



# Environmental Protection Agency

Division of Surface Water  
Annual Sewage Sludge Report 2011

## General Information

Facility name:		
Ohio NPDES permit No:	County:	
Mailing address:		
City:	State:	Zip:

**Mark box with an "X" if no sewage sludge has been removed from the facility for the year 2011.**

If no sewage sludge was removed from the facility during 2011, on what date was sewage sludge last removed from the facility?

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Mark box with an "X" if sewage sludge has never been removed from the facility.**

## Certification Statement

"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".

\_\_\_\_\_  
Signature

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Title

**Form 1**

**Division of Surface Water**  
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**Station 581 – Beneficial Use of Class B Biosolids**

Facility name:	Ohio NPDES permit #:
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**Table 1 – Class B Biosolids Verification Matrix**

Pathogen Reduction (PR) Alternative	Vector Attraction Reduction (VAR) Options										Sewage Sludge Weight (dry tons) DMR Reporting Code <b>70316</b>	Sewage Sludge Fee Weight (dry tons) DMR Reporting Code <b>51129</b>
	38% Volatile Solids reduction (VAR -1)	Anaerobic Bench Scale Analysis (VAR-2)	Aerobic Bench Scale Analysis (VAR-3)	Specific Oxygen Uptake Rate (VAR-4)	Aerobic Time and Temperature (VAR-5)	Alkali Addition (VAR-6)	>75% Percent Solids without Unstabilized Solids (VAR-7)	> 90 Percent Solids with Unstabilized Solids (VAR-8)	Injection (VAR-9)	Immediate Incorporation (VAR-10)		
Geometric Mean of Seven Fecal Coliform Samples (P1)												
Aerobic Digestion (P-2)												
Air Drying (P-3)												
Anaerobic Digestion (P-4)												
Composting (P-5)												
Lime Treatment (P-6)												
Equivalent Process(P-7) (USEPA PEC Recommendation)												

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**Station 584 – Beneficial Use of Exceptional Quality Biosolids**

Facility name:	Ohio NPDES permit #:
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**Table 2 – Exceptional Quality Biosolids Verification Matrix**

Pathogen Reduction (PR) Alternative	Vector Attraction Reduction (VAR) Option DMR Reporting Code <b>84370</b>								Sewage Sludge Weight (dry tons) DMR Reporting Code <b>70316</b>	Sewage Sludge Fee Weight (dry tons) DMR Reporting Code <b>51129</b>
	38% Volatile Solids reduction (VAR-1)	Anaerobic Bench Scale Analysis (VAR-2)	Aerobic Bench Scale Analysis (VAR-3)	Specific Oxygen Uptake Rate (VAR-4)	Aerobic Time and Temperature (VAR-5)	Alkali Addition (VAR-6)	>75% Percent Solids without Unstabilized Solids (VAR-7)	> 90 Percent Solids with Unstabilized Solids (VAR-8)		
Time and Temperature Regime (P-8)										
High pH and High Temperature (P-9)										
Composting (P-10)										
Heat Drying (P-11)										
Thermophilic Aerobic Digestion (P-12)										
Beta Ray Irradiation (P-13)										
Gamma Ray Irradiation (P-14)										
Pasteurization (P-15)										
Equivalent Process (P-16) (USEPA PEC Recommendation)										

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**Stations 585, 586, 588, and Transfer to PPG Lime Lakes –  
Sewage Sludge/Biosolids Disposal**

Facility name:	Ohio NPDES permit #:
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**Table 3 – Sewage Sludge/Biosolids Disposal Methods**

Disposal Method	Sewage Sludge Fee Weight (Dry Tons) DMR Reporting Code <b>51129</b>	Sewage Sludge Weight (Dry Tons) DMR Reporting Code <b>70316</b>	Sewage Sludge Volume (Gallons) DMR Reporting Code <b>80991</b>
Incineration (Station 585)			
Landfill (Station 586)			
Transferred to Another NPDES Permit Holder (Station 588)			
Transferred to PPG Lime Lakes			

**If the facility is reporting with Station 586, provide the following information:**

Name of licensed receiving landfill: \_\_\_\_\_

**If the facility is reporting with Station 588, provide the following information:**

Name of receiving NPDES permittee:	
Receiving permittee's Ohio NPDES Permit #:	
If receiving permittee is located outside the State of Ohio, the receiving permittee's USEPA NPDES Permit #:	

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**Sewage Sludge Monitoring**

Facility name:	Ohio NPDES permit #:
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**Table 5 – Metal Pollutant Analysis**

Reporting Month		01003 As (mg/kg)	01028 Cd (mg/kg)	01043 Cu (mg/kg)	01052 Pb (mg/kg)	01068 Ni (mg/kg)	01093 Zn (mg/kg)	01148 Se (mg/kg)	71921 Hg (mg/kg)	78465 Mo (mg/kg)
Jan	Max									
	Avg									
Feb	Max									
	Avg									
Mar	Max									
	Avg									
Apr	Max									
	Avg									
May	Max									
	Avg									
Jun	Max									
	Avg									
Jul	Max									
	Avg									
Aug	Max									
	Avg									
Sep	Max									
	Avg									
Oct	Max									
	Avg									
Nov	Max									
	Avg									
Dec	Max									
	Avg									
Highest Reported Maximum Value for Year		Max								
Highest Reported Monthly Average for Year		Avg								

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**Table 6 – Sewage Sludge Characteristics**

Reporting Month		00627 TKN (mg/kg)	00611 NH <sub>3</sub> -N (mg/kg)	00633 NO <sub>2</sub> NO <sub>3</sub> <sup>-</sup> N (mg/kg)	00668 P (mg/kg)	00938 K (mg/kg)	00400 pH (S.U.)	70318 TS (%)	70322 VS (%)
Jan	Max								
	Avg								
	Min								
Feb	Max								
	Avg								
	Min								
Mar	Max								
	Avg								
	Min								
Apr	Max								
	Avg								
	Min								
May	Max								
	Avg								
	Min								
Jun	Max								
	Avg								
	Min								
Jul	Max								
	Avg								
	Min								
Aug	Max								
	Avg								
	Min								
Sep	Max								
	Avg								
	Min								
Oct	Max								
	Avg								
	Min								
Nov	Max								
	Avg								
	Min								
Dec	Max								
	Avg								
	Min								

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**Cumulative Pollutant Loading Rate (CPLR)**

Facility name:	Ohio NPDES permit #:
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**Table 7 – Authorized Beneficial Use Site**

	Ohio EPA #:	Ohio EPA #:
	County:	County:
	Township:	Township:
	Latitude:	Latitude:
	Longitude:	Longitude:
	<b>CPLR to date 12/31/2011 (lbs/acre)</b>	<b>CPLR to date 12/31/2011 (lbs/acre)</b>
<b><u>Pollutant</u></b>		
Arsenic		
Cadmium		
Copper		
Lead		
Mercury		
Molybdenum		
Nickel		
Selenium		
Zinc		

**Note:** The Ohio EPA # is the specific identification number Ohio EPA assigned to an authorized beneficial use site. If there are more than two authorized beneficial use sites utilized by a treatment works for beneficial use of biosolids that are subject to CPLR, utilize additional copies of Form 6. **New for 2011-only submit this form for CPLR sites on which biosolids were beneficially used during calendar year 2011.**

**Form 6**