

STATE BIOSOLIDS SURVEY

2018 data conducted 2020-2021 biosolidsdata.org

District of Columbia (Washington, DC)

Infrastructure & Wastewater

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	2004 Data	2018 Data		
Total Number of WWTPs	: 1	1		
WWTP & Bioso	olids Infrastructure Totals			
Number of Separate Preparers (in- or out-of-state, receiving solids from your state/district):	0	0		
Total number of your state's/district's WWTPs sending to those Separate Preparers:	0	0		
Number of operating sludge incinerators in your state/district (total):	0	0		
Fluidized bed:	0	0		
Multiple hearth:	0	0		
Number of Part 258 landfills in your state/district accepting sewage sludge:	data not requested for 2004	0		Data presented here are from survey response by DC Water staff as part of the National Biosolids Data Project online survey for
Number of WWTPs in your state/district with industrial pre-treatment programs:	data not requested for 2004	1		WRRFs/WWTPs, January 29, 2021. DC Water operates 1 large WRRF - the Blue Plains treatment facility, which serves a
Number of WWTPs in your state/district with sludge lagoons:	data not requested for 2004	0		population of 2.3 million, including all of DC and large portions of Montgomery and Prince George's counties in Maryland and Fairfax
Waster	water Flow Totals	carried forward from 2004 data.		
Total average daily wastewater flow (MGD):	data not requested for 2004	318		
Total WWTP design capacity for wastewater flow (MGD):	data not requested for 2004	384		
Total average daily dry weather flow (MGD):	data not requested for 2004	270		
	Other Totals			
Number of documented odor & nuisance complaints received by state/district in 2018				
related to biosolids transportation and use or disposal outside of the gates of the WWTP:	data not requested for 2004	N/A		
Number of WWTPs involved in those complaints:	data not requested for 2004	N/A		
Percent of population served by on-site systems (e.g. septic systems):	1%	1%		

Biosolids Use and Disposal

	UNITS:	Dry U.S. tons	Dry U.S. tons				
BIOSOLIDS USED OR DISPOSED, 2018 (adjusted total): 51,400							
Summary							
	Number of Entities (WWTPs & Sep. Preparers) Going To	Quantity of Biosolids	Number of Entities (WWTPs & Sep. Preparers) Going To	Quantity of Biosolids	NOTE: Quantity of sewage sludge or biosolids used or disposed means the quantity that goes out the gate of the WWTPs. Use the units (the form of measurement) you chose above.		
Beneficial Use (applied to soils, not including ADC)	1	105,787	1	51,395			
Disposal & Alternative Dispositions	0	0	0	0	Do Weter formative and Do WARA and and Class B alleling statistical biosoficial webliets and 2010s		
Other	0	0	0	0	DC water - tormeny known as DC wASA - produced class b, arkaine-stabilized biosolids until the early 2010s.		
TOTAL	1	105,787	1	51,395			
Beneficial Use							
	Sep. Preparers) Going To	Quantity of Biosolids	Preparers) Going To	Quantity of Biosolids			
Agricultural (EQ, Class A, & Class B)	1	96,892	1	42,279			
Forestland (EQ, Class A, & Class B)	1	7,955	1	3,533	DC Water biosolids are treated by anaerobic digestion preceded by thermal hydrolysis, producing high quality, relatively low-odor		
Reclamation (EQ, Class A, & Class B)	1	939	1	1,867	biosolids that are used in bulk in agriculture and forestry and blended with other feedstocks to make soil amendment products for use		
Class A EQ Distribution (bagged or bulk, public distribution, or unsure where it went)	1	0	1	3,717	In gardens and landscapes throughout the District of Columbia and beyond. In 2018, 3% of biosolids were cured and dned to create another, different biosolids product. • All of the treatment and preparation of the DC Water biosolids is done by DC Water staff. Modeling, distribution, and long anglicities is conducted by contracted builder, modeling, and long anglicities is biosolids.		
Beneficial Use Subtotal	1	105,787	1	51,395	Management, distinction, and and application is conducted by contracted names, markets, and and applies. Burk biosons were Lapplied to 7000 acres of forest land and apricultural land, where the cross grown include hav/grass for animal feed, wheat, sov. other		
Long-term storage	0	0	0	0	grains, woody biomass. Biosolids soil blends used in gardens and landscapes supported the growth of vegetables for human		
consumption, flowers and shrubs, turfgrass, fruit trees, and native vegetation.							
Number of acres to which biosolids were applied:		data not provided		7,000			
Disposal & Alternative Dispositions							
	Number of Entities (WWTPs & Sep. Preparers) Going To	Quantity of Biosolids	Number of Entities (WWTPs & Sep. Preparers) Going To	Quantity of Biosolids			

