

NWB Annual Report

Year being reported:

2010

License No: 3BC-LEP 1010

Issued Date:

Expiry Date:

Project Name:

Landscape Evolution Paleoecology Project

Licensee:

Dr. Natalia Rybczynski

Mailing Address:

Canadian Museum of Nature
P.O. Box 3443 Station D
Ottawa, ON K1P 6P4

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

General Background Information on the Project (*optional):

About 55 million years ago the earth was extremely warm, so much so that alligators could live in the High Arctic. Since that time the planet has been generally cooling culminating with the onset of the last Ice Ages, about 3 million years ago. My research focuses on terrestrial fossil deposits from the Neogene (23-3 million years ago) of the High Arctic. This research investigates the evolutionary history of vertebrate lineages using fossil and modern evidence, and also employs an interdisciplinary collaborative approach to answer questions related to paleoecology, landscape evolution (including dating) and climate change in the High Arctic. This project involved small tenting camp sites (3-5) people.

Licence Requirements: the licensee must provide the following information in accordance with

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):

Water Quantity:

Water is brought to camp site from Resolute

Quantity Allowable Domestic (cu.m)

Actual Quantity Used Domestic (cu.m)

Quantity Allowable Drilling (cu.m)

Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

- Solid Waste Disposal
- Sewage
- Drill Waste
- Greywater
- Hazardous
- Other:

Additional Details:

Camp greywater was poured into a pit that was filled in.

A list of unauthorized discharges and a summary of follow-up actions taken.

NONE.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

NONE

Additional Details:

Revisions to the Abandonment and Restoration Plan

NONE

Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

NONE.

Results of the Monitoring Program including:

None was required.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

- 1) Devon Island camp July 27-Aug 8, 2010 (6 person camp): NAD 27; N 75° 58.679; W 084° 53.988
- 2) Meighen Island camp, July 12-24, 2010 (3 person camp): WGS 84; N 79° 51.849, W 99°18.689'
- 3) Ellesmere Island camps, June 28-July 2010, (4 person camp). 2 camps:
 - a) @ Strathcona Fiord (SF): WGS 84; N 78° 34.203', W 082° 20.240'
 - b) south of SF: NAD 27; 78° 29.179 N, 82° 38.592W, elev 339m (all water brought in)

Additional Details:

Excerpt from field notes WRT fuel barrels:
July 7, 2010: Strathcona Fiord, Camp move to 90m Section (= Leaf Bed Section).
Weather: horiz viz, 15+, winds light from SE, skies clear
Helicopter work. Pilot John. Strathcona Fiord fuel cache near mouth of Taggart River N 78° 34.698', W 82° 15.705', several barrels on eroding shoreline had rolled toward shore and are now embedded in sand. After camp move we helped helicopter pilot recovering 8 Jet B fuel barrels and placing them further inland.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Waste-water was disposed of in a pit near camp (i.e., same coordinates as camp), away from water bodies.

Additional Details: None

Results of any additional sampling and/or analysis that was requested by an Inspector

None Requested

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

None Requested

Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

None

Additional Details: (Dates of Report, Follow-up by the Licensee)

Water License Inspection report received September of 2014.

Any additional comments or information for the Board to consider

Date Submitted: Oct 31, 2014

Submitted/Prepared by: N. Rybczynski
Contact Information: **Tel:** 613-566-2462 (email preferred)
Fax: 613-364-4027
email: nrybczynski@mus-nature.ca