

## Bajwa, Mehak

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**From:** Dave Howes <daveh@millerenvironmental.mb.ca>  
**Sent:** March 7, 2025 8:32 AM  
**To:** Wittmann, Agnes; Bajwa, Mehak  
**Subject:** Notice of Alteration Updates - Miller Environmental Corporation

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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Hi Agnes and Mehak,

Thanks for the department's update on the list of notice of alteration submissions in our quarterly meeting this week. After our review, we would like to retract the following notice of alteration submissions:

- Containment Pad (VBEC)
- Wastewater Treatment Facility (Hekla location)
- SB1 Oxidizer Staging (VBEC)

As per our discussion in the meeting, we would also like to request an extension for the Leachate Crop Irrigation Pilot Project.

If you require anything else, please let me know. Thanks.

**Dave Howes**

Director of Regulatory Affairs

[Miller Environmental Corporation](#)

ISO 9001 & 14001 & 45001 & COR

1803 Hekla Avenue, Winnipeg, MB R2R 0K3

Mobile: 204-771-2004



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March 29, 2023

Manitoba Environment and Climate  
Environmental Compliance & Enforcement Branch  
Box 36, 14 Fultz Blvd  
Winnipeg, MB R3Y 0L6

Attention: James Capotosto – Director, Environmental Approvals Branch

Dear Mr. Capotosto:

RE: Wastewater Treatment Facility – Dangerous Goods Handling and Transportation Act Licence 211 HW RR

Please accept this as Miller Environmental Corporation's (Miller) notification for the installation of a wastewater treatment facility as regulated under the issued Dangerous Goods Handling & Transportation Act Licence No. 211 HW RR (licence).

Miller receives wastewater from many different business waste streams. Projected annual volumes of wastewater that could be treated with a simple flocculation and filtration system is currently estimated to be 6,000,000 L. Constructing this facility at Miller's 1803 Hekla Avenue location will allow water that currently needs to be shipped to other wastewater treatment facilities be treated at Miller's facility while greatly reducing logistics and increasing processing efficiencies. The facility will be set up utilizing the household hazardous waste stewardship depot identified in Miller's licence (Refer to "Proposed Water Treatment Area" in Appendix A – 1803 Hekla Avenue Site Map). The proposed water treatment process is as follows:

- The process starts with wastewater stored in frac tanks and pumped into treatment tanks.
- Once in the tanks, the treatment starts with the mixing of flocculant (floc) using the mixer/agitator until flocculation is complete.
- The water and floc are pumped into the CE-800 automatic wastewater treatment filtering machine (Refer to Appendix B – CE-800 Filtering Machine).
- The water and floc flow through the filter paper of the CE-800 with the estimated max flow rate of 150 litres per minute.
- A roller squeezes out the solids into a bin (used only for sludge/solid waste) and the treated water is pumped into a treated water frac tank. Sludges/solid waste will be shipped to Miller southern processing facility to be either integrated into other treatment processes or placed in Miller repository cell.

Miller will be working with an engineering consultant to provide the engineered drawings and construction details to support the wastewater treatment facility installation. To ensure this project is completed in the short summer window, Miller would like to propose submitting the conceptual design drawing (Refer to Appendix C – Wastewater Treatment Facility Conceptual Drawing) with the Notice of Alteration (Refer to Appendix D – Notice of Alteration) and have the stamped engineering design drawings submitted as the final as-built drawings.



**Miller Environmental Corporation**

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

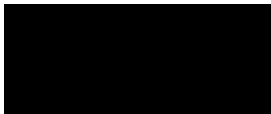
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*Committed to Leadership in Our Industry*

