|  |  |  |
| --- | --- | --- |
| BIOSOLIDS OR SEWAGE SLUDGE ANNUAL REPORT FORM | | |
| **Program Information:** All preparers (Generators) and Land Applicators Must complete the following. | | |
| **Reporting Start Date:**Click here to enter a date. | **Reporting End Date:** Click here to enter a date. | |
| **Date:**Click here to enter a date. | **AZPDES Permit # ( if applicable ):**Click here to enter text. | |
| **Company name ( Preparer / Applicator):** Click here to enter text. | | |
| **Contact Name:** Click here to enter text. | **Title:**Click here to enter text. | |
| **Address:**Click here to enter text. |  | |
| **Phone:** Click here to enter text. | **E-mail:**Click here to enter text. | |
| Please select one of the following options pertaining to your obligation to submit a Biosolids Annual Report. My facility is a:  POTW with a design flow equal to or greater than 1 MGD Per Day  POTW that serves 10,000 people or more  Class I Sludge Management Facility as defined by 40 CFR 503.9  Biosolids Applicator (Complete Section 5 only)  Other Click here to enter text. | | |
| What is the estimated total of volume of biosolids or sewage sludge generated at your facility (in dry metric tons)?  Click here to enter text.  Were all biosolids removed from your facility sent to a landfill for disposal? Choose an item.  If yes, provide the name and address of the landfill(s). Click here to enter text.  If all biosolids or sewage sludge was sent to a landfill for disposal, you do not need to complete the remainder of this form, as it is only applicable to facilities preparing bisolids or sewage sludge for land application. | | |
| Certification: I certify, under penalty of law, that the information and descriptions, have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment. | | |
| Signature:  Title: | | Date: |

### **Generator/Preparers** - **Biosolids Storage and Treatment Processes**

2.1 Please check the box next to the following biosolids or sewage sludge storage practices and treatment processes used on the sewage sludge or biosolids generated or produced at your facility during the reporting period.

**Storage Practices**

Biosolids are stored in lined lagoons or impoundments

Biosolids stored directly on the ground

**Physical Treatment Processes**

Preliminary Operations (e.g. sludge grinding, degritting, blending

Thickening (e.g. gravity floatation, centrifugation, belt filter press, vacuum filter)

Sludge lagoon

**Pathogen Reduction Operations (PSRP)**

Aerobic Digestion

Air Drying (or “sludge drying beds”)

Anaerobic Digestion

Lower Temperature Composting

Lime Stabilization

**Process to Further Reduce Pathogens (PFRP)**

Higher Temperature Composting

Heat Drying (e.g. flash dryer, spray dryer, rotary dryer)

Heat Treatment (Liquid sewage sludge is heated to temp of 356 °F (180 °C) or higher for 30 minutes

Thermophilic Aerobic Digestion

Beta Ray Irradiation

Gamma Ray Irradiation

Pasteurization

### **Generators/Preparers: Disposition of Biosolids or Sewage Treatment Sludge:**

3.1 At the beginning of the year, did you have any biosolids or sewage sludge stored on site or remaining from previous years? Include any amount that is being stored anywhere. Choose an item.

If yes provide the following information:

|  |  |  |
| --- | --- | --- |
|  | CLASS A Biosolids | Class B Biosolids |
| Dry Ton Weight | Click here to enter text. | Click here to enter text. |
| Pathogen Testing | Choose an item. | Not applicable |
| Pathogen Reduction Method | Choose an item. | Choose an item. |
| Vector Attraction Reduction Method | Choose an item. | Choose an item. |
| Storage Locations | Click here to enter text. | Click here to enter text. |

3.2 At the end of the year, are any biosolids or sewage sludge stored on site? Choose an item.

If yes, provide the following information:

|  |  |  |
| --- | --- | --- |
|  | CLASS A Biosolids | Class B Biosolids |
| Dry Ton Weight | Click here to enter text. | Click here to enter text. |
| Pathogen Testing | Choose an item. | Not applicable |
| Pathogen Reduction Method | Choose an item. | Choose an item. |
| Vector Attraction Reduction Method | Choose an item. | Choose an item. |
| Storage Locations | Click here to enter text. | Click here to enter text. |

3.3 Were biosolids or sewage sludge received from another facility during the year, such as another wastewater treatment plant or another APP permitted facility for further processing? Choose an item.

If yes provide the following information for each facility. Click the plus sign to create as many tables as needed.

|  |  |  |
| --- | --- | --- |
| Name of Facility |  | |
| Location: |  | |
|  | CLASS A Biosolids | Class B Biosolids |
| Dry Ton Weight | Click here to enter text. | Click here to enter text. |
| Pathogen Testing | Choose an item. | Not applicable |
| Pathogen Reduction Method | Choose an item. | Choose an item. |
| Vector Attraction Reduction Method | Choose an item. | Choose an item. |
| Storage Locations | Click here to enter text. | Click here to enter text. |

* 1. Were biosolids removed from your facility for land application? Include all recipients, including haulers, name, phone number, land applicators, composters, drying facilities, EQB bagging facilities, bulk composting, etc.

|  |  |  |
| --- | --- | --- |
| Name of Facility | Click here to enter text. | |
| Management Practice Type: | Click here to enter text. | |
| Handler or Preparer Type: | Click here to enter text. | |
| Management Practice Detail: | Click here to enter text. | |
| Bag or Bulk Container: | Choose an item. | |
|  | CLASS A Biosolids | Class B Biosolids |
| Dry Ton Weight | Click here to enter text. | Click here to enter text. |
| Pathogen Testing | Choose an item. | Not applicable |
| Pathogen Reduction Method | Choose an item. | Choose an item. |
| Vector Attraction Reduction Method | Choose an item. | Choose an item. |
| Storage Locations | Click here to enter text. | Click here to enter text. |

