



CITY OF IQALUIT

Landfill and Waste Transfer

NWB File: 3AM-IQA1626

Commitment 17 Supplementary Information

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Commitment 17

ECCC comment/recommendation: It is unclear how the revised Operations and Maintenance Manual addresses Commitment 17. ECCC requests that the Proponent clarify which sections of the O&M manual pertain to the following aspects of ECCC's recommendation:

- Identify and describe measures to prevent/mitigate the challenges described (i.e., substantial volumes of poor quality leachate, and down time during mechanical breakdowns and for maintenance), and discuss their anticipated effectiveness;
- Describe how the effectiveness of these prevention/mitigation measures will be monitored; and
- Document lessons-learned to inform subsequent stages of construction and operation.
- ECCC also requests that the Proponent provide an update regarding the discussion referenced on page 251 of the Commitment Response document.

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Commitment Item	Location Addressed in O&M Manual	Notes
17a	Section 3.1.2 – Manager of Solid Waste	Identifies requirement to prepare regularly scheduled reports on progress and planning at the facility and recommending equipment repairs to the CAO.
	Section 3.1.3 – Facility Supervisor	Defines duties and responsibilities of the Facility Supervisor, including maintenance of the baler and recommending equipment repairs to the Manager.
	Section 3.1.4 – Baler/Shredder Operator	Defines duties and responsibilities of the Baler/Shredder Operator, including recommendation for repairs and maintaining operational records.
	Section 3.2 – Training	Defines training requirements for facility staff.
	Section 6.0 – Stationary Equipment	Defines requirement for facility personnel to review equipment manufacturer's information in detail before use, maintenance or repair.
	Section 8.1.2 – Non-Acceptable Wastes	Identification of wastes which present a danger to the public, staff, infrastructure (e.g., baler) and the environment.
	Section 8.2.1 – Waste Inspection and Control	Definition of procedures to confirm that wastes are suitable for acceptance at the WTS and subsequent baling.
	Section 8.3.1 – Waste Placement	Identifies waste placement procedures for waste materials should the WTS baler be temporarily unavailable.
	Section 12.1 – Waste Transfer Station	Definition of procedures associated with the management of leachate generated during the baling process.
17b, 17c	Section 3.1.2 – Manager of	<u>Manual Revision:</u> Identification of a requirement to

Commitment Item	Location Addressed in O&M Manual	Notes
	Solid Waste	conduct, with reference to Daily/Weekly Checklists, an assessment of noted operational issues at the WTS and LF, including recommended mitigatory actions, as a component of annual Facility Operation Report.
	Section 14.0 – Facility Records	Identifies record keeping requirements including a Site Operations Log and quality/quantity data for baler leachate, including transport information to the City's WWTF.
	Section 15.0 – Summary Schedule of Facility Records	Defines operations, maintenance, monitoring and reporting requirements for the WTS, including specific items for the baler. Identifies requirement to prepare an annual Facility Operating Report.
	Appendix A – Forms (Facility Weekly Operations Checklist, Facility Daily Operations Checklist)	Includes daily and weekly checklists allowing for the documentation of noted operational issues, including those associated with the baler.
17d	-	Efforts to date (30 Nov 2020) to contact management/operations personnel at the Yellowknife facility have been unsuccessful. Once contacted, if issues of concern related to baler operation are identified that are not addressed in the existing WTS O&M Manual, the document will be revised as appropriate.

Additional note regarding hydraulic ram balers:

A hydraulic ram solid waste baler, like the one identified for the Iqaluit WTS, incorporates similar operational components and maintenance requirements as other pieces of heavy equipment currently in use in Iqaluit and northern Canada, including front end loaders, excavators and rock crushers. Assuming the manufacturer's recommendations related to use, operator training and maintenance are closely followed, it is anticipated that the baler will provide reliable performance for many years.