OMB Control No. 2060-0446
Approval expires 03/31/19

United States

ENVIRONMENTAL PROTECTION AGENCY

Washington, DC 20460

Landfill and Project Information

Landfill Methane Outreach Program (LMOP)

Instructions:

-Please update the data in the following worksheet(s), for the purpose of updating LMOP's landfill and landfill gas energy project database.
-Any data already contained in LMOP's database of landfills and landfill gas energy projects have been inserted into the fields.
-Please update or fill in the fields that have yellow background; the fields with blue background do not require edit.
-A project that has more than one end user and/or has changed in size over time has multiple worksheets; and a landfill that has more than one project has multiple worksheets - in both cases, the landfill data are listed only once - in the first worksheet for that landfill (in the other worksheets for that landfill, the rows for the landfill data are hidden).
-If your organization has been involved with additional landfills/projects for which a worksheet is not already included, please make as many copies of an existing worksheet as needed to accommodate your other landfills/projects.
-As you make edits in the worksheet(s), the cells' formatting will change - this quickly shows LMOP what cells have been edited upon the file's return.
-If you consider any of the information requested to be confidential, do not provide that information and fill in "confidential" instead.
-Please email questions about this effort to EPA-LMOP@erg.com.
Thank you for your assistance!

Definitions of Fields in Following Worksheet(s):

Landfill Name - Name of landfill
Landfill City - City landfill is located in or near
Landfill County - County landfill is located in
Landfill State - State landfill is located in
Landfill Owner - Organization that owns the landfill
Owner Type - Is landfill owner a public or private organization?
Year Landfill Opened - Year landfill opened or began accepting waste
Landfill Closure Year - Year landfill closed or is expected to close or year landfill stopped accepting waste or is expected to stop accepting waste
Designed Landfill Area - Design waste mass area of landfill
Current Landfill Area - Current waste mass area of landfill
Designed Landfill Depth - Design waste mass depth of landfill (maximum or average)
Current Landfill Depth - Current waste mass depth of landfill (maximum or average)
Design Capacity - Waste design capacity of landfill
Amount of Waste In Place - Current waste-in-place at the landfill
Year Waste In Place Represents - Year corresponding to the waste-in-place at the landfill
Annual Waste Acceptance Rate - Annual acceptance rate of waste at the landfill
Year Annual Waste Acceptance Rate Represents - Year corresponding to the annual waste acceptance rate at the landfill
Is landfill currently required by New Source Performance Standards or Emissions Guidelines (NSPS/EG) to combust landfill gas? - Is the landfill required by NSPS, EG, or other federal regulation to combust LFG?
If yes or not yet, by what date? - If the landfill is required by NSPS, EG, or other federal regulation to combust LFG, by what date?
How much landfill gas is generated? - Estimated amount of landfill gas generated by landfill
Is a collection system in place? - Is there an active landfill gas collection system in place?
If yes, how much gas is collected? - Amount of landfill gas being collected
Are there flares in place? - Is there one or more flares in place at the landfill?
How much gas is flared? - Amount of landfill gas flared
Project Type - Specific type of LFG energy project (Boiler, Cogeneration, Combined Cycle, Condensate Evaporation, Direct Thermal, Fuel Cell, Gas Turbine, Greenhouse, High Btu, Hydrogen, Leachate Evaporation, Medium Btu, Microturbine, Organic Rankine Cycle, Reciprocating Engine, Renewable CNG, Renewable Diesel, Renewable LNG, Steam Turbine, Stirling Cycle Engine)
LFG Use Details - Details about the specific use of landfill gas (e.g., cement kiln, co-fired with natural gas in boiler, eight 30-kW microturbines)

OMB Control No. 2060-0446
Approval expires 03/31/19

United States
ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

Landfill and Project Information
Landfill Methane Outreach Program (LMOP)

What is the status of the LFG energy project? - Current project status (Operational, Construction, Planned, Shutdown, Candidate, Potential, Other)

Definitions of "Candidate", "Potential", and "Other" designations in LMOP database:

Candidate - Landfill is accepting waste or has been closed for five years or less, has at least one million tons of waste, and does not have an operational, under-construction, or planned project; can also be designated based on actual interest by the site.