1. **Generators/Preparers : Biosolids or Sewage Sludge Analytical Methods**

Arizona regulations specify that representative samples of sewage sludge that is land applied, placed on a surface disposal site, or fired in s sewage sludge incinerator, must be collected and analyzed. These regulations specify the analytical methods that must be used to analyzed samples of sewage sludge.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Method Number or Author | Results (if tested) | Comments (required if other) |
| Pathogens | | | |
| Ascaris ova. | Choose an item. | Click here to enter text. | Click here to enter text. |
| Fecal Coliform | Choose an item. | Click here to enter text. | Click here to enter text. |
| Helminth ova. | Choose an item. | Click here to enter text. | Click here to enter text. |
| Salmonella sp. Bacteria | Choose an item. | Click here to enter text. | Click here to enter text. |
| Total Cultural Viruses | Choose an item. | Click here to enter text. | Click here to enter text. |
| Metals | | | |
| Arsenic | Choose an item. | Click here to enter text. | Click here to enter text. |
| Beryllium | Choose an item. | Click here to enter text. | Click here to enter text. |
| Cadmium | Choose an item. | Click here to enter text. | Click here to enter text. |
| Chromium | Choose an item. | Click here to enter text. | Click here to enter text. |
| Copper | Choose an item. | Click here to enter text. | Click here to enter text. |
| Lead | Choose an item. | Click here to enter text. | Click here to enter text. |
| Mercury | Choose an item. | Click here to enter text. | Click here to enter text. |
| Molybdenum | Choose an item. | Click here to enter text. | Click here to enter text. |
| Nickel | Choose an item. | Click here to enter text. | Click here to enter text. |
| Selenium | Choose an item. | Click here to enter text. | Click here to enter text. |
| Zinc | Choose an item. | Click here to enter text. | Click here to enter text. |
| Nitrogen Compounds | | | |
| Ammonia Nitrogen | Choose an item. | Click here to enter text. | Click here to enter text. |
| Nitrate Nitrogen | Choose an item. | Click here to enter text. | Click here to enter text. |
| Nitrogen | Choose an item. | Click here to enter text. | Click here to enter text. |
| Organic Nitrogen | Choose an item. | Click here to enter text. | Click here to enter text. |
| Total Kjeldahl Nitrogen | Choose an item. | Click here to enter text. | Click here to enter text. |
| Other Analytes | | | |
| Fixed Solids | Choose an item. | Click here to enter text. | Click here to enter text. |
| Paint Filter Test | Choose an item. | Click here to enter text. | Click here to enter text. |
| pH | Choose an item. | Click here to enter text. | Click here to enter text. |
| Specific Oxygen Uptake Rate | Choose an item. | Click here to enter text. | Click here to enter text. |
| TCLP | Choose an item. | Click here to enter text. | Click here to enter text. |
| Temperature | Choose an item. | Click here to enter text. | Click here to enter text. |
| Total Solids | Choose an item. | Click here to enter text. | Click here to enter text. |
| Volatile Solids | Choose an item. | Click here to enter text. | Click here to enter text. |
| No Analytical Methods Used | Choose an item. | Click here to enter text. | Click here to enter text. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **5. Land Applicators: Specific information to be completed by Land Applicators Only** | | | | | | | | | | | | | | |
| ApplicationSite / Location | Field ID | Amount of Biosolids Applied(in dry tons) | Preparer | Pathogen Treatment Method | Vector Attraction Reduction Method | Loading Rate | Nitrogen Conc. (Organic + ammonium) | Type of Crop Grown After Application | Agronomic Rate of Crop Grown | The CumulativeConcentration of Pollutants(kilograms per hectare) in Soil | | | | |
| *Example:*  *ABC Farms, Aztec AZ* | *1A* | *350 tons* | *Aztec WWTP* | *Class B Alt. 2* | *Option 9* | *Tons or Kg/acre* |  | *Corn* |  |  | | | | |
|  | | | | |
| **1.** Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | As=Click here to enter text. | Cd=Click here to enter text. | Cr=Click here to enter text. | Cu=Click here to enter text. | Pb=Click here to enter text. |
| Hg=Click here to enter text. | Mo=Click here to enter text. | Ni=Click here to enter text. | Se=Click here to enter text. | Zn=Click here to enter text. |
| **2.** Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | As=Click here to enter text. | Cd=Click here to enter text. | Cr=Click here to enter text. | Cu=Click here to enter text. | Pb=Click here to enter text. |
| Hg=Click here to enter text. | Mo=Click here to enter text. | Ni=Click here to enter text. | Se=Click here to enter text. | Zn=Click here to enter text. |
| **3.** Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | As=Click here to enter text. | Cd=Click here to enter text. | Cr=Click here to enter text. | Cu=Click here to enter text. | Pb=Click here to enter text. |
| Hg=Click here to enter text. | Mo=Click here to enter text. | Ni=Click here to enter text. | Se=Click here to enter text. | Zn=Click here to enter text. |
| **4.** Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | As=Click here to enter text. | Cd=Click here to enter text. | Cr=Click here to enter text. | Cu=Click here to enter text. | Pb=Click here to enter text. |
| Hg=Click here to enter text. | Mo=Click here to enter text. | Ni=Click here to enter text. | Se=Click here to enter text. | Zn=Click here to enter text. |
| **5.** Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | Click here to enter text. | As=Click here to enter text. | Cd=Click here to enter text. | Cr=Click here to enter text. | Cu=Click here to enter text. | Pb=Click here to enter text. |
| Hg=Click here to enter text. | Mo=Click here to enter text. | Ni=Click here to enter text. | Se=Click here to enter text. | Zn= |