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

February 2026

Environment and Climate Change Canada
Environnement et Changement climatique Canada
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

INPUT → **WASTE COMPOSITION (optional)** → **DIVERSION (optional)** → **RESULTS**

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

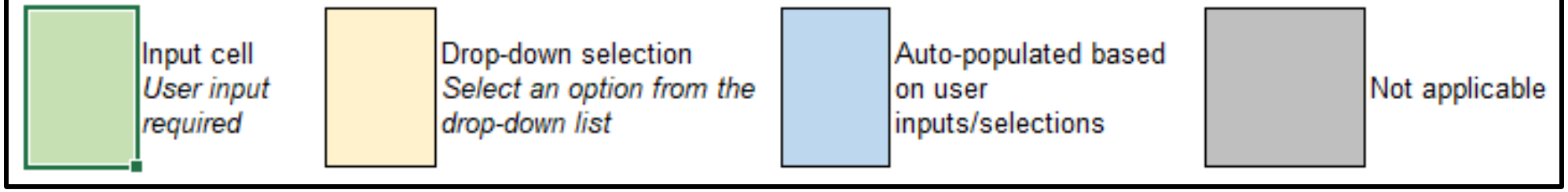
The user can enter site specific waste composition data, if available, for bulk MSW disposed at the site.

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

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

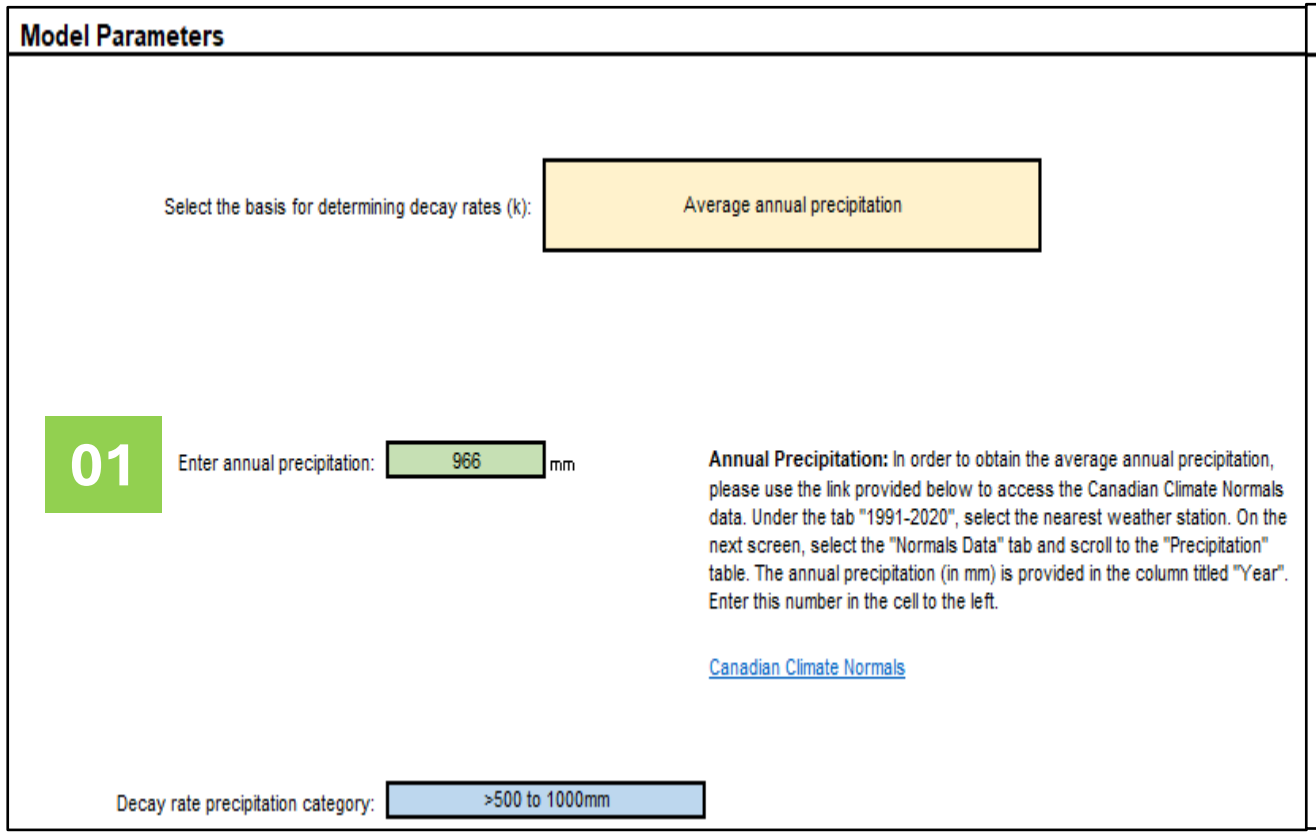
Select the climate zone applicable to the landfill site:

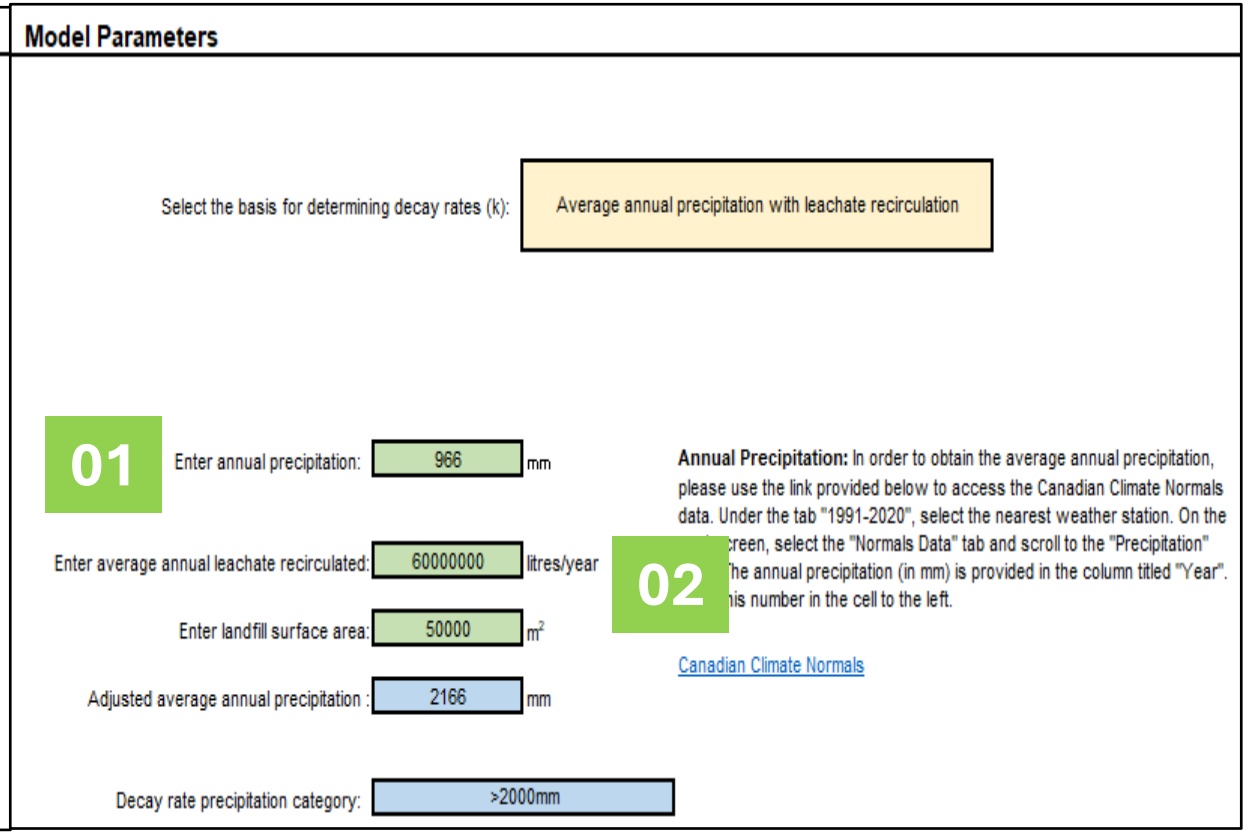
d "Climate zones climatiques" to locate the climate zone applicable to the landfill's location. To open the zip file provided, download, extract all and open map or html link. Select the appropriate climate zone in the cell to the left.

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^2)



