



Annual Biosolids Report 2016

READ THIS INSTRUCTION PAGE BEFORE COMPLETING THIS REPORT

When is this Report Due? March 1, 2017*

Who Must Complete this Report?

- Facilities in Washington that treat, store, use, or dispose of biosolids, sewage sludge, or septage.
- This includes: wastewater treatment plants, composters, septage management facilities, and biosolids beneficial use facilities (BUFs).

How Do I Complete this Report?

- Do not leave sections blank unless directed.
- If an answer is zero enter "0". For an estimate enter "EST".
- **Word file check boxes:** Double click to select checked or unchecked options.
- Report all amounts in **dry tons** unless another unit is requested.
- Do not submit this instruction page.

To convert from **wet tons** or **gallons** to dry tons use the following **conversion factors**:

$$\text{Dry tons} = \text{Wet tons} \times \% \text{ Solids}$$

$$\text{Dry tons} = \left(\frac{\text{gal} \times 8.34}{2000} \right) \times \% \text{ Solids}$$

Note: For Septage assume 2% solids

Who Signs the Report?

- The certification statement **must be signed by the Responsible Official** listed in Section A
- Or by an authorized representative who **attaches a copy of signature delegation** with report.
- The person signing this report **must verify information** provided by others before signing.

Where Do I Submit the Report?

- A copy should be sent to Ecology Headquarters, your regional coordinator and Local Health Jurisdiction**.

<p>All Facilities Must Send To: Michelle Andrews Department of Ecology—W2R Program PO Box 47600 Olympia, WA 98504-7600 Email: Michelle.Andrews@ecy.wa.gov</p>		<p>Majors & Class 1 Facilities: must also submit an electronic report to US EPA by February 21, 2017. www.epa.gov/compliance/NPDES-ereporting EPA Help Desk: (877) 227-8965 EPA Help Desk email: NPDESeReporting@epa.gov</p>	
<p>Central Region Biosolids Facilities: Peter Severtson Department of Ecology—W2R Program 1250 West Alder Union Gap, WA 98903 Email: Peter.Severtson@ecy.wa.gov</p>		<p>Central & Eastern Region Septage Facilities: Canming Xiao Department of Ecology—W2R Program 1250 West Alder Street Union Gap, WA 98903-0009 Email: Canming.Xiao@ecy.wa.gov</p>	
<p>Eastern Region Biosolids Facilities: Betty Ann Bickner Department of Ecology—W2R Program N 4601 Monroe, Ste 100 Spokane, WA 99205-1295 Email: BettyAnn.Bickner@ecy.wa.gov</p>	<p>Northwest Region Facilities: Amber Corfman Department of Ecology—W2R Program 1440 – 10 Street Suite 102 Bellingham, WA 98225 Email: Amber.Corfman@ecy.wa.gov</p>	<p>Southwest Region Facilities: Kelsey Dunne Department of Ecology—W2R Program PO Box 47775 Olympia, WA 98504-7775 Email: Kelsey.Dunne@ecy.wa.gov</p>	

- **Submit copies of all relevant analytical results and monitoring data** with report.
- Contact your regional Biosolids Coordinator if you have any questions regarding this report.
- This report form is also available online at: www.ecy.wa.gov/biblio/ecy070125.html

**Failure to submit your report by this date is a violation of the state biosolids rule ([Chapter 173-308 WAC](#)) and may result in enforcement actions. **If required by local health jurisdiction.*

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Name of Facility	
Owner	
Physical Address	
Mailing Address	
Permit Number	

	Primary Contact	Responsible Official
Name		
Title		
Phone		
Email		

Facility type <i>(check all that apply)</i>
<input type="checkbox"/> Major sewage treatment facility (design flow of ≥ 1 mgd <u>or</u> serving a population of $\geq 10,000$)
<input type="checkbox"/> Minor sewage treatment facility (design flow of < 1 mgd <u>and</u> serving a population of $< 10,000$)
<input type="checkbox"/> Class I sewage treatment facility (have a pretreatment program or designated as Class I)
<input type="checkbox"/> Composting facility (receive biosolids or sewage sludge for composting)
<input type="checkbox"/> Septage management facility (land apply or prepare septage for land application)
<input type="checkbox"/> Beneficial use facility (receive biosolids from others for direct land application)
<input type="checkbox"/> Lagoon facility (all solids are stored in lagoons)
<input type="checkbox"/> Out-of-State (importing material to a facility within Washington State)
<input type="checkbox"/> Other—describe:

