



November 20, 2025

Fleming College

599 Brealey Drive
Peterborough, Ontario
K9J 7B1

ATTN: Marriah Wickert
Manager, Health & Safety

RE: Post Sanitary Backup Remediation Swab Sampling Report – THEM Project # 18661
Fleming College Sutherland Campus – D Wing
599 Brealey Drive, Toronto, Ontario

1.0 INTRODUCTION

T. Harris Environmental Management Inc. (THEM) was retained by Fleming College to conduct clearance swab sampling services for a post sanitary water backup remediation project conducted within the D Wing at Fleming College Sutherland Campus, located at 599 Brealey Drive in Toronto, Ontario. The services were performed at request of Marriah Wickert, Manager, Health & Safety with Fleming College. THEM personnel were informed that crews conducted clean-up work after a sewage backup in the washrooms of the affected D Wing area. THEM personnel attended above noted areas on November 18, 2025, and based on onsite inspections, six (6) swab samples were collected from the selected locations within the sewage affected areas.

2.0 BACKGROUND AND SAMPLING METHODOLOGY

In order to determine the presence of bacteria indicative of faecal or sewage contamination, swab samples were collected from previously sewage affected areas. Swab samples were obtained by gently swabbing the desired surface with a swab (sterile cotton wool-tipped stick) wetted with a buffer solution. Immediately following sampling of the desired area, the swab is inserted into a tube of buffer solution, sealed and placed in a protective container for transport to an independent laboratory for culture analysis. The sample was analyzed for indicator organisms, *E. coli* and *Enterococcus* group (a subgroup of *Streptococcus*) associated with faecal or sewage contamination. *E. coli* is a part of the indigenous faecal flora of warm-blooded animals, and its occurrence is considered as a specific indicator of contamination and the possible presence of enteric pathogens. *Enterococcus* group includes the following species: *E. faecalis*, *E. faecium*, *E. gallinarum* and *E. avium*. This group is a valuable indicator for determining the extent of contamination. Analysis results were reported indicating the presence or absence of *E. coli* and *Enterococcus* species in the samples. The presence of *E. coli* and *Enterococcus* species would



be indicative of faecal or sewage contamination and would therefore indicate the need for further cleaning and/or remedial activities.

All samples collected were submitted to an independent laboratory, EMC Scientific Inc. (EMC), for sewage screen test.

3.0 INSPECTIONS

THEM personnel were onsite and conducted sampling on November 18, 2025. The affected building materials were carpet tile and tile flooring, drywall and tile walls, and office furnishings (such as desk spaces). No foul odours were observed at the time of the assessment. No obvious water staining was found within the affected areas. Some of the carpet tiles in the D0 116 office area and the hall to D112.1/2/3/4 had been removed. Fans were placed and in operation in the affected areas.

4.0 SAMPLING RESULTS

Based on the site inspection, six (6) swab samples were collected from the selected locations within the affected areas. Results of the swab samples can be found below in **Tables I**.

TABLE I
Summary of Post Remediation Sewage Swab Sampling Results
Fleming College – D Wing
599 Brealey Drive, Toronto, Ontario
November 18, 2025

Sample #	Location	Presence E.Coli	Presence of Enterococci
S1	D0 116 – Wall/baseboard by main office door	Negative	Negative
S2	D0 116 – Side of Desk A	Negative	Negative
S3	D0 116 – Chair legs/wheels at Desk A	Negative	Negative
S4	Wall above floor in hall outside D0 110 accessible washroom	Negative	Negative
S5	Wall above floor in D0 110 accessible washroom	Negative	Negative
S6	Entrance area to D112.1/2/3/4	Negative	Negative

Based on the sampling results, samples collected from the sanitary water remediation work areas in the D Wing found no presence of E.Coli and/or Enterococci bacteria.



5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on our post remediation inspections and the results of sewage screen testing in the affected areas of the D Wing, it can be concluded that sewage bacteria remediation has been successful. THEM has no further recommendations at this time.



6.0 LIMITATIONS

In this statement of limitations, the “Client” refers to the persons or entities to whom this report is addressed. “THEM” refers to T. Harris Environmental Management Inc. The “Contract” refers to any general, or project-specific written agreement, including project-specific scope of work documents, executed between THEM and the Client pertaining to the subject matter of this report.

This report is subject to the limitations set out below and any other limitations set out in the body of this report or in the Contract between THEM and the Client.

