

* Applicable to new uranium mine or mill projects and/or to new waste management facilities at existing uranium mines and mills.

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Waste Management Program	Yes

The waste management program will be assessed against the following principles:

11.1.1 A radioactive waste management program is implemented to control and minimize the volume of radioactive waste.

11.1.2 The volume of waste is minimized by applying the "reduce, reuse, recycle and recover" principle.

11.1.3 Work is carried out in a manner that minimizes waste and prevents pollution.

11.1.4 Waste is stored or disposed of in the appropriate manner.

11.1.5 Wastes are managed in a manner that does not compromise reclamation or decommissioning plans.

11.1.6 The effectiveness of waste management practices is monitored, measured and recorded on a regular basis.

11.1.7 Routine inspections are performed to identify any potential waste management issues and to verify the condition of containment structures and waste management facilities.

11.1.8 The safety of embankments/berms is inspected and evaluated.

11.1.9 Records are kept of the quantities and types of waste generated and the method of disposal or management.

11.1.10 Wastes are managed to control the present and future releases of contaminants to the environment.

11.1.11 Surface water is managed to prevent or minimize the volume that is contaminated.

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Waste Management, Volume III: Safety Case for the Disposal of Radioactive Waste, Version 2	REGDOC-2.11.1
Canadian Dam Association	Dam Safety Guidelines (2007, revised 2013)	N/A

WASTE MANAGEMENT

Licence Condition 11.2

The licensee shall maintain a decommissioning plan.

Preamble

This LC requires that the licensee maintain a preliminary decommissioning plan (PDP).

A PDP provides an overview of the proposed decommissioning approach that is sufficiently detailed to assure that the proposed approach is, in the light of existing knowledge, technically and financially feasible, and appropriate in the interests of health, safety, security and the protection of the environment. The PDP defines areas to be decommissioned and the general structure and sequence of the principal work packages. The PDP forms the basis for establishing and maintaining a financial arrangement (financial guarantee) that will assure adequate funding of the decommissioning plan.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Decommissioning of Facilities Containing Nuclear Substances	N294:19
CNSC	Decommissioning	REGDOC-2.11.2
CNSC	Financial Guarantees for Decommissioning of Nuclear Facilities and Termination of Licensed Activities	REGDOC-3.3.1

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Preliminary Decommissioning and Reclamation Cost Estimate	Yes
NexGen	Preliminary Decommissioning and Reclamation Plan	Yes

The PDP is to be revised at a minimum of every five years or when required by the Commission; however, is to be kept current to reflect any significant changes in the site or nuclear facility. The current PDP and PDCE are dated XXX 2025.

Guidance

There is no guidance provided for this licence condition

WASTE MANAGEMENT

12. SECURITY

Licence Condition 12.1

The licensee shall implement and maintain a security program.

Preamble

The "security" safety and control area covers the programs required to implement and support the security requirements stipulated in the regulations, the licence, orders, or expectations for the facility or activity.

Compliance Verification Criteria

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Security Program	Yes

The security program will be assessed against the following principles:

12.1.1 The security program addresses the risks identified in an industrial security threat and risk assessment.

12.1.2 Reasonable measures are implemented and maintained to prevent the loss of nuclear substances or prevent acts of sabotage at the facility.

12.1.3 Reasonable measures are taken to prevent unauthorized access to the mining facility and to areas within the facility where nuclear substances are stored.

12.1.4 Reasonable measures are implemented to prevent the unauthorized loss, alternation, or disclosure of prescribed information.

12.1.5 The industrial security threat and risk assessment is periodically reviewed and updated.

12.1.6 Security awareness training is implemented and maintained.

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Security of Nuclear Substances: Sealed Sources and Category I, II and III Nuclear Material, Version 2.1	REGDOC-2.12.3

13. SAFEGUARDS AND NON-PROLIFERATION

Licence Condition 13.1

The licensee shall implement and maintain a safeguards program.

Preamble

The "safeguards and non-proliferation" safety and control area covers the programs and activities required for the successful implementation of the obligations arising from the Canada/International Atomic Energy Agency (IAEA) safeguards agreements, as well as all other measures arising from the *Treaty on the Non-Proliferation of Nuclear Weapons*.