Landfill (total)	0	0	0	0
Burial	data not requested for 2004	data not requested for 2004	0	0
Alternative daily (ADC), intermediate, or final cover	data not requested for 2004	data not requested for 2004	0	0
Surface Disposal	0	0	0	0
Incineration	0	0	0	0
Cement kiln or industrial furnace	data not requested for 2004	data not requested for 2004	0	0
Deep well injection	data not requested for 2004	data not requested for 2004	0	0
Gasification	data not requested for 2004	data not requested for 2004	0	0
Pyrolysis	data not requested for 2004	data not requested for 2004	0	0
Disposal & Alternative Dispositions Subtotal	-	-	-	-
TOTAL	1	105,787	1	51,395

Biosolids Quality Summary

	Number of Entities (WWTPs & Sep. Preparers) Producing	Quantity of Biosolids	Number of Entities (WWTPs & Sep. Preparers) Producing	Quantity of Biosolids	NOTE: For "number of entities," the total may not match because some entities go to more than one use or disposal.
Class A EQ	3	2,103	1	51,395	
Other Class A	0	0	0	0	
Class B	35	55,000	0	0	
Other (no data, etc.)	0	3,574	0	0	
TOTAL	38	60,677	1	51,395	

Biosolids Treatment Practices

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Control Control Control Control Areado Control Contr		Estimated Number of WWTPs	Estimated Quantity of Biosolids	Estimated Number of WWTPs or	Estimated Quantity of Biosolids	
Stabilization Ander Degree (fold) Image: Stabilization	or Separate Preparers Using Produced Using Separate Preparers Using Produced Using					
Antrobic Designed (reduit) Image: end (reduit) <thimage: (reduit)<="" end="" th=""> Image: end (reduit)</thimage:>	Stabilization					
Case Al ADCIDNM Bain frequented 2001 Bain frequen	Aerobic Digestion (total)	1	698	0	0	
Class B disn or requests 00 200 disn or requests 00 200 1 51.305 Case A, formophili disn or requests 00 200 disn or requests 00 200 0 0 Case A, formophili disn or requests 00 200 disn or requests 00 200 0 0 Case A, formophili disn or requests 00 200 disn or requests 00 200 0 0 0 Case A, formophili disn or requests 00 200 disn or requests 00 200 0 0 0 0 Case B intradiguation disn or requests 00 200 disn or requests 00 200 0 0 0 0 Case B intradiguation disn or requests 00 200 disn or requests 00 200 0 0 0 0 Case B intradiguation disn or requests 00 200 disn or requests 00 200 0 0 0 0 Case B intradiguation disn or requests 00 200 disn or requests 00 200 0 0 0 0 Case B intradiguation disn or requests 00 200 disn or requests 00 200 0 0 0 0 0 0 <t< td=""><td>Class A (ATAD/Other)</td><td>data not requested for 2004</td><td>data not requested for 2004</td><td>0</td><td>0</td><td></td></t<>	Class A (ATAD/Other)	data not requested for 2004	data not requested for 2004	0	0	
Avarable digendin (AD) (cold) (cold) </td <td>Class B</td> <td>data not requested for 2004</td> <td>data not requested for 2004</td> <td>0</td> <td>0</td> <td>*</td>	Class B	data not requested for 2004	data not requested for 2004	0	0	*
Class A non-originate 02004 dist or requests 02004 dist or requests 02004 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 0 0 Class B (resc, find) dist or requests 02004 dist or requests 02004 dist or requests 02004 dist or requests 02004 Class B (resc, find) dist or requests 02004 dist or requests 02004 dist or requests 02004 dist or request 02004 Class B (resc, find) dist or requests 02004 dist or request 02004 0 dist or request 02004 Dist est	Anaerobic digestion (AD) (total)	0	0	1	51,395	
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WVTP co.dignation (COL, Co.d., spred, ed.) disk not requested to 204 0 no data Construction (Section), Led, ed., section), Led, ed., section (Section), Led, ed., section), Led, ed., section (Secti	Class B (mesophilic)	data not requested for 2004	data not requested for 2004	0	0	
Biggs up henting skelicity, hul, ediz, sch/wei dia not requested for 2004 0 no data Lima/Alaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 als not requested for 2004 0 0 Cases Jimu/Salaine 4 and not requested for 2004 0 0 Cases Jimu/Salaine 1 0 0	WWTPs co-digesting (FOG, food, glycol, etc.)	data not requested for 2004	data not requested for 2004	0	no data	