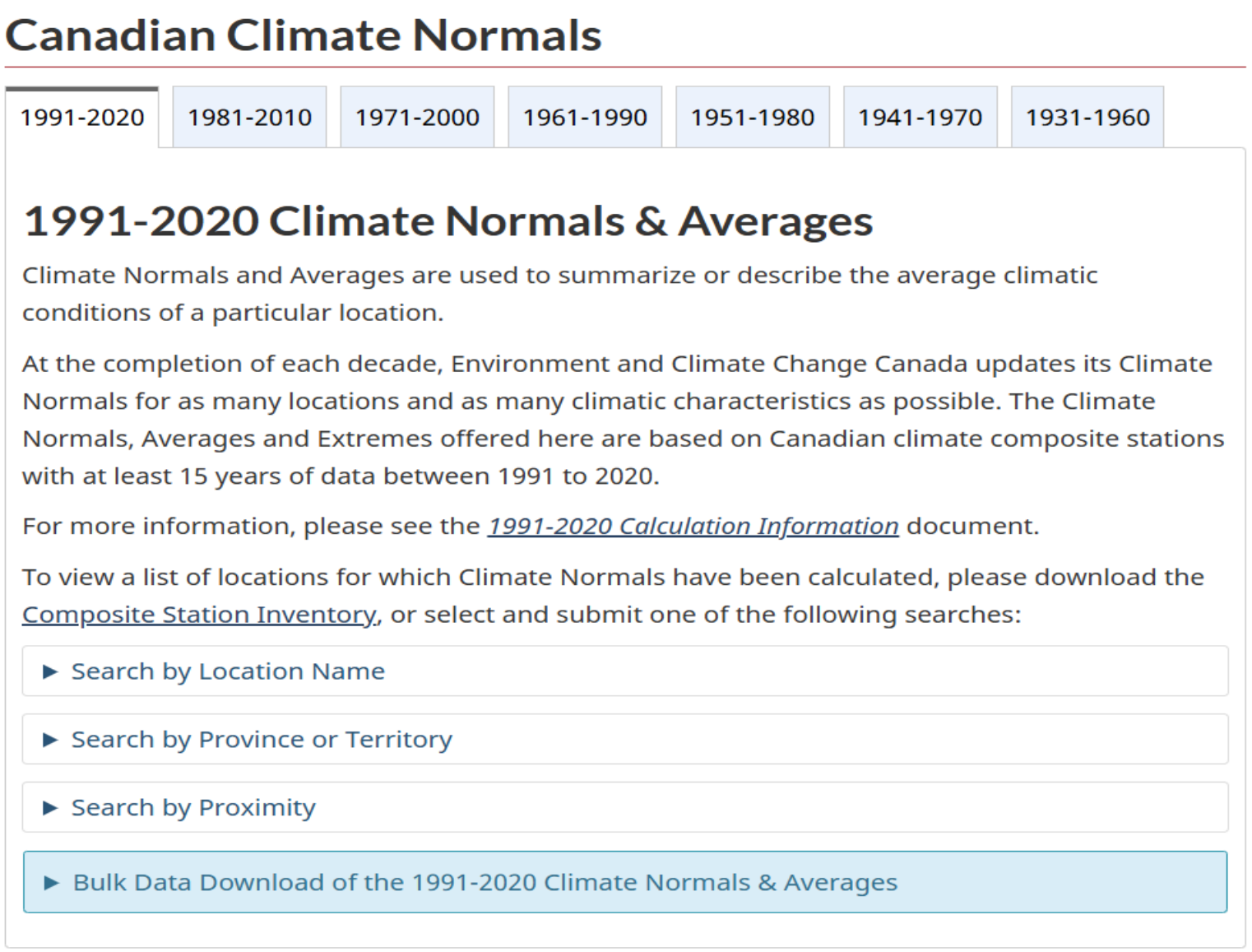


INPUT WORKSHEET – AVERAGE ANNUAL PRECIPITATION

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).



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.

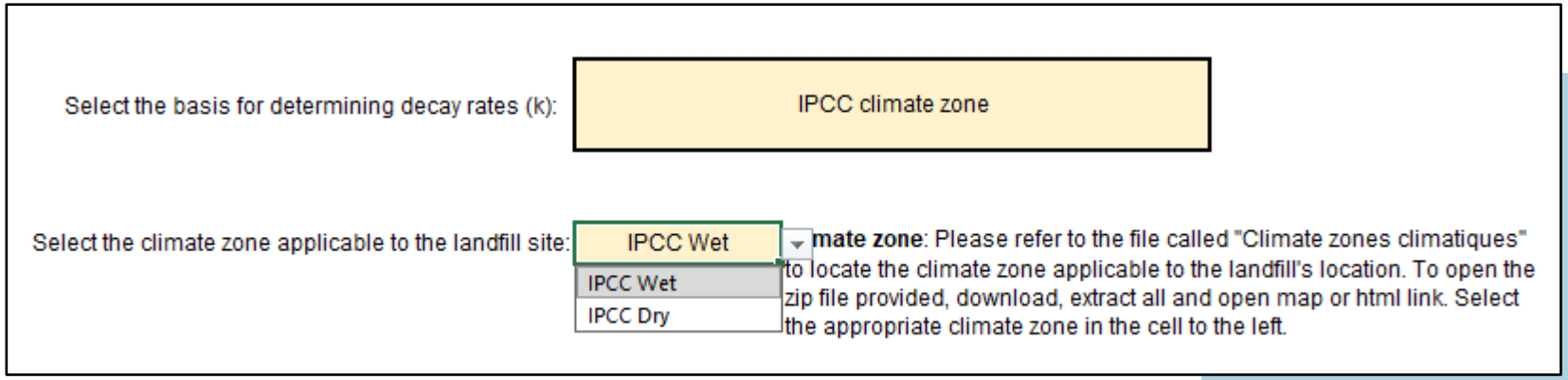
▼ Precipitation

1991 to 2020 Canadian Climate Normals Data

Precipitation

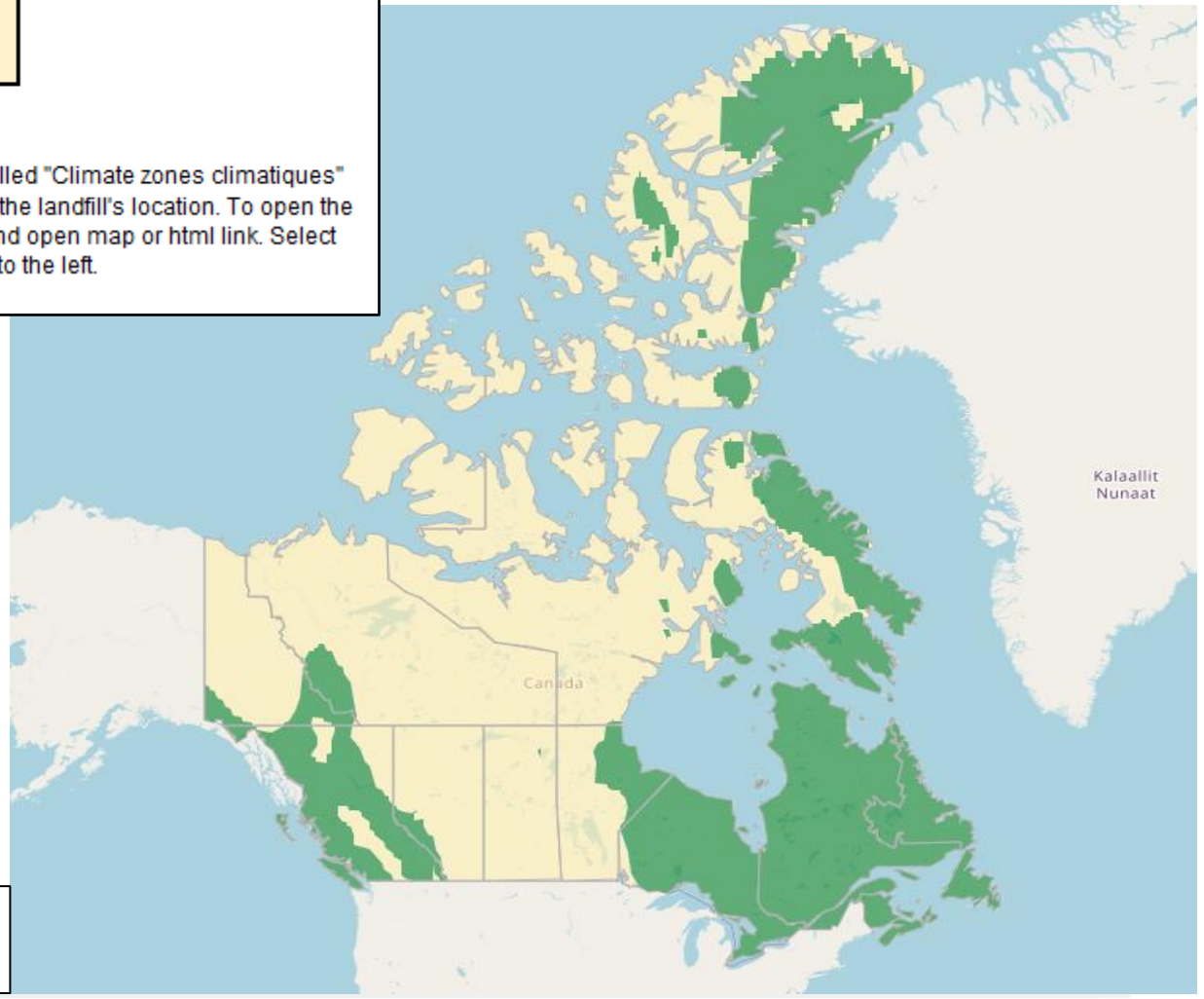
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
Rainfall (mm)	38.1	29.5	45.7	82.8	84.3	86.2	77.6	80.8	87.7	82.1	76.2	41.3	812.2	A
Snowfall (cm)	42.7	32.2	20.4	4.9	0.1	0.0	0.0	0.0	0.0	2.2	13.3	36.5	152.3	A
Precipitation (mm)	80.8	61.7	66.1	87.7	84.4	86.2	77.6	80.8	87.7	84.1	89.5	79.0	965.5	A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

INPUT WORKSHEET – IPCC CLIMATE ZONE



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	

	Annual Waste Disposed (Prior to Diversion)						
Year	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

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.

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	

	Annual Waste Disposed (Prior to Diversion)						
Year	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
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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

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.

Annual Waste Disposal

Will annual waste disposed be entered as bulk MSW or by sector of origin (Residential, ICI, C&D)?	Sector of Origin	
Do you want to enter user-defined waste composition percentages?	No	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?	No	Note: If you have selected "yes", please provide additional input in the "DIVERSION" sheet.
First year of diversion.	2026	

	Annual Waste Disposed						
Year	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

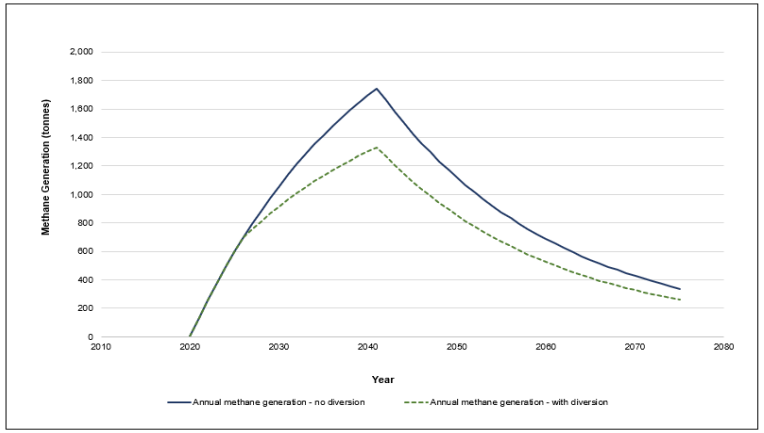
"RESULTS" worksheet provides:

- 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^3 of methane and scfm LFG)
- Summary of model parameters used in calculation

Landfill Methane Modelling Tool: Results **Landfill Name: Landfill**

Year opened: 2020 **Province :** AB

Closure year: 2040



Year	Total Annual Waste Disposed	Total Waste in Place	Methane generation (no diversion)		
	tonnes/year	tonnes	tonnes/year	m^3 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^3 methane/year	scfm LFG (standard cubic feet per minute)	% reduction
50,000	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_f (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_4:C	1.33
CH_4 content in LFG (%CH_4)	50%	CH_4 density (at 25 °C and 1 atm) (kg/m^3)	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.

