

Directorate of Nuclear Cycle
and Facilities Regulation

37-5-1-0 / 4.05.02

Telephone: (613) 992-8110

June 16, 2010

Mr. T. Smith
Senior Environmental Specialist
Cameco Corporation
Fuel Services Division
205 Peter Street
Port Hope, Ontario L1A 3V6

**Subject: CNSC Comments on Cameco Response to 12(2) Request for
Information Action Items, Port Granby Waste Management Facility**

Dear Mr Smith,

CNSC staff has reviewed Cameco's submittal "CNSC 12(2) Action Items" and attached draft drawings of the proposed treated effluent pipeline and discharge outfall at the Port Granby Waste Management Facility [1].

The action plan proposed by Cameco to address the actions required following the closure of the 12(2) Request for information, the associated draft modification engineering design of treated effluent pipeline and outfall with a planned timeline have met the CNSC's expectations detailed in CNSC 12(2) Letter of March 4, 2010 [2].

However, CNSC staff can not make further comments and draw conclusions on the draft design of pipeline and outfall prior to receiving the submittal of dispersion modeling details regarding dilution behaviour of COPCs within the mixing zone in the vicinity of outfall and associated risks to the receiving aquatic environment.

To address this, Cameco is expected to submit the dispersion modeling report for CNSC review before finalizing the proposed design of the treated effluent pipeline and discharge outfall.

It is advisable that Cameco discusses the plans for replacement of the treated effluent pipeline and discharge outfall with AECL and see if it can be integrated into AECL's plans for the proposed Long Term Waste Management Facility.

Cameco is still to provide an assessment of the design of the overflow system and available options to cease discharging untreated inflow to Lake Ontario.

Please feel free to contact me if you have any questions.

Sincerely,

M. Kostova
Project Officer
Wastes and Decommissioning Division

cc H. Zhang, J. Thelen (CNSC)

References

- [1] Cameco Letter to CNSC “CNSC 12(2) Action Items”. May 27, 2010. CNSC E-doc: 3554687.
- [2] CNSC Letter to Cameco “Request for Information pursuant to Subsection 12(2) of the *General Nuclear safety and Control Regulations*: Effluent Discharge Releases at Port Granby Waste Management Facility”. May 4, 2010. CNSC E-doc: 3499861.