

# Landfill Methane Regulations – Methane Generation Assessment Report and Regulatory Services Platform (RSP)

February 2026



Environment and  
Climate Change Canada

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Canada 

# WEBINAR LOGISTICS

- Webinar presentation followed by a Q&A session
- For the Q&A portion of the webinar, we ask that you to enter your questions into the Q&A feature in MS Teams. You will be able to view all submitted questions submitted. Please use the “upvote arrow” button to raise the profile of a question.
- We will be answering questions of clarification on the regulations. If you have questions on a particular situation with respect to regulatory obligations, please send us email with the question.

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# PURPOSE

- Identify landfills required to submit a Methane Generation Assessment Report
- Roles and responsibilities for reporting
- Landfill Methane Modelling Tool
- Submitting reports using Regulatory Services Platform (RSP)
- Information on where to access resources and how to stay up to date on ECCC work to support implementation

The presentation and responses in this webinar do not in any way supersede or modify the *Landfill Methane Regulations* or offer any legal interpretation of those Regulations. Where there are any inconsistencies between the presentation and webinar and the Regulations, the Regulations take precedence.

# WHO MUST SUBMIT A REPORT?

Owner or operator of a landfill that meets the applicability criteria:

- 450,000 tonnes municipal solid waste-in place and any quantity of municipal solid waste disposed after January 1, 2010
- or
- 200,000 tonnes of municipal solid waste-in-place and >20,000 tonnes of municipal solid waste disposed in 2025 or any subsequent year

**Municipal Solid Waste (MSW)** is waste generated by the residential, commercial, institutional, construction, renovation, demolition or land clearing sources

**Municipal solid waste-in-place** is the total quantity of MSW that has been disposed at the landfill since it opened.

\*\*\* Waste-in-place calculations exclude non-contiguous portions in which no municipal solid waste was disposed of after January 1, 2010, under final cover

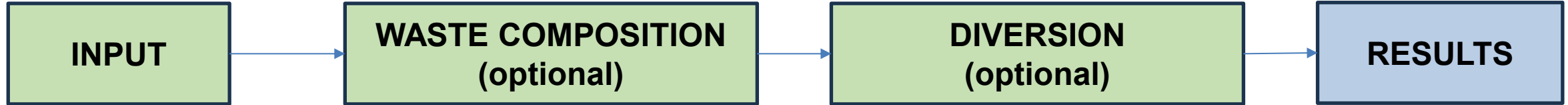
Report not required for:

- Landfill into which only the following types of waste have been disposed:
  - hazardous waste;
  - waste produced by forest products operations;
  - non-biodegradable waste (e.g. soil, rock, asphalt, concrete, brick, glass, clay, slag, asbestos-containing waste and metals); or
  - waste produced by construction and demolition activities.
- Municipal solid waste (MSW) landfills closed on or before January 1, 2010
- MSW landfills that do not meet the applicability criteria

# PREPARING AND SUBMITTING A METHANE GENERATION ASSESSMENT REPORT

- First obligation under Regulations is to complete a methane generation assessment.
- Annual methane generation for the year 2025 must be calculated using the ECCC Landfill Methane Modelling Tool - an Excel spreadsheet which allows users to model annual methane generation.
- Methane generation assessment can be prepared by consultant or by landfill owner/operator, however the report must be submitted by the landfill owner/operator.
- Results must be submitted by June 10, 2026 via the ECCC Regulatory Services Platform

# ECCC MODELING TOOL OVERVIEW



The user must first complete all sections: Landfill Information (opening/closing year, location), Model Parameters, and Annual Waste Disposed.

The user can enter site specific waste composition data, if available, for bulk MSW disposed at the site.

These values would replace the default provincial and territorial-specific waste composition values included in the tool.

The user can enter annual quantities of biodegradable waste that could be diverted from the landfill for future years, either by mass (tonnes) or as a percentage (%).

Displays on a graph and table the calculated annual methane generation (tonnes/year) for scenarios with and without biodegradable waste diversion.

Cell colours for the 'INPUT', 'WASTE COMPOSITION' and 'DIVERSION' worksheets are defined as follows:



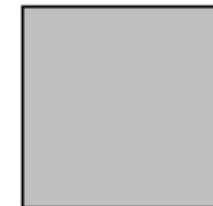
Input cell  
*User input required*



Drop-down selection  
*Select an option from the drop-down list*



Auto-populated based on user inputs/selections



Not applicable

# INPUT WORKSHEET – LANDFILL INFORMATION & MODEL PARAMETERS (DECAY RATE)

## Enter Landfill Information

- Name
- Province/Territory (select from dropdown)
- Opening Year
- Closing Year

## Select basis for decay rate (k) category

- IPCC Climate Zone
- Average Annual Precipitation
- Average Annual Precipitation with leachate recirculation

### Landfill Information

Landfill name:	<input type="text"/>	GHGRP ID:	<input type="text"/>	(if applicable)
Province:	AB	<i>The landfill location determines which provincial or territorial time-series waste composition will be used in the model</i>		
Landfill opening year:	2020	<i>The first year the landfill began receiving waste (the earliest possible year in the model is 1941)</i>		
Landfill closing year:	2040	<i>The last year in which the landfill received waste (either a known year for closed landfills, or estimated for active landfills)</i>		

### Model Parameters

Select the basis for determining decay rates (k):

IPCC climate zone

▼

Average annual precipitation

Average annual precipitation with leachate recirculation

IPCC climate zone

Select the climate zone applicable to the landfill site:

IPCC climate zone

and "Climate zones climatiques" to locate the climate zone applicable to the landfill's location. To open the zip file provided, download, extract all and open map or html link. Select the appropriate climate zone in the cell to the left.

# INPUT WORKSHEET – AVERAGE ANNUAL PRECIPITATION AND AVERAGE ANNUAL PRECIPITATION WITH LEACHATE RECIRCULATION

01

For both precipitation-based options, the user must enter the annual average precipitation obtained from the nearest weather station

02

If leachate recirculation takes place at the landfill, the user must enter the average annual leachate recirculated (in litres/year) and the landfill surface area (in m<sup>2</sup>)

## Model Parameters

Select the basis for determining decay rates (k):

Average annual precipitation

01

Enter annual precipitation:  mm

**Annual Precipitation:** In order to obtain the average annual precipitation, please use the link provided below to access the Canadian Climate Normals data. Under the tab "1991-2020", select the nearest weather station. On the next screen, select the "Normals Data" tab and scroll to the "Precipitation" table. The annual precipitation (in mm) is provided in the column titled "Year". Enter this number in the cell to the left.

[Canadian Climate Normals](#)

Decay rate precipitation category:

## Model Parameters

Select the basis for determining decay rates (k):

Average annual precipitation with leachate recirculation

01

Enter annual precipitation:  mm

Enter average annual leachate recirculated:  litres/year

Enter landfill surface area:  m<sup>2</sup>

Adjusted average annual precipitation:  mm

Decay rate precipitation category:

02

**Annual Precipitation:** In order to obtain the average annual precipitation, please use the link provided below to access the Canadian Climate Normals data. Under the tab "1991-2020", select the nearest weather station. On the next screen, select the "Normals Data" tab and scroll to the "Precipitation" table. The annual precipitation (in mm) is provided in the column titled "Year". Enter this number in the cell to the left.

[Canadian Climate Normals](#)

# INPUT WORKSHEET – AVERAGE ANNUAL PRECIPITATION

Average annual precipitation values can be obtained from the following webpage:

[Canadian Climate Normals - Climate - Environment and Climate Change Canada](#)

Select the nearest weather station - search by:

“Location Name”

“Province or Territory” or

“Proximity” (to a town/city or using GIS coordinates).

