


Notice of Alteration Form

Dangerous Goods Handling and
Transportation Act Licence



Client File No. :	DGH&TA Licence No. : 58 HW S2 RRRR
Legal name of the Licencee: Miller Environmental Corporation	
Name of the FACILITY: Manitoba Environmental Centre	
Type of Activity: Expansion to current processing cell area.	
Licencee Contact Person: Dave Howes Mailing address of the Licencee: 1803 Hekla Avenue City: Winnipeg Province: MB Postal Code: R3N 0T1 Phone Number: (204) 925-9604 Fax: (204) 925-9601 Email: daveh@millerenvironmental.mb.ca	
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Dave Howes	
Phone: (204) 925-9604	Mailing address: 1803 Hekla Avenue, Winnipeg, MB R3N 0T1
Fax: (204) 925-9601	
Email address: daveh@millerenvironmental.mb.ca	
Description of Alteration (<i>max 150 characters</i>): Expansion to current processing cell area (cell 5). Bulk unloading cell area developed to enhance management of external deliveries.	
Date: 2019-06-12	Signature: 
Printed name: Dave Howes	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <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 reports/plans supporting the alteration to the facility </div> <div style="width: 45%;"> <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/eal</p> </div> </div>	



Miller Environmental Corporation

1803 Hekla Avenue
Winnipeg, Manitoba R2R 0K3
Tel. (204) 925-9600 Fax (204) 925-9601

Committed to Leadership in Our Industry

June 10, 2019

Manitoba Sustainable Development
Environmental Approvals
1007 Century Street
Winnipeg, MB R3H 0W4

Attn: Cordella Friesen – Assistant Deputy Minister

Dear Ms. Friesen:

RE: Processing Cell Expansion - License DGHTA No. 58 HW S2 RRRR

Please accept this as Miller Environmental Corporation's (Miller) notification of expansion to our current processing cell area as regulated under the issued Dangerous Goods Handling & Transportation Act License No. 58 HW S2 RRRR (licence).

Cell 5

Cell 5 is a new processing cell which utilizes the insitu clay as a liner. Half of the cell also has geogrid and gravel placed on top of the clay to serve as a staging area. The west side of the cell will be used to mix soil with waste material. Selection of the location of the cell was based on Shelby tube samples that were pushed by Dillon consulting in 2017 and AECOM in 2014 which both found the clay in the area had a hydraulic conductivity less than 1×10^{-8} cm/s. A concrete loading dock will also be constructed on a gravel pad south of the gravel storage area. The ramp will be used to unload trailers, and is also underlain with clay.

A compacted clay berm was built on the south side of the cell, while all other sides make use of the surrounding compacted clay berms from RC1, cell 4 and the north access road. The leachate of the cell collects in two places – the northeast corner of the processing area and the northeast corner of the gravel pad area. These two sumps keep the leachate separate. A secondary gated culvert will also be installed to act as an additional means of containment.

Bulk Unloading Cell

The bulk unloading cell is a recompacted clay lined cell that holds three shale bins. Bulk trucks will dump into the bins which will allow the solids to separate from the liquids. An excavator will load out the solids from one of the two berms between the bins. The bins are piped to a compacted clay lined overflow pit so that they will naturally drain when reaching capacity.

The bins will be sitting on a 5% slope to help the solids separate. A lift of A Base gravel was also placed below each bin on top of the clay. Each tank will have a piece of flex-hose attached to a 200 mm HDPE header pipe which will be sloped at 1 % towards the overflow pit.

We have made arrangements to have Cory Graham, Manitoba Sustainable Development, on site Tuesday, June 11th to be present for Shelby tube testing as per clause 33 of Miller's licence. We are also in the process of initiating an engineering firm to provide stamped design plans as per clause 30 of Miller's licence.

If you have any questions, please feel free to contact me at 204-925-9604 or by email at daveh@millerenvironmental.mb.ca.

Sincerely yours,

Miller Environmental Corporation

A handwritten signature in black ink, appearing to read 'Dave Howes', with a stylized flourish at the end.

