



## Division of Surface Water Annual Sewage Sludge Report

<b>Facility Information</b>		
<b>Reporting Year:</b> 2021		
<b>Facility Name:</b> Sidney WWTP		
<b>Ohio NPDES Permit Number:</b> 1PD00009*RD		
<b>County:</b> Shelby		
<b>Mailing address:</b> 201 West Poplar Street		
<b>City:</b> Sidney	<b>State:</b> OH	<b>Zip Code:</b> 45365
<b>Facility telephone number:</b> (937) 498-8720		
<b>Facility email address:</b> mcoy@sidneyoh.com		
<b>Operator of Record Name:</b> Mike Coy		
<b>Operator of Record telephone Number:</b> (937) 498-8720		
<b>Operator of Record email address:</b> bzerkle@sidneyoh.com		
<b>Has sewage sludge been removed from the facility for the reporting year?</b> Y		
<b>Average daily discharge (from DMR report)</b> 4.4508	<b>Units</b> Millions of Gallons per Day	
<b>Would you like to provide a corrected value for Average Daily Discharge?</b> N		
<b>Does your facility beneficially use Class B biosolids?</b> Y		
<b>Does your facility have land applied or distributed exceptional quality sewage sludge?</b> N		
<b>Does your facility incinerate, landfill, transfer to PPG Lime Lakes, or transfer to another NPDES permittee?</b> N		

### 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.*

**Electronic Signature:**

Mike Coy (User ID: MikeCoy )

**Submission Date:**

02/16/2022

**Printed Name:**

Mike Coy

**Title:**

Operator

**Station 581 - Beneficial Use of Class B Biosolids**

Facility Name: Sidney WWTP	Ohio NPDES Permit No: 1PD00009*RD
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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 70316	Sewage Sludge Fee Weight(dry tons) DMR Reporting Code 51129
	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% Solids without Unstabilized Solids (VAR-7)	>90% Solids with Unstabilized Solids (VAR-8)	Injection (VAR-9)	Immediate Incorporation (VAR-10)		
Geometric Mean of Seven Fecal Coliform Samples (P-1)												
Aerobic Digestion (P-2)												
Air Drying (P-3)												
Anaerobic Digestion (P-4)	X										546	546
Composting (P-5)												
Lime Treatment (P-6)												
Equivalent Process (P-7) (USEPA PEC Recommendation)												

City of Sidney WWTP  
Biosolids Land Application Summary

Start Date of Stockpile

10.18.2020

End Date of Stockpile 4.5.2021

**FECAL COLIFORM CFU/DRY GRAM ANALYSIS**

Sample Date	Result	Sample Date	Result	Sample Date	Result
12/10/2020	2766				
12/10/2020	3576				
12/10/2020	394				
12/10/2020	1563				
12/10/2020	2161				
12/10/2020	2892				
12/10/2020	1448				
3/16/2021	1083				
3/16/2021	1282				
3/16/2021	2552				
3/16/2021	638				
3/16/2021	2233				
3/16/2021	1914				
3/16/2021	1246				

GEOMETRIC MEAN OF SEVEN REQUIRED FECAL COLIFORM RESULTS

1773

GEOMETRIC MEAN OF ALL FECAL COLIFORM RESULTS

1591

**VECTOR ATTRACTION**

Average Volatile Solids of Primary Sludge during stockpile	83.75
Volatile Solids of Digested Sludge	66.55
Volatile Solids Reduction	61.4%

# of Samples Collected for Land Applied Biosolids Composite

<b>Comments:</b>	Primary %VS Oct. 17 - 31, 2020 = 80.4 %, Nov. 2020= 83.6%, Dec.2020= 84.5%, Jan. 2021= 84.9%, Feb. 2021= 85.7%, March 2021 = 83.4%, Average= 83.75%. Digested: Oct. 17 - 31 = No Sample, Nov. 2020= 66.56%, Dec. 2020= 63.0%, January 2021= 66.74%, Feb. 2021 = 67.55%, March 2021 = 68.88%, Average =66.55%