## Canadian Climate Normals

1991-2020

1981-2010

1971-2000

1961-1990

1951-1980

1941-1970

1931-1960

### 1991-2020 Climate Normals & Averages

Climate Normals and Averages are used to summarize or describe the average climatic conditions of a particular location.

At the completion of each decade, Environment and Climate Change Canada updates its Climate Normals for as many locations and as many climatic characteristics as possible. The Climate Normals, Averages and Extremes offered here are based on Canadian climate composite stations with at least 15 years of data between 1991 to 2020.

For more information, please see the [1991-2020 Calculation Information](#) document.

To view a list of locations for which Climate Normals have been calculated, please download the [Composite Station Inventory](#), or select and submit one of the following searches:

▶ Search by Location Name

▶ Search by Province or Territory

▶ Search by Proximity

▶ Bulk Data Download of the 1991-2020 Climate Normals & Averages

# INPUT WORKSHEET – AVERAGE ANNUAL PRECIPITATION

01

Click on the tab called “Normals Data”.

02

Scroll to the table called “Precipitation”.

03

Annual average precipitation value available in “Year” column.

▼ Precipitation

## 1991 to 2020 Canadian Climate Normals Data

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Year</u>	<u>Code</u>
<b>Rainfall (mm)</b>	38.1	29.5	45.7	82.8	84.3	86.2	77.6	80.8	87.7	82.1	76.2	41.3	812.2	A
<b>Snowfall (cm)</b>	42.7	32.2	20.4	4.9	0.1	0.0	0.0	0.0	0.0	2.2	13.3	36.5	152.3	A
<b>Precipitation (mm)</b>	80.8	61.7	66.1	87.7	84.4	86.2	77.6	80.8	87.7	84.1	89.5	79.0	965.5	A
<b>Average Snow Depth (cm)</b>	11	12	4	0	0	0	0	0	0	0	1	5	3	A
<b>Median Snow Depth (cm)</b>	10	12	3	0	0	0	0	0	0	0	0	4	2	A
<b>Snow Depth at Month-end (cm)</b>	13	9	0	0	0	0	0	0	0	0	2	7	3	A

# INPUT WORKSHEET – IPCC CLIMATE ZONE

Select the basis for determining decay rates (k):

IPCC climate zone

Select the climate zone applicable to the landfill site:

IPCC Wet

IPCC Wet

IPCC Dry

Climate zone: Please refer to the file called "Climate zones climatiques" to locate the climate zone applicable to the landfill's location. To open the zip file provided, download, extract all and open map or html link. Select the appropriate climate zone in the cell to the left.

If "IPCC Climate Zone" is selected, the user must select the climate zone applicable to the landfill.

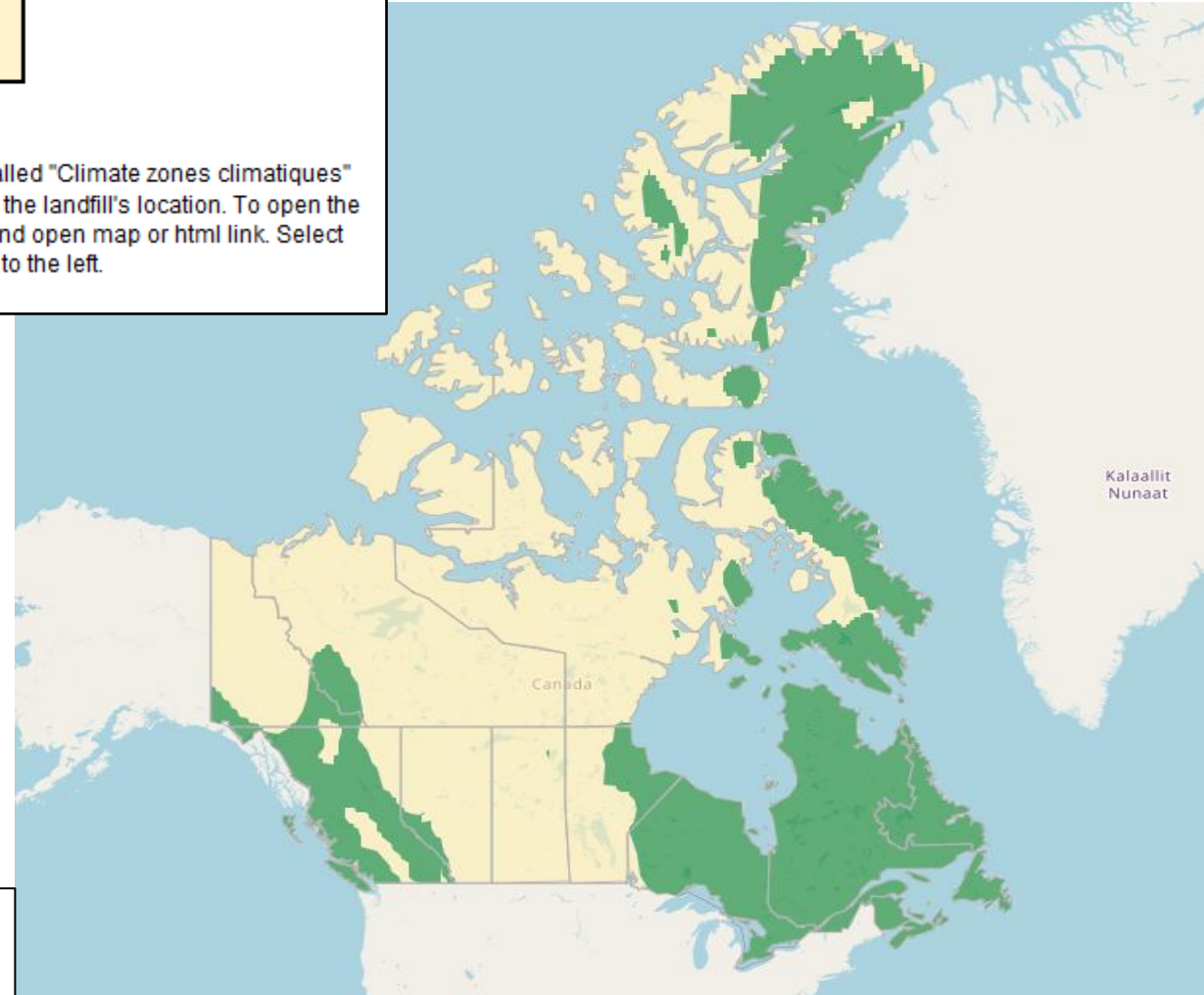
Maps are provided in .pdf and .html format showing "Dry" and "Wet" regions in Canada:

[Climate zones climatiques](#)

Note: IPCC "Boreal and Temperate" Climate Zone categories are applicable in Canada (mean annual temperature < 20°C):

- "IPCC Dry" -  $MAP/PET < 1$
- "IPCC Wet" -  $MAP/PET > 1$

MAP = Mean annual precipitation  
PET = Potential evapotranspiration



# INPUT WORKSHEET – ANNUAL WASTE DISPOSAL – OPTIONS

**01** Select whether waste quantities will be entered as “Bulk MSW” or “Sector of Origin”.

- ❖ “Sector of Origin” requires annual disposal data for each sector (Residential, ICI and C&D).
- ❖ “Bulk MSW” includes all Residential, ICI and C&D waste.

