



## REPORT N° INF2020-03

<b>Date</b>	2020-03-25
<b>Submitted by</b>	Julian Lenhart/Dave Darch
<b>Subject</b>	Notre Dame Landfill Site/Caron SWM
<b>File N°</b>	-

### 1) NATURE/GOAL :

The purpose of this report is to provide members of Council with an update on the discussions that have been taking place with Ministry of Environment, Climate and Parks (MECP) in relation to the two subject reports.

### 2) DIRECTIVE/PREVIOUS POLICY :

In the question period at the end of the February 3, 2020 Council meeting, Council requested an update on the discussions that were taking place with respect to the formal closure of the Notre Dame landfill site and the stormwater management requirements for the discharge of stormwater into the landfill area.

In response to this inquiry, staff indicated that an important meeting was being scheduled for February/March with City and Ministry officials to agree on a strategy to move these files forward. The meeting was convened on March 10, 2020 in the Ministry's Cornwall office.

### 3) DEPARTMENT'S RECOMMENDATION :

**WHEREAS** the City of Clarence-Rockland has been working closely with the Ministry of Environment, Climate and Parks (MECP) to arrive at a mutually acceptable strategy to formally close the Notre Dame landfill site and address the uncontrolled discharge of stormwater from Caron Street into the landfill area; and

**WHEREAS** comments have been received from the various disciplines within the Ministry relating to the City's March 7, 2019 submission; and

**WHEREAS** a constructive meeting was held on March 10, 2020 at the Ministry's Cornwall office to identify additional requirements to enable the Ministry to issue an Environmental Compliance Approval (ECA) for the stormwater management works;

**THAT** Report No. INF2020-03 be received as information.

**ATTENDU QUE** la Cité de Clarence-Rockland a travaillé en étroite collaboration avec le Ministère de l'Environnement, de la Protection de la nature et des Parcs afin de parvenir à une stratégie mutuellement acceptable pour fermer officiellement le site d'enfouissement de Notre Dame et s'attaquer au déversement incontrôlé des eaux pluviales de la rue Caron dans la zone d'enfouissement ; et

**ATTENDU QUE** des commentaires ont été reçus des diverses disciplines du ministère concernant la soumission de la Cité du 7 mars 2019 ; et

**ATTENDU QU'**une réunion constructive s'est tenue le 10 mars 2020 au bureau du ministère à Cornwall afin d'identifier les exigences supplémentaires permettant au ministère de délivrer une autorisation environnementale (AE) pour les travaux de gestion des eaux pluviales;

**QUE** le Rapport No. INF2020-03 soit reçu à titre d'information.

4) **BACKGROUND :**

after numerous meetings and discussions with various MECP staff, on March 7, 2019, the city submitted a proposed closure plan for the Notre Dame landfill site and a strategy to control the discharge of uncontrolled stormwater from Caron Street into the former landfill site. The document was subsequently circulated internally to Ministry staff for review and comment on the City's recommended proposals.

In response to this submission, comments were subsequently received from the Ministry's surface water scientist and hydrogeologist. A third set of comments were received in November, 2019 from the Ministry's Waste Engineer.

Given the nature of the technical comments, it was agreed that an "in-person" or teleconference call was warranted in order to address the outstanding concerns being expressed by Ministry staff. Eventually, the meeting took place in the Ministry's Cornwall office on March 10, 2020 at 1:30 PM.

The list of attendees and the agenda items (refer to Attachment 1) were pre-circulated prior to the meeting.

5) **DISCUSSION :**

The overall tone and discussion at the meeting was very positive and identified additional requirements required by the Ministry to advance the City's preferred option.

The following provides members of Council with a brief overview of the City's preferred option. Attachment 2 provides a sketch plan of the area under consideration.