Compliance Verification Criteria

Source	Document Title	Document Number
CNSC	Safeguards and Nuclear Material Accountancy	REGDOC-2.13.1

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Security Program	Yes
NexGen	Mining and Milling Facility Description Manual	Yes

The safeguards and non-proliferation program will be assessed against CNSC's REGDOC-2.13.1, *Safeguards and Nuclear Material Accountancy,* and the following principles:

13.1.1 Reasonable services and assistance are provided to the IAEA to enable the IAEA to carry out its duties and functions.

13.1.2 Prompt access to all locations at the facility is granted to the IAEA at all reasonable times where such access is required for the purposes of carrying on an activity pursuant to a safeguards agreement. Health and safety services and escorts are provided as required in order to facilitate activities.

13.1.3 Records that must be kept or any reports that are required to be made under a safeguards agreement are disclosed to the CNSC and the IAEA.

13.1.4 Reasonable assistance is provided to the IAEA to enable sampling and removal or shipment of samples.

13.1.5 Reasonable assistance is provided to the IAEA to enable measurements, tests and removal or shipment of equipment.

13.1.6 Measures are implemented to prevent damage to, or the theft, loss or sabotage of samples collected pursuant to a safeguards agreement or the illegal use, possession or removal of such samples.

13.1.7 Reports and information, that is required to facilitate Canada's compliance with any applicable safeguards agreement, is provided to the Commission.

Guidance

There is no guidance provided for this licence condition.

14 Environmental Assessment Conditions and Commitments

Licence Condition 14.1

The licensee shall implement the Rook I Project Environmental Assessment (EA) conditions and regulatory commitments.

Preamble

The Rook I Project EA conditions and the NexGen Energy Ltd. Commitments Register identifies EA regulatory commitments, including mitigation measures and follow-up program measures, made by NexGen during the EA review process pursuant to the *Canadian Environmental Assessment Act* (CEAA) 2012. CNSC staff will conduct compliance verification activities to verify and confirm that the EA regulatory commitments are being adequately implemented.

Compliance Verification Criteria

The licensee shall implement the regulatory commitments outlined in Appendix D.5 of this document and the NexGen Energy Ltd. Federal Commitments Report (the "Commitments Registry") that are applicable to construction and pre-operation activities. This does not apply to NexGen commitments that are outside the scope of the CNSC's mandate. Other NexGen commitments not applicable to the site preparations, construction and pre-operation activities will be addressed in subsequent licensing phases.

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Indigenous and Public Engagement Program	Yes
NexGen	NexGen Rook I Project Federal Commitments Report	Yes

Guidance

The licensee should engage with the Indigenous Nations and communities with potential impacts to the licensed activities on the progress of the EA conditions and commitments and should share information where possible.

Guidance Publications

Source	Document Title	Document Number
CNSC	Indigenous Engagement, Version 1.2	REGDOC-3.2.2

15 Indigenous Engagement

Licence Condition 15.1

The licensee shall implement and maintain an Indigenous engagement program.

Preamble

The Rook I site resides on lands in which many Indigenous Nations and communities have a vested interest and rights. The site is situated within historic Treaty 8 and lies within "No Hoe Nene" the traditional lands of CRDN, the homeland of the Métis and the Nuhenéné, the traditional territory of the Athabasca Denesuliné.

This licence condition requires the creation, submission and implementation of a program to ensure ongoing Indigenous engagement by NexGen on the Rook I project. As per section 6 of REGDOC-3.2.2, *Indigenous Engagement*, licensees may be required to continue to engage Indigenous Nations and communities after an Environmental Assessment or licensing decision. Licensees may also be required to update the CNSC about their ongoing Indigenous engagement activities – for example, the status of the implementation and effectiveness of mitigation, accommodation measures and commitments to Indigenous Nations and communities.

CNSC staff identified Indigenous Nations and communities who have interests and Indigenous and/or Treaty rights in the area where the Rook I Project is located (herein referred to as "identified Indigenous Nations and communities"). The following Indigenous Nations and communities were identified as having Indigenous and/or Treaty rights that may be potentially impacted by the Rook I Project:

- Clearwater River Dene Nation
- Buffalo River Dene Nation
- Birch Narrows Dene Nation and
- Métis Nation – Saskatchewan (Northern Region 2)

The following Indigenous Nations and communities were identified as having interest in the Rook I Project (herein referred to as "interested Indigenous Nations and communities"):

- Ya'thi Nene Lands and Resource Office, which represents the communities of Hatchet Lake First Nation, Black Lake First Nation and Fond du Lac First Nation, as well as the municipalities of Camsell Portage, Uranium City, Stony Rapids and Wollaston Lake
- Athabasca Chipewyan First Nation
- Willow Lake Métis Nation and
- Mikisew Cree First Nation.