1. DRY TONS of biosolids produced in 2016?	
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2. Stored <i>(Not including materials currently in treatment such as a lagoon or drying bed.)</i>	How Much <i>(dry tons)</i>
More than 2 years: <input type="checkbox"/> Yes <input type="checkbox"/> No	

3. Lagoon Treatment: <input type="checkbox"/> Yes <i>(Complete table)</i> <input type="checkbox"/> No <i>(Skip to next table)</i>	
The last time solids accumulation was surveyed <i>(Month, Year)</i>	
When do you plan to remove solids <i>(Year)</i>	

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4. Land Applied or Sold/Given Away: <input type="checkbox"/> Yes (<i>Complete table</i>) <input type="checkbox"/> No (<i>Skip to next table</i>) <i>(not for biosolids sent to a BUF)</i>	
Applied to:	Amount (<i>dry tons</i>)
Total	
Agricultural Site	
Forest Site	
Reclamation Site	
Public Contact Site	
Lawn or Home Garden	
Sold/Given away <i>(In Bulk, Bag/Other container, Compost, or Blended Product)</i>	
Land Application Site Information (<i>do not complete for biosolids you sent to a BUF</i>)	
Location (<i>unit, field name, address, or latitude/longitude</i>)	
Amount Applied (<i>dry tons</i>)	
Acres Applied To (<i>acres</i>)	
Vegetation Grown	

5. Did you compost biosolids: <input type="checkbox"/> Yes (<i>Complete table</i>) <input type="checkbox"/> No (<i>Skip to next table</i>)		
Feedstocks	Amount in tons <i>(or specify what units used)</i>	County of Origin <i>(if out-of-state, list county and state)</i>
<input type="checkbox"/> Agricultural organics (crop residues)		
<input type="checkbox"/> Biosolids, sewage sludge, septage <i>(specify): WET or DRY:</i>		
<input type="checkbox"/> Food processing		
<input type="checkbox"/> Food waste, post-consumer		
<input type="checkbox"/> Food waste, pre-consumer		
<input type="checkbox"/> Food waste (<i>other</i>)		
<input type="checkbox"/> Industrial organics (<i>specify</i>):		
<input type="checkbox"/> Landclearing debris		
<input type="checkbox"/> Manure (<i>type</i>): <i>may include bedding</i>		
<input type="checkbox"/> Mortalities & other animal parts		
<input type="checkbox"/> Sawdust/shavings		
<input type="checkbox"/> Other wood debris (<i>specify</i>):		
<input type="checkbox"/> Yard debris		
<input type="checkbox"/> Yard debris/food scraps (mixed)		
<input type="checkbox"/> Other (<i>specify</i>):		
How many cubic yards of biosolids compost did you produce in 2016?		

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6. Biosolids Sent To and From:		Amount <i>(dry tons)</i>	Facility, Permit Number, and Subtotal:
Sent to:	Facility for further treatment		
	Beneficial Use Facility (BUF)		
	Landfill for disposal		
	Incinerator <i>(including on-site)</i>		
Received:	Facility for further treatment		
	Beneficial Use Facility (BUF)		
	Septage <i>(gallons)</i>		

7. Pollutants <i>(not applicable to septage unless required by permit; see WAC 173-308-160)</i>	
Number of pollutant monitoring events in the past year:	
Pollutants Exceeding Table 1 Values:	<input type="checkbox"/> As <input type="checkbox"/> Cd <input type="checkbox"/> Cu <input type="checkbox"/> Hg <input type="checkbox"/> Mo <input type="checkbox"/> Ni <input type="checkbox"/> Pb <input type="checkbox"/> Se <input type="checkbox"/> Zn
Pollutants Exceeding Table 3 Values:	<input type="checkbox"/> As <input type="checkbox"/> Cd <input type="checkbox"/> Cu <input type="checkbox"/> Hg <input type="checkbox"/> Mo <input type="checkbox"/> Ni <input type="checkbox"/> Pb <input type="checkbox"/> Se <input type="checkbox"/> Zn

