



**MMR Nuclear Plant: Proposed Schedule for Submission of Licence  
Application Information**

Document Classification  
**Controlled**

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**CRP-LIC-01-003**

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---

**Table of Contents**

**Abbreviations..... 3**

**1. Introduction..... 4**

**2. Proposed Schedule for Submission of Licence Application Information ..... 5**

**3. References ..... 7**

**Table of Exhibits**

**Exhibit 2-1: Proposed Schedule for Submission of Licence Application Information ..... 5**



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## ABBREVIATIONS

This list contains the abbreviations frequently used in this document.

<b>Abbreviation or Acronym</b>	<b>Definition</b>
CNSC	Canadian Nuclear Safety Commission
EIS	Environmental Impact Statement
GFP	Global First Power Ltd.
LTPS	Licence to Prepare Site
MMR™	Micro Modular Reactor™
SCA	Safety and Control Area
SSTRA	Site Selection Threat and Risk Assessment
USNC	Ultra Safe Nuclear Corporation



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## 1. Introduction

This document provides information in support of Global First Power’s (GFP) partial (initial) application for a Licence to Prepare Site (LTPS) for one Micro Modular Reactor (MMR™<sup>1</sup>) Nuclear Plant on the Chalk River Laboratories property [1].

The Canadian Nuclear Safety Commission (CNSC) regulatory document REGDOC-1.1.1 [2], section A.1, states that “the applicant may submit a complete application or a partial application”. This document includes GFP’s proposed schedule for submission of LTPS application information. The other two elements that are required for the initial application are provided in [1]. Those elements are:

- GFP’s general information and general project information, as required in sections A.3 through A.5 of REGDOC-1.1.1 [2], and
- GFP’s intended approach for the conduct of the Environmental Assessment and licensing process (that is, parallel or sequential approach).

GFP expects that this proposed schedule be further refined based on discussions with and feedback from CNSC. Our current proposed schedule has not assumed regulatory review durations or other regulatory processes such as public hearings or Commission decision-making. Therefore, as part of the discussions with CNSC, GFP may consider bringing some of the proposed package submission dates forward.

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<sup>1</sup> The Micro Modular Reactor (MMR) is a Trademark of Ultra Safe Nuclear Corporation. Everywhere the terms “Micro Modular Reactor” or “MMR” are used in this document, it should be noted that a Trademark is associated with them.



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**2. Proposed Schedule for Submission of Licence Application Information**

**Exhibit 2-1: Proposed Schedule for Submission of Licence Application Information**

Submission Package Number	Initial Application Package	1	2	3
Proposed Submission Date	March 2019 (Update in June 2019)	December 2019	September 2020	March 2021
Proposed High-Level Content	<ul style="list-style-type: none"> <li>• CRP-LIC-01-001, Project Description for the Micro Modular Reactor™ Project at Chalk River</li> <li>• CRP-LIC-01-002, Licence to Prepare Site Initial Application: MMR Nuclear Plant at Chalk River</li> <li>• CRP-LIC-01-003 (this document)</li> <li>• CRP-LIC-01-004, Draft Preliminary Indigenous Engagement Report</li> <li>• CRP-LIC-01-005, Indigenous Engagement Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Management System</li> <li>• Public Information and Disclosure Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Draft Environmental Impact Statement (EIS) and Supporting Studies</li> </ul> <p>Note: The above also supports partially or fully some SCAs (for LTPS), e.g.:</p> <ul style="list-style-type: none"> <li>○ SCA - Operating Performance</li> <li>○ SCA - Safety Analysis (supporting EIS and Site Evaluation)</li> <li>○ SCA - Radiation Protection</li> <li>○ SCA - Conventional Health &amp; Safety</li> <li>○ SCA - Environmental Protection</li> <li>○ SCA - Security (SSTRA only)</li> <li>○ SCA - Waste Management</li> </ul> <ul style="list-style-type: none"> <li>• Preliminary Indigenous Engagement Report</li> </ul>	<p>Documentation addressing:</p> <ul style="list-style-type: none"> <li>○ SCA - Safety Analysis (supporting Site Preparation activities)</li> <li>○ SCA - Physical Design</li> <li>○ SCA - Emergency Management and Fire Protection</li> <li>○ SCA - Security (balance from Package 2, i.e. all but SSTRA)</li> <li>○ SCA - Safeguards</li> <li>○ Intragovernmental consultations</li> </ul> <ul style="list-style-type: none"> <li>• Evidence of control of the site</li> <li>• Financial guarantees information</li> <li>• Document outlining major differences between LTPS SCA-related information and USNC’s Vendor Design Review Phase 2 potentially affecting the licensed activity; if applicable.</li> </ul>



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---

### Notes:

- Any SCA-specific information related to site preparation activities not included within Packages 1 and 2 submissions, will be included in Package 3.
- The submission date for the Final EIS (updated document based on public and regulatory feedback following the review of the Draft EIS) depends on the timelines of regulatory activities (e.g., reviews) and overall project schedule that will be discussed with the CNSC. Thus, the Final EIS document and its submission date are not yet included in the proposed submission packages above.
- The submission date for the Final Indigenous Engagement Report (update of Package 2 Preliminary Indigenous Engagement Report) depends on the overall project schedule that will be discussed with the CNSC. Thus, the Final Indigenous Engagement Report and its submission date are not yet included in the proposed submission packages above. Similarly, any interim reporting needs and dates will be established based on discussions between GFP and CNSC.



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### 3. References

- [1] GFP, "Licence to Prepare Site Initial Application: MMR Nuclear Plant at Chalk River", CRP-LIC-01-002, June 2019.
- [2] CNSC, REGDOC-1.1.1, "Site Evaluation and Site Preparation for New Reactor Facilities", July 2018.