For the purposes of this Licence Condition, the term "identified Indigenous Nations and communities" refers specifically to the Indigenous Nations and communities listed above who have Indigenous and/or Treaty rights in the Project area.

INDIGENOUS ENGAGEMENT

Compliance Verification Criteria

In developing the Rook I-specific Indigenous Engagement Program required by this licence condition, the licensee should engage with and seek feedback from the identified Indigenous Nations and communities.

The engagement program shall identify specific engagement, activities, commitments and definitions. The development of the engagement program should be a collaborative process between the licensee and the identified Indigenous Nations and communities and tailored to Indigenous Nation and communities' rights, interests and preferences for engagement and communications.

The ongoing engagement in accordance with the engagement program shall be carried out with the identified Indigenous Nations and communities. If an Indigenous Nation and/or community is non-responsive, the licensee shall continue to share information and provide opportunities for engagement, unless the Indigenous Nation and/or community specifically declines the engagement opportunities and requests that the licensee stop sharing information regarding the Rook I Project. The licensee shall make efforts to involve the interested identified Indigenous Nations and communities in the engagement program, where appropriate, and shall report on these efforts as part of annual reporting on the engagement program.

To ensure ongoing engagement, the licensee's program shall provide for collaboration and engagement with the identified Indigenous Nations and communities on the following:

1. Make reasonable efforts to collaborate with Indigenous Nations and communities to identify and implement approaches to engagement and communication that takes into consideration the knowledge, needs, protocols, language, preferences and interests of each Indigenous Nation and community.
2. Provide knowledge sharing opportunities such as site visits, workshops and information sessions or alternate communication and engagement activities as expressed by Indigenous Nations and communities.
3. Collaborate with Indigenous Nations and communities in relation to monitoring and follow-up activities related to the Rook I Project. Monitoring and follow-up activities will include both operational activities and commitments made through the federal EA process including, but not limited to, EA conditions related to environmental monitoring, caribou mitigation, emergency management, baseline data gathering and other follow-up activities that relate directly to concerns raised by Indigenous Nations and communities during the EA and regulatory review process for the Project.
4. Respond to questions, concerns or comments from Indigenous Nations and communities regarding the Rook I Project and work collaboratively to reflect feedback and Indigenous Knowledge within the licensee's activities, as appropriate.

Additionally, CNSC staff acknowledge that NexGen has made commitments to Indigenous Nations and Communities through the EA and regulatory review process. The licensee shall fulfill their commitments described in the Commitments Registry. The commitments made by NexGen that do not fall within the CNSC's mandate and authority will not form part of the compliance verification criteria. However, the CNSC encourages NexGen to provide summary

updates on progress in meeting all commitments made to Indigenous Nations and communities through annual reporting in relation to their Rook I Indigenous Engagement Program.

Reporting Requirements

As part of the Annual Compliance Monitoring Report discussed under LC 3.2 below, the licensee shall submit to the CNSC information on engagement activities it has undertaken with the identified Indigenous Nations and communities during the reporting year as part of its engagement program. The development of this content should be a collaborative process between the licensee and the identified Indigenous Nations and communities. It is acknowledged that an Indigenous Nation or community may share information with the licensee in confidence. The licensee should work with the Indigenous Nation or community to ensure this information is not disclosed and the Indigenous Nation or community is comfortable with the level of detail communicated within the report.

This reporting shall describe:

- The name of the Indigenous Nation or community.
- The method(s), date(s), location(s), and topics of engagement activities with the Indigenous Nation or community.
- Engagement efforts undertaken within the year in relation to identified and interested Indigenous Nations and communities
- An update on the commitments (items 1 through 4 above) along with any relevant information and context regarding the status of, timelines, and process made on the initiatives and commitments.
- A summary of any issues, interests, or concerns raised, including those in relation to any potential impacts on identified or established Indigenous and/or Treaty rights.
- The measures taken, or that will be taken, to address or respond to the issues or concerns. Alternatively, an explanation as to why no further action is required to address or respond to issues or concerns shall be provided.
- A description of any changes to project activities and/or programs to address and incorporate the measures taken to respond to issues ort concerns, or to incorporate knowledge and feedback from Indigenous Nations and communities.
- Discussion of relevant corporate policies and programs with respect to Indigenous initiatives.