The investigation and assessment described in this report were conducted in accordance with the Contract agreed upon by the Client in a manner consistent with a reasonable level of care and skill normally exercised by members of the occupational hygiene consulting profession currently practising under similar conditions in the Province of Ontario and observing the code of ethics of the Canadian Registration Board of Occupational Hygienists (CRBOH) and the American Board of Industrial Hygiene (ABIH).

In preparing this report, THEM has relied on information provided by others, including without limitation, information concerning the history and operation of the site, and test results and analyses of other consultants, independent laboratories, or testing services. Except as expressly stated in this report, THEM has not made any independent verification of such information. Findings cannot be extended to portions of the site, which were unavailable for direct observation.

The assessment in this report has been made in the context of regulations which were in force and effect at the time of the assessment and which are specified in this report. The assessment did not take into account any regulations, which were not in effect at the date of the assessments, or any guideline or standard not specified in this report. Regulatory standards do not exist for all materials of a potentially hazardous nature.

The collection of any samples at the site (including the location of samples and the analytical parameters applied to the samples) was undertaken in accordance with the Contract agreed upon by the Client, based upon the information provided to THEM by the Client concerning existing site conditions. Conditions between sample locations (if any) may differ from those indicated in this report.

This report is intended solely for the use or uses specified in this report and/or the Contract. Use of this report for purposes other than those set out in this report and/or the Contract will be at the sole risk of the Client.



Copying of this report except as may be reasonably required for internal use by the Client and any distribution of this report to persons other than the Client in whole or in part, is not permitted without the express written permission of THEM.

This report is for the sole use of the Client. THEM makes no representation or warranty, either expressed or implied, to any third party with regard to this report and the work referred to in this report and expressly disclaims any, and accepts no duty of care to any third party or any responsibility or liability whatsoever to any third party for any loss, expenses, damages (direct, consequential or contingent), fines, penalties, or other harm that may be suffered or incurred by any third party as a result of any use of, any reliance placed upon, or any decision made or actions taken based upon this report or the work referred to herein.

In no event shall THEM be liable for any indirect, incidental, special or consequential damages, or damages from loss of profits, revenue, or use, whether in an action in tort or contract, even if THEM has been advised of the possibility of such damages. If new information concerning the subject matter of this report arises, THEM should be contacted to re-evaluate the conclusions of this report and to provide amendments as required.

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Sincerely,

T. HARRIS ENVIRONMENTAL MANAGEMENT INC.

Katrina Ahchong, M.A.Sc.
Project Coordinator

Raj Singh, MBA, P. Eng.
Manager – Greater Toronto Area (GTA) &
National Capital Region (NCR)

Attachments: Laboratory Certificate of Analysis



POST SEWAGE BACKUP REMEDIATION SWAB SAMPLING REPORT

Fleming College

D Wing

599 Brealey Drive, Peterborough, Ontario

THEM PROJECT # 18661

November 2025

APPENDIX I

CERTIFICATE OF LABORATORY ANALYSIS

Laboratory Analysis Report

To:

Katrina Ahchong
T. Harris Environmental
93 Skyway Avenue, Suite 101
Toronto, Ontario
M9W 6N6

EMC LAB REPORT NUMBER: 104637

Job/Project Name: Fleming College Sutherland D Wing

Job/Project No: 18661

No. of Samples: 6

Sample Type: Swab

Date Received: Nov 18/25

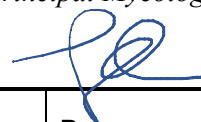
Analysis Methods: Sewage Screen Test

Date Analyzed: Nov 19/25

Date Reported: Nov 19/25

Analyst: Lalita Sarlashkar, Ph.D., *Microbiologist*

Approved By: Fajun Chen, Ph.D., *Principal Mycologist*



Client's Sample ID	Lab Sample No.	Date Sampled	Description/Location	Presence of <i>E. coli</i>	Presence of Enterococci
S1	440322	Nov 18/25	Wall / baseboard by D0116 office door	Negative	Negative
S2	440323	Nov 18/25	Side of desk A	Negative	Negative
S3	440324	Nov 18/25	Chair at desk A	Negative	Negative
S4	440325	Nov 18/25	Wall / baseboard outside washroom D0110	Negative	Negative
S5	440326	Nov 18/25	Accessible washroom wall by floor	Negative	Negative
S6	440327	Nov 18/25	Baseboard inside entrance to D112.1/2/3/4	Negative	Negative

Note:

- Escherichia coli* (*E. coli*) and Enterococci (a subgroup of Streptococci) are commonly used as indicator bacteria for fecal/sewage contamination.
- The results are only related to the sample(s) analyzed.