**02** Specify if user-defined waste composition percentages will be entered.

**03** Specify if future waste diversion will be modelled (not relevant for Methane Generation Assessment).

## Annual Waste Disposal

Will annual waste disposed be entered as bulk MSW or by sector of origin (Residential, ICI, C&D)?

Bulk MSW

Do you want to enter user-defined waste composition percentages?

Yes

Note: If you have selected “yes”, please provide additional input in the “WASTE COMPOSITION” sheet

Do you want to model the impact of future diversion of biodegradable waste?

Yes

Note: If you have selected “yes”, please provide additional input in the “DIVERSION” sheet.

First year of diversion.

2026

Year	Annual Waste Disposed (Prior to Diversion)						
	Bulk Municipal Solid Waste	Residential Waste	ICI Waste	C&D Waste	Wastewater sludge or biosolids (wet weight)	Soil (Contaminated or other soils - does not include landfill cover)	Total Waste Disposed
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
1960	100,000				5,000	10,000	115,000
1961	100,000				5,000	10,000	115,000
1962	100,000				5,000	10,000	115,000
1963	100,000				5,000	10,000	115,000
1964	100,000				5,000	10,000	115,000
1965	100,000				5,000	10,000	115,000

# INPUT WORKSHEET – ANNUAL WASTE DISPOSAL – BULK MSW

## Annual Waste Disposal

01

Enter annual quantity (in tonnes) of bulk MSW disposed for each year of landfill operation.

02

Enter annual quantity (in tonnes) of wastewater sludge and soil (these quantities are not included in the Bulk MSW totals).

❖ “Soil” includes contaminated or other soils but not landfill cover.

Will annual waste disposed be entered as bulk MSW or by sector of origin (Residential, ICI, C&D)?

Bulk MSW

Do you want to enter user-defined waste composition percentages?

Yes

Note: If you have selected "yes", please provide additional input in the "WASTE COMPOSITION" sheet

Do you want to model the impact of future diversion of biodegradable waste?

Yes

Note: If you have selected "yes", please provide additional input in the "DIVERSION" sheet.

First year of diversion.

2026

Year	Annual Waste Disposed (Prior to Diversion)						
	Bulk Municipal Solid Waste	Residential Waste	ICI Waste	C&D Waste	Wastewater sludge or biosolids (wet weight)	Soil (Contaminated or other soils - does not include landfill cover)	Total Waste Disposed
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
1960	100,000				5,000	10,000	115,000
1961	100,000				5,000	10,000	115,000
1962	100,000				5,000	10,000	115,000
1963	100,000				5,000	10,000	115,000
1964	100,000				5,000	10,000	115,000
1965	100,000				5,000	10,000	115,000

Gaps in annual waste disposal should be filled by applying assumptions that make use of available information such as:

- Per capita disposal estimates combined with population data
- Landfill airspace utilization estimated combined with approximate waste density to calculate quantities of waste disposed
- Extrapolating the earliest available annual waste disposal data back in time

# INPUT WORKSHEET – ANNUAL WASTE DISPOSED – SECTOR OF ORIGIN

## Annual Waste Disposal

Will annual waste disposed be entered as bulk MSW or by sector of origin (Residential, ICI, C&D)?

Do you want to enter user-defined waste composition percentages?  Note: If you have selected "yes", please provide additional input in the "WASTE COMPOSITION" sheet

Do you want to model the impact of future diversion of biodegradable waste?  Note: If you have selected "yes", please provide additional input in the "DIVERSION" sheet.

First year of diversion.

01

Enter annual quantity (tonnes) of Residential, ICI and C&D waste for each year of landfill operation.

02

Enter annual quantity of wastewater sludge and soil, which should not be included in the sector waste totals.

❖ “Soil” includes contaminated or other soils but not landfill cover.

Year	Annual Waste Disposed						
	Bulk Municipal Solid Waste	Residential Waste	ICI Waste	C&D Waste	Wastewater sludge or biosolids (wet weight)	Soil (Contaminated or other soils - does not include landfill cover)	Total Waste Disposed
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
1960		50,000	25,000	25,000	5,000	10,000	115,000
1961		50,000	25,000	25,000	5,000	10,000	115,000
1962		50,000	25,000	25,000	5,000	10,000	115,000
1963		50,000	25,000	25,000	5,000	10,000	115,000
1964		50,000	25,000	25,000	5,000	10,000	115,000
1965		50,000	25,000	25,000	5,000	10,000	115,000

❖ Note - If “Sector of Origin” waste disposal is selected, it is not possible to enter user-defined waste composition or model the impact of diversion. Ensure “No” is selected in grey-shaded cells.

# WASTE COMPOSITION WORKSHEET (OPTIONAL)

Where option to provide user-defined waste composition data is selected (bulk waste only), this data is entered in the “WASTE COMPOSITION” worksheet.

- Values must be entered in the green-shaded “User-Defined” columns for all years and for all waste materials.
- For years where user-defined data is not available, default bulk waste composition values (provided in “Default” columns) must be entered in the “User-Defined” cells.

Year	P/T	Food		Paper		Soiled Paper		Wood		Yard and Garden		Diapers and Sanitary		Pet Waste	
		Default	User-Defined	Default	User-Defined	Default	User-Defined	Default	User-Defined	Default	User-Defined	Default	User-Defined	Default	User-Defined
1960	ON	12%	10%	43%	30%	0%	6%	2%	7%	11%	10%	0%	0%	0%	3%
1961	ON	12%	10%	43%	30%	0%	6%	2%	7%	11%	10%	0%	0%	0%	3%
1962	ON	12%	10%	43%	30%	0%	6%	2%	7%	11%	10%	0%	0%	0%	3%
1963	ON	12%	10%	43%	30%	0%	6%	2%	7%	11%	10%	0%	0%	0%	3%
1964	ON	12%	10%	43%	30%	0%	6%	2%	7%	11%	10%	0%	0%	0%	3%
1965	ON	12%	10%	43%	30%	0%	6%	2%	7%	11%	10%	0%	0%	0%	3%

Rubber and Leather		Textiles		Other - Unknown		Inert		Check	Reference/Source
Default	User-Defined	Default	User-Defined	Default	User-Defined	Default	User-Defined		
0.3%	3%	1%	1%	0%	3%	27%	27%	100%	
0.3%	3%	1%	1%	0%	3%	27%	27%	100%	
0.3%	3%	1%	1%	0%	3%	27%	27%	100%	
0.3%	3%	1%	1%	0%	3%	27%	27%	100%	
0.3%	3%	1%	1%	0%	3%	27%	27%	100%	
0.3%	3%	1%	1%	0%	3%	27%	27%	100%	

User-defined values may be sourced from available waste audits completed for municipalities generating waste disposed at the landfill, or from waste audits completed at the landfill.

Ensure the totals add to 100% in the “Check” column.