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual	Yes
NexGen	Public and Indigenous Information Program	Yes
NexGen	NexGen Rook I Project Federal Commitments Report	Yes

Guidance

Guidance Publications

Source	Document Title	Document Number
CNSC	Public Information and Disclosure	REGDOC-3.2.1
CNSC	Indigenous Engagement, Version 1.2	REGDOC-3.2.2

16 SITE SPECIFIC FINANCIAL GUARANTEE

Licence Condition 16.1

The licensee shall submit an acceptable financial guarantee within 60 days of the issuance of this licence, and prior to the commencement of licensed construction activities.

Preamble

The licensee is responsible for all costs of decommissioning at the facility. All such costs are included in the licensee's decommissioning cost estimates and are covered by the licensee's financial guarantee for decommissioning. The licensee's decommissioning cost estimate is provided in the facility's preliminary decommissioning plan. There is no current financial guarantee in place, at the issuance of a licence, covering decommissioning costs.

Compliance Verification Criteria

Licensing Basis Publications

Source	Document Title	Document Number
CSA Group	Decommissioning of Facilities Containing Nuclear Substances	N294:19
CNSC	Decommissioning	REDOC-2.11.2
CNSC	Financial Guarantees for Decommissioning of Nuclear Facilities and Termination of Licensed Activities	REGDOC-3.3.1

Licensee Documents that Require Notification of Change

Source	Document Title	Prior Notification Required
NexGen	Mining and Milling Facility Description Manual -ROOK-ENG-MAN-00001	Yes
NexGen	Preliminary Decommissioning Reclamation Plan -ROOK-DEC-PLN-00001	Yes

APPENDIX A CHANGE CONTROL PROCESS

A.1 Change Control Process

A change control process is applied to the LCH to ensure that:

- preparation and use of the LCH are properly controlled
- all referenced documents are correctly identified and maintained
- procedures for modifying the LCH are followed.

A request to change this LCH can be initiated by either CNSC staff or the licensee. The licensee will be consulted on any changes to the LCH that are proposed by CNSC staff.

CNSC staff will take the following steps to update the LCH:

1. the CNSC receives or initiates written notification of proposed change
2. initiate a change request using the Change Request Form
3. complete a technical review of the proposed change, if required
4. consult the licensee and in case of disagreement on the proposed change, the dispute resolution process outlined in section A.3 will apply
5. obtain consent and signature from a Delegated Officer
6. update the LCH in accordance with the Change Request Form and send the updated document to the parties identified on the distribution list (section A.5).

Change Request Form

1. GENERAL INFORMATION			
File Plan #		**e-Doc #(s) for Change Request Form**	
Licensee	**Licence Number**	**LCH #, Rev/Version**	**Request Date**
Licensing Officer			

2. CHANGE(S) TO THE LCH			
#	**Description and Purpose**	**Proposed Change**	**References**
1	<initiator, nature, reason for change, e.g. administrative, change to a licensee doc, etc.>	<identify modifications, such as by track changes, highlighting, etc.>	<LC, page, section #, etc.>
2			

3. ASSESSMENT (text and/or e-Doc #s)			
#	**Division/Org**	**Comment**	**Disposition**
1	<division>		
	<division>		
	<licensee>		
	<division>		
2	etc.		

4. CONSENT TO MODIFY		
#	**Agreed**	**Comment**
1		
2		

Name	**Title**	**Signature**	**Date**

5. LCH DOCUMENTATION AND DISTRIBUTION		
New LCH Number	**LCH Effective Date**	**e-Doc #** (include version number)

APPENDIX A

CNSC Outgoing Notification	e-Doc #	Date Sent

A.2 Review Criteria for Proposed Changes to Licensing Basis Documents

The licensee must provide the CNSC with written notification of a proposed significant change to key licensee documents before the licensee implements the change. The notification must be accompanied by sufficient information to demonstrate that the change is within the intent of the licensing basis. Written notification of minor or administrative changes may be made in batches after the changes have been implemented.

