

## ENVIRONMENTAL ASSESSMENT REGISTRATION

Prepared For:  
Department of Municipal Affairs and Environment  
PO Box 8700  
St. John's, NL  
A2H 6J8

Prepared By:  
Feltham's Construction Ltd  
PO Box 86  
Glovertown, NL  
A0G 2L0

---

## TABLE OF CONTENTS

---

<a href="#"><u>Name of Undertaking</u></a>	Page 1
<a href="#"><u>Proponent</u></a>	
(i) <a href="#"><u>Name of Corporate Body</u></a>	Page 1
(ii) <a href="#"><u>Address</u></a>	Page 1
(iii) <a href="#"><u>Chief Executive Officer</u></a>	Page 1
(iv) <a href="#"><u>Principal Contact Person</u></a>	Page 1
<a href="#"><u>The Undertaking</u></a>	
(i) <a href="#"><u>Name of the Undertaking</u></a>	Page 2
(ii) <a href="#"><u>Purpose / Rationale / Need for Undertaking</u></a>	Page 2
<a href="#"><u>Description of the Undertaking</u></a>	
(i) <a href="#"><u>Geographical Location</u></a>	Page 2
(ii) <a href="#"><u>Physical Features</u></a>	Page 2
(iii) <a href="#"><u>Construction</u></a>	Page 3
(iv) <a href="#"><u>Operation</u></a>	Page 3
(v) <a href="#"><u>Occupations</u></a>	Page 4
(vi) <a href="#"><u>Project Related Documents</u></a>	Page 4
<a href="#"><u>Approval of the Undertaking</u></a>	Page 5
<a href="#"><u>Schedule</u></a>	Page 5
<a href="#"><u>Funding</u></a>	Page 5
<a href="#"><u>Drawing #1</u></a>	Page 6
<a href="#"><u>Drawing #2</u></a>	Page 7

**NAME OF UNDERTAKING:** Construct and operate a treatment facility for septic tank waste. Located off the TCH approx. 1km West of Traytown and Eastport Intersection and approx. 7.5km East of Glovertown Intersection.

**PROPONENT:**

(i) *Name of Corporate Body:*

Feltham's Construction Ltd

(ii) *Address:*

PO Box 86  
107 Station Road  
Glovertown, NL  
A0G 2L0

(iii) *Chief Executive Officer:*

Name: Elvis Feltham  
Official Title: President  
Address: PO Box 86  
107 Station Road  
Glovertown, NL  
A0G 2L0  
Telephone: (709) 533-3322 / (709) 424-21126

(iv) *Principal Contact Person:*

Name: Elvis Feltham  
Official Title: President  
Address: PO Box 86  
107 Station Road  
Glovertown, NL  
A0G 2L0  
Telephone: (709) 533-3322 / (709) 424-2126

**THE UNDERTAKING:***(i) Name of the Undertaking:*

Construct and operate a treatment facility for septic tank waste

*(ii) Purpose / Rationale / Need for the Undertaking:*

Currently Feltham's Construction Ltd is using the landfill site in Gander to dispose of waste water from septic tanks. The estimated volume of septic tank waste water that we pump each year is 130,000 gallons. It is our understanding that this site will soon discontinue this service. When this happens, Feltham's Construction Ltd will have no site available in Central Newfoundland to dispose of the waste water from septic tanks. Also, the alternative undertaking we are proposing is a more environmentally friendly solution in treating waste water from septic tanks.

**DESCRIPTION OF THE UNDERTAKING:***(i) Geographical Location:*

The location Feltham's Construction as selected for the proposed septic tank waste water treatment plant is the old Terra Nova Waste landfill site. This site is located off the TCH approx. 1km West of the Traytown / Eastport intersection and approx. 7.5km East of the Glovertown intersection. The site is located outside of community boundaries. The site we have selected is located on the upper portion of the old Terra Nova Waste landfill and measures approx. 275' wide by 650' long. The proposed treatment plant is not visible from the TCH and is accessed by an existing access road.