8. Give a brief description of your biosolids handling and any comments

9. Pathogen Reduction <i>(check all that apply; see WAC 173-308-170 or WAC 173-308-270[3])</i>	
Class A	Class B
<input type="checkbox"/> Alternative 1 <i>(time/temperature)</i>	<input type="checkbox"/> Alternative 1 <i>(7 samples)</i>
<input type="checkbox"/> Alternative 2 <i>(pH/time/temperature/% solids)</i>	Alternative 2 <i>(process to significantly reduce pathogens [PSRP])</i> <input type="checkbox"/> Aerobic digestion <input type="checkbox"/> Air drying <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Composting <input type="checkbox"/> Liming (septage, see below)
Alternative 3 <i>(process to further reduce pathogens [PFRP])</i> <input type="checkbox"/> Composting <input type="checkbox"/> Heat drying <input type="checkbox"/> Heat treatment <input type="checkbox"/> Pasteurization <input type="checkbox"/> Beta ray irradiation <input type="checkbox"/> Gamma ray irradiation <input type="checkbox"/> Thermophilic aerobic digestion	
<input type="checkbox"/> Alternative 4 <i>(PFRP equivalent)</i>	
Septage	<input type="checkbox"/> Sent for Further Treatment
<input type="checkbox"/> Injection	Receiving Facility Permit No:
<input type="checkbox"/> Incorporation	<input type="checkbox"/> Did not meet requirement —explain:
<input type="checkbox"/> pH stabilization	

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10. Vector Attraction Reduction (see WAC 173-308-180 or WAC 173-308-270(3))	
<input type="checkbox"/> Alternative 1 (38% volatile solids reduction) <input type="checkbox"/> Alternative 1a (bench test-anaerobic) <input type="checkbox"/> Alternative 1b (bench test-aerobic)	<input type="checkbox"/> Alternative 4 (pH stabilization) <input type="checkbox"/> Alternative 5 ($\geq 75\%$ solids) <input type="checkbox"/> Alternative 6 ($\geq 90\%$ solids)
<input type="checkbox"/> Alternative 2 (SOUR)	<input type="checkbox"/> Alternative 7 (injection)
<input type="checkbox"/> Alternative 3 (aerobic process)	<input type="checkbox"/> Alternative 8 (incorporation)
<input type="checkbox"/> Sent for Further Treatment Receiving Facility Permit No:	<input type="checkbox"/> Did not meet requirement—explain:

11. Attachments (check all that apply; include actual lab reports for analytical data)
<input type="checkbox"/> Pollutants Lab Data (if testing was required). <input type="checkbox"/> Pathogen Reduction Data (if testing was required). <input type="checkbox"/> Vector Attraction Reduction Data (if testing was conducted). <input type="checkbox"/> Copy of signature authority (signed by responsible official).
<input type="checkbox"/> Other—describe: (examples include soil and water sampling results, time and temperature monitoring data, pH monitoring data, and additional land application site information)

12. Signature Delegation (In accordance with WAC 173-308-310(10))
Is someone other than the Responsible Official listed above signing the report?
<input type="checkbox"/> Yes (attach copy of formal delegation of signature authority from responsible official) <input type="checkbox"/> No

13. Certification Statement (must be signed by the Responsible Official listed in Section A or a duly authorized representative with copy of signature authority attached) (see WAC 173-308-310(10)(b))
<p><i>“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”</i></p> <p>Responsible Official Signature _____ Date _____</p> <p>Responsible Official Name and Title (print) _____, _____</p>

To request ADA accommodation for disabilities, or printed materials in a format for the visually impaired, call Ecology at (360) 407-6900. Persons with impaired hearing may call Washington Relay Service at 711. Persons with a speech disability may call TTY at 877-833-6341.