The following criteria will be used by CNSC staff to determine if the proposed change is acceptable:

1. The submission includes the appropriate level and quality of information with regards to:
   a) The description of the proposed change including:
      - a summary of the change, including the purpose or need for the change
      - a preliminary finding of whether this proposal or notification is required under the NSCA, a regulation made under the Act or the licence, or has implications under the *Impact Assessment Act*, or whether a licence amendment or other licensing action would likely be required
      - where applicable, the alternatives evaluated and the reasons for selection of the chosen option
      - any changes to the inventories of nuclear substances on site related to the proposed change
      - the construction, commissioning and operating schedule for the proposed change including hold points or progress reports for regulatory review and approval (as appropriate)
      - expected impacts, if any, on the proposed decommissioning or closure plans
      - results of any risk analysis or hazard operability studies performed, and a summary of the identified hazards and the mitigation measures identified to control potential hazards

-

b) The description of the design control, operating specifications and criteria including:
   - the design basis and criteria, and performance specifications
   - the design drawings such as the general arrangement, process and instrumentation diagrams, and process flow sheets
   - the quality management program for the various key stages of the change (e.g., design, construction, commissioning, etc.)

c) The assessment of both the short- and long-term impacts with the mitigation measures in place on:
   - worker's health and safety, including potential radiological and non-radiological exposures
   - the environment
   - security
   - Canada's international obligations

d) The planned administrative controls including:
   - changes to the organization, roles and responsibilities
   - changes to applicable programs and procedures
   - a description of the proposed monitoring, inspection and test plans, including locations and frequency proposed to evaluate both positive and negative results

e) Changes to contingency plans including "full-stop measures"

f) Evidence that the licensee's internal reviews and approvals have been completed, including meeting the requirements of the licensee's change management procedure and consultation with the onsite occupational health and environmental committees, where applicable

g) Identification of the documents and training programs that may require revision when the proposed change is implemented

2. The effects of the proposed change or action remain within the licensing basis.
3. Following the implementation of the change the licensee will remain in compliance with the requirements set out in the applicable acts, regulations, and LCs.

APPENDIX A

A.3 Dispute Resolution

In case of a dispute between the licensee and CNSC staff regarding changes to the LCH, both parties will meet to discuss the dispute and reach a decision on the path forward. The decision, including its rationale will be documented. If any party is not satisfied with the decision, the resolution process will proceed up to the Director, Director General or Executive Vice-President and Chief Regulatory Operations Officer level. If any party is still not satisfied with the decision, the issue will be brought to the attention of the Commission at a Commission meeting. The decision made by the Commission will be final.

A.4 Records Management

In order to track changes to the LCH, the document change request and accompanying documentation will be archived in records and referenced in the revision history of the LCH. Electronic communication related to the change, such as comments from reviewers will be stored in the CNSC information management system.

A.5 Distribution

A copy of the updated version of the LCH will be distributed to the following parties:

- Uranium Mines and Mills Division, CNSC
- NexGen Ltd.

A.6 Reporting to the Commission

CNSC staff will report on the changes made to the LCH in the applicable annual report to the Commission.

APPENDIX A

APPENDIX B LICENSEE DOCUMENTS THAT REQUIRE NOTIFICATION OF CHANGE

Document Title
Mining and Milling Facility Description Manual -ROOK-ENG-MAN-00001
NexGen Rook I Integrated Management System Manual
NexGen Rook I Human Factor Engineering Program Plan
NexGen Rook I Training Management Program
NexGen Rook I Environmental Code of Practice
NexGen Rook I Radiation Code of Practice
NexGen Rook I Preliminary Decommissioning Reclamation Plan -ROOK-DEC-PLN-00001
NeGen Rook I Preliminary Decommissioning and Reclamation Cost Estimate -ROOK-DEC-PLN-00002
NexGen Rook I Indigenous and Public Engagement Program
NexGen Rook I Waste Management Program
NexGen Rook I Radiation Protection Program Appendix A: Nuclear Substance and Radiation Device Listing
NexGen Rook I Mine Waste Safety Case
NexGen Rook I Radiation Protection Program
NexGen Rook I Health and Safety Program
NexGen Rook I Construction Management Program
NexGen Rook I Asset Management Program
NexGen Rook I ALARA
NexGen Rook I Environmental Protection Program
NexGen Rook I Environmental Monitoring Plan
NexGen Rook I Effluent and Emissions Plan
NexGen Rook I Emergency Preparedness and Response Program
NexGen Rook I Fire Protection Program
NexGen Rook I Security Program
NexGen Rook I Project Federal Commitments Report

APPENDIX B

APPENDIX C LIST OF DOCUMENTS USED AS GUIDANCE OR COMPLIANCE VERIFICATION CRITERIA

Note: For CNSC documents, the most recent version of a referenced document shall be implemented following review and agreement between NexGen and the Canadian Nuclear Safety Commission.

