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APPROVED FOR INTERNAL USE

STAFF REVIEW PROCEDURES:
Application for Licence to Prepare Site
For a New Nuclear Power Plant
SRP-2.01-SP-11NNNN-003

Rev. 000

General Applicant Information - Nuclear Substances to be
Encompassed by the *Licence to Prepare Site*

Directorate of Regulatory Improvement and Major Projects Management
New Major Facilities Licensing Division



Preface

Staff Review Procedures have been developed by the CNSC staff, as internal working documents, to be used by CNSC staff to assist them in the conduct of regulatory reviews of a potential licensee's (proponent) application for a Licence to Prepare Site (LTPS) for a new nuclear power plant in Canada. They are not regulatory documents, although their respective topics of assessment and criteria are based on regulations under the Nuclear Safety and Control Act, General Nuclear Security and Control Regulations, Class I Nuclear Facilities Regulations and/or Nuclear Security Regulations.

The initiative to develop Staff Review Procedures was undertaken in order to ensure a consistent application of the internal processes for the review of licence applications for new nuclear power plants, and to improve the efficiency and effectiveness of such reviews.

Staff Review Procedures are considered by CNSC staff to be "living documents", which will evolve based on the experience gained from licensing reviews.

Context

An application for a *Licence to Prepare Site* for a new nuclear power plant is submitted by a proponent pursuant to Section 24(2) of the *Nuclear Safety and Control Act* (NSCA), in order to initiate the licensing process for the preparation of a site for the future construction and operation of a facility regulated under the NSCA.

The application for a *Licence to Prepare Site*, in concert with the submission of a Project Description, triggers an environmental determination (as per Section 5 of the *Canadian Environmental Assessment Act*), which in turn triggers the Environmental Assessment (EA) process.

As part of CNSC's licensing process, an application for a *Licence to Prepare Site* will be reviewed against the "Application for *Licence to Prepare Site*" Staff Review Procedures. The Procedures represent CNSC expectations and guidance supporting the assessment of each application by CNSC staff, and are intended to augment and support licensing recommendations by staff to the Commission tribunal.

Effective Date	Rev. #	Description of Revisions Made to Document	
		Section	Changes Made
2008-10-15	000	All	New Document issued under Document Change Package 3297743

Part	Area of Review ¹	Applicable Regulation under the Nuclear Safety and Control Act ** Note: Bolded regulations are considered to be key regulations for this topic area**		
---	Nuclear Substances to be encompassed by the Licence to Prepare Site	GNSCR ²	3(1)(c)	<i>the name, maximum quantity and form of any nuclear substance to be encompassed by the licence;</i>

1. Topic of Review

This review confirms the application for *Licence to Prepare Site* clearly states that any radioactive or nuclear substances proposed to be used for site preparation activities will be encompassed under their own CNSC nuclear substance and device licenses and not under the *Licence to Prepare Site*.

2. Criteria and Objectives

The application for *Licence to Prepare Site* does not propose the handling of radioactive or nuclear substances to be included in the *Licence to Prepare Site* except for substances exempt from a licence by the *Nuclear Substances and Radiation Devices Regulations*.

For any radioactive or nuclear substances not exempt from a licence by the *Nuclear Substances and Radiation Devices Regulations*, the application for *Licence to Prepare Site* clearly states that those substances proposed to be used for site preparation activities will be encompassed under their own CNSC nuclear substance and device licenses and not under the *Licence to Prepare Site*.

¹ Topics are defined, for both Environmental Assessment and *Licence to Prepare Site* in E-DOCS# 3217469.

² *General Nuclear Safety and Control Regulations*

Per Section 2 of the *Nuclear Safety and Control Act*:

"nuclear substance" means:

- a) deuterium, thorium, uranium or an element with an atomic number greater than 92;
- b) a derivative or compound of deuterium, thorium, uranium or of an element with an atomic number greater than 92;
- c) a radioactive nuclide;
- d) a substance that is prescribed as being capable of releasing nuclear energy or as being required for the production or use of nuclear energy;
- e) a radioactive by-product of the development, production or use of nuclear energy; and
- f) a radioactive substance or radioactive thing that was used for the development or production, or in connection with the use, of nuclear energy.

3. Review Procedure

The Review Lead, as identified in the project-specific Assessment Plan, verifies that the information criteria listed in Section 2 has been satisfied and is credible. Where uncertainty exists, Nuclear Substances and Radiation Devices Licensing Division (NSRDLD) and Radiation Protection Division (RPD) are to be consulted.

The review, documentation of assessment results and report approval will be conducted in accordance with the project-specific Assessment Plan. Results of the review will be presented in a Review Report template that is included in the project-specific Assessment Plan. The report is to be approved by the appropriate signing authorities. The approved report will be assigned an E-DOCS number under File 2.01 for the appropriate facility.

4. Evaluation Conclusions and Recommendations

The review report shall contain a statement of whether the information submitted by the applicant has met the requirements of Section 3(1)(c) of the *General Nuclear Safety and Control Regulations*.

If the requirement has not been met, the review report shall contain recommendations for how the applicant can resolve the gap in information. The review report will contribute to the basis for licensing recommendations to the Commission.

5. References

1. *Nuclear Safety and Control Act*
2. *General Nuclear Safety and Control Regulations*
3. *Nuclear Substances and Radiation Devices Regulations*