

Elaine Briere - MVLWB

From: Tyree Mullaney [tyree@mvlwb.com]
Sent: Thursday, March 11, 2010 2:00 PM
To: permits@mvlwb.com
Subject: FW: Annual Report - Yellowknife Airport
Attachments: DOTYZFAnnualReport-09-MV2001L3-0012.pdf; 2009 Annual Report Cover.pdf

Please post to the registry.

Thanks

Tyree Mullaney

Regulatory Officer
Mackenzie Valley Land and Water Board
7th Floor, 4922 48th St, PO Box 2130 | Yellowknife, NT | X1A 2P6
ph 867.766.7471/867.669.0506 | fax 867.873.6610
tyree@mvlwb.com | www.mvlwb.com



From: Brian Collins [mailto:Brian_Collins@gov.nt.ca]
Sent: March-11-10 1:41 PM
To: Tyree Mullaney
Cc: Michael.Martin@inac-ainc.gc.ca; Steve Loutitt; Rhonda Batchelor
Subject: Annual Report - Yellowknife Airport

Good afternoon, Tyree

Attached is a cover letter and report submitted in accordance with Part B, Item 1 of Water Licence MV2001L3-0012

Please let me know if you have any questions or concerns.

Brian Collins

*Environmental Analyst - Regulatory
Planning, Policy, and Environment
Dept. of Transportation, GNWT
Ph. 867-920-8756
Fax. 867.920.2565*



March 11, 2010

Tyree Mullaney
Regulatory Officer
Mackenzie Valley Land and Water Board
P.O. Box 2130
7th Floor – 4922 48th Street
Yellowknife, NT X1A 2P6

Annual Report, Yellowknife Airport Water Licence MV2001L3-0012

Attached please find the above noted annual report as required by Part B, Item 1 of the water licence.

I trust that you will find the report to be complete and in compliance with the water licence conditions.

If you have any questions or require further clarification, please contact me at 920-8756.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brian Collins", is written over the word "Sincerely".

Brian Collins
Environmental Analyst - Regulatory
Planning, Policy and Environment

cc: Michael Martin, Water Resource Officer

Steve Loutitt, Regional Airport Manager

**DEPARTMENT OF TRANSPORTATION
GOVERNMENT OF THE NORTHWEST TERRITORIES**

**MV2001L3-0012
Yellowknife Airport (YZF) Annual Report
2009**



**March 2010
Planning, Policy and Environment Division
Department of Transportation**

1.0 Introduction

In accordance with Yellowknife Airport's Water Licence MV2001L3-0012, the Department of Transportation (DOT) is required to submit an Annual Report as of March 31 of the year following the calendar year reported. This report fulfills those requirements for the calendar year 2009 as required by Part B of that water licence.

2.0 Monthly and annual quantities of water obtained from all sources;

The Yellowknife Airport (YZF) obtains water from two sources. Potable water is delivered by truck from the City of Yellowknife. Non-potable water is pumped directly from Long Lake.

Potable water is delivered to three locations: the Airport Terminal Building, Maintenance Garage, and Fire Hall. A total of 1,066 cubic metres of potable water was delivered to YZF during the 2009 calendar year. Quarterly use is detailed in Table 1 below.

Table 1: Potable Water Use

Recording Period	Airport Terminal Building	Maintenance Garage	Fire Hall	
January 1 – March 31, 2009	257	10	51	
April 1 – June 30, 2009	208	7	29	
July 1 – September 30, 2009	242	9	23	
October 1 – December 31, 2009	205	6	19	
Totals	912	32	122	1,066

Non Potable water is pumped directly from Long Lake. The quantity of water is recorded quarterly. The total amount used during the 2009 calendar year is 17,680 cubic metres. Quarterly use is detailed in Table 2 below.

Table 2: Non-Potable Water Use

Recording Period	Quantity (m ³)
January 1 – March 31, 2009	4,573
April 1 – June 30, 2009	4,454
July 1 – September 30, 2009	4,075
October 1 – December 31, 2009	4,578
Total	17,680

3.0 Annual quantities of de-icing fluid used for de-icing activities;

Air Carriers at YZF typically use de-icing fluid during the period beginning in September and ending in May. Although there are different types of glycol used in de-icing fluids, only Type I De-icing fluid, containing ethylene glycol, is used for regular de-icing procedures at YZF. Yellowknife Airport tenants currently use: UCAR™ Aircraft De-icing Fluid XL 54 SAE/ISO Type I.

A total of 97,544 litres of de-icing fluid was used at YZF during the 2009 calendar year. Quarterly amounts are detailed in Table 3, below.

Table 3: De-icing Fluid Use

Recording Period	Quantity (L)
January 1 – March 31, 2009	26,344
April 1 – June 30, 2009	8,382
July 1 – September 30, 2009	201
October 1 – December 31, 2009	62,617
Total	97,544

4.0 Updates or revisions to the approved Glycol Mitigation Operational Plan;

DOT is awaiting approval of a draft Glycol Mitigation Operational Plan (GMOP) submitted to the Mackenzie Valley Land and Water Board on February 2, 2010.

No updates or revisions to the draft GMOP have been made since that time.

5.0 Annual quantities of Sewage solids removed from the Sewage Disposal Facilities for disposal;

Sewage is collected by Kavanaugh Brothers Ltd. and quantities are estimated based on the number of truckloads and the capacity of the tanker trucks. Kavanaugh Brothers Ltd. estimates that 6,400 cubic metres (m³) of sewage was removed from the Sewage Disposal Facility.

6.0 Updates or revisions to the approved Waste Disposal Facilities Operation and Maintenance Plans;

No updates or revisions have been made.

7.0 Updates or revisions to the Spill Contingency Plan;

No updates or revisions have been made.

8.0 A summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures;

No modifications or major maintenance work was carried out.

9.0 A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

No abandonments or restorations were completed or are planned for the upcoming year.

10.0 A summary of any studies requested by the Board that relate to waste disposal, water-use or reclamation, and a brief description of any future studies planned;

No studies were requested during the calendar year being reported and no future studies are planned.

11.0 A list of unauthorized discharges;

No unauthorized discharges to report.

12.0 Any other details on water use or waste disposal requested by the board by Nov 1st of the year being reported;

Nothing further was requested.

13.0 A summary of airport expansion or development work completed during the year and an outline of work anticipated for the following year.

No expansions or development work was completed or is planned for the upcoming year.