Document	Document Title	Document Number
Canadian Dam Association	Canadian Dam Association, Canadian Dam Safety Guidelines	N/A
CNSC	Preparing Codes of Practice to Control Radiation Doses at Uranium Mines and Mills	G-218
CNSC	Management System	REGDOC-2.1.1
CNSC	Human Factors	REGDOC-2.2.1
CNSC	Safety Analysis for Class IB Nuclear Facilities	REGDOC-2.4.4
CNSC	General Design Considerations: Human Factors	REGDOC-2.5.1
CNSC	Environmental Protection: Environmental Principles, Assessments and Protection Measures, Version 1.2	REGDOC-2.9.1
CNSC	Controlling Releases to the Environment	REGDOC-2.9.2
CNSC	Dosimetry, Volume I: Ascertaining Occupational Dose	REGDOC-2.7.2
CNSC	Personnel Training, Version 2	REGDOC-2.2.2
CNSC	Nuclear Emergency Preparedness and Response, Version 2	REGDOC-2.10.1
CNSC	Decommissioning	REGDOC-2.11.2
CNSC	Safeguards and Nuclear Material Accountancy	REGDOC-2.13.1
CNSC	Public Information and Disclosure	REGDOC-3.2.1
CNSC	Licence Application Guide Nuclear Substances and Radiation Devices	REGDOC-1.6.1
CNSC	Safety Culture	REGDOC-2.1.2
CNSC	Design of Uranium Mines and Mills: Ventilation Systems	REGDOC-2.5.4
CNSC	Conventional Health and Safety	REGDOC-2.8.1

Document	Document Title	Document Number
CNSC	Waste Management, Volume II: Management of Uranium Mine Waste Rock and Mill Tailings	REGDOC-2.11.1
CNSC	Waste Management, Volume III: Safety Case for the Disposal of Radioactive Waste, Version 2	REGDOC
CNSC	Security of Nuclear Substances: Sealed Sources and Category 1, II and II Nuclear Material, Version 2.1	REGDOC-2.12.3
CNSC	Reporting Requirements, Volume I: Non-Power Reactor Class I Nuclear Facilities and Uranium Mines and Mills	REGDOC-3.1.2
CNSC	Financial Guarantees for Decommissioning of Nuclear Facilities and Termination of Licensed Activities	REGDOC-3.3.1
CNSC	Regulatory Fundamentals	REGDOC-3.5.3
CNSC/SK	CNSC – Saskatchewan Harmonized Annual Reporting Requirements, August 2010	e-Doc 3678482
CSA Group	Management System Requirements for Nuclear Facilities	N286-12
CSA Group	Environmental Management of Nuclear Facilities: Common requirements of the CSA N288 series of Standards, 2022	N288.0:22
CSA Group	Environmental Monitoring Programs at Nuclear Facilities and Uranium Mines and Mills	N288.4:19
CSA Group	Effluent and Emissions Monitoring Programs at Class I Nuclear Facilities and Uranium Mines and Mills	N288.5:22
CSA Group	Environmental Risk Assessments at Nuclear Facilities and Uranium Mines and Mills	N288.6:22
CSA Group	Groundwater Protection Programs at Class I Nuclear Facilities and Uranium Mines and Mills	N288.7:23
CSA Group	Establishing and Implementing Action Levels for Releases to the Environment from Nuclear Facilities	N288.8:17
CSA Group	Decommissioning of Facilities Containing Nuclear Substances	N294:19
CSA Group	Selection, use and care of respirators	Z94.4:18
CSA Group	Environmental Management Systems – Requirements with Guidance for Use	ISO 14001:2015

APPENDIX C

Document	Document Title	Document Number
NRC	National Building Code of Canada 2020	N/A
NRC	National Fire Code of Canada 2020	N/A
CSA Group	Fire Protection for Facilities that Process, Handle, or Store Nuclear Substances	N393:22
Canadian Dam Association	Dam Safety Guidelines (2007, revised 2013)	N/A