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

Sincerely yours,

**Miller Environmental Corporation**



Dave Howes  
Director of Regulatory Affairs

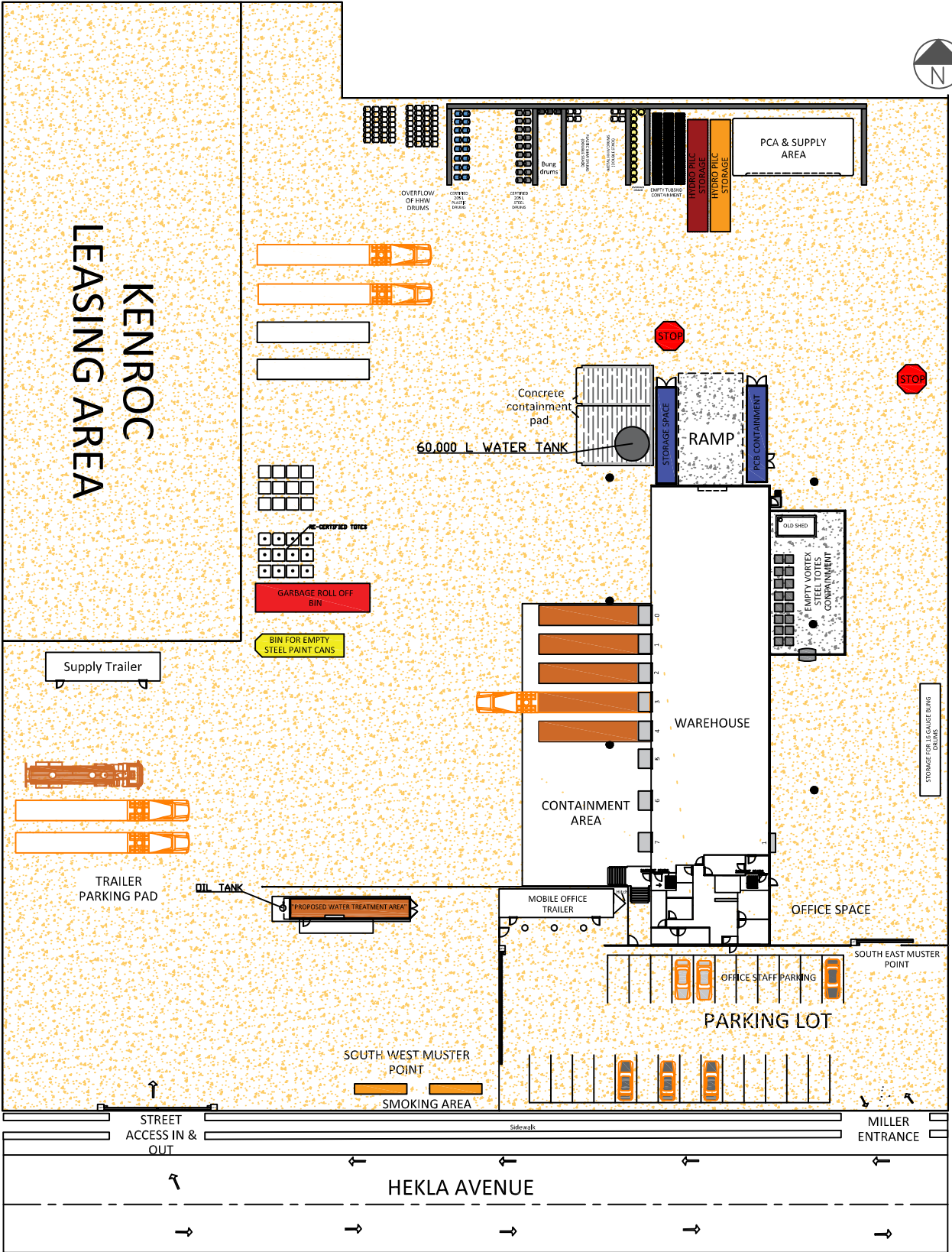
CC: Katie Martin – Environment Officer, Manitoba Environment and Climate  
Paul Bauer – Vice President & General Manager, Miller Environmental Corporation  
Yolo Ortiz – Operations Manager, Miller Environmental Corporation

**Appendix A – 1803 Hekla Avenue Site Map**

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Miller Environmental Corporation - 1803 Hekla Ave. Site Map



LEGEND

STOP SIGN

MANHOLE

## **Appendix B – CE-800 Filtering Machine**

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# Filter Equipment To Be Used

Filter Machine: CE-800 Automatic Wastewater Treatment

(Ringwood Environmental Wastewater Products)

- 2400 gph = 151 liter/per min.