Create individual account → **Add or join an "Organization"** → **Add an "Instrument"** → **Add a "Facility"** → **Complete Methane Generation Assessment Report** → **Sign and submit report**

Individual accounts enable access to RSP

Organization (e.g. Company, Municipality) is the entity with reporting obligations:

Organization Primary Administrators:
- add organization
- initiate, accept or decline requests to join organization
- manage user access
- update organizational information
- add instruments to organization
- create, edit, submit and update reports

There can be multiple Organization Primary Administrators.

Organization Instrument Contributors:
- add and edit facilities
- create, edit, submit and update reports

Can be:
Organization employees
Third-parties (e.g. consultants)

Instrument = Regulations or Surveys

Facility = Landfill

Completed by ***Authorized Representative*** of Organization

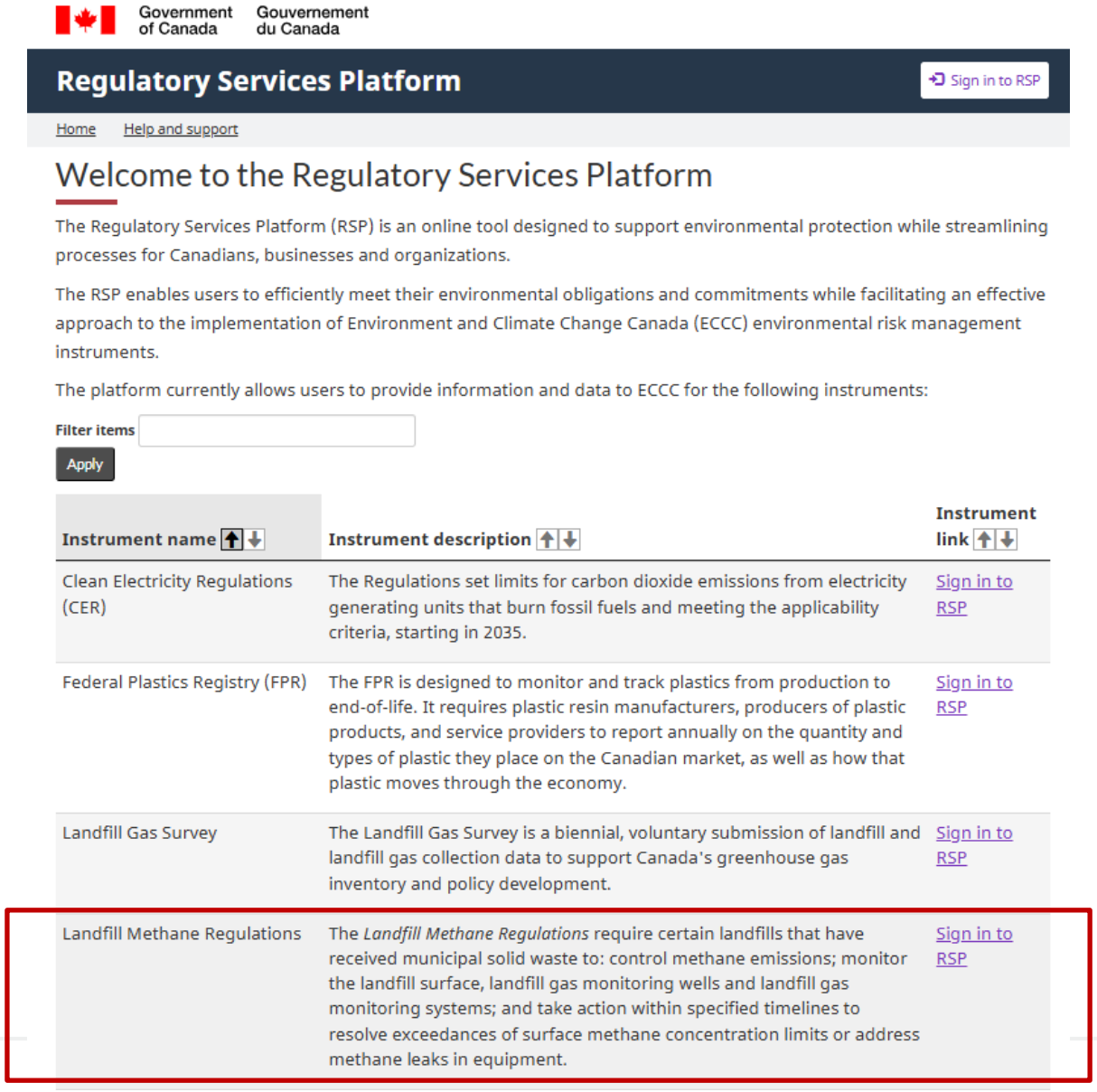
STEP 1 - SIGN-IN AND CREATE AN ACCOUNT

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.

