

Vol IV Appendix I-2 Tours

2016-10-15 Niagara Campus Public Bus Tour

Southwestern Landfill Environmental Assessment

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Summary - Bus Tour & Workshop

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Posted on Thursday October 27, 2016

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Two weeks ago, Walker Environmental hosted a public event and bus tour from Ingersoll to our Niagara Landfill operations.

Public Workshop

The Southwestern Landfill Project Team would like to extend a thank you to the 39 participants at the Thursday October 13, 2016 Public Workshop. The workshop, hosted at the Colombo Club, was an opportunity for individuals to provide input on five key landfill topics including: landfill footprint, landfill design, haul route, leachate treatment management, and landfill gas management. Walker answered questions and recorded input from the community. There was good feedback on the small group discussion format for the event.

The next public workshop will be held on November 16, 2016 at the Colombo Club. More details about the event will be provided next week, we hope to see you there.

Bus Tour

On Saturday, October 15, 2016, three County of Oxford residents participated in a tour of Walker operations in Niagara. The tour was arranged by the Southwestern Landfill Project Team for the residents of Oxford County. The purpose was to provide a first hand experience to anyone interested in visiting a landfill currently being operated by Walker.

While on the tour, residents visited and learned about the Niagara Campus operations including the South Landfill, the landfill liner, the landfill gas collection and renewable energy generation, and the composting facility (see attached map of Niagara operations). Walker provided information about how nuisances like odour, birds, and dust are prevented and mitigated and how environmental monitoring is carried out at the site. Throughout, the participants raised questions about Walker's experience in Niagara and brought forward their concerns about the proposed Southwestern Landfill.

Walker Environmental plans on hosting future bus tours to the Niagara Campus for interested individuals. If you're interested in attending a tour, please contact the Walker Environmental Ingersoll Office at 1-855-392-5537 (toll-free).

Attachments

 [Walker Niagara Operations with Map](#)

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Wednesday, October 05th, 2016

Dear _____:

At the Southwestern Landfill Public Event on September 01st, you had signed up for an upcoming bus tour to Walker Environmental Campus in Niagara.

You are cordially invited to attend our South Niagara Landfill Bus Tour.

The tour's itinerary is as follows:

DATE: Saturday, October 15th, 2016

Pickup: Walker Environmental – Ingersoll Office
160 Carnegie Street Ingersoll, ON

08:45 am Saturday, October/15/2016

Tour of Site: Walker Industries South Landfill – 2800 Thorold Townline Road - Niagara Falls

Lunch will be provided at the Niagara Campus on site.

Pickup: Walker Industries South Landfill
1:00 pm Saturday, October/15/2016

Drop off: Walker Environmental – Ingersoll Office
160 Carnegie Street Ingersoll, ON

3:00 pm Saturday, October 15th, 2016

If you have any questions or are unable to attend please send an email to info@walkerea.com
Or please call our office at (855) 392-5537 between 9am to 5pm - Monday through Friday.

We look forward to seeing you then.

Sincerely,
The Walker Team



October 15, 2016 Bus Tour Agenda

Southwestern Landfill Environmental Assessment

Date: Saturday, October 15, 2016

Time: 9:00 a.m. – 3:00 p.m.

Departure Location: Walker Environmental Office - 160 Carnegie Street, Ingersoll

Item	Time
1 Travel to Walker Environmental Niagara Campus	8:45 am – 9:00 am
2 Tour of Facility Includes South Landfill, landfill gas management facility, compost facility and other areas	10:30 am – 12:30 pm
3 Lunch	12:30 pm – 1:30 pm
4 Travel back to Ingersoll	1:30 pm – 3:00 pm

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2017-01-28 CLC Tour of Carmeuse Lime Site

Date: January 28th 2017

Time: 9:45am – 12:30pm

Location: Carmeuse Lime & Stone, Beachville Operations

Attendees

CLC Members/Alternates



Walker Representatives

Becky Oehler
Darren Fry

Tour Agenda:

