



Environmental Protection Agency

Division of Surface Water
Annual Sewage Sludge Report 2011

Instructions for Completing and Submitting an Annual Sewage Sludge Report

1. Annual Sewage Sludge Report (Ohio EPA 4229)

A complete annual sewage sludge report (Ohio EPA 4229) shall consist of the following information:

- A. Facilities that have not removed sewage sludge:
 - i. Form 1

- B. Facilities that have beneficially used Class B biosolids:
 - i. Forms 1, 2, and 5;
 - ii. Form 6, if applicable;
 - iii. Appendices A and C;
 - iv. Appendix D if applicable;
 - v. Appendix E if applicable;
 - vi. Pathogen reduction and vector attraction reduction monitoring results; and
 - vii. A summary of complaints received and implemented corrective actions.

- C. Facilities that have beneficially used exceptional quality biosolids:
 - i. Forms 1, 3, and 5;
 - ii. Appendix B;
 - iii. Pathogen reduction and vector attraction reduction monitoring results; and
 - iv. A summary of complaints received and implemented corrective actions.

- D. Facilities that incinerate, landfill, transfer to PPG Lime Lakes, or transfer to another NPDES permittee:
 - i. Forms 1 and 4; and
 - ii. A summary of complaints received and implemented corrective actions.

2. Form 1 - General Information

Fill out the information requested. The Ohio NPDES permit No. refers to the National Pollutant Discharge Elimination System (NPDES) permit for the treatment works. The number begins with 0, 1, 2, 3 or 4 followed by a P, and would look like 0PA00000*AD (for out of state facilities this is your 5INXXXXX number). **All permittees submitting an Annual Sewage Sludge Report (Ohio EPA 4229) must complete Form 1. If no sewage sludge was removed from the treatment works, only Form 1 of the Annual Sewage Sludge Report (Ohio EPA 4229) is required to be mailed to Ohio EPA in accordance with instruction item No. X.**

3. Form 2 - Station 581: Beneficial Use of Class B Biosolids

This form must be completed by the authorized representative if the treatment works is generating a Class B biosolid that has been beneficially used in accordance with the treatment works' NPDES permit via Station 581. The authorized representative must mark Table 1 with an "X" at the location where the Pathogen Reduction (PR) Alternative and Vector Attraction Reduction (VAR) Option the treatment works is performing intersect. If the treatment works is performing multiple PR alternatives and VAR options, then multiple "X"s will be marked on the grid. For each row where an "X" is marked, the DMR Reporting Code 70316 sewage sludge weight (sewage sludge weight is the dry tons of sewage sludge, **including any admixtures**,

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removed from the treatment plant and land applied during the calendar year) and the DMR Reporting Code 51129 sewage sludge fee weight (sewage sludge fee weight is the dry tons of sewage sludge, **excluding admixtures**, land applied during the calendar year) associated with the PR alternative and VAR option intersection must be provided. This is to ensure a generator of sewage sludge **is not** invoiced an Annual Sewage Sludge Fee for material other than sewage sludge. Only dry tons of Class B biosolids actually removed from the treatment works during the calendar year shall be reported.

4. Form 3 - Station 584: Beneficial Use of Exceptional Quality Biosolids

This form must be completed by the authorized representative if the treatment works is generating an Exceptional Quality biosolid in accordance with the treatment works' NPDES permit via Station 584. The authorized representative must mark Table 2 with an "X" at the location where the PR Alternative and VAR Option the treatment works is performing intersect. If the treatment works is performing multiple PR alternatives and VAR options, then multiple "X"s will be marked on the grid. For each row where an "X" is marked, the DMR Reporting Code 70316 sewage sludge weight (dry tons) and the DMR Reporting Code 51129 sewage sludge fee weight (dry tons) associated with the PR alternative and VAR option intersection must be provided. Only dry tons of exceptional quality biosolids actually removed from the treatment works during the calendar year shall be reported.

5. Form 4 - Stations 585, 586, 588, and transfer to PPG Lime Lakes: Sewage Sludge/Biosolids Disposal Alternatives

This form must be completed by the authorized representative if the treatment works has disposed of sewage sludge/biosolids in accordance with the treatment works's NPDES permit via Stations 585, 586, 588, or by transfer to PPG Lime Lakes. For Station 585 (Incineration), Station 586 (Landfill), and transfer to PPG Lime Lakes, fill in the DMR Reporting Code 51129 sewage sludge fee weight (dry tons). For Station 588, fill in DMR Reporting Code 70316 sewage sludge weight or DMR Reporting Code 80991 Sludge Volume in Gallons.

