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***\*Please Note: This is a complete list of the questions found in this survey. Depending on how the respondent answers the subsequent questions asked will vary.***

**Data Tracking Form for On-Farm Anaerobic Digesters Co-Digesting Food-based Materials**

**Project/Facility Information**

1. Please provide the following information about your Project/Farm.  
   Project/Farm Name  
   Street address

City/Town

State

Zip code

Phone Number

1. Please provide the following information for the contact person for facility operations  
   Name  
   Title  
   Email Address  
   Phone number
2. Please provide the contact address (if different from Facility Address)  
   Street address  
   City/Town  
   State  
   Zip code
3. If you do not wish to have your facility’s general information (facility name, city, state, facility type and operational status) included in future EPA reports, please check the box below

Please do not include the information above in future publications summarizing the data collected via this survey.

**Organic Waste Processing**

1. It is assumed that your anaerobic digestion system was primarily built to process livestock manures produced on your farm. In addition to this manure waste stream, are organic wastes accepted from offsite sources and processed in your anaerobic digester (practice of co-digestion)?
   * Yes
   * No
2. If organic waste is currently not accepted from offsite sources and processed in your anaerobic digester, is your facility planning for or interested in receiving organic wastes from offsite?
   * Yes
   * No

**Facility operating status**

1. Please identify the status of your facility

Planning stage/ Design stage/Permitting process

Under construction

Operational

Temporary shut-down

Ceased operation

Other

1. What is the targeted date for your co-digestion system to be operational?
2. What date did your co-digestion system become operational?
3. What date did your co-digestion system temporarily shut-down?
4. What is the targeted date for your co-digestion system to re-start operations?
5. What date did your co-digestion system cease operations?
6. Please state the reason your co-digestion system ceased operations.

**On-Farm Co-Digestion Capacity**

1. Taking into account the average volume of manure from your livestock processed in your anaerobic digestion system, please identify the available capacity to process other feedstocks from offsite sources.

[Type in number here] Choose an item.

1. Please briefly describe how you calculated the available capacity to accept feedstocks from offsite sources.
2. Please identify the number of months during the year 2015 that your anaerobic digestion system received and processed feedstocks from offsite sources.

**Processed Waste**

1. Does your farm accept and process food-based feedstocks from off-site sources?
   * Yes
   * No
2. Please describe the total amount of food-based feedstock accepted by your facility in 20XX. Do this by typing in the amount of food waste, and selecting the units, feedstock type, and feedstock source.

[Type in number here] Choose an item. **of**  Choose an item. **from** Choose an item.

1. Does your farm accept and process food-based feedstocks from off-site sources?
   * Yes
   * No
2. Please describe the total amount of non-food-based feedstock accepted by your facility in 20XX. Do this by typing in the amount of non-food waste, and selecting the units, feedstock type, and feedstock source.

[Type in number here] Choose an item. **of**  Choose an item. **from** Choose an item.

1. Do you collect tipping fees?

* Yes
* No

1. Are you willing to share information about the tipping fees you collect?

* Yes
* No

1. How much revenue did your facility collect in tipping fees in 20XX?
2. If you would like to provide any other relevant or important information related to tipping fees, please do so below.

**Pre-processing/operations**

1. Are pre-processing or de-packaging activities conducted on your feedstocks before they are added to your digester?

* Offsite
* Onsite (at your farm)
* Both

1. Please identify the pre-packaging or de-packaging activities that are conducted at your facility. Check all that apply.

Manual or mechanized de-packaging

Screening for debris or sorting

Grinding and/or maceration

Third party processing

Shredding

Heating

pH adjustment

Centrifugal separation

Liquid/solid separation

Other (please specify)

1. Please identify the operating temperature range for your digester.

* Mesophilic
* Thermophilic
* Unheated/Ambient

1. Please indicate if your digester is “wet” or “dry.”

* Wet, low-solids system, less than 15% (by volume) solids content.
* Dry, high-solids system, greater than 15% (by volume) solids content.

1. How would you describe the anaerobic digestion system at your farm? Check all that apply.

Continuously Stirred Tank Reactor (CSTR)

Plug-flow

Covered Lagoon

Fixed film

Suspended Media

Percolating Bed

Upflow Anaerobic Sludge Blanket (UASB)

Anaerobic Sequencing Batch Reactor (ASBR)

Membrane Bioreactor (MBR)

Hybrid/Multi-stage

Other (please specify)

**Product End-Uses**

1. Please provide the average biogas production volume at your facility during calendar year 20XX in one of the units identified below.

[Type in number here] Choose an item.

1. Is the biogas produced at this facility?

Used onsite

Sold

Flared

Other (please specify)

1. Please identify how the biogas produced at this facility is used. It could be used onsite by the facility or offsite by a purchaser. Check all that apply.

Produce mechanical power

Produce heat and electricity (CHP)

Produce electricity (including net metering)

Produce electricity (sold to grid)

Fuel boilers and furnaces to heat digesters

Fuel boilers and furnaces to heat other spaces

Compressed to vehicle fuels: used for company fleet/personal vehicles

Compressed to vehicle fuels: sold to customers

Renewable natural gas (processed in order to inject to pipeline)

Other (please specify)

1. Are you able to utilize all of the biogas produced?

* Yes
* No

1. Do you flare the excess biogas?

* Yes
* No

1. Do you have a gas cleaning system?

* Yes
* No

1. What is removed by your gas purification system? Check all that apply.

Moisture

Sulfur

Siloxanes

Carbon Dioxide

Compressed Gas

Hydrogen sulfide

Particulates

Oxygen

Nitrogen

VOCs

Other (please specify)

1. Do you beneficially re-use the solid digestate you produce? Check all that apply.

Yes, de-watered/dried and land applied

Yes, composted into a reusable or salable product

Yes, processed into animal bedding

Yes, processed into other salable product (e.g., flower pots)

No, landfilled

No, incinerated

Other (please specify)

1. If any digestate was disposed of in landfills or incinerated in 20XX, please specify the amount in tons or gallons (if known).

[Type in number here] Choose an item.

1. Is the de-watered/dried digestate further treated prior to land application?

* Yes
* No

1. How do you manage the liquid digestate you produce? Check all that apply.

Beneficially reused as fertilizer via land application

Recirculated through digester

Discharged to a wastewater treatment plant

Other (please specify)

1. Is the liquid digestate further treated prior to land application?

* Yes
* No

1. Please indicate what the further treatment is and why it is necessary.
2. Do you recover nutrients from your digestate?
   * No
   * Yes, phosphorous recovery by chemical precipitation (e.g., struvite)
   * Yes, ammonia recovery
   * Other (please specify)