Ringwood Environmental Wastewater Products

**CE-800**  
*Automatic Wastewater Treatment*

**Standard Features**

- Fully Automatic Operation with Manual Overrides
- Maximum Throughput: 2400 gph
- 800-Gallon Treatment Tank
- Allen Bradley Micrologix PLC Controls
- U.L. Approved Control Panel
- Dual 3 Horsepower Heavy Duty Agitators with Jet Baskets
- Treatment Tank Auto Washdown
- Pre-Plumbed for Effluent Pump
- Automatic Chemical Feed System with 300 lb. Hopper, Complete with 2000 lb. Superbag Support Frame
- Double Rollers for Greater Dewatering
- **Equipment Measurements:** Length: 11'3", Width: 9'4", Height: 12'11", Weight: 5,000 lbs.



**Optional Features**

- 3.5 Cubic Yard Dumpster with False Bottom for Dewatering
- pH Control System for Treatment Tank
- Stainless Steel Construction
- 3" Cast Iron Influent Diaphragm Pump
- 2" Aluminum Effluent Diaphragm Pump
- Auto Washdown for Filtrate Tank
- Equalization and Reuse Tanks

*Ringwood's wastewater treatment units optimize the use of clay based flocculants to clarify industrial wastewaters.*

**Ringwood Environmental, Inc. Wastewater Products**  
6715 West 73rd Street • Bedford Park, IL 60638 • 708.458.6000 • FAX 708.458.1051

CE-800

www.ringwoodenvironmental.com

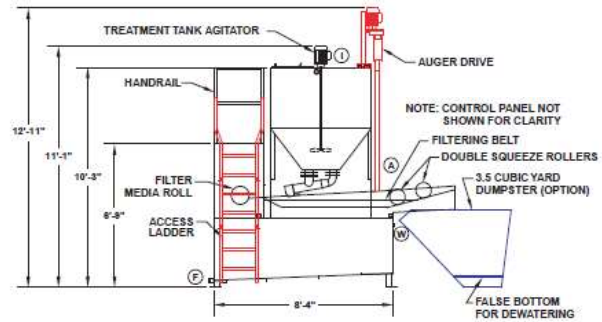
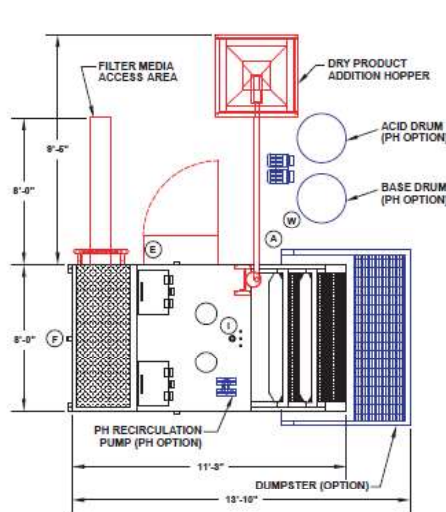


# CE-800

## Automatic Wastewater Treatment



NOTE: Items in **RED** are standard equipment that can be located on either side of the CE-800. Items in **BLUE** are optional equipment.



### Service Requirements

- E** 480 VAC, 30 AMP, Grounded, 3 Phase Power Terminated at the Disconnect in the CE-800 Control Panel.
- A** 1" FNPT Air Supply Connection. 80-100 PSI, Clean, Dry, Air Required, With Locking Handle Valve on Service Line.
- W** 1" FNPT City Water Supply Connection. 30 PSI Required, With Locking Handle Valve on Service Line.
- I** 3" FNPT Influent Water Inlet Connection.
- F** 2" MNPT Effluent Water Discharge Connection.