# RESULTS WORKSHEET

“RESULTS” worksheet provides:

- Graph of annual methane generation (showing impact of diversion, if modelled)
- Table with quantities of annual waste disposed, waste in place and methane generation (in tonnes, m<sup>3</sup> of methane and scfm LFG)
- Summary of model parameters used in calculation

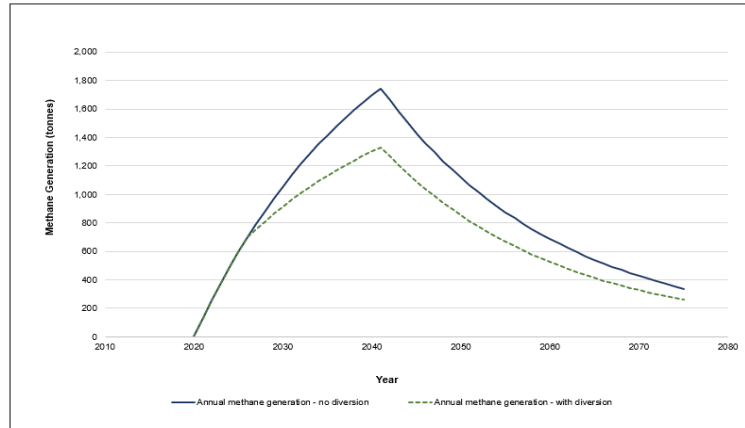
Landfill Methane Modelling Tool: Results

Landfill Name: Landfill

Province: AB

Year opened: 2020

Closure year: 2040



Year	Total Annual Waste Disposed	Total Waste in Place	Methane generation (no diversion)		
	tonnes/year	tonnes	tonnes/year	m <sup>3</sup> methane/year	scfm LFG (standard cubic feet per minute)
2020	50,000	50,000	0	0	0
2021	50,000	100,000	133	202,245	27
2022	50,000	150,000	257	392,112	53
2023	50,000	200,000	376	572,610	77
2024	50,000	250,000	488	744,216	100
2025	50,000	300,000	595	907,382	122
2026	50,000	350,000	697	1,062,536	143
2027	50,000	400,000	794	1,210,083	163
2028	50,000	450,000	886	1,350,408	182
2029	50,000	500,000	973	1,483,877	200
2030	50,000	550,000	1,057	1,610,835	217
2031	50,000	600,000	1,136	1,731,610	233
2032	50,000	650,000	1,211	1,846,514	248
2033	50,000	700,000	1,283	1,955,842	263
2034	50,000	750,000	1,351	2,059,873	277
2035	50,000	800,000	1,416	2,158,874	290
2036	50,000	850,000	1,478	2,253,095	303

Total Annual Waste Disposed (with diversion)	Methane generation (with diversion)				
	tonnes/year	tonnes/year	m <sup>3</sup> methane/year	scfm LFG (standard cubic feet per minute)	% reduction
50,000	0	0	0	0	0%
50,000	133	202,245	27	0%	
50,000	257	392,112	53	0%	
50,000	376	572,610	77	0%	
50,000	488	744,216	100	0%	
50,000	595	907,382	122	0%	
40,484	697	1,062,536	143	0%	
40,484	755	1,151,558	155	5%	
40,484	811	1,236,255	166	8%	
40,484	864	1,316,844	177	11%	
40,484	914	1,393,530	187	13%	
40,484	962	1,466,509	197	15%	
40,484	1,008	1,535,967	207	17%	
40,484	1,051	1,602,079	215	18%	
40,484	1,092	1,665,013	224	19%	
40,484	1,132	1,724,927	232	20%	
40,484	1,169	1,781,970	240	21%	

## User-selected and Default Model parameters

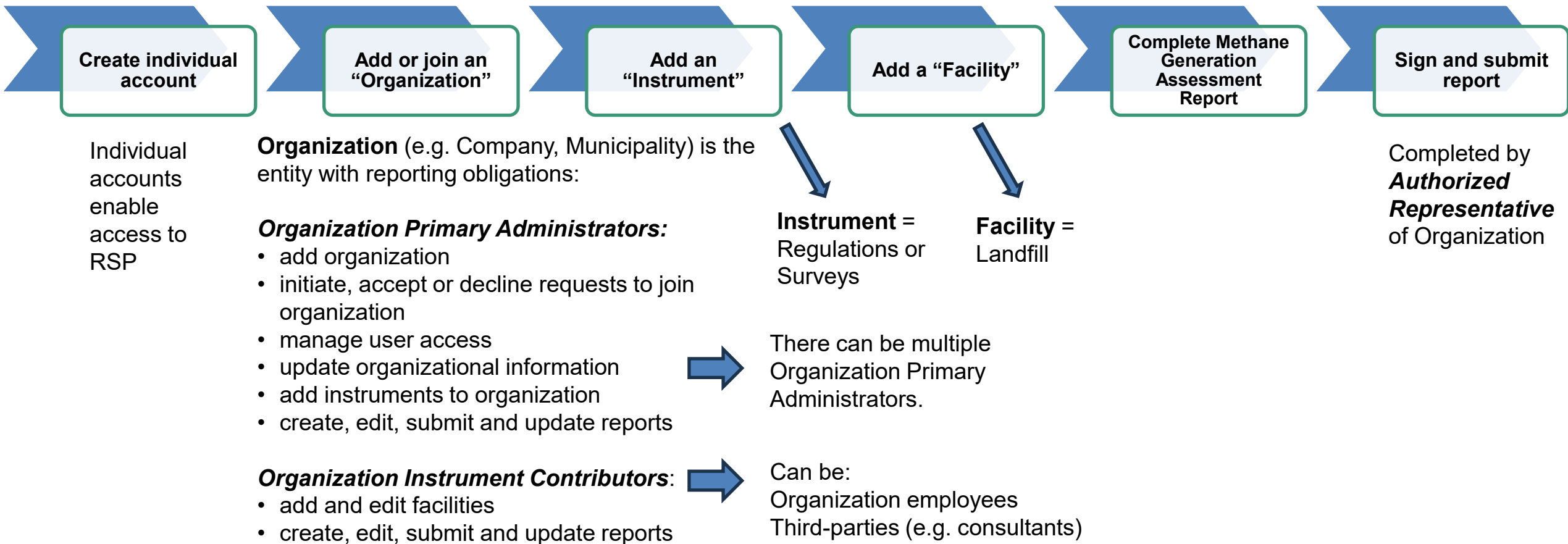
The following material parameters were used in the methane generation calculations, based on user selections and inputs:

Waste Type	Decay Rate (k) (User-selected)	DOC (Default)	DOC <sub>c</sub> (Default)
	IPCC climate zone		
	IPCC Dry		
Food	0.06	0.15	0.7
Paper	0.04	0.4	0.5
Yard and Garden	0.05	0.2	0.7
Soiled Paper	0.05	0.4	0.5
Wood	0.02	0.43	0.1
Textiles	0.04	0.24	0.5
Pet Waste	0.06	0.24	0.5
Diapers and Sanitary	0.05	0.24	0.5
Rubber and Leather	0.02	0.39	0.1
Other - Residential	0.05	0.1	0.5
Other - ICI	0.05	0.05	0.5
Other - Unknown	0.05	0.05	0.5
Sludge	0.06	0.05	0.7
Soil	0.02	0.03	0.1

Other Parameters and Defaults		Constants	
Methane Correction Factor (MCF)	1	Molar ratio of CH <sub>4</sub> :C	1.33
CH <sub>4</sub> content in LFG (%CH <sub>4</sub> )	50%	CH <sub>4</sub> density (at 25 °C and 1 atm) (kg/m <sup>3</sup> )	0.656

# METHANE GENERATION ASSESSMENT REPORT AND RSP

- Regulatory Services Platform (RSP) is a secure reporting platform to submit regulatory information to ECCC
- Methane Generation Assessment Report will be the first regulatory report required under the *Landfill Methane Regulations* to be reported in this system.



# STEP 1 - SIGN-IN AND CREATE AN ACCOUNT

From the [RSP home page](#), click “Sign in to RSP” in the **Landfill Methane Regulations** row

The next screen will require you to select a sign in method:

- Sign-in Partner (using online banking credentials)
  - third-party secure sign-in service that uses your online banking or credit card usernames and passwords. No passwords or personal information are disclosed to the Government of Canada.
- GCKey (Government issued credentials)
  - Government of Canada secure sign-in service for which you must create a username and password. To learn more and create a GC Key go to: [GCKey help - Canada.ca](#).

