


Notice of Alteration Form



Client File No. : 1906.20	Environment Act Licence No. : 973
Legal name of the Licencee: Tantalum Mining Corporation of Canada Ltd.	
Name of the development: Filter Press Installation	
Category and Type of development per Classes of Development Regulation: Mining <input type="button" value="v"/> <SELECT>	
Licencee Contact Person: Joey Champagne Mailing address of the Licencee: P.O. Box 2000 City: Lac du Bonnet Province: Manitoba Postal Code: R0E 1A0 Phone Number: (204) 884-2400 Fax: (204) 884-2211 Email: Joey.champagne@sinominecorp.com	
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Not applicable	
Phone: Fax:	Mailing address:
Email address:	
Short Description of Alteration (max 90 characters): Install filter press which will treat contents of batch evaporator (T-15).	
Alteration fee attached: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
If No, please explain: Installation of filter does not generate any new emissions. The process already exists.	
Date: 2020-09-14	Signature:  Printed name: Joey Champagne
<p>A complete Notice of Alteration (NoA) consists of the following components:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Cover letter <input type="checkbox"/> Notice of Alteration Form <input type="checkbox"/> 2 hard copies and 1 electronic copy of the NoA detailed report (see "Information Bulletin - Alteration to Developments with Environment Act Licences") <input type="checkbox"/> \$500 Application fee, if applicable (Cheque, payable to the Minister of Finance) 	
<p>Submit the complete NoA to:</p> <p>Director Environmental Approvals Branch Manitoba Sustainable Development 1007 Century Street Winnipeg, Manitoba R3H 0W4</p> <p>For more information:</p> <p>Phone: (204) 945-8321 Fax: (204) 945-5229 http://www.gov.mb.ca/sd/ea/</p>	
<p>Note: Per Section 14(3) of the Environment Act, Major Notices of Alteration must be filed through submission of an Environment Act Proposal Form (see "Information Bulletin – Environment Act Proposal Report Guidelines")</p>	

PHONE 204-884-2400
FAX 204-884-2211



TRADE NAME
TANCO

Tantalum Mining Corporation of Canada Limited

BOX 2000, LAC DU BONNET
MANITOBA, CANADA R0E 1A0

September 14, 2020

Ms. Jennifer Winsor
Department of Sustainable Development
Environmental Approvals Branch
Manitoba Conservation
1007 Century Street
WINNIPEG, Manitoba, Canada
R3H 0W4

Re: NOA for Filter Press Installation

Dear Ms. Winsor:

Tanco wishes to install a filter press within its process which will allow for the removal of aluminum contaminants prior to being sent to FCC assets. Removing aluminum prior to FCC removes the need to flush out equipment between individual FCC process stages, reducing overall production batch time.

The aluminum removal process is currently occurring in the plant without the filter press. Installing the filter press has the potential to increase annual production by up to 30%. The reduction in down time will be recognized by the removal of a process flushing steps for Aluminum.

The addition of the filter press to the process will not create any changes to the chemistry or characteristics of plant waste.

We appreciate your assistance with this matter and if you have any questions, please do not hesitate to contact myself at (204) 884-2400 extension 201 for more information.

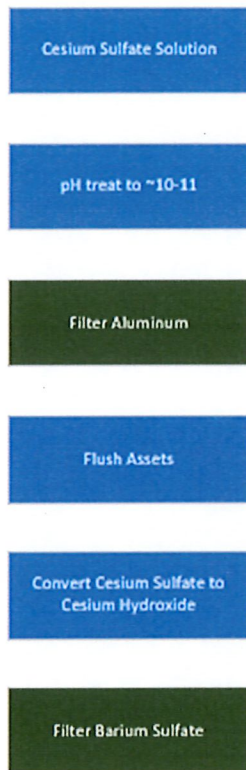
Sincerely,

Joey Champagne
Facility General Manager
Tantalum Mining Corporation of Canada Limited

T-15 Filter Press Installation NOA Detailed Report

We are looking into the option to streamline our process by installing a simple plate and membrane filter press between two tanks to avoid having to reuse the same asset for the multiple functions.

The current process is shown in diagram below. In this process, we utilize a single filter press for both aluminum and barium sulphate removal (green blocks). This requires us to flush the filter and associated assets in between the aluminum and barium sulphate removal stages. Flushing assets typically requires 4 days for proper decontamination.



By adding a new filter press to the process, we eliminate the need for the 4-day flushing process and eliminate potential product contamination.

The change of adding another filter press does not change any aspect or characteristic of the overall plant waste. As a result, there is no expected impact to the environment. The plant potentially gains 30% to its capacity, however the additional capacity is not required at this time.