



14 March 2017

Client File No.: 4320.00
License No.: 69HW

Government of Manitoba
Manitoba Sustainable Development, Environmental Approvals
160-123 Main Street
Winnipeg, Manitoba R3C 1A5

Attention: Ms. Cory Switzer, P.Eng. Environmental Approvals

Reference: Notice of Alteration Form
Dangerous Good Handling and Transportation Act License – 69HW RR
1090 Kenaston Boulevard
Winnipeg, Manitoba

INTRODUCTION

GFL Environmental Inc. (GFL) submits this letter, completed Notice of Alteration, and enclosed supporting documentation in response to items discussed during a meeting with Manitoba Sustainable Development on 14 February 2017 regarding the current and proposed operations of GFL's 1090 Kenaston Boulevard location in Winnipeg, Manitoba. (MB). The completed Notice of Alteration Form is provided in Attachment 1. License No. 69HW was originally issued on 04 September 1998 with updates published in 2001 and 2002. The original license application was for the collection, processing and blending of used lubricating oil and flammable waste liquids. Market conditions, applicable regulations and industry standards have changed since the original license application and consequently, GFL is looking to expand its service offerings in Manitoba similar to the current operations in our Saskatoon, Saskatchewan office. GFL requests this Notice of Alteration to be in place until 31 December 2017, at which time a new license will be complete and in force. A timeline for the submission of a new application for the GFL Winnipeg operations is noted below.

GFL prepared a letter dated 02 June 2016 requesting a license name change as well outlined the current operations of the facility including the hazardous waste streams accepted at the facility. Further correspondence was provided to Manitoba Conservation in August 2017 regarding the operation of the wastewater treatment plant. Current and forecasted operations are summarized below.

ABOVEGROUND STORAGE TANKS (ASTS)

Aboveground storage tanks (ASTs) located on the property are currently used for the temporary storage of used glycol, used lubricating oil and waste flammable liquids. Received products are stored, blended and sold to GFL customers or recyclers to be made into reusable products. The current AST infrastructure is summarized below.

- 2 – 640,000 Litre vertical single walled steel tanks identified as Tank F1 and F2.
- 6 – 120,000 Litre vertical single walled steel tanks identified as Tanks K1 to K6.
- 6 – 124,500 Litre vertical single walled steel tanks identified as Tanks K7 to K12.
- 4 – 60,000 Litre vertical single walled steel tanks identified as Tanks P1 to P4.
- 4 – 15,230 Litre vertical single walled steel tanks identified as Tanks P5 to P8.

At this time, the total volume available for processing and blending within the ASTs is approximately 3,050,000 L. This volume is currently meeting our needs and is not expected to be expanded in the near future.

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WASTEWATER TREATMENT PLAN

A Ringwood Environmental Inc. Model CE-400 water treatment system treats non-regulated, non-hazardous industrial wastewater generated within GFL's operations and from third party receivers. Treatment utilizes pH adjustment and bentonite clay based flocculants to concentrate contaminants so they can be filtered and removed. Following flocculation, treated water is pumped through a two stage activated carbon canister system prior to being pumped to a polishing tank. Bulk loads of treated water are transported to the City of Winnipeg Wastewater Treatment Plant for further treatment. Waste sludge generated during the treatment process is packaged and transported to GFL Saskatoon for processing and disposal. GFL has received approval from Manitoba Sustainable Development for the direct discharge to the City of Winnipeg Sewer system, however at this time, the capital cost for the upgrades is not cost effective. The current tank infrastructure associated with the wastewater treatment plant is summarized below.

- 3 – 12,000 Litre vertical polyethylene tanks identified as Tanks T1 to T3.
- 3 – 20,000 Litre vertical polyethylene tanks identified as Tanks T4, T6 and T7.
- 1 - 10,000 Litre cone bottom polyethylene tank, identified as Tank T8.
- 1 – 22,000 Litre vertical polyethylene tank identified as Tank T9.
- 2 – 31,000 Litre vertical single walled steel tanks identified as Tank S1 and S2.

Currently, the total tankage volume available for treatment within the wastewater treatment building is 190,000 L. This volume is currently meeting our needs and is not expected to be expanded in the near future.

WASTE AND RECYCLABLES

As outlined in our letter of June 2016, GFL receives hazardous and non-hazardous waste and recyclables from commercial, industrial, institutional and retail operations across Manitoba as well as from other GFL locations and non-GFL generators in Manitoba. As discussed, waste received at the site may include the following:

- Class 2 – Compressed gasses (all subclasses);
- Class 3 – Flammable Liquids (all subclasses);
- Class 4 – Flammable solids, spontaneous combustive, water reactive (all subclasses);
- Class 5 – Oxidizing substances and organic peroxides (all subclasses);
- Class 6 – Toxic and infectious substances (only Class 6.1 accepted);
- Class 8 – Corrosives (all subclasses);
- Class 9 – Environmentally Hazardous Substances; and
- Used lubricating oil, filters and plastics.

GFL does not accept Class 1 (Explosives), Class 6.2 (Infectious substances), Class 7 (Radioactive materials) or materials regulated under the Canadian Nuclear Safety Board. Additionally, waste materials containing a concentration of total polychlorinated biphenyls (PCBs) greater than 2 parts per million (ppm) are not accepted by the Facility. Wastes collected by GFL personnel and delivered to our facility are either bulked into the ASTs by compatibility or repackaged and transferred into dry vans for shipment to our Saskatoon facility for final processing, bulking, recycling and disposal. Aerosol cans, Class 3 flammable liquids, used lubricating oils and filters are currently processed at the Facility.