- 9:45am Departure SWLF Office, 160 Carnegie St Ingersoll
- 10:00am Arrival at Beachville Lime
- 12:30pm Return to SWLF Office, 160 Carnegie St Ingersoll

Summary:

On Saturday January 28th 2017, Walker hosted members and alternates of the Community Liaison Committee (CLC) on a tour of the Beachville Carmeuse Site, the location for the proposed Southwestern Landfill. The tour provided an opportunity for participants to see the proposed site, and to give context for discussions on subjects such as proposed landfill design. Time was available throughout the tour for the group to ask questions and receive answers. Walker provided materials during the tour such as a Tour Map of the Beachville site, a map depicting water monitoring at the Beachville site, and a comparison of the proposed SWLF landfill to Walker's South Landfill in Niagara. A feedback form for the SWLF team was included in the tour materials to ensure improvements needed are considered in future tours.

Carmeuse Bus Tour

January 28, 2016

Southwestern Landfill Environmental Assessment

On a scale of 1 – 5, where one 1 means you very unsatisfied and 5 means you very satisfied, please answer the following questions

1. Was the purpose of the tour clear? 1 2 3 4 5

Comment:

2. Did we provide you with enough time for questions & answers? 1 2 3 4 5

Comment:

3. How would you rate the quality of the information provided during the tour? 1 2 3 4 5

Comment:

4. How would you rate the:

Choice of day and time 1 2 3 4 5

Choice of format 1 2 3 4 5

Overall tour 1 2 3 4 5

Name (optional):

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2018-02-06 Oneida Youth Tour



Tour Summary

Niagara Campus Tour – Oneida Youth Environmental Committee

Date: February 6th 2018

Time: 9:00 a.m. - 5:00 p.m.

Location: 2800 Thorold Townline Rd, Niagara

Attendees:

3 Members from Oneida Nation of the Thames (Oneida)
Youth Environmental Committee

Walker Representative:

Darren Fry

Agenda:

- 9:00am Pick Up at Oneida Community Centre, 2017 Ball Park Rd, Southwold ON
- 11:00am Drop Off at Walker Industries, 2800 Thorold Stone Rd, Niagara Falls ON
- 3:00pm Depart from Walker Industries
- 5:00pm Arrive at Oneida Community Centre

Summary:

On February 6th 2018, Walker Environmental (Walker) hosted a tour of its Niagara Environmental Campus to four (4) members of the Oneida Youth Environmental Committee as well as a community member. The purpose of the tour was to discuss the Southwestern Landfill (SWLF) proposal, explain Walker’s sustainable waste management technologies, and discuss ways to partner on a composting program at Oneida. Other things that were discussed included Walker’s plans for the future, as well as current and future career opportunities in the environmental sector.

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2018-08-23 COTTFN Tour of Niagara

Date: August 23rd 2018

Time: 10:00am-3:00pm

Location: Niagara Campus

Attendees: Becky Oehler Darren Fry 24 COTTFN Community Members

Tour Agenda:

Pick Up: 8:30am

Lunch: 11:30am

Tour: 12:30-3:00pm

Drop Off: 5:00pm

Summary:

Staff and Community members from COTTFN toured Walker's Niagara Resource recovery campus on Thursday August 23rd, 2018. The purpose of this tour was to offer insight in modern landfill operations and provide context for the proposed Southwestern Landfill Project by touring a similar facility. Walker provided a bus that picked up the COTTFN group and dropped them off on the same day, as well as lunch at the Niagara campus. Participants included Lands & Consultation, Finance, Health, Employment, and Community Outreach staff from Chippewa as well as community members interested in waste management issues.

The tour consisted of Walker's Head office, Biosolids Facility, Residential Drop off site, Compost Site, East & South Landfill, Waste Recovery Area, and Landfill gas Utilization Facility. During the tour, key questions were noted and answered by Walker staff. Questions mostly were about similarities to the SWLF Project and Surface & Groundwater Protection.