Potential - Landfill does not meet the candidate definition, whether because of complete or incomplete data. However, the landfill could have LFG energy project potential based on site-specific needs or if data were complete.

Other - Landfill that previously had status of Potential with waste in place less than 500,000 tons and closed >15 years.

On what date did or will the project become operational? - Date project became/is expected to become operational
If the project is shutdown, on what date did it shut down? - Date project shut down
LFG flow to project - Amount of landfill gas flowing to LFG energy project or that will flow to the project when it becomes operational
Capacity - Capacity for electricity-generating LFG energy projects
Capacity Type - MW capacity type options are Actual, Estimated, Rated, Other, Unknown
Capacity Description for Capacity Type of "Other" - Further description of the MW Capacity type if type is 'Other'
Who developed/is developing the project? - Name of project developer organization
Who is or will be the end user of the LFG energy? - Organization name of potential or actual end user of the landfill gas, electricity, or waste heat recovered
List any other parties involved in this project - Organizations other than the landfill owner, landfill operator, project developer, and end user that are involved in the project
What federal, state, or local funding resource(s) was or will be used to fund this project? - Names of funding resources used or planned to be used to help fund the LFG energy project

The public reporting and recordkeeping burden for this collection of information is estimated to average 5.4 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Landfill ID #		Partner	

Field Name	Data	Units of Measure / Format
Landfill Name		
Landfill City		
Landfill County		
Landfill State		2-letter abbreviation
Landfill Owner		
Owner Type		Public or Private
Year Landfill Opened		yyyy
Landfill Closure Year		yyyy
Designed Landfill Area		acres
Current Landfill Area		acres
Designed Landfill Depth		feet
Current Landfill Depth		feet
Design Capacity		short tons
Amount of Waste In Place		short tons
Year Waste In Place Represents		yyyy
Annual Waste Acceptance Rate		short tons/year
Year Annual Waste Acceptance Rate Represents		yyyy
Is landfill currently required by New Source Performance Standards or Emissions Guidelines (NSPS/EG) to combust landfill gas?		Yes/No/Unknown
If yes or not yet, by what date?		mm/dd/yyyy
How much landfill gas is generated?		mmscfd (million standard cubic feet per day)
Is a collection system in place?		Yes/No/Unknown
If yes, how much gas is collected?		mmscfd (million standard cubic feet per day)
Are there flares in place?		Yes/No/Unknown
How much gas is flared?		mmscfd (million standard cubic feet per day)

Project ID # / Expansion ID #		Project Name	

How is the recovered landfill gas used or intended to be used? For example, is the landfill gas burned directly in a boiler or heater, used as fuel for a turbine generating electricity that is sold, etc.

- Project Type		
- LFG Use Details		
What is the status of the LFG energy project?		Operational, Construction, Planned, Candidate, Potential, Shutdown, Other
On what date did or will the project become operational?		mm/dd/yyyy or just yyyy if that is all that is known
If the project is shutdown, on what date did it shut down?		mm/dd/yyyy or just yyyy if that is all that is known

How much energy is or will be recovered? For direct-use projects, provide the LFG flow. For electricity projects, provide both MW capacity and LFG flow, if known.

LFG flow to project		mmscfd (million standard cubic feet per day)
Capacity		MW (megawatts)
Capacity Type		Estimated, Other, Unknown
Capacity Description for Capacity Type of "Other" (e.g., namplate, rated, actual)		
Who developed/is developing the project?		
Who is or will be the end user of the LFG energy?		

List any other parties involved in this project	
What federal, state, or local funding resource(s) was or will be used to fund this project? [Please provide just the name(s) of the resource(s).] Some examples* are: Renewable Electricity Production Credit, Clean Renewable Energy Bonds, Energy Efficiency and Conservation Block Grant Program, PA Energy Harvest Grant.	

*More funding resources are listed in LMOP's online funding guide at http://www.epa.gov/lmop/publications-tools/funding-guide/index.html.