If you do not have an RSP account, you will be prompted to enter the required information to create one.

### Welcome to the Regulatory Services Platform




The Regulatory Services Platform (RSP) is an online tool designed to support environmental protection while streamlining processes for Canadians, businesses and organizations.

The RSP enables users to efficiently meet their environmental obligations and commitments while facilitating an effective approach to the implementation of Environment and Climate Change Canada (ECCC) environmental risk management instruments.

The platform currently allows users to provide information and data to ECCC for the following instruments:

Filter items

Apply

Instrument name 	Instrument description 	Instrument link 
Clean Electricity Regulations (CER)	The Regulations set limits for carbon dioxide emissions from electricity generating units that burn fossil fuels and meeting the applicability criteria, starting in 2035.	<a href="#">Sign in to RSP</a>
Federal Plastics Registry (FPR)	The FPR is designed to monitor and track plastics from production to end-of-life. It requires plastic resin manufacturers, producers of plastic products, and service providers to report annually on the quantity and types of plastic they place on the Canadian market, as well as how that plastic moves through the economy.	<a href="#">Sign in to RSP</a>
Landfill Gas Survey	The Landfill Gas Survey is a biennial, voluntary submission of landfill and landfill gas collection data to support Canada's greenhouse gas inventory and policy development.	<a href="#">Sign in to RSP</a>
Landfill Methane Regulations	The <i>Landfill Methane Regulations</i> require certain landfills that have received municipal solid waste to: control methane emissions; monitor the landfill surface, landfill gas monitoring wells and landfill gas monitoring systems; and take action within specified timelines to resolve exceedances of surface methane concentration limits or address methane leaks in equipment.	<a href="#">Sign in to RSP</a>

# STEP 2 – CREATE OR JOIN AN ORGANIZATION

01

From home page, click “Find organizations” and enter either the business name or business number of the organization.

02

If the organization already exists, select “Yes” and then “Request Access” on the next screen. A request will be sent to the “Organization Primary Administrator” (OPA) for approval.

03

If your organization has not been created – and if you will act as an OPA – select “Create new organization” and enter the required information. OPAs must be authorized to act on behalf of the organization.

## Find organizations

Use the following form to search for existing organizations within our database.

- Fields marked with an asterisk ( \* ) are mandatory.
- Either search for an organization by business name or by business number.
- [Canada's Business Registries](#) can be consulted to search for existing businesses and their nine-digit business numbers.

Find organizations

Business number \*

Business name \*

## Find organizations

Use the following form to search for existing organizations within our database.

- Fields marked with an asterisk ( \* ) are mandatory.
- Either search for an organization by business name or by business number.
- [Canada's Business Registries](#) can be consulted to search for existing businesses and their nine-digit business numbers.

Organization general information

Business name <input type="text"/>	Business number 123456788
Postal address 351 Boulevard Saint-Joseph	Civic address 351 Boulevard Saint-Joseph
<input type="text"/>	<input type="text"/>
Gatineau, QC, CA	Gatineau, QC, CA
J8Y 3Z5	J8Y 3Z5
Business phone (819) 221-1111	Ext. <input type="text"/>

Organization information

**Landfill Organization A**

Business name Landfill Organization A	Business number 123456788
Postal address 351 Boulevard Saint-Joseph	Civic address 351 Boulevard Saint-Joseph
<input type="text"/>	<input type="text"/>
Gatineau, QC, CA	Gatineau, QC, CA
J8Y 3Z5	J8Y 3Z5
Business phone (819) 221-1111	Ext. <input type="text"/>

**Join this organization**

Do you want us to notify the Primary Admin(s) that you would like to join this organization? The Primary Admin(s) will be provided your email and name.

Message

Confirm (required):

**This organization exists**

Do you want us to notify the Primary Admin(s) that you would like to join this organization? The Primary Admin(s) will be provided your email and name.

Were you referring to any of these similar organizations?

From the information you provided, there are 5 potential matching organizations in our system. Please verify if any of these organizations represent yours and if so, join that organization instead of creating a new one.

- Landfill 1 - BN: 123456788**  
351 Boulevard Saint-Joseph Gatineau QC J8Y 3Z5 CA  
[View this organization](#)
- Landfill Org - BN: 123645765**  
4905 Dufferin Toronto ON M5R 0C3 CA  
[View this organization](#)
- Landfill 3 - BN: 123456891**  
351 boul. Saint Joseph Gatineau QC K1A 0H3 CA  
[View this organization](#)
- Landfill Org 2 - BN: 356755555**  
Toronto ON  
[View this organization](#)
- Landfill Org 3 - BN: 153698653**  
Toronto ON  
[View this organization](#)

Confirm (required):

I confirm that I have reviewed the organizations above and none match my organization.

# STEP 3 – USER MANAGEMENT (OPA ONLY)

Only an OPA can initiate, accept or refuse join requests.

➤ On the organization dashboard, click “User management”

1. “View requests” to view, accept or deny requests to join. (User roles are also confirmed when requests to join are accepted.)
2. “Invite user” to send an invitation to join the organization and to assign user roles and access to specific instruments.
3. Existing user roles and access can be updated.

## Organization dashboard

### Landfill Organization A - Organisation Lieu d'enfouissement A

User role: Organization Primary Administrator

Quick actions

+ Add an instrument   Edit this organization   **User management**

## Regulatory instruments

The table below lists the regulatory instruments added to this organization. Use the "Add an instrument" button above to add more.

Filter items   
Apply

Instrument name ↑↓	Reports ↑↓
<a href="#">Landfill Methane Regulations</a>	6 reports <ul style="list-style-type: none"><li>• 2 submitted</li><li>• 4 drafts</li></ul>

01

## View requests

Legend:

- OPA: Organization Primary Admin
- OIC: Organization Instrument Contributor
- PRO: Producer Responsibility Organization

### Landfill Organization A - Organisation Lieu d'enfouissement A: Requests

Request details	Actions
<b>Name:</b> New user <b>Email:</b> new.user@ec.gc.ca <b>Job title:</b> Scientist <b>Organization:</b> Environment and Climate Change Canada <b>Request created on:</b> 2026-02-16, 3:10:25 p.m.	<input checked="" type="checkbox"/> Accept as OPA <input checked="" type="checkbox"/> Accept as OIC <input checked="" type="checkbox"/> Accept as PRO <input checked="" type="button" value="Deny"/>

02

## Invite user

As an Organization Primary Administrator (OPA), this page will allow you to invite users to an organization.

Types of roles

**Organization Primary Administrator (OPA)** has the ability to:

- Invite and manage users within an organization
- Add instruments to an organization
- Create and submit reports

**Organization Individual Contributor (OIC)** has the ability to:

- Create and submit reports

**Producer Responsibility Organization (PRO)** has the ability to:

- Create reports but cannot submit reports

Invitation information

Email \*

rmle-lmr@ec.gc.ca

03

## User management

Invite user   View requests

As an Organization Primary Administrator, this page will allow you to manage Organization users access to instruments, remove and invite a user. As well as see items such as the assigned instruments, and their status of registration.