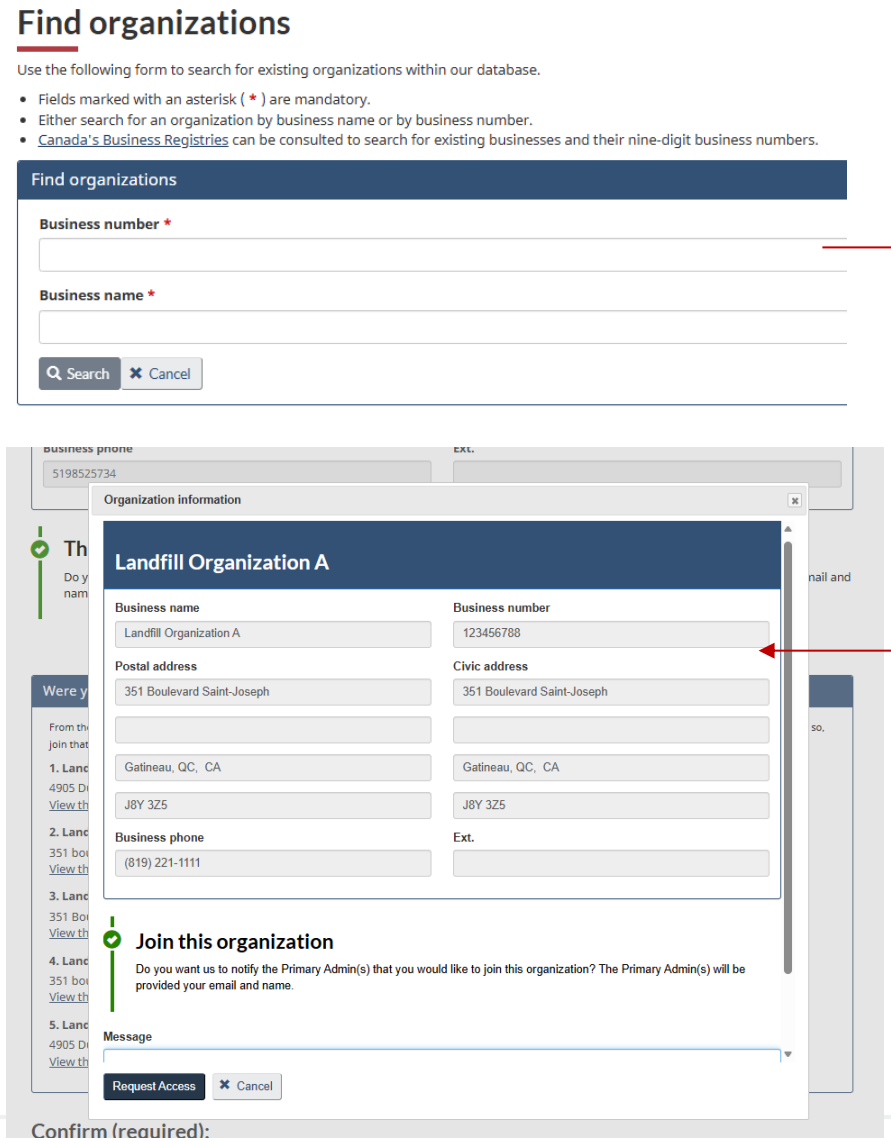


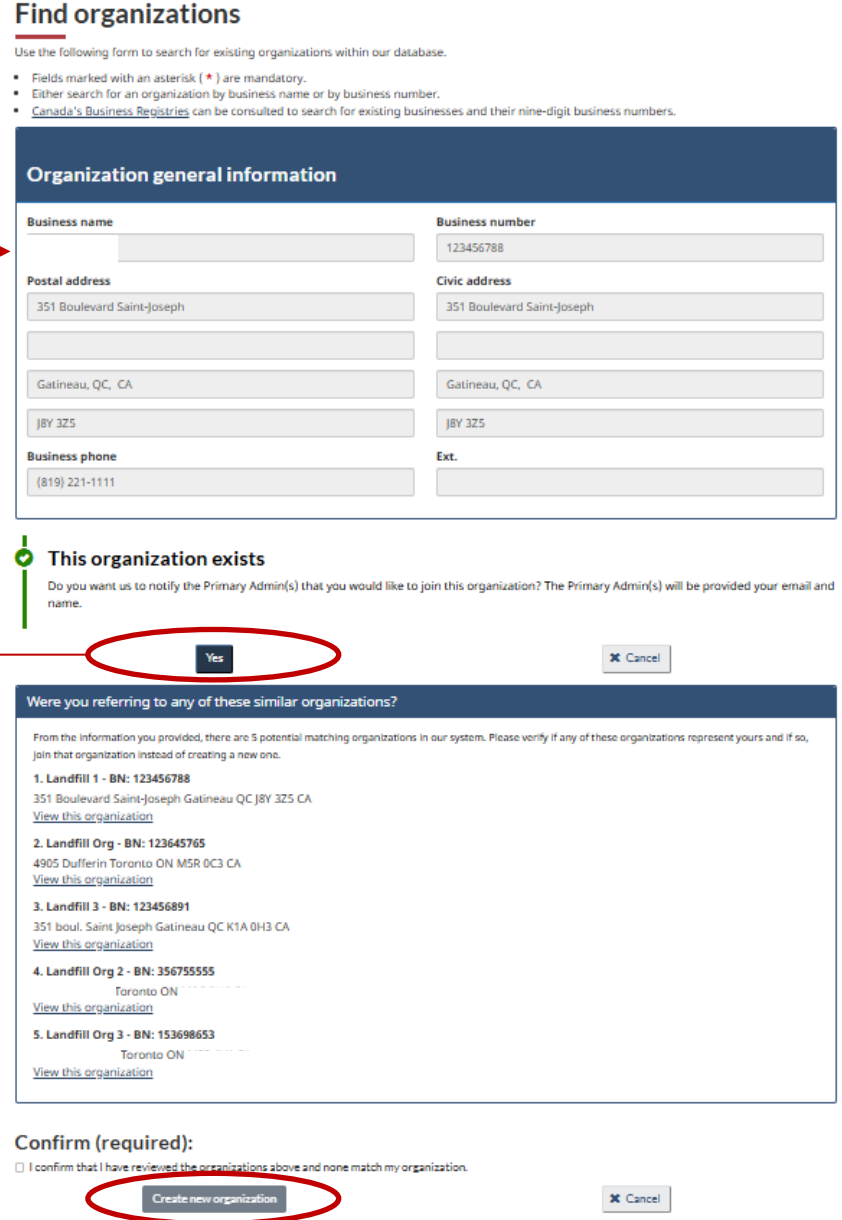
STEP 2 – CREATE OR JOIN AN ORGANIZATION

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.



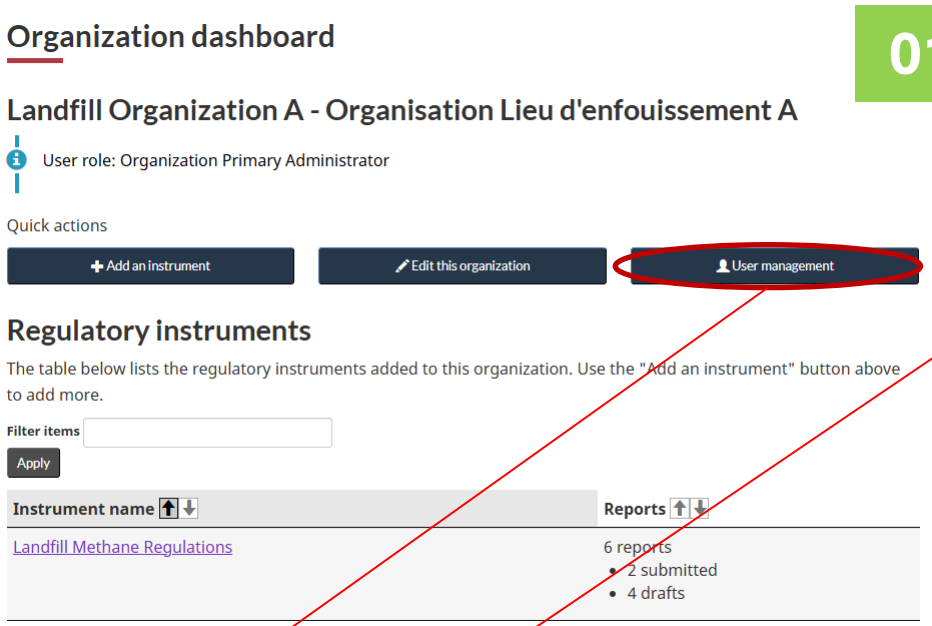


STEP 3 – USER MANAGEMENT (OPA ONLY)

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.



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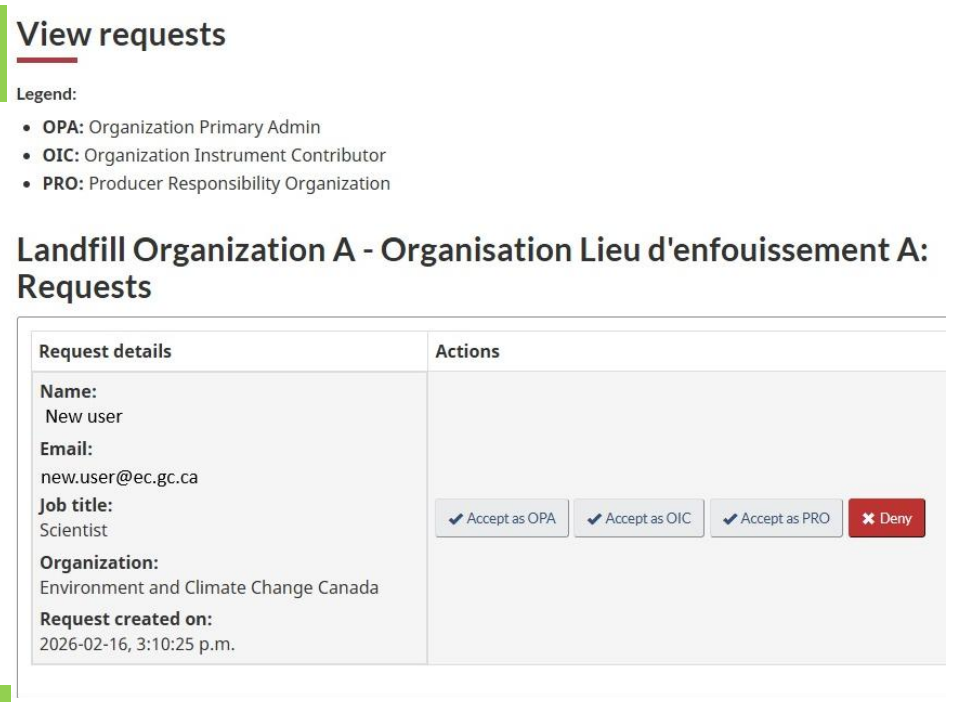