## Ringwood Environmental, Inc. Wastewater Products

6715 West 73rd Street • Bedford Park, IL 60638 • 708.458.6000 • FAX 708.458.1051

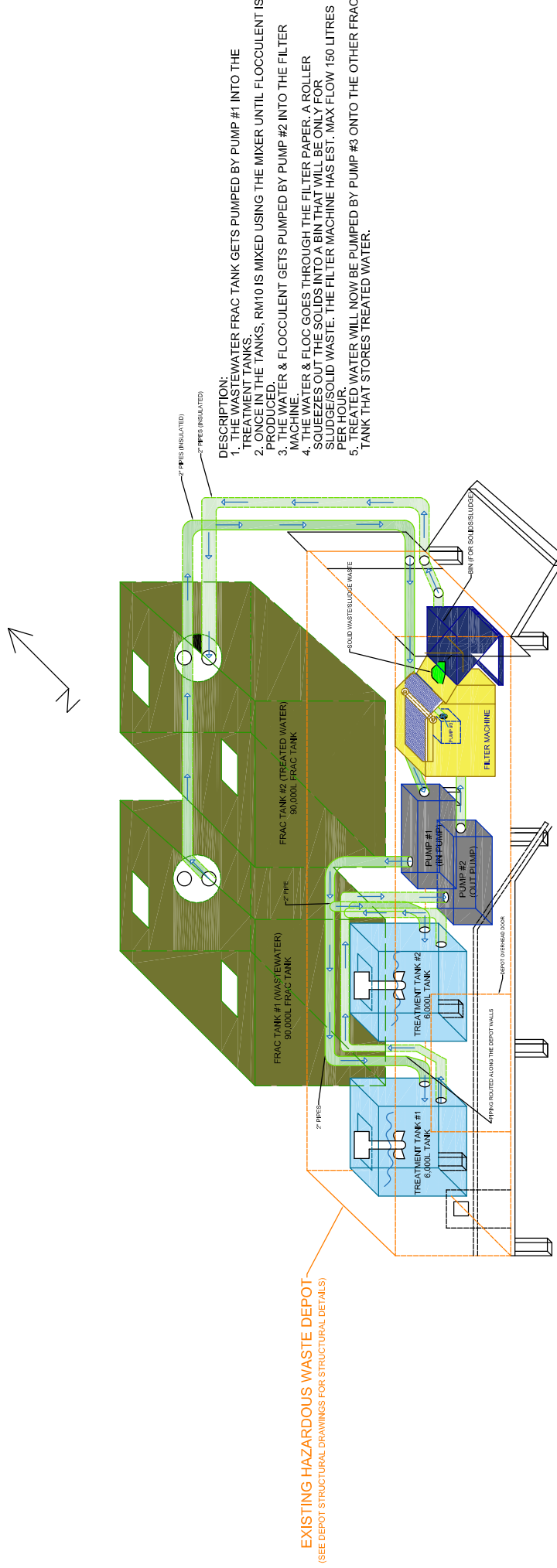
www.ringwoodenvironmental.com

CE-800



## **Appendix C - Wastewater Treatment Facility Conceptual Drawing**

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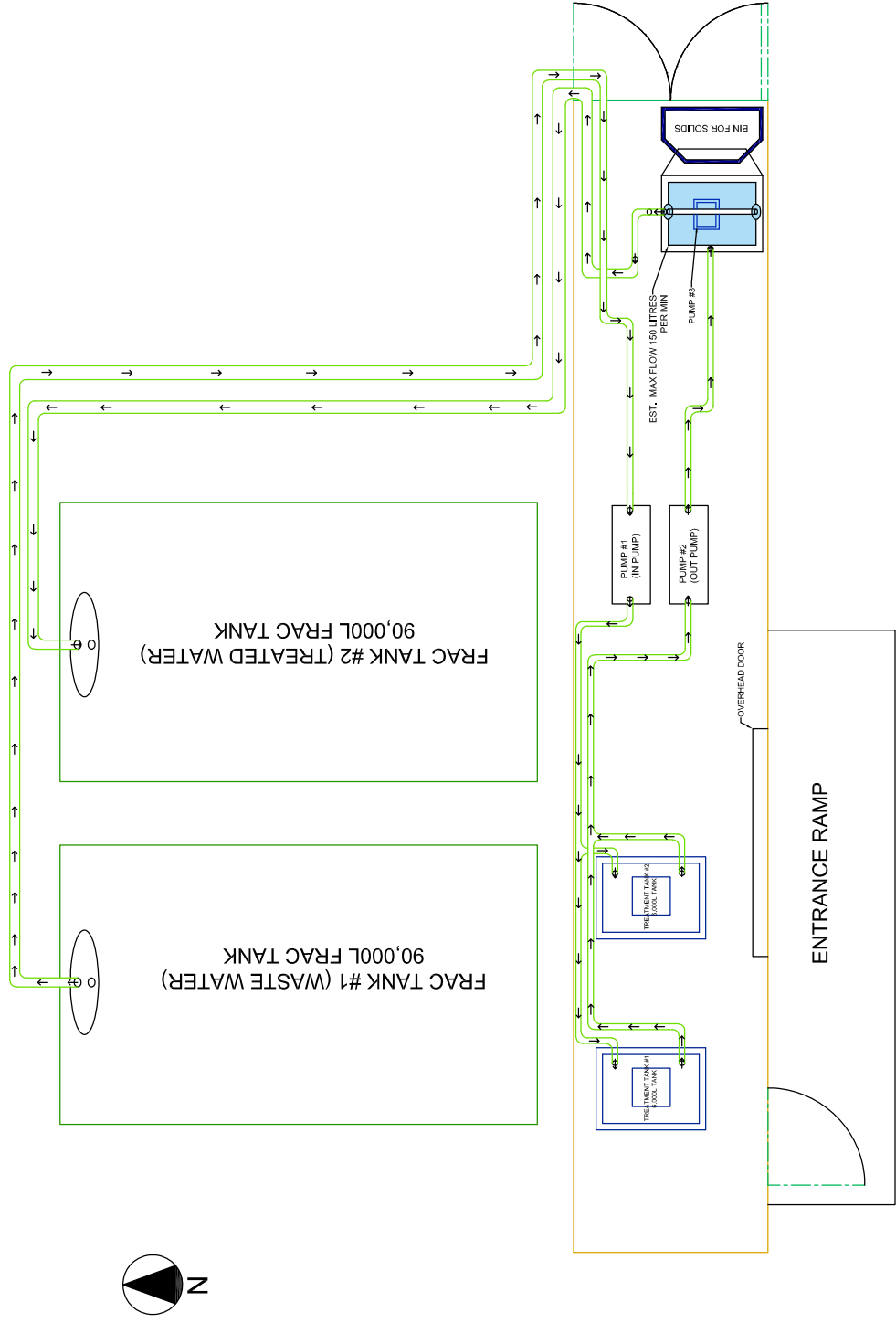
EXISTING HAZARDOUS WASTE DEPOT  
(SEE DEPOT STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS)