APPENDIX C

APPENDIX D REGULATORY COMMITMENTS

Appendix D.1: EA Conditions Prescribed by the Commission

Condition Number	EA Condition	Closure Criteria Requirements	Timeline Required By
EA1	The licensee shall collect and submit additional baseline wetlands water level and water quality data. The licensee shall also submit the plans for wetland monitoring over the lifecycle of the project to assess potential effects due to the Project and to verify conclusions of the Environmental Impact Statement (EIS).	CNSC staff review and acceptance of a report to the CNSC that: • Outlines the methodology, timing, and locations for additional wetland water level and quality baseline surveys with appropriate justification • Demonstrates that the baseline data is sufficient to obtain a basic understanding of within-year and between-year variation • Provides the results of the wetland water level and quality baseline surveys. CNSC staff review and acceptance of an updated Environmental Monitoring Plan (EMP) to the CNSC that includes: • Wetland monitoring methodology, timing, and locations throughout the lifecycle of the project • Discussion on how the methodology enables assessment of adverse effects and verification of the effectiveness of mitigation measures. Additionally, wetlands data shall also be incorporated into the next update of the ERA, as relevant.	Prior to the commencement of site preparation activities

Condition Number	EA Condition	Closure Criteria Requirements	Timeline Required By
EA2	The licensee shall submit a revised woodland caribou mitigation and offset plan that utilizes site-specific information to evaluate effects to woodland caribou and includes a plan for habitat offsetting. The plan must ensure that measures are taken to avoid or lessen any adverse effects to woodland caribou and monitor those effects. The plan shall be consistent with the Government of Canada's Amended Recovery Strategy for Woodland Caribou (*Rangifer tarandus caribou*), Boreal Population, in Canada.	Review and acceptance by a person authorized by the Commission of a draft woodland caribou mitigation and offsetting plan to the CNSC that: • Discusses overall consistency with the federal Amended Recovery Strategy for Woodland Caribou. • Describes the residual adverse effects on caribou including details on the loss of critical habitat and biophysical features. • Provides details of the mitigation hierarchy, including avoidance, minimization, on-site restoration, and offsetting measures. • Provides details on monitoring for the effectiveness of proposed mitigation measures. Regarding offsetting, the plan may include the proposed: • Offsetting ratio amounts (in hectares) • Methodologies and associated benefits, uncertainties, and risks • Locations including habitat types • Timing • Ownership • Justification of how the offsetting achieves no net loss of critical habitat • Contingency measures • Commitment on progress reporting including information to be provided and frequency • Statement on quality assurance and quality control	Prior to the commencement of site preparation activities

APPENDIX D

Condition Number	EA Condition	Closure Criteria Requirements	Timeline Required By
EA2		Review and acceptance by a person authorized by the Commission of a finalized woodland caribou mitigation and offsetting plan to the CNSC that builds on the revised draft plan and: • Provides an offset description, offset ownership, offset assessment, and contingency measures for offsetting. • Progress made on the implementation of offsetting • Summary of changes made to items proposed in the draft plan. • Adequately addresses CNSC technical comments that were deemed to be appropriate to be deferred to the finalized plan. • Includes a commitment for regular review and update through the life of the project.	Licence to operate application
EA3	The licensee shall submit plans for the monitoring of adverse effects of the project on listed wildlife species and their critical habitat over the lifecycle of the project.	Review and acceptance by a person authorized by the Commission of detailed plans for the monitoring for adverse effects of the Project on all listed wildlife species identified in the EIS and their critical habitat. The monitoring plan design must: • Demonstrate consistency with any applicable recovery strategy or action plan for each species, or other guidance with appropriate justification. • Enable detection of each predicted adverse effects of the project on each species. • Enable verification of the effectiveness of implemented mitigation measures for each adverse effect of the project on each species. • Enable collection of data that allows for a statistically	Prior to the commencement of site preparation activities.