Dave Howes

Director of Regulatory Affairs

CC: Cory Graham – Manitoba Sustainable Development
Paul Bauer – Vice President/General Manager, Miller Environmental Corporation
Yolo Ortiz – Operations Manager, Miller Environmental Corporation



New Scale and Relocated Training Centre

Gated Culvert

North Access Road

Cell 5

Vacuum Truck Cell

Containment Berms for Leachate Control

Process Area

Clay Lined Overflow Pit

New Office and Shower Building

RC1-1 Repository (60 mil HDPE)

RC1
(Temporary Cap)

Gravel Storage Pad

Soil

Catalyst

Shale Bins

Silt Area

Staging Cell

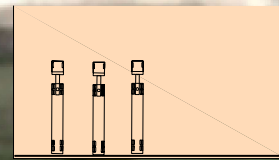
Leachate Pond Cell

Monitoring Well

Mixing Pits

Loading Dock Ramp

Retention Pond

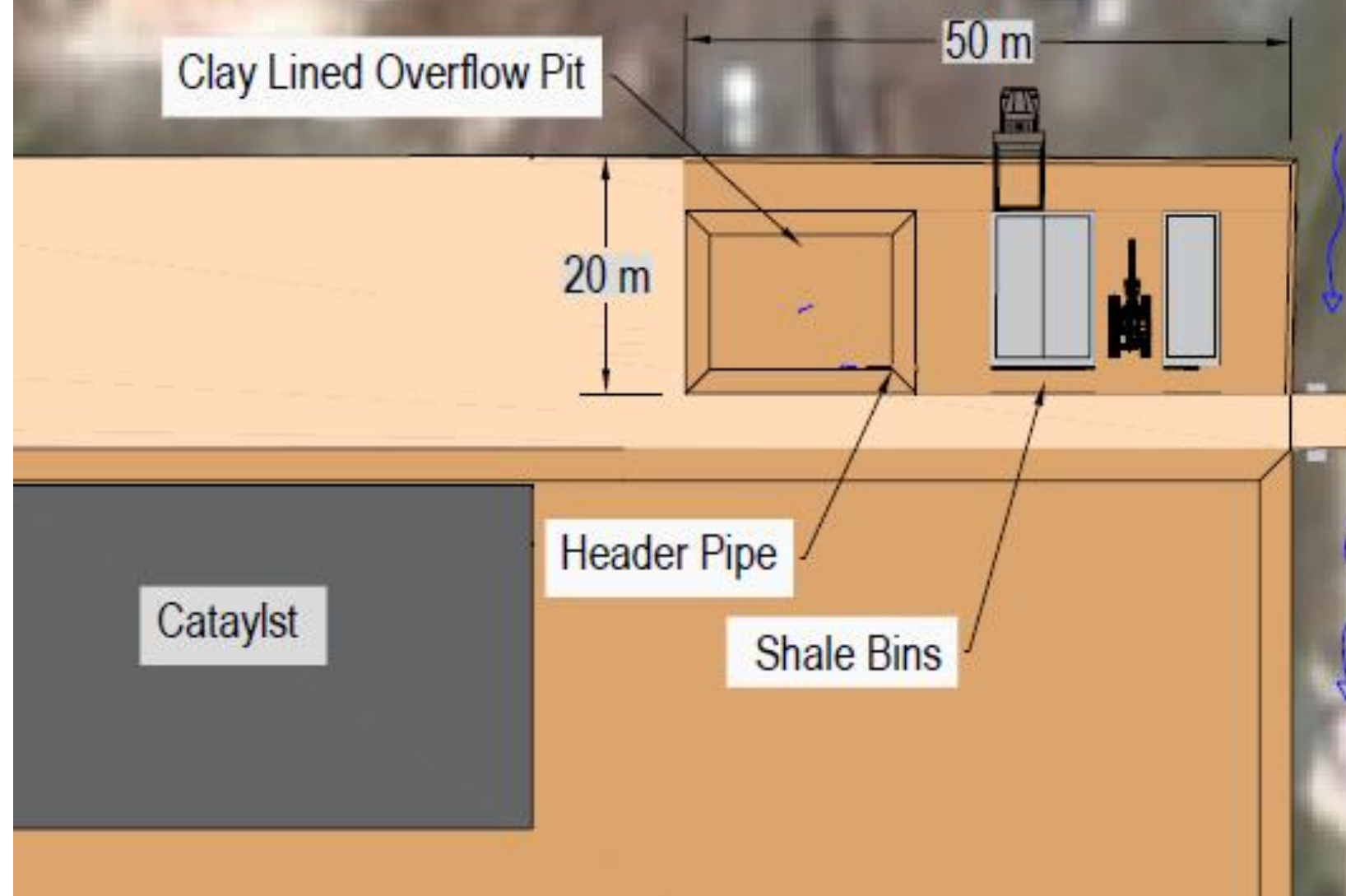


50 m

Cell 5



Vacuum Truck Cell



50 m