## CONCEPTUAL 3D VIEW



## MILLER ENVIRONMENTAL WATER TREATMENT PLANT DRAWING

BY : LAWRENCE ILIAS  
DATE : 2023-01-03




## CONCEPTUAL PLAN VIEW

**Appendix D – Notice of Alteration**



# Notice of Alteration Form

Client File No. :	Environment Act Licence No. : 211 HW RR		
Legal name of the Licencee: Miller Environmental Corporation			
Name of the development: Miller Environmental Corporation			
Category and Type of development per Classes of Development Regulation: Waste Treatment and Disposal <SELECT>			
Licencee Contact Person: Dave Howes Mailing address of the Licencee: 1803 Hekla Avenue City: Winnipeg Province: MB Postal Code: R3N0T1 Phone Number: (204) 925-9604 Fax: Email: daveh@millerenvironmental.mb.ca			
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Dave Howes			
Phone: (204) 925-9504 Fax:		Mailing address: 1803 Hekla Avenue, Winnipeg, MB R3N 0T1	
Email address: daveh@millerenvironmental.mb.ca			
Short Description of Alteration (max 90 characters): Construction of wastewater treatment facility.			
Alteration fee attached: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
If No, please explain: TBD			
Date: 2023-03-29	Signature:  Printed name: Dave Howes		
A complete Notice of Alteration (NoA) consists of the following components: <input checked="" type="checkbox"/> <b>Cover letter</b> <input checked="" type="checkbox"/> <b>Notice of Alteration Form</b> <input type="checkbox"/> <b>2 hard copies and 1 electronic copy of the NoA detailed report</b> (see " <a href="#">Information Bulletin - Alteration to Developments with Environment Act Licences</a> ") <input type="checkbox"/> <b>\$500 Application fee, if applicable</b> (Cheque, payable to the Minister of Finance)		<b>Submit the complete NoA to:</b> Director Environmental Approvals Branch Manitoba Sustainable Development 1007 Century Street Winnipeg, Manitoba R3H 0W4 <b>For more information:</b> Phone: (204) 945-8321 Fax: (204) 945-5229 <a href="http://www.gov.mb.ca/sd/eal">http://www.gov.mb.ca/sd/eal</a>	
<b>Note: Per Section 14(3) of the Environment Act, Major Notices of Alteration must be filed through submission of an <a href="#">Environment Act Proposal Form</a> (see "<a href="#">Information Bulletin – Environment Act Proposal Report Guidelines</a>")</b>			