Condition Number	EA Condition	Closure Criteria Requirements	Timeline Required By
		robust comparison to assess potential impacts on listed species over the lifecycle of the project. • Contain at least the following information for each species: objective; target areas/sampling points; monitoring techniques; timing; frequency. • Identify the circumstances under which corrective measures may be needed to address any issue or problem identified through the monitoring. • Include a commitment for progress reporting and associated level of information and frequency.	
EA3		Review and acceptance by a person authorized by the Commission of updated detailed monitoring plans to address subsequent project phases for all listed wildlife species and a report to the CNSC that includes: • Summary of monitoring results for each listed species. • Discussion of detected adverse effects. • Evaluation of detected versus predicted effects as well as the effectiveness of mitigation measures to address adverse effects. • Any corrective measures taken to address unanticipated or greater than predicted effects. • Review for consistency with any updated applicable recovery strategy or action plans. • Review of list of species for consistency with Schedule 1 of SARA. • Proposed changes to the monitoring plans.	Prior to the commencement of activities under subsequent licences (e.g., licence to operate, license to decommission).

APPENDIX D

Appendix D.2: Licensing Regulatory Commitments

Condition Number	Description of Requirement	Closure Criteria Requirements	Timeline Required By
EP-01	The licensee shall complete and provide a finalized Best Available Technology Economically Achievable (BATEA) assessment for the temporary effluent treatment plant.	Review and acceptance by a person authorized by the Commission of a final version of the BATEA that includes the proposed: • Environmental release targets • Maximum predicted design release characteristics	Ninety days prior to commencement of site preparation activities.
EP-02	The licensee shall provide an updated Environmental Risk Assessment	Review and acceptance by a person authorized by the Commission of an updated ERA that is compliant with REGDOC-2.9.1: Environmental Protection: Environmental Principles, Assessments and Protection Measures, and CSA N288.6:22 Environmental risk assessments at nuclear facilities and uranium mines and mills.	Prior to commencement of construction activities
PD-01	The licensee shall provide detailed descriptions of the designs (including site plans, general arrangement drawings and process flow sheets as well as mass balance issued for construction), design criteria and design validation plan for: • the mill • mine • ore handling/ storage facilities, and • waste management facilities (those not captured in PD03) as further detailed information is available.	Review and accepted by a person authorized by the Commission of detailed design information for these facilities (as applicable): • Mining method • Freeze design for shaft construction • Shaft design • Ore/material handling within the mine and mill • Hoist facilities (for materials and personnel) • Emergency response equipment and facilities • Fire protection services • Ventilation design (including HVAC) • Air exhaust treatment systems • Underground water management (including water inflow, clarification and	Ninety days prior to commencing the mill construction

Condition Number	Description of Requirement	Closure Criteria Requirements	Timeline Required By
		recycling of process water) • Electrical and control systems • Surface water management facilities • Utilities and ancillary facilities • Primary and secondary containment structures, sumps, etc. • Radiological and industrial/conventional waste management facilities	
PD-02	The licensee shall provide the detailed requirements for the various cementitious-based materials to be used for the shaft, UGTMF, ore storage facility and mill.	Review and accepted by a person authorized by the Commission of the detailed requirements for all cementitious-based materials with regards to their rheological properties, durability and resistance to aggressive elements (e.g. sulfate, chloride, etc.) and harsh environments (e.g. frozen ground), integration into the overall design (e.g. impacts of shrinkage, hydration heat, potential Delayed Ettringite Formation, corrosion of reinforcement, potential associated cracking, including at early-age, etc.), and QA/QC.	Ninety days prior to commencing the construction activities
PD-03	The licensee shall provide detailed designs for the following waste management facilities: 1) Potentially Acid Generating (PAG) and Non-Potentially Acid Generating (NPAG) waste rock stockpiles, including surface water management infrastructure 2) UGTMF.	Review and acceptance by a person authorized by the Commission of the detailed design that incorporates: • Safety analyses with updated site models/conditions and site-specific parameters • Monitoring and instrumentation plan • Design drawings • Technical specifications	Ninety days prior to construction of each structure

APPENDIX D

Condition Number	Description of Requirement	Closure Criteria Requirements	Timeline Required By
PD-04	The licensee shall develop and implement a plan to measure in-situ stresses, and hydraulic conductivities of the overburden and the sedimentary rocks in the area of the shafts.	Review and acceptance by a person authorized by the Commission of the plan. • The plan is adequate to collect the required information • The shaft and UGTMF designs shall be verified/confirmed with the measured parameters.	The plan shall be provided ninety days prior to the shaft sinking, and be implemented prior to or during the shaft sinking

APPENDIX D