Line/Aliane (claid) Immanual (claid) <thimmanual (claid<="" td=""><td>Biogas used (heating, electicity, fuel, etc.;scf/year)</td><td>data not requested for 2004</td><td>data not requested for 2004</td><td>0</td><td>no data</td><td></td></thimmanual>	Biogas used (heating, electicity, fuel, etc.;scf/year)	data not requested for 2004	data not requested for 2004	0	no data	
Class A lime/altalian data not requested to 2004 data not requested to 2004 0 0 Cass B lime/altalian data not requested to 2004 data not requested to 2004 0 0 Cass B lime/altalian data not requested to 2004 data not requested to 2004 0 0 0 Cass B lime/altalian data not requested to 2004 no data 0 0 Order tended service Deveatering no data no data 0 0 0 Serve Press no data no data 0 0 0 0 Dring bes, for more longe, lot 1 no data no data 0 0	Lime/Alkaline (total)	0	0	0	0	
Class Bim/aitalianal data not requested for 2004 0 0 Compositing 2 1.05 0.0 0.0 Thermal (e.g., best dying, not indiversition/ygaifficativ/ygo) 0 0 0.0 Pyrobyisi data not requested for 2004 data not requested for 2004 0.0 0.0 Hydrobyisi (bremal, chenical, etc.) data not requested for 2004 0.0 0.0 0.0 Coddition dith./ requested for 2004 data not requested for 2004 0.0 0.0 0.0 Coddition dith./ requested for 2004 data not requested for 2004 0.0 0.0 0.0 Coddition dith./ requested for 2004 data not requested for 2004 0.0 0.0 0.0 Obdition dith./ requested for 2004 no data 0.0 0.0 0.0 0.0 Server Press no data no data 0.0 0.0 0.0 0.0 0.0 Server Press no data no data 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Class A lime/alkaline	data not requested for 2004	data not requested for 2004	0	0	*
Composing 1.00 0 0 Termal (a) and dying, on their endysalidity of 2004 data not requested for 2004 0 0 Gasification data not requested for 2004 data not requested for 2004 0 0 Hydrolysis (thermal, ehenical, etc) data not requested for 2004 0 0 0 Composition (the / schended seration data not requested for 2004 0 0 0 Order stabilization technology no data no data 0 0 0 Order stabilization technology no data no data 0 0 0 Bot Filter Press no data approx.21:690 1 51:395 1 51:395 Plate S Arame Press no data no data 0 0 0 Screen Press no data no data 0 0 0 Solar Aring (spen-tair) no data no data 0 0 0 Solar Aring (spen-tair) no data no data 0 0 0 Solar Aring (spen-tair)<	Class B lime/alkaline	data not requested for 2004	data not requested for 2004	0	0	
Thermal log_baset dyning, not incinental on/gasification/yee 0 0 0 Gasification data not requested for 2004 data not requested for 2004 0 0 Prolyini data not requested for 2004 data not requested for 2004 0 0 Ung-termit (agonts, cee) bods, eL) no data no data 0 0 Obdet stabilization technology no data no data 0 0 Obdet stabilization technology no data 0 0 0 Def stabilization technology no data 0 0 0 Pite A Frame Press no data 0 0 0 Sereer Press no data no data 0 0 0 Origin bed, formal, form	Composting	2	1,405	0	0	*
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Other stabilization technology no data no data 0 0 Dewxtering	Oxidation ditch / extended aeration	data not requested for 2004	data not requested for 2004	0	0	*
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Gravity thickener data not requested for 2004 data not requested for 2004 1 26,211 Gravity belt thickener (GBT) data not requested for 2004 data not requested for 2004 0 Centrifuge data not requested for 2004 data not requested for 2004 1 51,395 Dissolved air flotation (DAF) data not requested for 2004 1 25,184 Other thickening technology data not requested for 2004 0 0 Other		Th	ickening			
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Biosolids sold in bags (explain at right what size bags) data not requested for 2004 data not requested for 2004 0 N/A	Other thickening technology	data not requested for 2004	data not requested for 2004	0	0	+
Biosolids sold in bags (explain at right what size bags) data not requested for 2004 data not requested for 2004 0 N/A			Other	*		
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	Biosolids sold in bags (explain at right what size bags)	data not requested for 2004	data not requested for 2004	0	N/A	