*(ii) Physical Features:*

The site for the proposed septic tank waste water treatment facility will measure approx. 275' wide by 650' long. There are no trees within the boundaries of the selected site. Most of the site is barren land. After this landfill site closed operations, a large amount of fill was hauled in by another contractor and spread over the area. Square Pond is the nearest body of water and is located on the other side of the existing access road approx. 350 meters away. An in-ground cement holding tank will be constructed on site that will measure 30' x 50' with 10' walls and will consist of two chambers. Also, there will be a concrete pad constructed

adjacent to the cement hold tank. The concrete pad will measure 60' x 30' with 3' walls which will hold two geotextile tubes. A storage shed will be constructed on site as well and will measure 20' x 30'. A fence will also be erected around the perimeter of the holding tank and concrete pad. A septic field will be developed adjacent to the concrete pad and will measure approx. 60' x 100'.

(iii) *Construction:*

The construction of this undertaking will consist of constructing an in-ground cement holding tank that will measure approx. 30' x 50' with 10' walls. A cement pad will be constructed onsite adjacent to the holding tank and will measure approx. 60' x 30' with 3' walls. A fence will be erected around the perimeter of the cement holding tank and pad. A storage shed will also be constructed on site that will measure approx. 20' x 30'.

Potential sources of pollutants during the construction period will be limited to the exhaust from heavy equipment used in grubbing operations such as excavators, loaders, cement trucks, and tandems trucks. In case of a fuel spill, all machinery will be equipped with emergency spill kits.

Proposed date of first physical construction for this undertaking is will be dependent on the certificate of approval from Municipal Affairs and Environment.

(iv) *Operation:*

The proposed undertaking will consist of the treatment of waste water from septic tanks. Waste water from septic tanks will be emptied from the vacuum truck into the first chamber of the in-ground cement holding tank. This chamber will screen the waste water for any non-biodegradable material. The screened waste water will flow into the second chamber and will then be pumped through a PVC pipe to a polymer make down panel. The polymer make down panel will consist of a series of 4" PVC elbows. Prior to the polymer make down panel, a chemical polymer, will be added to the waste water. As the blended mixture of waste water and polymer travels through the polymer make down panel, the liquid will separate from the solids. This blended mixture

will continue to travel through a pvc pipe that will be connected to a geotextile tube. Inside the geotextile tube the waste water will begin to dewater. That is, the solids will be contained inside the geotextile tube while clear water seeps through the tube. The geotextile tube will measure approx. 12' wide x 50' long x 7' high. It will take approx. 2-3 years for the solids to dewater and dry. When the solids are dried, it will be removed from the geotextile tube and used as compost for non-agriculture purposes. The compost removed will be tested to ensure it meets the requirements as specified in the Canadian Council of Ministers of Environment Guidelines for Compost Quality and safe for non-agricultural purposes. The water that drains from the geotextile tube will be contained within the concrete pad and be directed to a septic field.

There is no end date for the period of operation. This undertaking will be a seasonal operation and will operate from May to November.

(v) *Occupations:*

The number of employees required for the construction of this proposed undertaking would be 2 heavy equipment operators, 2 truck drivers, and 2 labourers. One employee will be required for the operation of this undertaking. The proposed undertaking will only operate while an employee is at the site.

The breakdown of occupations anticipated for this undertaking according to the National Occupational Classification 2016 are as follows:

NOC Code 7521 – Heavy Equipment Operators

NOC Code 7511 – Transport Truck Driver

NOC Code 7611 – Construction trades helpers and labourers

Existing employees will be used to carry out work on proposed site. Additional employees may be hired if necessary. Feltham's Construction Ltd is an equal opportunity employer and hiring will be merit based.

(vi) *Project Related Documents:*

March 8, 2019

- Crown Land application was file with Crown Lands Division

March 15, 2019

- Request for Certificate of Approval was sent to the Department of Municipal Affairs and Environment

April 2, 2019

- Received letter from Crown Lands Division indicating application has been registered and forwarded to other Department and Agencies for their review.

**APPROVAL OF THE UNDERTAKING:**

A certificate of approval has been sent to the Department of Municipal Affairs and Environment. A Crown Land application as been registered and was referred to other government departments and agencies for their comments and recommendations. The list of department and agencies the referral as been sent to are Government Service Centre, Department of Natural Resources – Mines, Provincial Archaeology Office, Transportation & Works – Eastport, Wildlife Division, Environment Assessment Division, Land Management Specialist, and the Forestry Division.

**SCHEDULE:**

Assuming all approvals are in place, Spring of 2019 would be the earliest in which construction could commence. Fall 2019 would be the latest in which construction could commence. The site is barren and free of trees so there is very little land preparation required for the proposed undertaking.