Filter items  Showing 1 to 2 of 2 entries | Show  entries

User ↑↓	Status ↑↓	Email ↑↓	Actions ↑↓
Landfill Owner	Active	landfill.owner@city.ca	<a href="#">Manage access</a>
Other User	Active	other.user@email.com	<a href="#">Remove</a>

# STEP 3 - ADDING INSTRUMENTS TO ORGANIZATION (OPA ONLY)

From the **Organization Dashboard**:

1. Select "Add an instrument" in the dashboard and on the "Add instrument" screen, select "Add Instrument" in the Landfill Methane Regulations row.
2. View Regulatory Instruments already attached to the Organization and the number and status of reports submitted under each instrument

## Organization dashboard

### Landfill Organization A / Organisation Lieu d'enfouissement A

User role: Organization Primary Administrator

Quick actions

**+ Add an instrument** | Edit this organization | User management

## Regulatory instruments

The table below lists the regulatory instruments added to this organization. Use the "Add an instrument" button above to add more.

Filter items    
 **Apply**

Instrument name	Reports
<b>Landfill Methane Regulations</b>	0 reports

01

## Add instrument

Signed in as William [Account settings](#) [Sign out](#)

Instrument

- Please add the appropriate regulatory instrument (e.g., regulations) for your organization. This will add the instrument to your organization's dashboard, to allow you to see draft data and submitted data.

Filter items  Showing 1 to 4 of 4 entries | Show 10 entries

Instrument	Add
Landfill Gas Survey	Add instrument
Landfill Methane Regulations	Add instrument
Prohibition of Certain Toxic Substa	Add instrument
Reduction in the Release of Volatile Organic Compounds (Storage and Loading of Volatile Petroleum Liquids) Regulations	Add instrument

**Add instrument**   
 Landfill Methane Regulations has been added   
 [Return to organization dashboard](#)

02

# STEP 3 – ADDING FACILITIES AND REPORTS

From the **Instrument dashboard**:

1. Use “Manage facilities” to add new facility or edit existing facility information
2. View reports and report status or access draft reports
3. Create a new report

## Instrument dashboard

### Organization and instrument

Below is the information for the organization **Landfill 1**, associated with the regulatory instrument **Landfill Methane Regulations**, also referred to as **LMR**

Create new report

Methane generation assessment report

03

Create

Manage facilities

### Filters

#### ▼ Status

- All
- Submitted

Report type	Facility name	Status	Actions	Last updated
Methane generation assessment		Draft	<a href="#">Edit</a>	2026-02-12, 2:59:07 PM

02

01

## Landfill Organization A / Organisation Lieu d'enfouissement A - Landfill Methane Regulations - facilities

Add new facility

Facility name	Instrument	Last updated	Action
No data available			

### Information required to create a facility

- Civic and mailing addresses
- Geographical coordinates (expressed in decimal degrees to 5 decimal points)

# STEP 4 – COMPLETING THE REPORT

## SELECT FACILITY



### Review facility information

Data on this page is pre-populated with facility information already entered in RSP. If any of the information is incorrect, please go to your Organization Dashboard, click "Manage facilities" and update information, as needed. Any facility information not already entered into RSP can be added using the fields below.

### Organization name

Organization name \*

Landfill 1

### Landfill identification

Select facility (landfill) \*

- Select a facility -

01

Provincial or territorial operating permit identifier

Please provide the provincial or territorial operating permit identifier for the landfill.

Create new facility

02

✓ Save and continue

1. Select the facility and review facility information.
2. If the facility has not yet been created, this can be done by selecting "Create new facility".

Once a facility has been created/selected, the following information must be entered as part of the report:

#### Landfill identifiers

Provincial or territorial operating permit identifier used for provincial/territorial reporting  
GHGRP reporting identification number (if any)  
NPRI identification number (if any)

#### Landfill owner and operator information

Identification information on the owner and operator of the landfill and landfill gas management system (if applicable)

#### Records location

Location of records required to be maintained under the Regulations (this must be a location in Canada)

# STEP 4 – COMPLETING THE REPORT

## LANDFILL STATUS AND WASTE DISPOSAL INFORMATION

### Reporting year

- The year to which information in this report relates.

### Landfill status

- Landfill operational status at the end of the reporting year (open or closed)
- Date landfill opened
  - Date on which the landfill began receiving waste
- Date the landfill closed or expected to close
  - Date on which the landfill last received waste. In the case of an open landfill, the projected date that the landfill will cease to receive waste (estimated closure date)

### Waste disposal

- Quantity of municipal solid waste (MSW) in place at the end of the reporting year (2025) (tonnes) and method used to determine the annual quantity
  - Total quantity of MSW in place at the landfill, excluding non-contiguous portions in which no municipal solid waste was disposed of after January 1, 2010, under final cover
- Annual quantity of waste disposed in 2025 (tonnes)
  - Total MSW, sludge/biosolids, fill and soil, other waste
  - Residential/ICI/CRD waste

### Portions of the landfill exempt under subsection 3(3) of the Regulations

- Upload a map showing the location of any non-contiguous portions in which **no** MSW was disposed after January 1, 2010 under final cover
- Date on which the portion last received waste
- Quantity of total MSW in this portion

**Landfill status**

**Landfill operational status at end of reporting year \***

- Select - ▾

The operational status of the landfill at the end of the reporting year.

**Date the landfill opened \***

mm/dd/yyyy 📅

The date on which the landfill began receiving waste (opening date)

**Date the landfill closed or is expected to close \***

mm/dd/yyyy 📅

The date on which the landfill last received waste (closure date). In the case of open landfill, the projected date on which the landfill will last receive waste (estimated closure date)

**Waste in place**

**Quantity of municipal solid waste in place at the end of the reporting year (tonnes) \***

The total quantity of municipal solid waste in place at the landfill from the opening year to the end of the reporting year, excluding the quantity of waste in place in any portions exempt under subsection 3(3) of the Regulations.

**Annual waste disposed**

**Total waste disposed**

Quantity of municipal solid waste (tonnes) \*

**Portions of the landfill exempt under subsection 3(3)**

Does the landfill include any non-contiguous portions (landfilled areas) in which no municipal solid waste was disposed after January 1, 2010 and that are under final cover? \*

Yes ▾

Portion identifier *	Date waste was last disposed in this portion *	Quantity of total municipal solid waste in place in this portion (tonnes) *
<input type="text"/>	mm/dd/yyyy 📅	<input type="text"/>

⏪ ⏩

# STEP 4 – COMPLETING THE REPORT

## ANNUAL METHANE GENERATION, EXISTING CONTROLS, NEXT COMPLIANCE DATE

### Annual methane generation

- Quantity of 2025 methane generation (tonnes)
- Upload copy of ECCC Landfill Methane Modelling Tool
- Upload any waste characterization reports containing data used to calculate methane generation (if applicable)

### Existing methane control

Select from:

- Active LFG recovery and flaring only
- Active LFG recovery and energy generation
- Active LFG recovery and treatment in biofilter
- Active LFG recovery and RNG production
- Passive LFG landfill recovery and flaring
- Passive LFG landfill recovery and treatment in biofilter
- Biocover
- None
- Other

Start-up date of any active LFG recovery system & upload map showing location of existing LFG recovery wells

### Future compliance requirements and timelines

- Confirmation of the next compliance requirement and date requirements begin.  
Select from:
  - No further requirements
  - Annual methane generation report (section 4)
  - Methane control, monitoring, record-keeping and reporting (sections 7 to 24)
- Refer to Regulations and guidance materials for information on implementation dates

#### Annual methane generation

Quantity of methane generated in the reporting year (tonnes) \*

Please upload a copy of the completed ECCC methane modelling tool \*

[Choose Files](#) | No file chosen

[Upload requirements](#)

Please upload any waste characterization reports containing data used to calculate methane generation

[Choose Files](#) | No file chosen

[Upload requirements](#)

#### Existing methane control

Type of methane control system in place at the end of the reporting year \*

Start-up date of any active LFG recovery system

Please upload a map showing the location of existing landfill gas recovery wells

[Choose Files](#) | No file chosen

[Upload requirements](#)

#### Future compliance requirements and timelines

Next compliance requirement \*

- Select -

Based on the results of the Methane Generation Assessment, please confirm the next compliance requirement under the regulations and the date the requirement begins (or must be submitted, in the case of a subsequent Methane Generation Assessment Report).