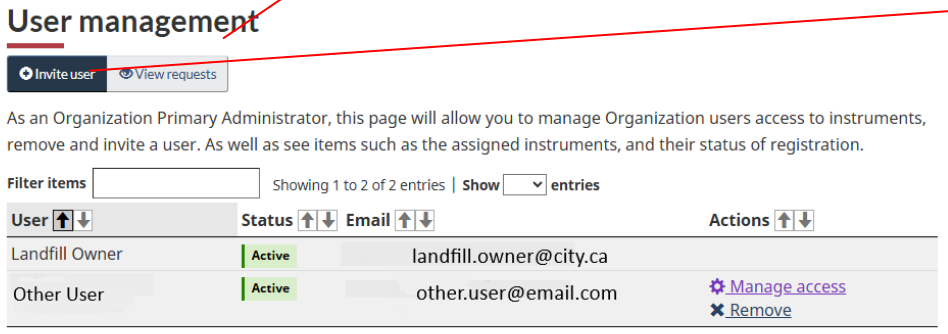

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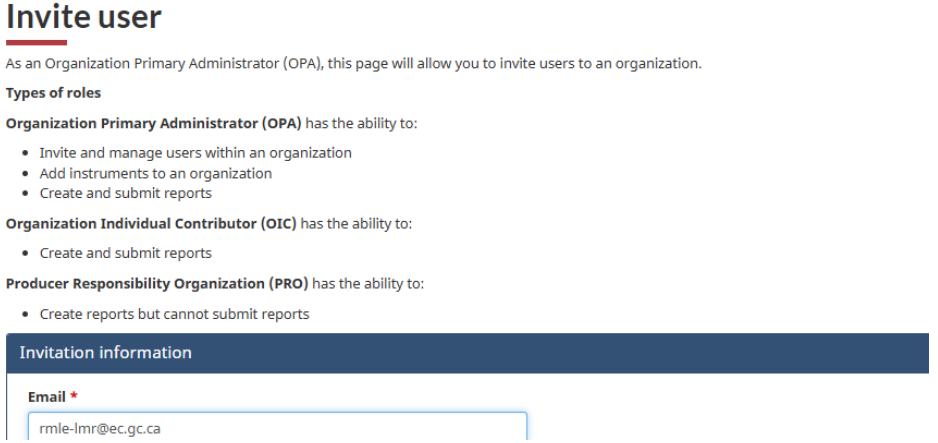
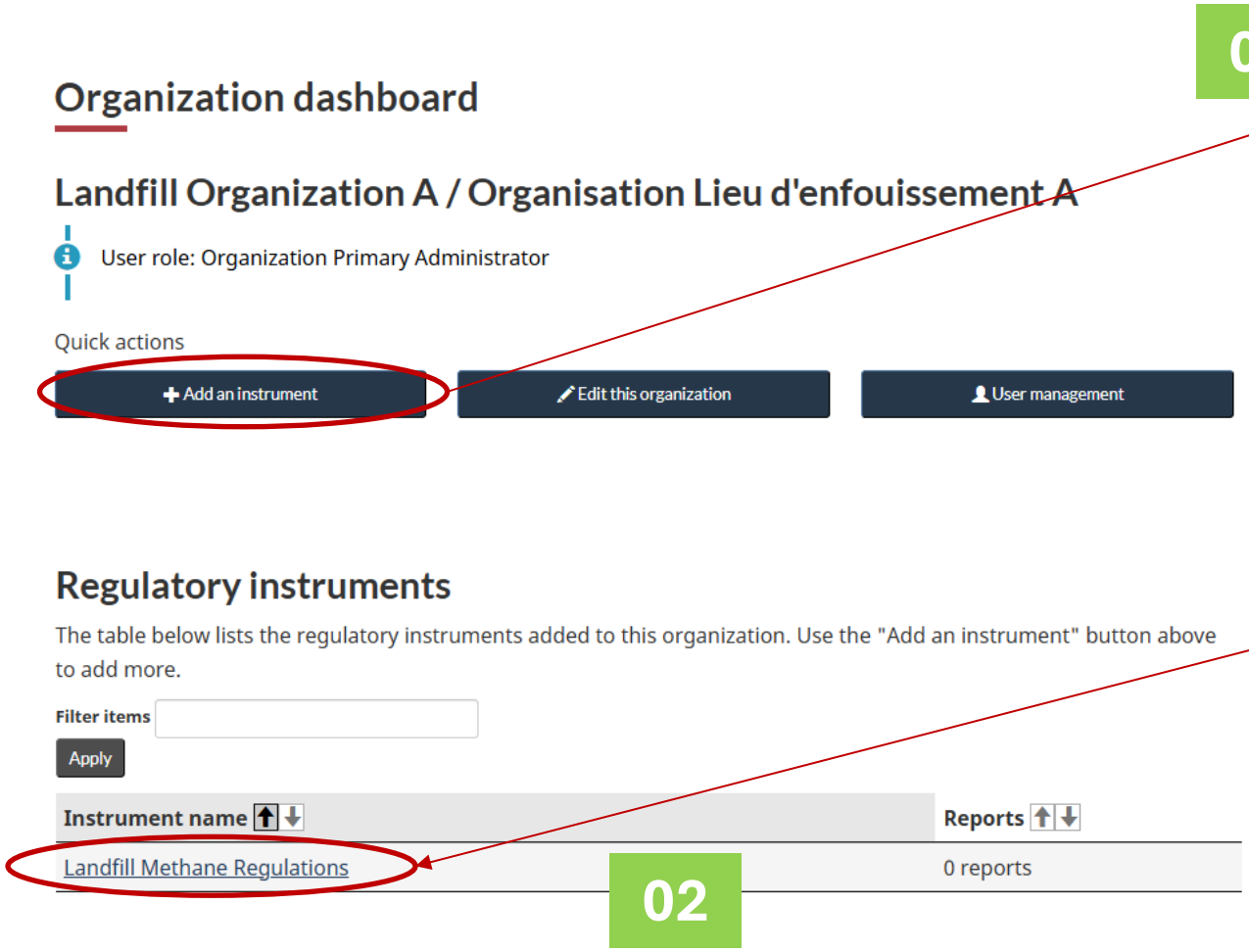


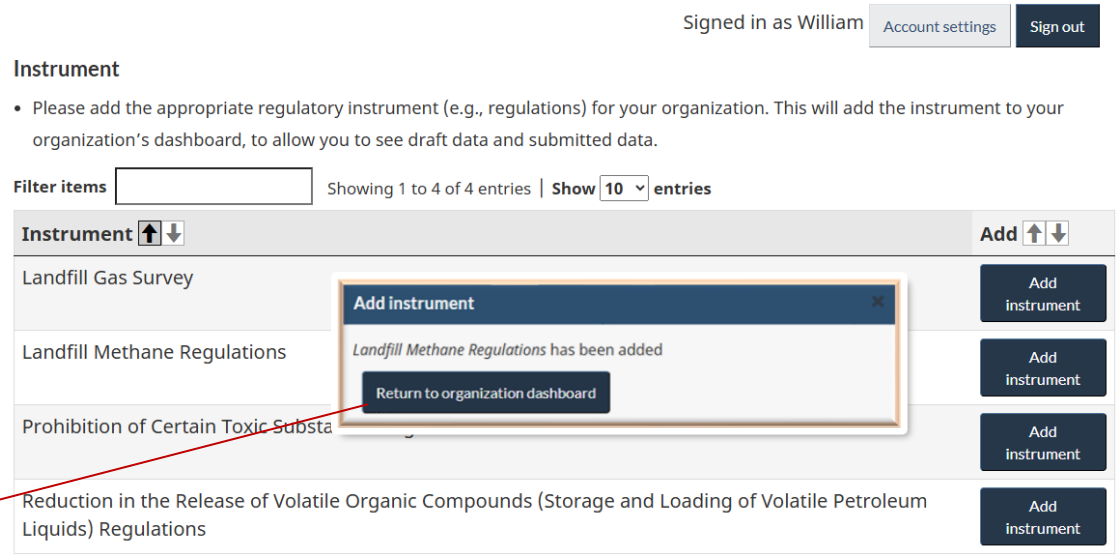
03

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

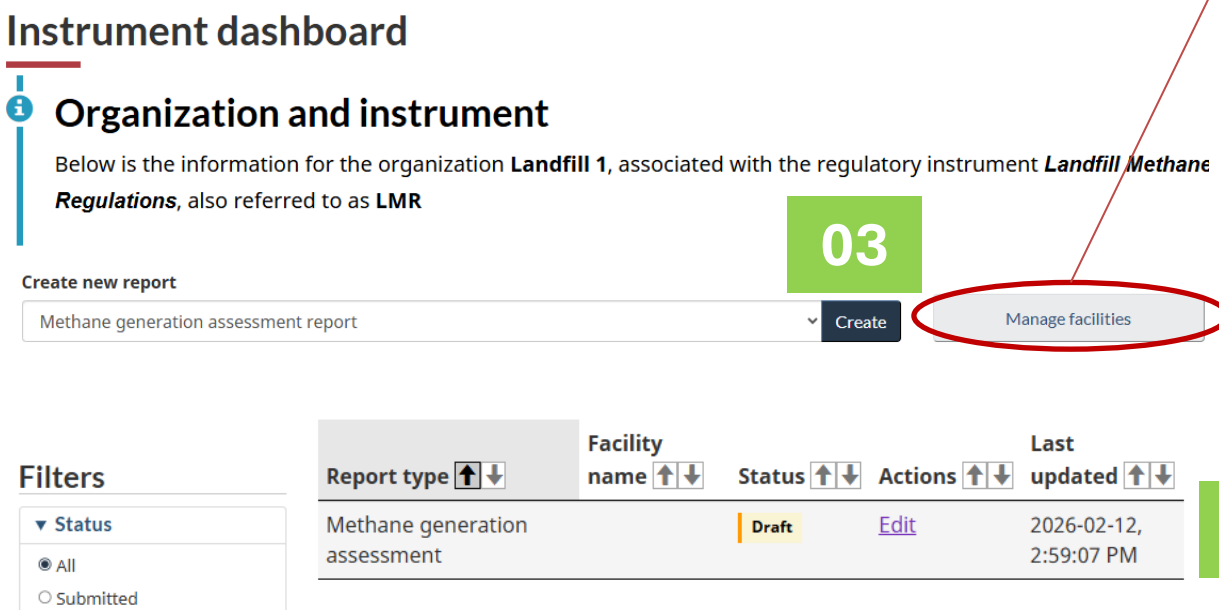




STEP 3 – ADDING FACILITIES AND REPORTS

From the **Instrument dashboard:**

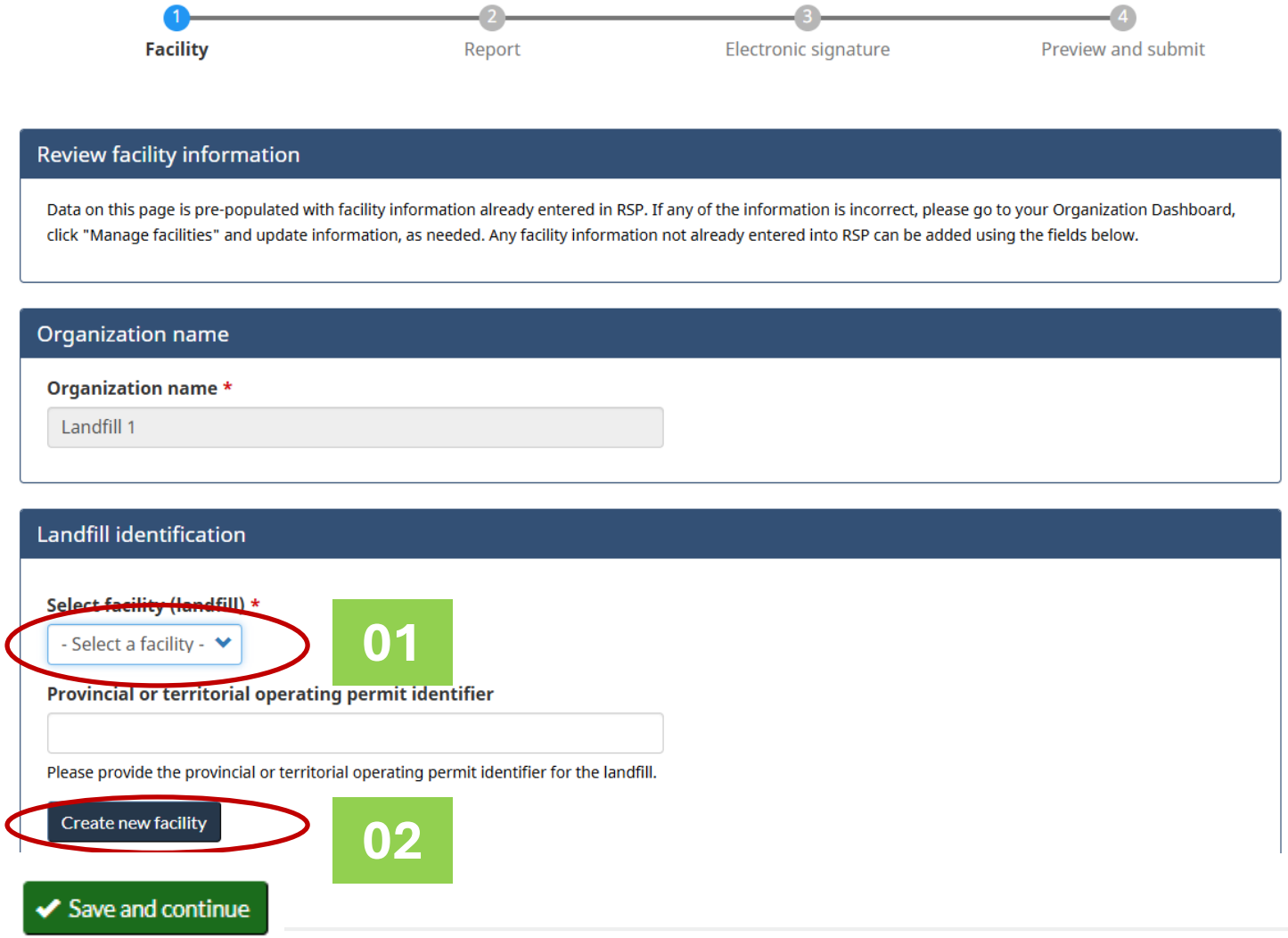
1. Use “Manage facilities” to add new facility or edit existing facility information
2. View reports and report status or access draft reports
3. Create a new report