If you are disposing of your sewage sludge/biosolids in a landfill, you must provide the name of licensed landfill receiving the sewage sludge/biosolids in the space provided.

If you are transferring your sewage sludge/biosolids to another NPDES permit holder, you must provide the name of the receiving treatment works and the Ohio NPDES Permit Number of the receiving treatment works in the spaces provided. If the treatment works that you are transferring your sewage sludge/biosolids to is out of state, provide the USEPA NPDES number for the treatment works in the space provided.

6. Form 5 - Sewage Sludge Monitoring

This form must be completed by the authorized representative if Forms 2 and 3 have been utilized.

- A. **Table 5** is used to report the metal pollutant analyses of the sewage sludge conducted over the course of the previous calendar year if biosolids were beneficially used under Stations 581 or 584. If no analysis was done during a month, leave all rows blank.

If one analysis was done during a month, put the result in the "Max" and "Avg" rows for that month. If the result was below the detection limit put "AA" in the "Max" and "Avg" rows for that month.

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If more than one sewage sludge analysis was done in a month, put the highest result in the "Max" row. Calculate the arithmetic average of all analyses and put the result in the "Avg" row. Use the detection limit reported by the laboratory when calculating an "Avg" that includes results that were below the detection limit. If all of the results for a month were below the detection limit put "AA" in the "Max" and "Avg" row for that month.

In the "Highest Reported Maximum Value for Year" row, insert the single largest value appearing in the "Max" rows of the individual months. In the "Highest Reported Monthly Average for Year" row, insert the highest reported value that appears in the "Avg" row out of all of the months.

- B. **Table 6** is used to report additional sewage sludge monitoring parameters. For each individual month, insert the analysis results for all parameters required to be monitored by your Ohio NPDES permit.

If only one monitoring event was performed during a month, insert that value into the "Max" row for each month.

If more than one monitoring event was performed during a month, insert the highest reported value into the "Max" row, and insert the lowest reported value in the "Min" row. Calculate the arithmetic average of all analyses and put the result in the "Avg" row. Use the detection limit reported by the laboratory when calculating an "Avg" that includes results that were below the detection limit. If all of the results for a month were below the detection limit put "AA" in the "Max," "Avg," and "Min" row for that month.

7. **Form 6 - Cumulative Pollutant Loading Rate**

This form must be completed by the authorized representative only for authorized beneficial use sites where biosolids exceeding pollutant monthly average concentrations has been beneficially used. This summary must include the running total of metals in lbs/acre for the beneficial use sites where biosolids subject to the cumulative pollutant loading rates have been beneficially used up to December 31, 2011. The summary must include the Ohio EPA #, county where site is located, township where site is located, and latitude/longitude of the site. **New for 2011-only submit this form for CPLR sites on which biosolids were beneficially used during calendar year 2011.**

If CPLR biosolids have never been beneficially used on any authorized beneficial use sites, it is not necessary to fill out this table.

9. **Appendices A, B, C, D, and E - Certification Statements**

All certification statements required by rule are provided as appendices to the Annual Sewage Sludge Report. The signatory requirements for signing all applicable certification statements shall be in accordance with Title 40 of the Code of Federal Regulations, Part 122.22, which include the following:

For a corporation by a corporate officer or their duly authorized representative;
For a partnership or sole proprietorship by a general partner or the proprietor or their duly authorized representative; or
For a municipality, State, Federal, or other public agency by either a principal executive officer or ranking elected official or their duly authorized representative.

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- A. General Form – This certification must be signed by the authorized representative of all facilities that are required to submit an Annual Sewage Sludge Report (Ohio EPA 4229);
- B. Appendix A - This form must be completed by the **authorized representative of the treatment works** if the treatment works is generating Class B biosolids that have been beneficially used in accordance with the treatment works' NPDES permit via Station 581. The pathogen reduction certification statement must **always** be signed. The vector attraction reduction (VAR) certification statement must be signed if the treatment works relies on meeting one or more of VAR alternatives 1 through 8 prior to beneficial use or if the treatment works relies on VAR alternatives 9 (Injection) or 10 (Immediate Incorporation) and land applies the biosolids themselves. If the treatment works relies on VAR alternatives 9 or 10 and utilizes a third party to land apply the biosolids, then the VAR statement in Appendix A shall not be signed; instead the third party shall sign Appendix D.
- C. Appendix B - This form must be completed by the **authorized representative of the treatment works** if the treatment works is generating an Exceptional Quality biosolid in accordance with the treatment works' NPDES permit via Station 584;
- D. Appendix C - This form must be completed by the **authorized representative of the beneficial user** if the treatment works has beneficially used Class B biosolids;
- E. Appendix D - This form must be completed by the **authorized representative of the beneficial user** if vector attraction reduction requirements for beneficially used Class B biosolids are satisfied through alternatives 9 and/or 10, injection and/or immediate incorporation, as identified in Table 1 of this annual report;
- F. Appendix E - This form must be completed by the **authorized representative of the treatment works** if biosolids exceeding pollutant monthly average concentrations (CPLR sewage sludge) have been beneficially used during the calendar year.