Date of next compliance requirement

Date next compliance requirement begins or is due to be submitted

# STEP 4 – COMPLETING THE REPORT

## ATTESTATION AND ELECTRONIC SIGNATURE

### Contact person

- A contact for the report must be identified to facilitate follow-up communication with ECCC. The form provides the option to either identify the contact person as the same as the authorized official or to enter information on the contact person, if not the same.

### Authorized official

- The report must be submitted by an “Authorized official” of the landfill owner or operator.
- “The Authorized official” is either an officer of the corporation who is authorized to act on its behalf (when the owner or operator is a corporation) or, for other entities, an individual who is authorized to act on behalf of the landfill owner or operator.
- To submit the report, the Authorized official must access the report and navigate to the “Electronic signature” page.
  - Information for the Authorized Official is pre-populated from the account settings of the person accessing the report.

#### Contact person

If applicable, a contact person other than the authorized official can be identified for this Methane Generation Assessment Report. ECCC will communicate with the contact person as needed, to clarify information submitted in this report.

Is the contact person the same as the authorized official? \*

- Yes  
 No

#### Authorized official

Please refer to subsection 1(1) of the Landfill Methane Regulations for the definition of “authorized official”.

Only the owner or operator or their authorized official can sign on behalf of the organization. By checking this box, your information will automatically be included as the authorized official. Please ensure you are the appropriate authorized official, prior to submitting this Report.

This data is retrieved from the current user’s “Account settings” section. To edit the fields in this section, please go to “Account settings” to edit. This information changes based on the current user. Please review this information prior to submitting, as these fields will be submitted as part of the report.

Name of the authorized official

Landfill Owner

**Electronic signature \***

By checking this box, I, **Landfill Owner**, am providing my electronic signature certifying that I am authorized to act on behalf of **Landfill Organization A - Organisation Lieu d'enfouissement A** as the authorized official, and attesting that the information provided in the **Methane Generation Assessment** is accurate and complete.

< Previous Preview

# STEP 4 – COMPLETING THE REPORT PREVIEW AND SUBMIT

## Full report view

1 Facility      2 Report      3 Electronic signature      4 Preview and submit

**Facility**

Organization name  
Organization name Landfill Organization A - Organisation Lieu d'enfouissement A

Landfill identification  
Provincial or territorial operating permit identifier 1223321  
Landfill name RMLE LMR Landfill / Lieu d'enfouissement

Authorized official  
Name of the authorized official Landfill Owner  
Email address of the authorized official landfillowner@city.ca  
Title of the authorized official Tester  
Civic address of the authorized official 351 boul. Saint Joseph, 351 boul. Saint Joseph, Gatineau, QC, K1A 0H3, CA  
Postal address of the authorized official 351 boul. Saint Joseph, 351 boul. Saint Joseph, Gatineau, QC, K1A 0H3, CA  
Phone number of the authorized official 819-221-1111  
Organization submitting the report Landfill 1  
Electronic signature Signed by current user: Yes

[Edit](#)

< Previous    **Submit**

### Preview and submit

- Once electronic signature is complete, a preview of the completed report can be accessed to enable a final review of the submission.
- Reports entries can be updated by selecting “Edit”, which opens the “Report” section.
- The report is submitted using the “Submit” button

# RSP HELP & SUPPORT

- At any time, tabs at the top of platform webpage allow you to review/update account information and access RSP help and support



- Home: takes you to the list of your organizations
  - Account settings can be reviewed and updated by clicking “Account Settings” on any page
  - When you are done using the platform, select “Sign Out” to securely exit the platform.
- Help and support: Documents on how to access RSP and other resources can be found here.
  - Use the “Support Request” button to send RSP a ticket. A form will appear to collect information on the issue or question and a ticket will be sent through the RSP system.

## Help and support

Welcome to the Knowledge Articles Page!

As you explore the platform, you may have program-related or technical questions. Please refer to the featured topics listed below for answers. If you have any general inquiries about the Regulatory Services Platform (RSP), please contact the Regulatory Innovation and Management Systems team at [msr-rsm@ec.gc.ca](mailto:msr-rsm@ec.gc.ca).

IT/Technical Support | Program Support

▼ Connection Issues

▼ [What should I do if the platform is offline?](#)

Article ID: KA-00020

If the platform is offline or inaccessible, it could be due to scheduled maintenance or an unexpected outage. Try refreshing the page or checking if there are any service updates or announcements on the platform's website.

Send a [Support Request](#)

▶ How do I resolve a connection error?

▶ Login Issues

▶ Software Bugs

▶ Performance Issues

▶ Workstation Issues

IT/Technical Support | Program Support

▶ Notice with respect to reporting for the Federal Plastics Registry (FPR)

▶ Volatile Organic Compounds

▼ [Landfill Methane Regulations](#)

▶ ECCC landfill methane modelling tool and guidance slides

▶ Technical guidance document on estimating, measuring and monitoring landfill methane

# HOW TO STAY UP TO DATE

## Contact Information

- Reminder emails and invitations to webinars – please make sure we have correct contact information

## Regulatory resources

- [LMR Google Drive](#) – established to house all regulatory and guidance material in one place; will be updated from time to time

## Upcoming webinars:

- Monitoring requirements – Spring 2026

## Ongoing work:

- Development of FAQs and an implementation guide to provide plain language description of regulatory requirements
- Contact us at: [RMLE-LMR@ec.gc.ca](mailto:RMLE-LMR@ec.gc.ca)

# Q&A SESSION

- Please use the Q&A function to pose your question.
- You can use the “upvote arrow” button to raise the profile of a question.
- We may not be able to answer all your questions during the webinar so feel free to email us if we don't get to your question or if you have any further questions.
- Contact us at: [RMLE-LMR@ec.gc.ca](mailto:RMLE-LMR@ec.gc.ca)

# ANNEX

# APPLICATION – WHICH LANDFILLS ARE REGULATED?

## Regulations apply at landfills where:

> 450,000 tonnes municipal solid waste-in place and any quantity of municipal solid waste disposed after January 1, 2010

or

>200,000 tonnes of municipal solid waste-in-place and >20,000 tonnes of municipal solid waste disposed in 2025 or any subsequent year

**Municipal Solid Waste (MSW)** is waste generated by the residential, commercial, institutional, construction, renovation, demolition or land clearing sources

**Municipal solid waste-in-place** is the total quantity of MSW that has been disposed at the landfill since it opened.

Certain types and portions of **landfills that are exempt from any obligations** under the regulations:

