

NWB Annual Report

Year being reported:

2012

License No: 3BC-EUR1116

Issued Date: June 7, 2011

Expiry Date: June 7, 2016

Project Name: Eureka Weather Station

Licensee: Environment Canada

Mailing Address: 355 River Road,  
Ottawa, ON, K1A 0H3  
for Eureka Weather Station, Eureka, NU, X0A 0G0

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

Environment Canada

General Background Information on the Project (\*optional):

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

Part B

Item 1

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): Station Creek

Water Quantity:

10,000

3,220

0

0

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:

**Appendix A: Quantity of Raw Water**  
**Appendix B: Quality of Raw Water**  
**Appendix C: Quality of Tap (non-drinking) Water**  
**Appendix D: Quantity of Drinking Water Consumed**  
**Appendix E: Quality of Drinking Water Consumed**  
**Appendix F: Quantity of Waste Water Discharged**  
**Appendix G: Quality of Waste Water Discharged**  
**Appendix H: GPS Coordinates**  
**Appendix J: EC Response to inspection**  
**Appendix I: Updated AR Plan**  
**Appendix K: Project Schedule**

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

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)

There were no unauthorized discharges during 2012.

**Part H Section 1 a. to 1 e. of water licence 3BC-EUR1116**

The Operations & Maintenance Manual has been updated in 2011 as required.

**Revisions to the Spill Contingency Plan**

Other: (see additional details) ▼

Additional Details:

**Part G Section 1 a. to 1 f. of water licence 3BC-EUR1116**

The Spill Contingency Plan has been updated as per water licence requirements and will be included with annual report submission

**Revisions to the Abandonment and Restoration Plan**

AR addendum attached for Board consideration ▼

Additional Details:

**Part I Section 2 a. to 2 d. of water licence 3BC-EUR1116**

The AR addendum is attached as Appendix I of this application for Board Consideration as required. The entire revised AR plan will be included with the annual report submission

## Progressive Reclamation Work Undertaken

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

### Work completed in 2012/13

- a. Rigid Fuel containment systems for fuel storage areas have been purchased.
- b. Storage building replacement project tender for design was terminated and alternate solution for design developed.
- c. Geotechnical drilling and analysis for Water Lagoon proposed location and identification of aggregate source quantity and quality of proposed borrow sources has been initiated.
- d. Sewage treatment plant study completed which identifies 3 possible technologies suitable for Eureka location and to meet the Federal Guidelines for effluent discharge.
- e. Runway Surface Recapitalization project design at 90% completion.
- f. Building demolition audit 90% completed.
- g. Barrel washer crusher system specifications complete and ready for tender .
- h. Fuel tank farm supply piping retrofit project introduced for capital approval.

### Work planned for 2013/14 (see Appendix K PWGSC Project Schedule)

- a. Shipping of Fuel containment systems on sealift 2013.
- b. Storage building project to enter into the design phase.
- c. Water Lagoon project and Sewage Treatment Plant projects to enter into the design phase.
- d. Runway design to be completed early to mid 2013/14 and move into construction phase. Design to be forwarded to NWB for review once completed.
- e. Building decommissioning project to enter design phase.
- f. Barrel washer crusher to be purchased and shipped for installation/use in summer of 2014.
- g. Fuel tank farm retrofit project to proceed into design in 2013 in order to award construction contract for construction in fall 2014.
- h. Weekly surveillance of the East Landfill monitoring station by on site EC personnel will take place during spring/summer of 2013 in order to evaluate the suitability of its location for obtaining surface water run off/leachate samples for analysis as required by the water licence requirements and as per AANDC inspection recommendation of 2012 (no run off water was available for sampling in 2012).
- i. The Eureka Remedial Action Plan (RAP) is currently under development by our Contaminated Sites Division.

**Results of the Monitoring Program including:**

Details attached



Additional Details:

See Appendix H for GPS Co-ordinates of each location where sources of water are utilized

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

Details attached



Additional Details:

See Appendix H for GPS Co-ordinates of each location where wastes associated with the licence are deposited.

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

No additional sampling requested by an Inspector or the Board



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.**

No additional sampling requested by an Inspector or the Board



Additional Details: (Attached or provided below)

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

Inspection Report received by the Licensee (Date):



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

Inspection Report received December 4th 2012 for July 15th 2012 inspection of Eureka. See Appendix J of report for a description of remedy actions taking place in order to rectify deficiencies noted from the inspection.

**Any additional comments or information for the Board to consider**

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**Date Submitted:**

March 14, 2013

**Submitted/Prepared by:**

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