*Notre Dame Landfill Closure Plan:*

- the east and west cells of the former landfill site will be regraded and capped with a 600 mm impervious layer. The impervious layer will in turn, be overlain by a 150 mm vegetation layer
- the overall landfill site will be « crowned » to direct surface water to a perimeter drainage system which will ultimately discharge to the Caron Street cross culvert in the northeast corner of the site
- additional gas and ground/ water monitoring will be required
- the city will be required to carry out annual maintenance inspections and undertake the necessary works in order to keep the facility operating in keeping with accepted standards. Annual inspection and maintenance reports will be forwarded to the Ministry.
- Contingency measures (e.g. failure of the, leachate migration etc.) will need to be identified and implemented as the need arises

*Stormwater Management Controls (refer to Attachment 3):*

- an oil /grit separator will be constructed in the southeast corner of the site in order to achieve provincial quality control standards
- the proposed design will utilize the existing eastern cell basin to achieve quantity control of the storm discharge.
- A control structure would be constructed in the northeast quadrant of the east cell to ensure that released stormwater flows into the provincially significant wetland (east of Caron Street) are at predevelopment rates.
- the cap over the landfilled materials will form the basin of the stormwater management facility

It must be recognized that the city does not yet have the Ministry's formal approval for the above proposals. Prior to doing so, the Ministry will be requiring that additional investigations be carried out this year. However, the Ministry's technical and management staff seem to acknowledge, based on the March 4, 2020 meeting, that a "non-traditional" solution is required to address the provisions of the Provincial Order issued to the City in 2016.

Based on the additional investigations required to achieve ministerial approval, it is extremely unlikely that any construction activity will take place on the site 2020. The timing of design and construction will be the subject of a future staff report.

#### *Engineering Requirements:*

WSP was retained by the City to provide pre-design services for the landfill closure and the storm water management works. There have been extensive number of meetings and telephone conversations with ministry staff and other government organizations in order to advance the projects to their current status level. There will be a requirement to secure Council approval in the future to amend WSP's terms of reference and budget upset limits for the following engineering services:

1. 2020 Monitoring Work and Analyses
2. Detailed Design and Commissioning

These requirements will be the subject of future staff reports to Council once more details become available regarding these initiatives.

#### *Budgetary Impacts:*

Table 1.1 provides a detailed summary of the initial budget allocations for the subject projects, the monies expended to date and remaining budgets.

**Table 1.1 Project Budgets**

	<b>Caron SWM</b>	<b>Landfill</b>
<b>Budget</b>	\$1,317,344	\$983,000
<b>Spent to Date</b>	(188,627)	(105,506)
<b>Remaining Budgets</b>	\$1,128,717	\$877,494

As project scope and costs are refined, staff will advise Council of any additional budget amendment requirements. Since construction activity is unlikely in 2020, there is sufficient budget approval to address the 2020 requirements. Additional budget funding authority (if any), can be addressed as part of the 2021 capital works budget deliberation process.

6) **CONSULTATION:**

Both the landfill closure and Caron storm water management projects have required extensive consultations with MECP technical staff and other levels of government. The consultation process will continue as the project proceeds to construction.

7) **RECOMMENDATIONS OR COMMENTS FROM COMMITTEE/ OTHER DEPARTMENTS :**

n/a

8) **FINANCIAL IMPACT (expenses/material/etc.):**

As noted above, there may be a requirement to amend the current budget approval limits for the Notre Dame landfill site closure plan and the Caron storm water management projects. These financial implications will become apparent as project scope and associated costs are refined.

9) **LEGAL IMPLICATIONS :**

There is an outstanding requirement for the City to address the directives contained in the Provincial Officers' Order dated February 18, 2016. Additionally, the Chapman, Natalie, and Roberto subdivision agreements stipulated that the City would manage the construction of a consolidated storm water management facility to service these developments.

Failure to meet the above requirements could expose the City to legal actions.

10) **RISK MANAGEMENT :**

The City must address the formal closure of the Notre Dame landfill site to mitigate potential environmental impacts. Similarly, there is a need to address quality and quantity issues associated with the Caron Street storm water discharge.

11) **STRATEGIC IMPLICATIONS :**

Addressing the requirement to formally close the Notre Dame landfill site and managing the uncontrolled storm water discharge from Caron Street into the landfill area is consistent with the City's priority for environmental management.

12) **SUPPORTING DOCUMENTS:**

Attachment 1: March 4, 2020 MECP Meeting Agenda

Attachment 2: Site Plan of Landfill Area

Attachment 3: Proposed Caron Street Storm Water Management Controls