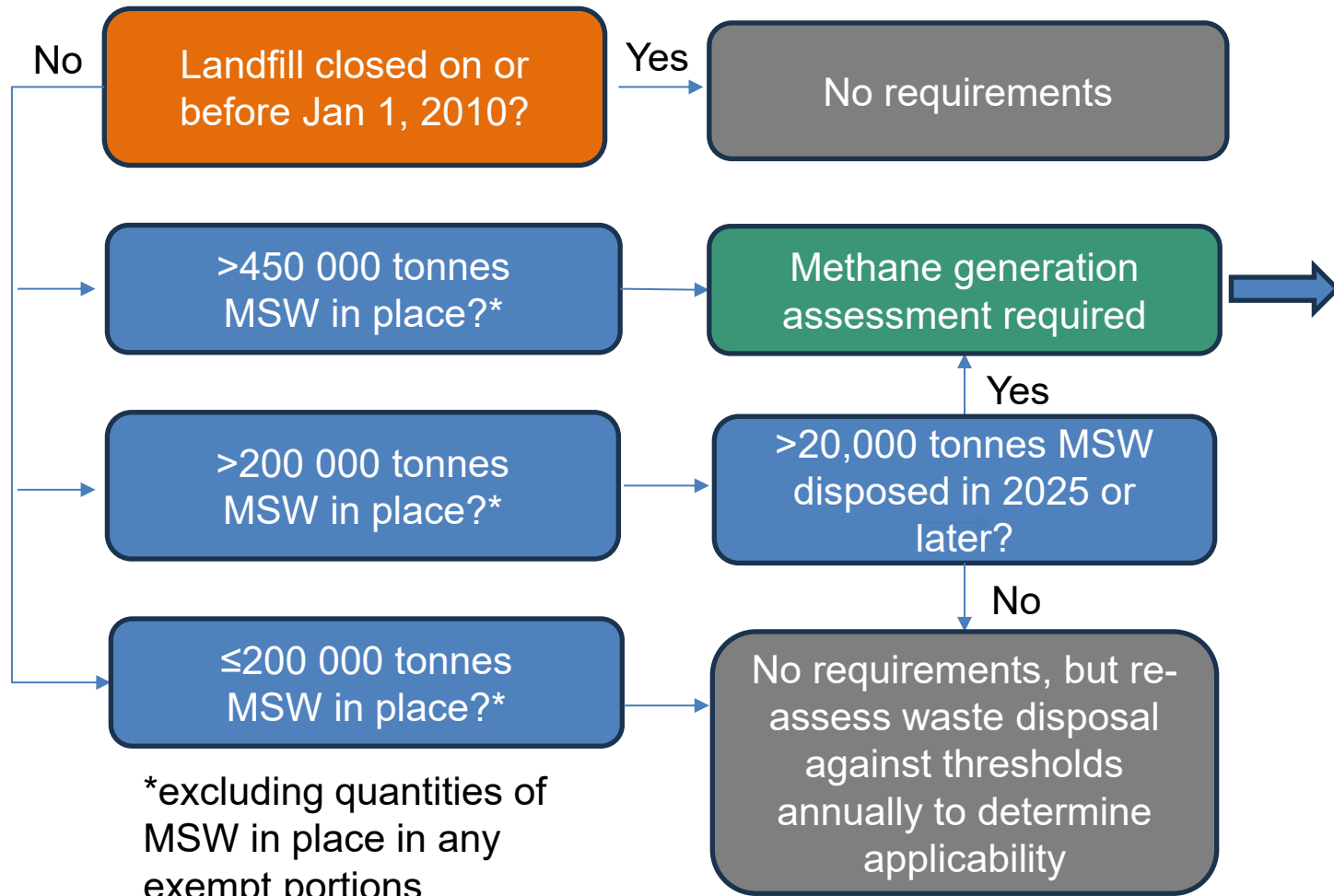
Entire landfills if the only waste disposed is:

- hazardous waste;
- waste produced by forest products operations;
- non-biodegradable waste (e.g. soil, rock, asphalt, concrete, brick, glass, clay, slag, asbestos-containing waste and metals); or
- waste produced by construction and demolition activities.

Portions of landfilled areas if:

- non-contiguous (i.e. separate from other portions of the landfill)
- did not receive waste after January 1, 2010
- have final cover in place

# DETERMINING APPLICABILITY FOR METHANE GENERATION ASSESSMENT

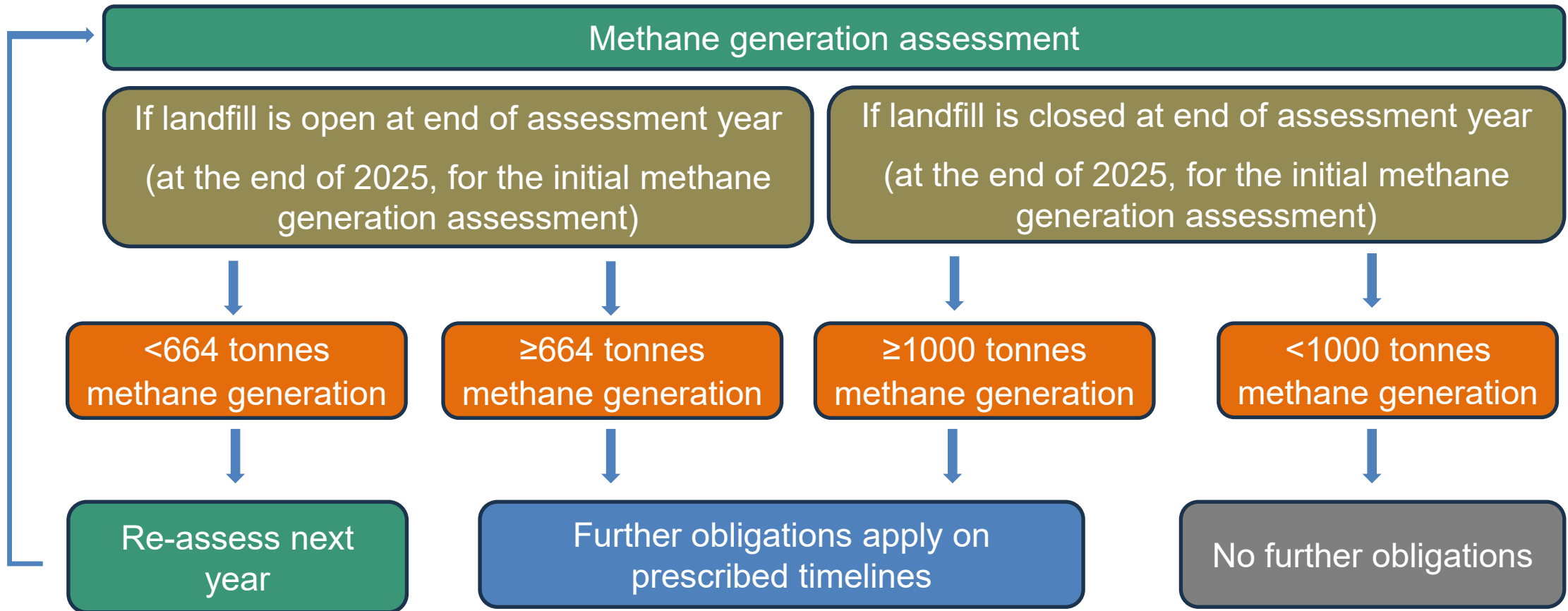


Landfills that meet the applicability criteria are required to calculate annual methane generation for the previous year

- Report due within 180 days of the coming into force of the Regulations (by June 10, 2026) for all landfills that meet the criteria based on status at end of 2025.
- If a landfill first meets applicability criteria after 2026, methane generation assessment report due by June 1 of year after the criteria are met (e.g. landfill exceeds waste disposal thresholds in 2028, methane generation assessment report due June 1, 2029.)

# METHANE GENERATION THRESHOLDS

The result of the methane generation assessment and operational status at the end of the assessment year determines whether further obligations (e.g. methane control and monitoring) apply:



# KEY IMPLEMENTATION DATES

- Methane control requirements will apply in a phased-in approach

