

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JULY 17, 2017
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR - ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT	MATERIAL RECOVERY FACILITY INSTALLATION – ANTI-SKID WALKWAY WITH GUARDRAILS

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, with respect to the installation of an anti-skid walkway with guardrails at the Material Recovery Facility, this report **BE RECEIVED** for information; it being noted that the final contractor costs for repair was \$94,000, excluding HST.

PREVIOUS REPORTS PERTINENT TO THIS MATTER

None

STRATEGIC PLAN 2015-2019

Municipal Council has recognized the importance of solid waste management including waste diversion, climate change and other related environmental issues in its 2015-2019 - Strategic Plan for the City of London ([2015 – 2019 Strategic Plan](#)). With respect to this Civic Works Committee (CWC) Report, 2 of the 4 Areas of Focus address providing safe and efficient waste diversion services specifically relating to the on-going safe operation of the Material Recovery Facility.

Building a Sustainable City

- Strong and healthy environment
- Robust infrastructure

Leading in Public Service

- Excellent service delivery

BACKGROUND

PURPOSE:

The purpose of this report is to provide Committee and Council with information on the installation of an anti-skid walkway with guardrails to access three, roof top mounted heating, ventilation and air conditioning (HVAC) units that service the heated and cooled recyclable materials sorting room enclosures at the Material Recovery Facility (MRF).

CONTEXT:

There are a number of devices and equipment (e.g., elevator, air compressor, various natural gas burning devices, etc.) installed at the MRF that are governed under codes developed by the Technical Standards and Safety Authority (TSSA). Some of these codes, such as the ones involving distribution and supply of natural gas and the operation of natural gas burning devices, may be administered/enforced through the local supply agency (i.e., Union Gas). The TSSA amends and updates codes as necessary to either provide clarity for application and enforcement and/or to enhance the safe operation of the devices and equipment that the codes govern.

It should be noted, that at the time facility occupancy was granted for the MRF in mid-2011 all required TSSA inspections had been completed and signed off with no deficiencies noted.

In early March 2017, subsequent to completing a repair to the MRF gas meter, Union Gas issued a violation notice requiring corrective actions be undertaken at the MRF, in accordance with the Natural Gas and Propane Installation Code clause 4.14.6 (a) (Natural Gas Code). Work to complete the corrective actions proceeded in accordance with sections 14.2 Procurement in Emergencies and 14.4 Single Source of the City of London's Procurement of Goods and Services Policy.

The anti-skid walkway with guardrails was installed, inspected and deemed to be in compliance by Union Gas within the timeframe required to implement the corrective actions. Section 14.2 Procurement in Emergencies requires that:

The steps taken to mitigate the Emergency must always be clearly documented regardless of amount and where the aggregate costs for a single supplier are in excess of \$50,000, the emergency procurement shall be reported by the responsible Managing Director to Committee and City Council (including the source of financing) at the next scheduled meeting following the event.

DISCUSSION

Details of Violation Notice for Corrective Actions:

Union Gas completed a repair to the MRF gas meter and associated piping on March 17, 2017. The repair required temporarily shutting off the gas supply to the MRF. Union Gas is obligated to inspect all mechanical devices that burn natural gas for repairs that involve shutting off the main gas supply to a facility. The inspection was completed for all mechanical devices except the HVAC roof top units as Union Gas indicated these units could not be inspected until corrective actions in accordance with the Natural Gas Code were completed.

An amendment to the Natural Gas Code providing clarity around when a roof is considered sufficiently sloped to require an anti-skid walkway came into effect January 1, 2016. Natural Gas Code Clause 4.14.6 (a) as amended effective January 1, 2016 states:

“the appliance shall be installed on a well-drained surface. When water stands on the roof, either at the appliance or in the passageways to the appliance, or when the roof is sloped more than 2%, or has a water seal, or has a slippery surface, a suitable anti-skid walkway shall be provided. Such a walkway shall be located adjacent to the appliance and control panels, and when the appliance is located on a sloped or slippery roof, the walkway shall extend from the appliance to the point of access and be equipped with guardrails so that the appliance can be safely accessed and serviced.”

Natural gas supply to the MRF was maintained however the violation notice required the corrective actions to be completed within 49 days of the date of the notice. It was determined due to the scope of the corrections required this time frame would not be sufficient. An extension to 90 days (June 15, 2017) was requested and granted by Union Gas.

Details on Completion of Corrective Actions:

The corrective actions were completed by the Wheelwright Group for \$94,000 (excluding HST) which included design, fabrication and installation of the anti-skid walkway with guardrails. All work associated with the corrective actions was completed on May 30, 2017, and Union Gas inspected and confirmed the violation notice had been complied with on June 6, 2017.

The corrective actions were completed in accordance with sections 14.2 (Procurement in Emergencies) and 14.4 d., (Single Source) of the Procurement of Goods and Services policy, for the following reasons:

- Installation of the anti-skid walkway with guard rails had a direct impact on the safe operation of the MRF;
- Failure to comply with the corrective actions required in the violation notice would have resulted in suspension of gas supply services to the MRF resulting in interruption of the operation on the MRF;
- There is a 20 year warranty on the MRF roof structure. To preserve the warranty the works are required to be completed by the original contractor; and
- Wheelwright Group is the original building contractor for the pre-fab building and roof structure of the MRF.

Financial Implications:

The final cost of installation of the anti-skid walkway was within the original estimated budget and contingency for construction of the MRF, therefore, no additional funds were required to complete the required corrective actions.

ACKNOWLEDGEMENTS

This report was prepared with assistance from Tim Wellhauser, Division Manager, Facilities and Allan Taylor, Project Planner Facilities.

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