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



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:

<u>Landfill identifiers</u>
Provincial or territorial operating permit identifier used for provincial/territorial reporting
GHGRP reporting identification number (if any)
NPRI identification number (if any)

<u>Landfill owner and operator information</u>
Identification information on the owner and operator of the landfill and landfill gas management system (if applicable)

<u>Records location</u>
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

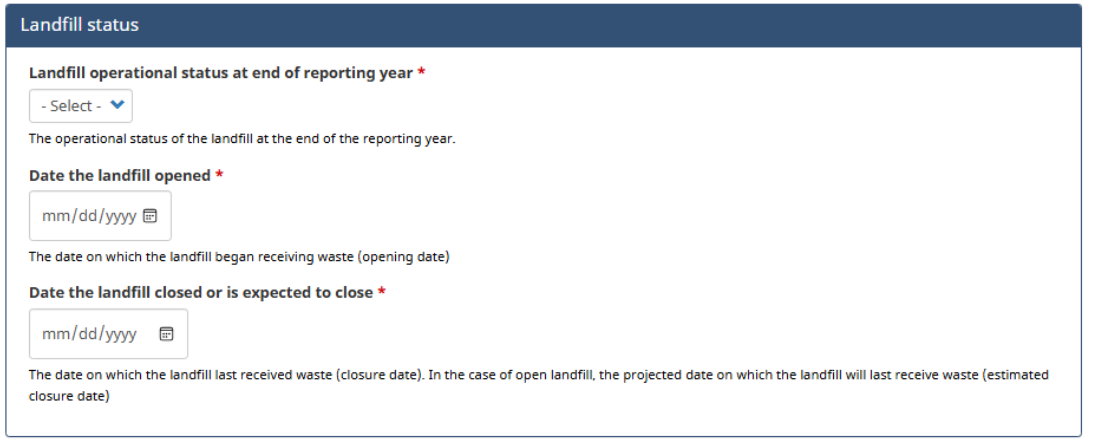
- Landfill operational status at the end of the reporting year (open or closed)
- Date landfill opened
  - Date on which the landfill began receiving waste
- Date the landfill closed or expected to close
  - Date on which the landfill last received waste. In the case of an open landfill, the projected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

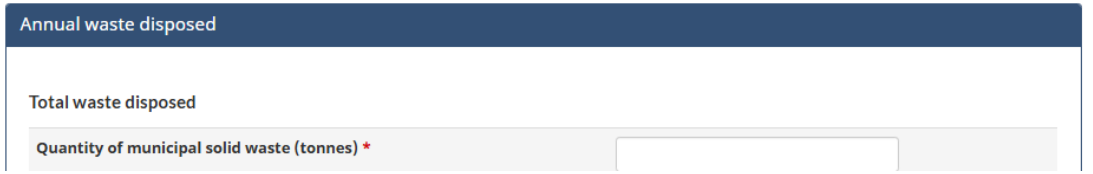
Waste disposal

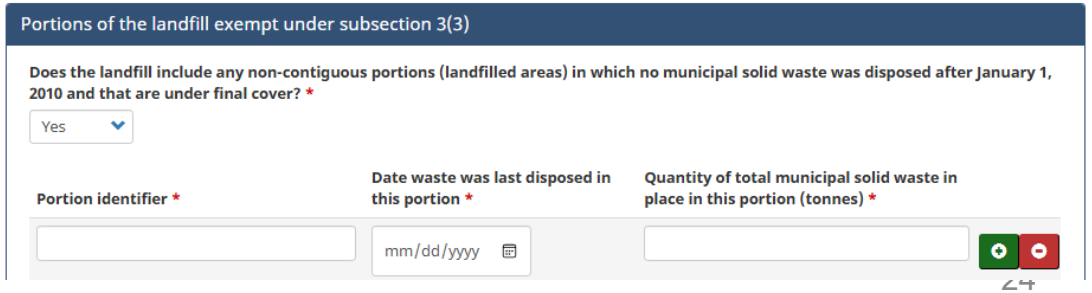
- Quantity of municipal solid waste (MSW) in place at the end of the reporting year (2025) (tonnes) and method used to determine the annual quantity
  - Total quantity of MSW in place at the landfill, excluding non-contiguous portions in which no municipal solid waste was disposed of after January 1, 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







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

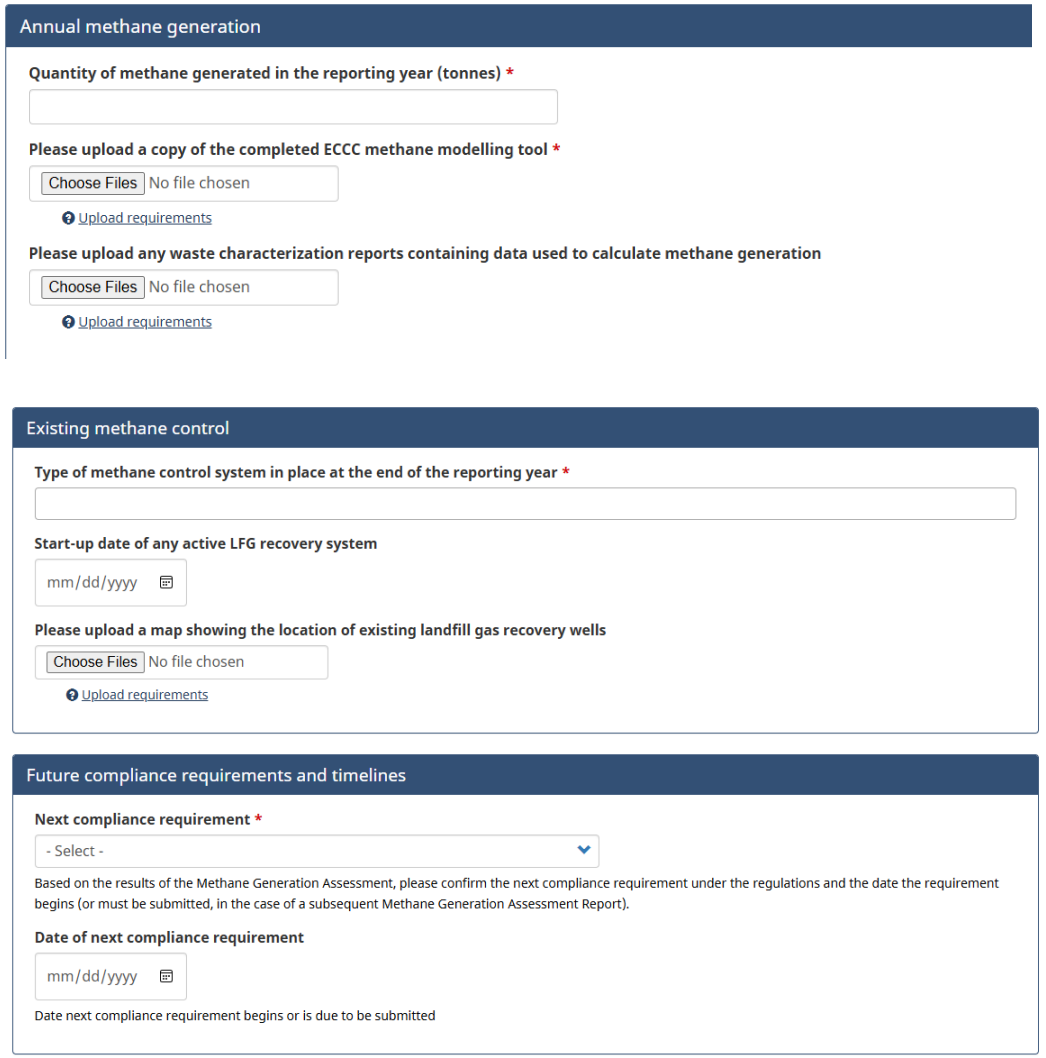
Select from:

- 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



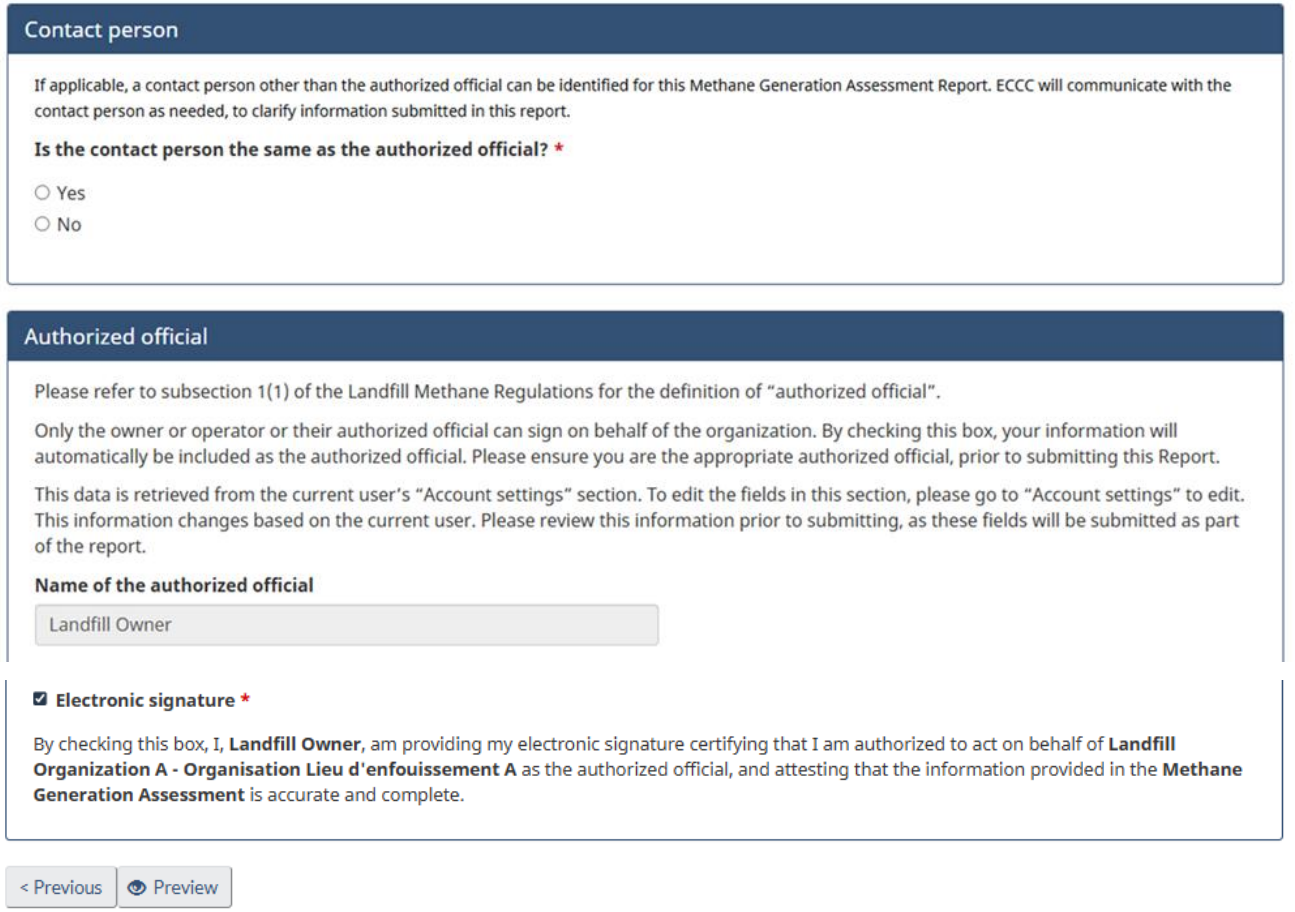
STEP 4 – COMPLETING THE REPORT
ATTESTATION AND ELECTRONIC SIGNATURE

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.

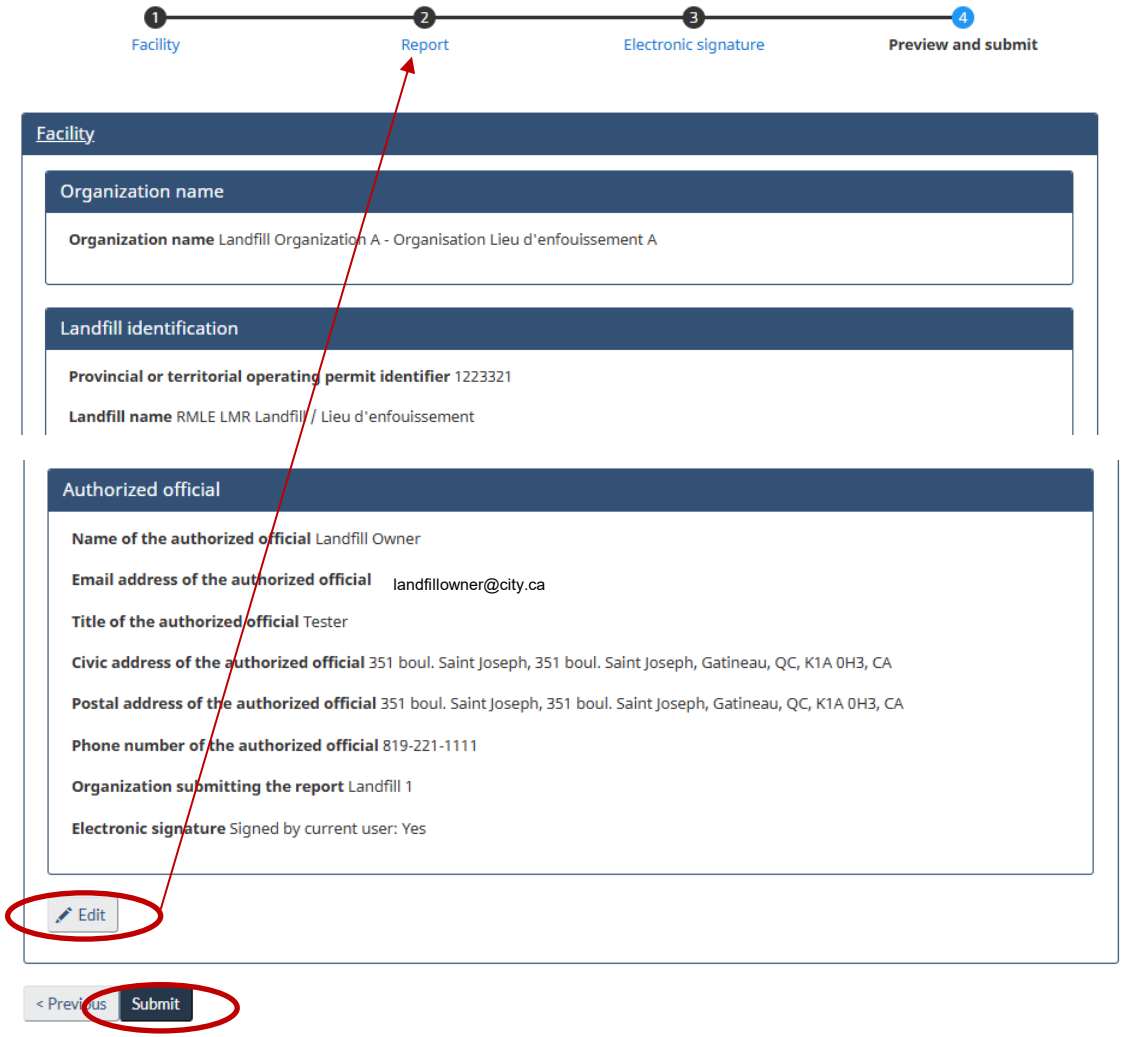
Authorized official

- 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.