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2019-05-14 COTTFN Moose Creek Tour

Date: May 14th, 2019

Time: 9:30am-12noon

Location: 17125 Lafleche Road, Moose Creek, ON

Attendees:



Darren Fry, Project Director, WEG

Emily Sykes, Community Engagement Coordinator, WEG

Summary:

Representatives from Chippewa of the Thames First Nation (COTTFN) and Walker Environmental (Walker) travelled to the Ottawa area on May 14th for a tour of Moose Creek Landfill on May 15th, including the landfill gas-to-energy plant and the leachate treatment system. The trip offered opportunities to build relationships, talk about potential partnerships, and educate on landfill design. The primary purpose of the tour was to learn how leachate is treated at the Moose Creek Landfill, which is very similar to the treatment plant being proposed for the Southwestern Landfill by Walker in Oxford County. *[Note: Leachate is water, like rain, that comes into contact with waste in a landfill.]* The group was also interested in learning more about the landfill gas-to-energy facility, which is partnered with Walker. Both the landfill gas-to-energy plant and the leachate treatment system are considerations for the proposed Southwestern Landfill, currently undergoing an Environmental Assessment.

Tour Agenda:

- **9:30am** Arrive at Tour (17125 Lafleche Road Moose Creek, Ontario K0C 1W0)
- **9:30-10:30am** Landfill Gas-to-Energy Tour
- **10:30-11:30am** Leachate Collection/Treatment Tour
- **12:00noon** Departure/Travel

General Themes & Discussions:

1. Landfill Gas-to-Energy

- General discussions/questions around: Amount of gas generated by landfills, benefits/challenges in using landfill gas as an energy source for the grid, education required to run the plant, benefits and challenges to partnerships, etc.

2. Leachate Treatment System

- General discussions/questions around: Amount of leachate collected, how long do landfills create leachate, testing & discharge requirements, overall success of facility, etc.

3. Other Discussions

- Odour management

Moose Creek Leachate Treatment & Gas-to-Energy Tour

Date: Tuesday May 14th - Wednesday May 15th, 2019
Location: 17125 Lafleche Road Moose Creek, Ontario K0C 1W0

Personal Protective Equipment:

- Hard Hat
- Reflective Vest
- Steel Toe Boots*

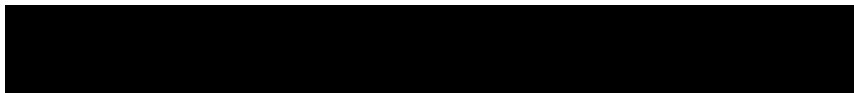
Please let Walker know if you require a hard hat or a reflective vest.

* Steel toe boots must be green triangle certified, and will not be provided by Walker.

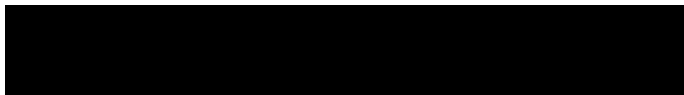
Tuesday May 14th, 2019

11:00-6:00pm Departure/Travel

6:00-6:45pm



7:00pm



Wednesday May 15th, 2019

8:30am Check out of hotel

9:30am Arrive at Tour
(17125 Lafleche Road Moose Creek, Ontario K0C 1W0)

9:30-10:30am Leachate Treatment Plant Tour

10:30-12noon Landfill Gas-to-Energy Tour

12:00noon Departure/Travel

Photos:



Photo 1: Diagram of the Leachate Treatment Facility at Moose Creek Landfill.



Photo 2: Biological Treatment Process for the Leachate Treatment System



Photo 3: Tour participants at leachate treatment plant (standing above treatment tanks).



Photo 4: Storage ponds for leachate and storm water post treatment process, prior to discharge.



Photo 5: COTTFN tour participants in front of landfill gas-to-energy engines.



Photo 6: Tour participants in front of facility where electricity made from landfill gas enters the grid.