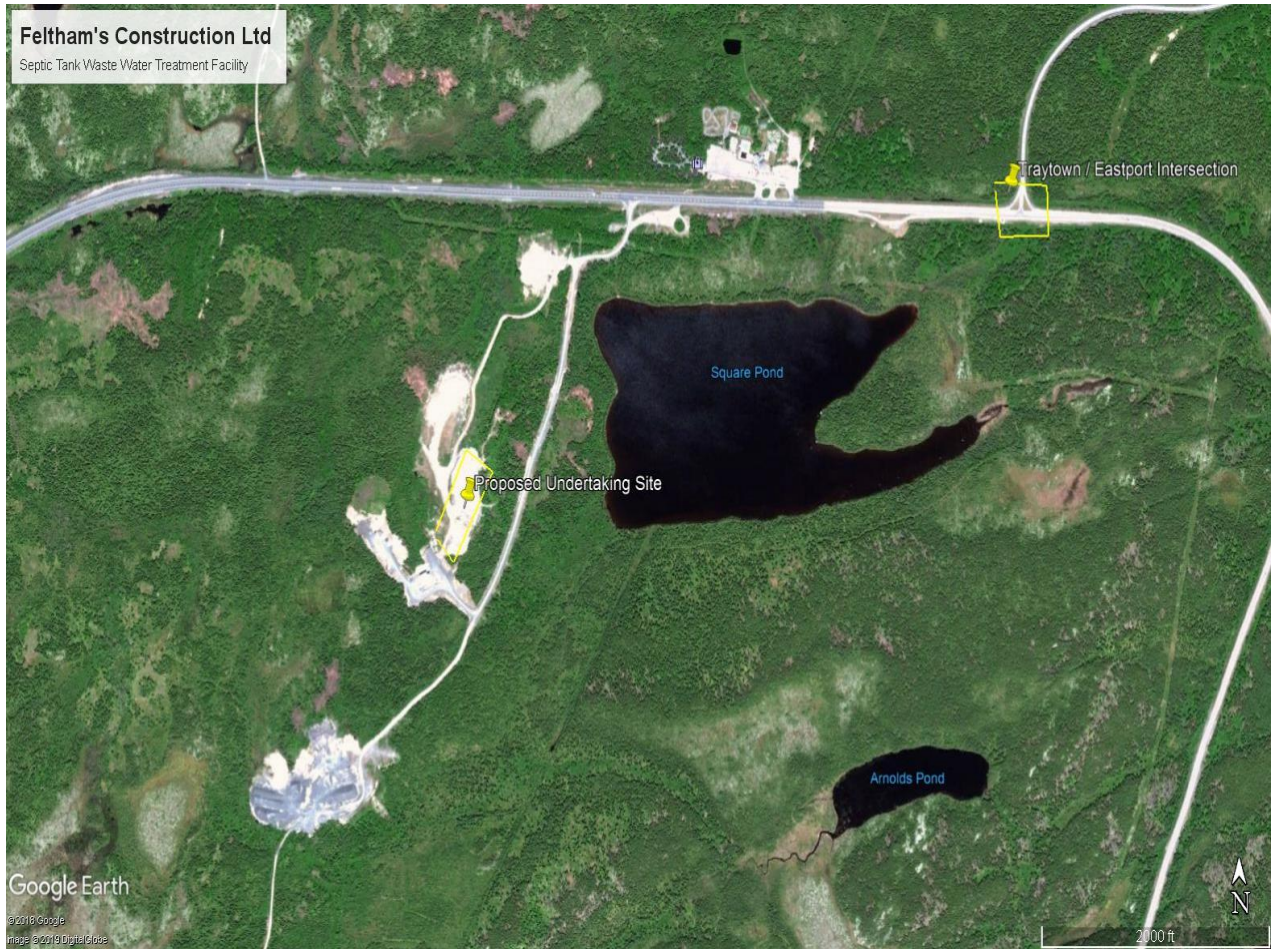
**FUNDING:**

This undertaking does not depend on any grant or loan of capital funds from any government agency. There may be environmental related project sources of funding available that Feltham’s Construction Ltd may pursue upon approval of this undertaking.

\_\_\_\_\_  
 May 9, 2019  
 Date

\_\_\_\_\_  
 Elvis Feltham  
 President

Drawing #1





Drawing #2