10. Supplemental Information

Additional information that must be attached to the Annual Sewage Sludge Report 2011 for biosolids that have been beneficially used (Station 581 and Station 584) includes the following:

- A. Pathogen Reduction and Vector Attraction Reduction Monitoring Results - To fulfill this requirement, submit copies of the information collected to show that pathogen reduction and vector attraction reduction has been completed. Examples would include copies of fecal coliform monitoring results, bench sheets showing the volatile solids reduction calculations, time and temperature records for aerobic digestion, etc; and
- B. Summary of Complaints - If your treatment works received a complaint regarding the beneficial use of your biosolids during the calendar year, submit a summary of the complaint and the actions taken by your treatment works to remedy the situation.

11. Submittal Procedure

Two copies of the Annual Sewage Sludge Report (Ohio EPA 4229) shall be submitted to Ohio EPA. Submit one copy of the Annual Sewage Sludge Report (Ohio EPA 4229) to the Ohio EPA Central Office in Columbus, Ohio at the applicable address below and the second copy to the appropriate district office as listed on the following page. **Please only submit the applicable forms that you were required to provide information on. You do not need to submit copies**

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of any forms of the Annual Sewage Sludge Report (Ohio EPA 4229) that you did not have to fill in any information on, including these instruction sheets.

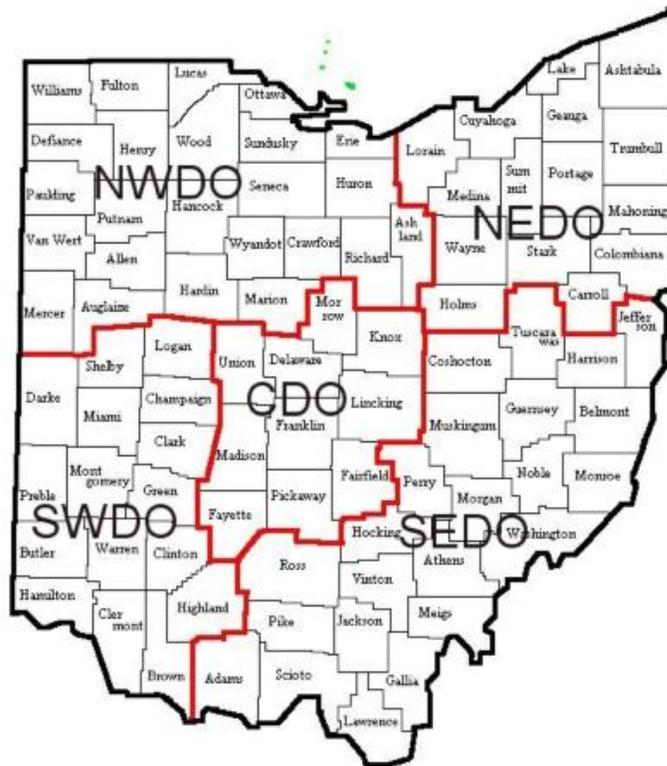
If by mail:

Ohio EPA
Division of Surface Water
Attn: Jacob Howdysshell
P.O. Box 1049
Columbus, Ohio 43216-1049

If by courier:

Ohio EPA
Division of Surface Water
Attn: Jacob Howdysshell
50 W. Town St., Suite 700
Columbus, Ohio 43215

Submit the other copy to the appropriate Ohio EPA District Office. A map and addresses are provided below (if you are in the Central District, you will only need to send one copy to the attention of Jacob Howdysshell at the address above):



Ohio EPA, Southwest District Office
Attn: Sewage Sludge Annual Report
401 East Fifth Street
Dayton, OH 45402-2911

Ohio EPA, Northwest District Office
Attn: Andrew Gall, Sewage Sludge Coordinator
347 North Dunbridge Road
Bowling Green, OH 43402

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Ohio EPA, Southeast District Office
Attn: Sewage Sludge Annual Report
2195 Front Street
Logan, OH 43138

Ohio EPA, Northeast District Office
Attn: Chris Moody, Sewage Sludge Coordinator
2110 East Aurora Road
Twinsburg, OH 44087