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2019-06-29 Oneida Niagara Bus Tour

Date: June 20th 2019

Time: 11:30am-2:30pm

Location: 2800 Thorold Townline Rd, Niagara Falls, ON

Attendees: 7 Members of Oneida of the Thames First Nation Darren Fry Emily Sykes Leslie Galloway
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Tour Agenda:

8:30-10:30	Travel to Walker Environmental Niagara Campus
10:30-11:30	Welcome & Introductions
11:30-12:15	Lunch
12:30-2:00	Tour of Facility
2:00-2:30	Q&A Opportunity
3:00-5:00	Departure

Summary:

Representatives from Oneida of the Thames First Nation (Oneida) and Walker Environmental (Walker) travelled to Thorold on Thursday June 20, 2019 for a tour of Walker Industries' Niagara Campus. The purpose of this trip was to show Oneida staff and community members the various waste management operations with a focus on the landfill. The active South landfill at the campus is similar the Southwestern Landfill, a proposed landfill led by Walker in Zorra Township, currently undergoing an environmental assessment.

The tour was also an opportunity for the participants to ask questions, voice concerns and have discussions around landfill operations and management. The tour of the site included active landfill operations, the landfill-gas-to-energy plant, the resource recovery area, the closed East landfill and its end use (agricultural and pollinator habitat), as well as the NViro biosolids plant, and the compost site. The Oneida community members expressed interest in focusing the tour around odour management and mitigation, and thus Walker referred back to odour control, challenges, and practices, throughout the tour. In particular, Walker discussed managing odour through restricting the open face of the landfill, adding daily cover to the open face, collecting and utilizing landfill gas, and procedures around the complaint hotline for the public.

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2019-08-15 COTTFN Niagara Bus Tour

Date: August 15th 2019

Time: 11:30am-2:30pm

Location: 2800 Thorold Townline Rd, Niagara Falls, ON

Attendees: 15 Members of Chippewa of the Thames First Nation Darren Fry Leslie Galloway
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Tour Agenda:

8:30-10:30	Travel to Walker Environmental Niagara Campus
10:30-11:30	Welcome & Introductions
11:30-12:15	Lunch
12:30-2:00	Tour of Facility
2:00-2:30	Q&A Opportunity
3:00-5:00	Departure

Summary:

Representatives from Chippewa of the Thames First Nation (COTTFN) and Walker Environmental (Walker) travelled to Thorold on Thursday August 15, 2019 for a tour of Walker Industries' Niagara Campus. The purpose of this trip was to show COTTFN staff and community members the various existing waste management operations with a focus on the operating South landfill. The active South landfill at the campus is similar the Southwestern Landfill, a proposed landfill led by Walker in Zorra Township, currently undergoing an environmental assessment.

The tour was also an opportunity for the participants to ask questions, voice concerns and have discussions around landfill operations and management. The tour of the site included active landfill operations, the landfill-gas-to-energy plant, the resource recovery area, the closed East landfill and its end use (agricultural and pollinator habitat), as well as the NViro biosolids plant, and the compost site. The COTTFN community members expressed interest in focusing the tour around odour management and mitigation, and thus Walker discussed its approach to odour control, challenges, and practices, throughout the tour. In particular, Walker discussed managing odour through restricting the open face of the landfill, adding daily cover to the open face, collecting and utilizing landfill gas, and procedures around the complaint hotline for the public. Another topic of interest was surface water and groundwater management, protection, monitoring and contingency measures. To address these questions Walker provided a map of all water monitoring locations, and examined in detail the generic double composite liner system both by providing an informational sheet and also by viewing the actual system, which was visible and under construction at the time of the tour.

Walker discussed concepts of inward gradient in a quarry setting and it's relation to the sites contingency measures. Members of COTTFN were also interested in the various employment opportunities offered at the Niagara campus, as well as future opportunities that would present themselves if the SWLF project is approved.

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2019-10-10 JMCC PRT Carmeuse Lime Site Tour

Date: October 10, 2019

Time: 10:00 a.m. - 1:00 p.m.