A summary of the expected volumes of waste estimated to be received at the facility on a monthly and annual basis is provided in Table 1. GFL will provide actual volumes of waste received by waste classification in the required annual reports.

Notice of Alteration Form

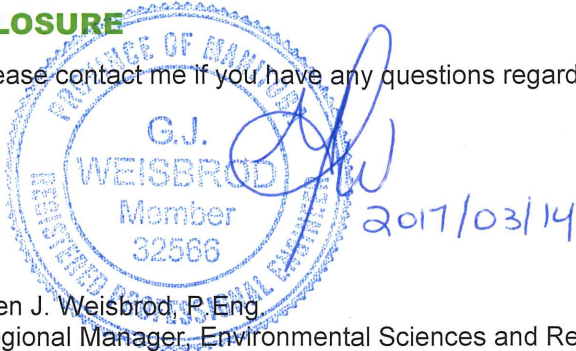
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NEW APPLICATION SUBMISSION

GFL and Manitoba Sustainable Development have been corresponding over for the last 10 months to update License 69HW RR to reflect the current and forecasted operations. During the 14 February meeting it was confirmed by Manitoba Sustainable Development that a new License application should be prepared to ensure all current and proposed activities are under the conditions of current regulations. GFL has commenced on the preparation of the new application and proposes to have the application documents submitted to Manitoba Sustainable Development for their review and comment on or before 30 May 2017. This allows substantial time for necessary revision and resubmission of documents prior to the expiry of the Notice of Alteration on 31 December 2017.

CLOSURE

Please contact me if you have any questions regarding the enclosed or require any further information.



Glen J. Weisbrod, P. Eng
Regional Manager, Environmental Sciences and Remediation Services

Tables:

Table 1 – Summary of Estimated Waste Volumes

Attachments:

Attachment 1 – Notice of Alteration Form

TABLES



TABLE 1: SUMMARY OF ESTIMATED WASTE VOLUMES BY WASTE CLASS			
Class	Description	Estimated Volume per Month	Estimated Annual Volume
1	Explosives	Class 1 waste will not be accepted.	N/A
2	Gases		
	2.1 - Flammable gasses	10 x 205L drum equivalents	120 x 205L drum equivalents
	2.2 - Non Flammable, non toxic gases	5 x 205L drum equivalents	60 x 205L drum equivalents
	2.3 - Toxic gases	-	5 x 20L pail equivalents
3	Flammable Liquids		
	Packaging Group I	-	5 x 20L pail equivalents
	Packaging Group II	90,000L	1,000,000L
	Packaging Group III	210,000L	2,500,000L
4	Flammable Solids, Spontaneous Combustion, Water Reactive		
	4.1 - Flammable solids	20 x 205L drum equivalents	240 x 205L drum equivalents
	4.2 - Spontaneous combustion substances	-	5 x 20L – PG I
	4.3 - Water reactive substances	-	5 x 20L – PG I
5	Oxidizing Substances and Organic Peroxides		
	5.1 - Oxidizing substances	2 x 205L drum equivalents	24 x 205L drum equivalents
	5.2 - Organic peroxides	-	5 x 20L pail equivalents
6	Toxic and Infectious Substances		
	6.1 - Toxic Substances	2 x 205L drum equivalents	24 x 205L drum equivalents
	6.2 - Infectious Substances	Class 6.2 waste will not be accepted	N/A
7	Radioactive Materials	Class 7 waste will not be accepted	N/A
8	Corrosives	10 x 205L drum equivalents	120 x 205L drum equivalents
9	Miscellaneous Products	5 x 205L drum equivalents	60 x 205L drum equivalents
NR	Used lubricating oil	1,200,000L	13,000,000L

Attachment 1:
Notice of Alteration Form



Notice of Alteration Form

Dangerous Goods Handling and
Transportation Act Licence



Client File No. : 4320.00		DGH&TA Licence No. : 69HW RR	
Legal name of the Licencee: GFL Environmental Inc.			
Name of the FACILITY: 1090 Kenaston Blvd, Winnipeg, Manitoba			
Type of Activity: Operation of a hazardous waste collection, processing, recycling and storage facility and a wastewater treatment facility.			
Licencee Contact Person: Glen J. Weisbrod, P.Eng., Regional Manager - Environmental Services			
Mailing address of the Licencee: PO Box 25055			
City: Saskatoon		Province: Saskatchewan Postal Code: S7K 8B7	
Phone Number: (306) 244-9500		Fax: Email: gweisbrod@gflenv.com	
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Glen Weisbrod, P.Eng., Regional Manager - Environmental Services			
Phone: (306) 244-9500		Mailing address: PO Box 25055	
Fax:		Saskatoon, SK, S7K 8B7	
Email address: gweisbrod@gflenv.com			
Description of Alteration (max 150 characters): See attached cover letter outlining operations, anticipated waste volumes and estimated time-lines.			
Date: 2017-03-08	Signature:  2017/03/14 Printed name: Glen J. Weisbrod, P.Eng., Regional Manager		
A complete Notice of Alteration (NoA) consists of the following components: <input checked="" type="checkbox"/> Cover letter <input checked="" type="checkbox"/> Notice of Alteration Form <input checked="" type="checkbox"/> 4 hard copies and 1 electronic copy of the reports/plans supporting the alteration to the facility		Submit the complete NOA to: Director Environmental Approvals Branch Manitoba Sustainable Development Suite 160, 123 Main Street Winnipeg, Manitoba R3C 1A5 For more information: Phone: (204) 945-8321 Fax: (204) 945-5229 http://www.gov.mb.ca/sd/eal	