STEP 4 – COMPLETING THE REPORT
PREVIEW AND SUBMIT

Full report view

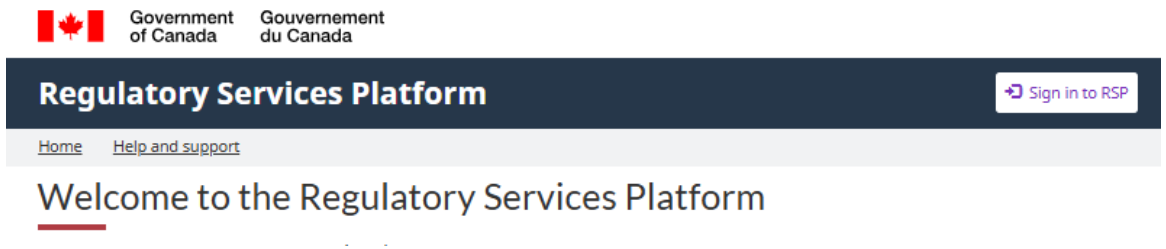


Preview and submit

- 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

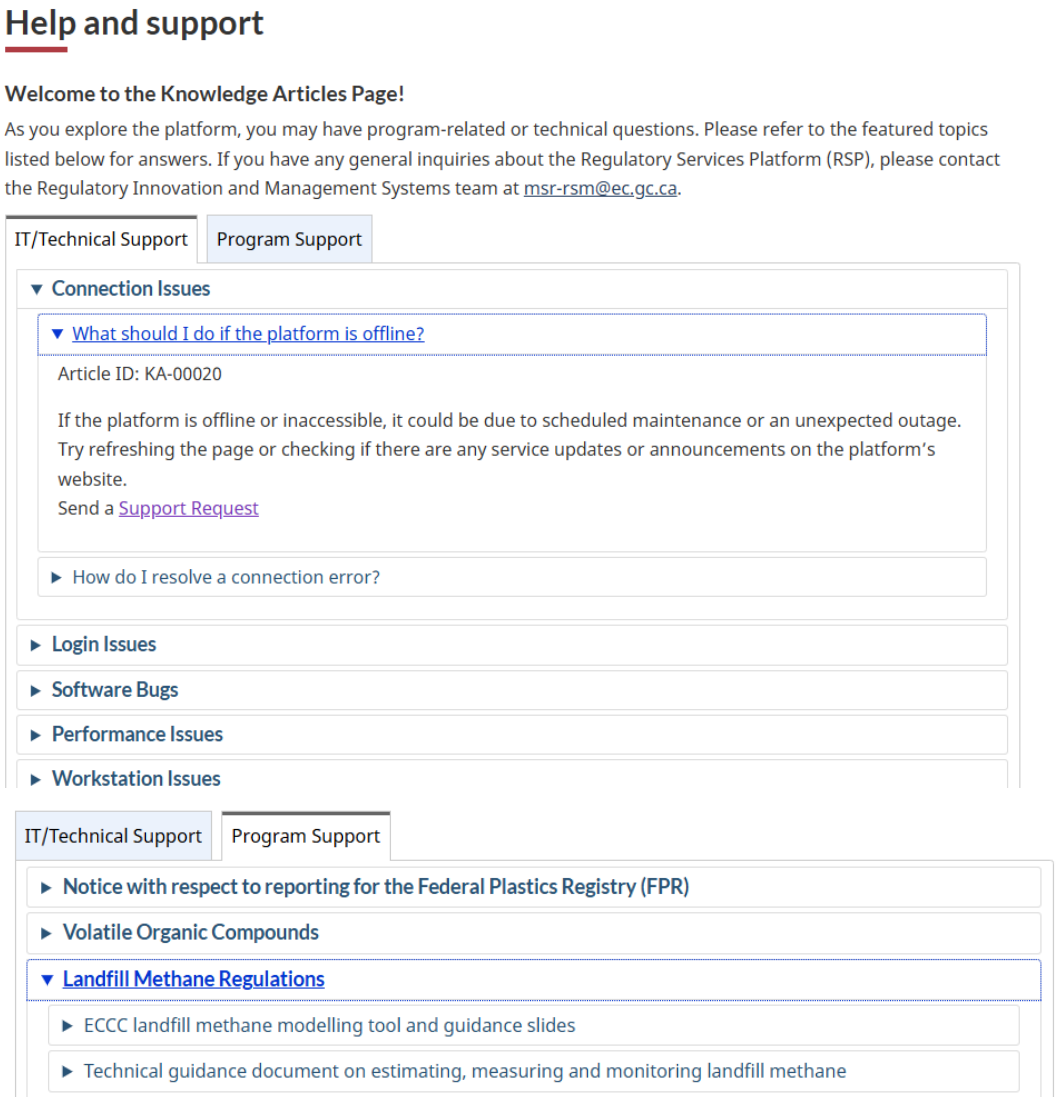
RSP HELP & SUPPORT

- 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.



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

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

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:

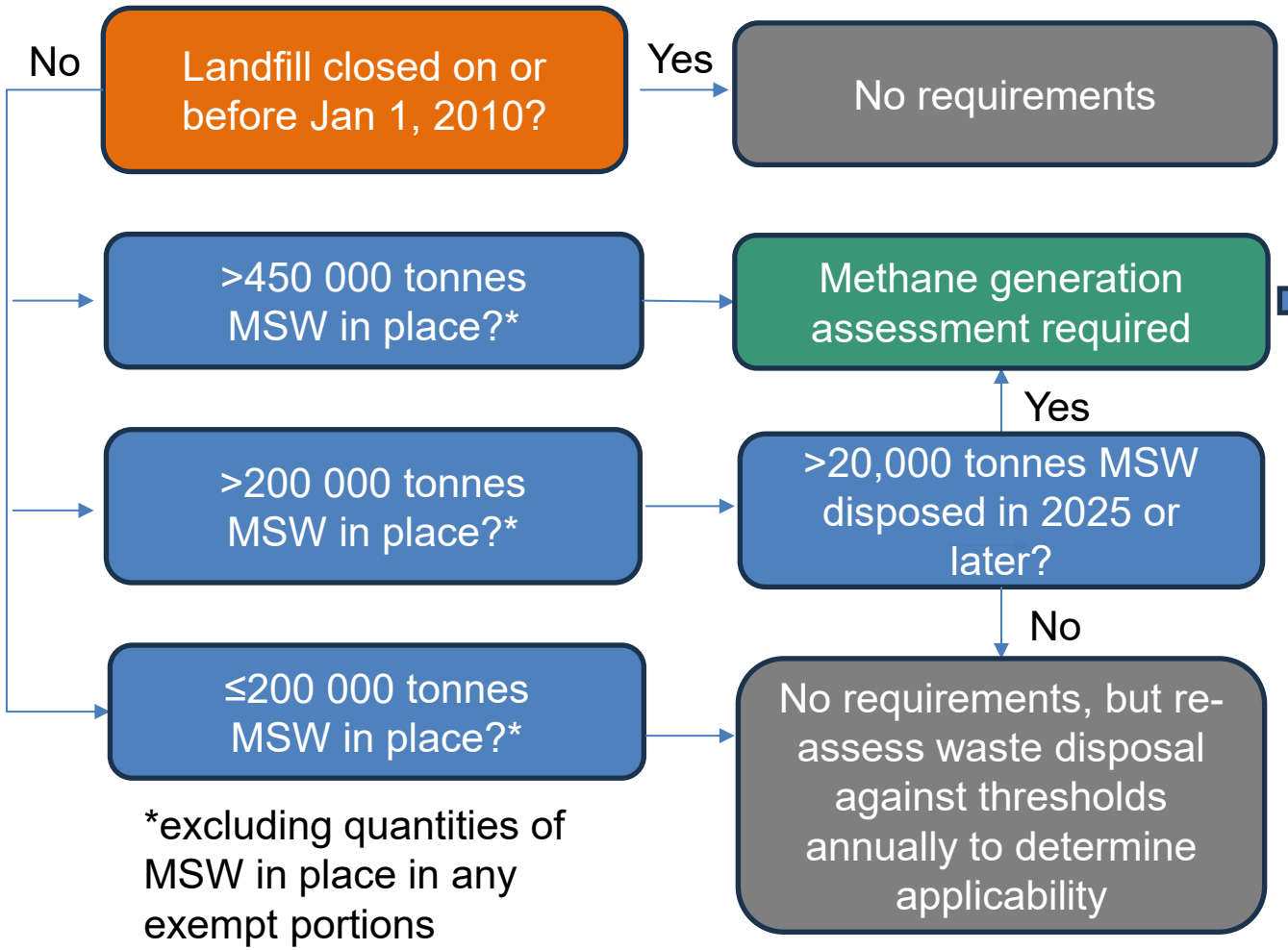
Entire landfills if the only waste disposed is:

- 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

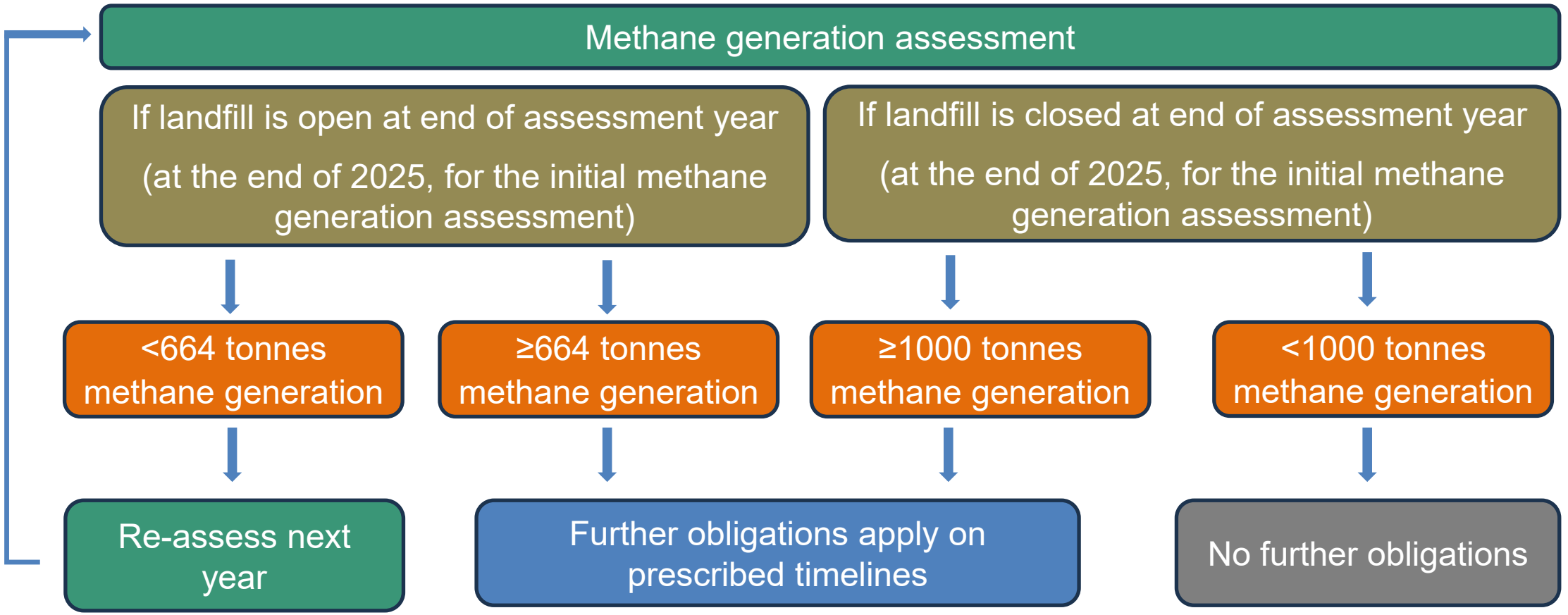


Landfills that meet the applicability criteria are required to calculate annual methane generation for the previous year

- 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

Regs come into force – December 12, 2025

2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035

June 10, 2026 - Methane Generation Assessment Report due

Assessments after 2026 :

Methane generation between 664 and <1,000 tonnes

- Requirements begin Jan.1, 2035 or Jan.1 of the fourth year following the year the threshold is met (whichever is later)

Methane generation ≥ 1,000 tonnes

- Requirements begin Jan.1st of the fourth year following the year the threshold is met
- Application may be submitted for up to two-year extension

January 1, 2028 – Methane generation ≥1,000 tonnes and LFG recovery system in operation - requirements apply only in portions with existing LFG recovery system

January 1, 2029 –
Methane generation ≥1,000 tonnes - requirements apply in all areas of the landfill

Application for deferral
May be made for up to a two-year extension if the owner or operator cannot meet timeline due to:

- delays in procurement, delivery or installation of necessary equipment, or
- outstanding regulatory approvals or permits.

- Application due 180 days before implementation timeline.

Offset credit project:
For landfills with registered offset credit projects in federal or provincial systems on December 12, 2025, obligations begin on January 1 of the year following the last year that credits are generated under existing crediting period.

January 1, 2035 - Methane generation between 664 and less than 1000 tonnes - requirements apply in all areas of the landfill

If the landfill closes before 2035 and has a methane generation of less than 1,000 tonnes, no further requirements