Location: Carmeuse Lime, Beachville Operation

Attendees

PRT Members:

Chris Haussmann
Chris Uchiyama
Chuck Smith
Paul Bowen

Carmeuse Representative:

Maurice Guimont

Walker Representatives:

Darren Fry
Leslie Galloway

Tour Agenda

10:00am Meet at Carmeuse Lime Main Office for H&S Training

10:30am Board Bus & Tour Quarry

1:00pm Depart Carmeuse Lime, Beachville Operations

Summary

On Thursday October the 10th, The Southwestern Landfill (SWLF) Team hosted a tour of the Carmeuse Lime Quarry in Beachville for new members of the JMCC Peer Review Team (JMCC PRT). The invite was also extended to all existing members of the JMCC PRT. The purpose of this tour was to ensure that all members of the JMCC PRT are familiar with the proposed SWLF site and provide in-person context to the proposed SWLF design. The group was given Health and Safety training from a Carmeuse employee and if wearing the correct Personal Protective Equipment, were able to get off the bus to observe different parts of the quarry on foot. The tour bus stopped at the Southwest corner of the quarry (where the proposed landfill would be situated), at the proposed leachate treatment area, and finally at the quarry lake before returning to the main office. Questions were encouraged throughout the tour and time was given for thorough answers from both Walker and Carmeuse representatives.

- *General Themes from Questions/Discussions*
 - The Hydrogeology of the Site
 - Cultural Heritage of Site
 - Technical Design of the proposed Landfill
 - Draft Environmental Assessment Timeline

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2019-10-29 Zorra Council Tour of Niagara Environmental Campus

Date: Tuesday October 29th 2019
Time: 8:00am-4:00pm
Location: Walker Industries, Niagara Campus
Participants: Zorra Council Members & Walker Representatives

List of Agenda Items:

8:00am Departure from Zorra Township Office
274620 27 Line, Ingersoll, ON N5C 3J6

10:00am Arrival at Walker Industries Holdings Limited
2800 Thorold Townline Rd, Niagara Falls, ON L2E 6S4

10:15am Refreshments & Pre-tour Discussion
Head Office, Main Boardroom

10:45am Board Bus for Campus Tour

12:30pm Light Lunch & Post-tour Discussion
Head Office, Main Boardroom

2:00pm Departure from Walker Industries

4:00pm Arrival back at Zorra Township Office

Date: October 29th 2019

Time: 10am-2:30pm

Location: 2800 Thorold Townline Rd, Niagara Falls, ON

Attendees:	Marcus Ryan, Mayor of Zorra Township Paul Mitchell, Ward 3 Councillor of Zorra Township Steve MacDonald, Ward 4 Councillor of Zorra Township Don MacLeod, Chief Administrative Officer, Zorra Township Karen Martin, Director of Corporate Services, Zorra Township Darren Fry, Director of Strategic Growth, Walker Environmental Group Emily Sykes, Community Engagement Coordinator, Walker Environmental Group
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Tour Agenda:

8:00am	Travel to Walker Environmental Niagara Campus
10:00am-11:30am	Welcome & Introductions
11:30am-1:30pm	Tour of Facility
1:30pm	Lunch
1:30pm-2:30pm	Q&A Opportunity
2:30pm	Departure

Summary:

Representatives from Zorra Township travelled to Thorold on Tuesday October 29th for a tour of Walker Environmental's Niagara Campus. The purpose of this trip was to show the Mayor, Councilors, and staff the various waste management operations with a focus on the operating South Landfill. The operating South landfill at the campus is similar the proposed Southwestern Landfill being considered by Walker in Zorra Township.

The tour was also an opportunity for the participants to observe landfill operations, ask questions, and have discussions around landfill operations and management. The tour of the site included active landfill operations, observing a new section (cell) of landfill liner construction, the landfill-gas-to-energy plant, the resource recovery area, the closed East landfill and its end use (agricultural and pollinator habitat), as well as the biosolids plant and the compost site.

There were opportunities for discussion before and after the tour. Walker staff gave an update on the progress of the Environmental Assessment.. There were also discussions around having the local community members tour the Niagara campus, and how landfill gas can be harnessed for its renewable energy.