



## Supplementary Information

## Renseignements supplémentaires

### Written submission from the Royal Military College of Canada

### Mémoire du Collège militaire royal du Canada

In the Matter of the

À l'égard du

#### Royal Military College of Canada

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#### Collège militaire royal du Canada

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Application from the Royal Military College of Canada to renew its non-power reactor operating licence for its SLOWPOKE-2 facility

Demande du Collège militaire royal du Canada concernant le renouvellement de son permis d'exploitation d'un réacteur non producteur de puissance pour l'installation SLOWPOKE-2

Public Hearing - Hearing in writing based on written submissions

Audience publique - Audience fondée sur des mémoires

April 2023

Avril 2023



ROYAL MILITARY COLLEGE OF CANADA · COLLÈGE MILITAIRE ROYAL DU CANADA

PO Box 17000, Station Forces · CP 17000, Succursale Forces · Kingston, Ontario · K7K 7B4

3 May 2023

Mr. Denis Saumure  
Commission Registrar  
Canadian Nuclear Safety Commission  
[Registry-greffe@cnsccsn.gc.ca](mailto:Registry-greffe@cnsccsn.gc.ca)  
P.O. Box 1046, Station B  
280 Slater Street  
Ottawa, ON K1P 5S9  
File # CMD 23-H3.1B

Dear Mr. Saumure,

**Questions from Commission Panel Members –  
SLOWPOKE-2 Facility at the Royal Military College of Canada  
Renewal of Licence NPROL-20.00/2023**

This letter is in response to Table 2 of CMD 23-H3Q dated on 20 April 2023 [1]. Our responses to the questions from the Panel of the Commission are provided in the attached Table.

If you have any questions or if we can provide you with additional information to facilitate your review of this supplementary CMD, then please do not hesitate to contact me or Dr. Paul Chan, the SLOWPOKE Manager.

Sincerely,

M.T.J. Kurtz  
Commodore  
Commandant

c.c.

Dr. P. Bates, Interim Principal, RMC  
Dr. P. Chan, Manager, SLOWPOKE-2 Facility, RMC  
Dr. F. Caron, Professor, SLOWPOKE-2 Facility, RMC  
Dr. P. Samuleev, Director, SLOWPOKE-2 Facility, RMC  
Ms. K. Nielsen, Director-retired, SLOWPOKE-2 Facility, RMC  
Mr. S. Paquette, Radiation Safety Officer, SLOWPOKE-2 Facility, RMC  
LCol R. MacDonnell, Director Operations and Plans, RMC  
Mr. P. Tanguay, Project Officer, CNSC  
Ms. D. Durocher, Tribunal Officer, Commission Registry, CNSC

**Reference:**

1. E-mail from Diane Durocher to Paul Chan, “Questions from the Panel of the Commission - Re: Hearing in Writing - RMC - NPROL-20.00/2033”, CMD 23-H3Q, e-Doc 7021881, 20 April 2023.

**TABLE**

**RMC Responses to Table 2: CMD 23-H3Q Questions for RMC**

#	<b>Commission Panel Questions and RMC Responses:</b>
1.	Must the students who work at the SLOWPOKE facility attend the education and training session on Workplace Hazardous Materials Information System, safety, and introduction to radiation safety? Also, do the students have to pass an exam on the content of the training?
<b>RMC</b>	<p>All students at RMC must complete General Safety Individual and WHMIS 2015 Orientation Courses accompanied by the knowledge test. The RMC RadSO gives students registered in courses that include laboratory work in the SLOWPOKE-2 Facility a radiation safety awareness brief – these students are also under the constant supervision of a certified Reactor Operator while attending the SLOWPOKE-2 facility.</p> <p>Students who conduct (individual) project work requiring access to the SLOWPOKE-2 facility must successfully complete an Ionizing Radiation Safety Awareness course and the associated knowledge test administered by the RMC RadSO.</p>
2.	With respect to Conventional and Nuclear Emergency Preparedness and Response: Who is the ultimate authority at RMC for managing/coordinating an emergency onsite? Off-site?
<b>RMC</b>	<p>The ultimate Authority of personnel at RMC resides with the Commandant. The ultimate Authority which relates to emergency response for the CAF at CFB Kingston is the CFB Kingston Base Commander. Through their Authorities, the Base Commander will manage the responsibility associated with any emergency response and its coordination will occur through the CFB Kingston Base G3 and in conjunction with the support of the RMC Director of Operations and Plans. The BASE G3 would act as the On Scene Commander and coordinate on-site/off-site responses while reporting updates to the Base Commander and the RMC Director of Operations and Plans, who in turn would ensure the RMC C2 is aware. All communication and coordination with off-site authorities and services are also managed/coordinated by the Base G3. In terms of Nuclear Emergency Response, the SLOWPOKE-2 Director and the Radiation Safety Officer report on the readiness of the SLOWPOKE-2 reactor and the radiological hazards to DOP from the onset of any emergency situations, while recommending protective actions/measures (exclusion zones, sheltering in place, evacuation zones) to maintain radiation exposure ALARA (As Low As Reasonably Achievable).</p>
3.	With respect to the Preliminary Decommissioning Plan: describe whether and how lessons learned from the previously decommissioned SLOWPOKE reactors have been incorporated.
<b>RMC</b>	<p>Documents from the Saskatchewan Research Council (SRC) SLOWPOKE-2 reactor decommissioning were used extensively during the preparation of the Preliminary Decommissioning Plan (PDP) for the SLOWPOKE-2 Facility at RMC. They were particularly useful for cost and timeline estimations. Contact with SRC Management on details of the decommissioning experience was made during the PDP preparation.</p>