## City of Sidney WWTP Biosolids Land Application Summary

### Start Date of Stockpile

4.15.21

End Date of Stockpile 10.5.21

#### FECAL COLIFORM CFU/DRY GRAM ANALYSIS

Sample Date	Result	Sample Date	Result	Sample Date	Result
6/3/2021	971				
6/3/2021	1314				
6/3/2021	650				
6/3/2021	1282				
6/3/2021	647				
6/3/2021	966				
6/3/2021	971				
9/1/2021	292				
9/1/2021	1190				
9/1/2021	1190				
9/1/2021	1185				
9/1/2021	298				
9/1/2021	577				
9/1/2021	<294				

## GEOMETRIC MEAN OF SEVEN REQUIRED FECAL COLIFORM RESULTS

## GEOMETRIC MEAN OF ALL FECAL COLIFORM RESULTS

939

799

## VECTOR ATTRACTION

Average Volatile Solids of Primary Sludge during stockpile	84.4
Volatile Solids of Digested Sludge	68.37
Volatile Solids Reduction	60.0%

#### # of Samples Collected for Land Applied Biosolids Composite

**Comments:** Primary %VS Apr 15-30, 2021 = 85.7 %, May 2021 = 84.5%,  
June 2021 = 84.4%, July 2021 = 84.4%, Aug 2021 = 84.0%  
Sept 2021 = 84.0%, Oct 1-5, 2021 = 85.7% Average = 84.4%.  
Digested: Apr 15-30, 2021 = 68.93 %, May 2021 = 68.41%,  
June 2021 = 69.89%, July 2021 = 68.71%, Aug 2021 = 67.77%  
Sept 2021 = 67.28%, Oct 1-5, 2021 = 67.48% Average = 68.37%.

**Sewage Sludge Monitoring**

Facility Name: Sidney WWTP	Ohio NPDES Permit No: 1PD00009*RD								
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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)
January	Max									
	Avg									
February	Max									
	Avg									
March	Max	4.26	0	299	18.7	31.5	824	4.85	0	23.6
	Avg	4.26	0	299	18.7	31.5	824	4.85	0	23.6
April	Max									
	Avg									
May	Max									
	Avg									
June	Max	3.82	0	273	16.8	32.4	688	4.66	0	24.6
	Avg	3.82	0	273	16.8	32.4	688	4.66	0	24.6
July	Max									
	Avg									
August	Max									
	Avg									
September	Max	3.62	0	307	16.2	32.2	680	4.9	0	19.9
	Avg	3.62	0	307	16.2	32.2	680	4.9	0	19.9
October	Max									
	Avg									
November	Max									
	Avg									
December	Max	4.52	0	308	16.6	31.3	860	6.28	0	29.4
	Avg	4.52	0	308	16.6	31.3	860	6.28	0	29.4
Highest Reported Maximum Value for Year	Max	4.52	0	308	18.7	32.4	860	6.28	0	29.4
Highest Reported Monthly Average for Year	Avg	4.52	0	308	18.7	32.4	860	6.28	0	29.4

**Table 6 -Sewage Sludge Characteristics**

Reporting Month		00627 TKN (mg/kg)	00611 NH3-N (mg/kg)	00633 NO2NO3- N (mg/kg)	00668 P (mg/kg)	00938 K (mg/kg)	00400 pH (S.U.)	70318 TS (%)	70322 VS (%)
January	Max								
	Avg								
	Min								
February	Max								
	Avg								
	Min								
March	Max	43600	5250		28200	1340			
	Avg	43600	5250		28200	1340			
	Min	43600	5250		28200	1340			
April	Max								
	Avg								
	Min								
May	Max								
	Avg								
	Min								
June	Max	55700	13000		24900	1580			
	Avg	55700	13000		24900	1580			
	Min	55700	13000		24900	1580			
July	Max								
	Avg								
	Min								
August	Max								
	Avg								
	Min								
September	Max	47500	2690		29300				
	Avg	47500	2690		29300				
	Min	47500	2690		29300				
October	Max								
	Avg								
	Min								
November	Max								
	Avg								
	Min								
December	Max	40800	6570		27500	1440			
	Avg	40800	6570		27500	1440			
	Min	40800	6570		27500	1440			

Class B Agronomic Rates

Facility Name: Sidney WWTP	Ohio NPDES Permit No: 1PD00009*RD
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Table 8 -Agronomic Rate Summary

Ohio EPA Site # (or Address)	Date of Beneficial Use	Dry Tons Used	Acres Used	Calculated Agronomic Rate (Dry Tons/acre)	Actual Agronomic Rate (Dry Tons/acre)	Agronomic Rate Utilized	If Multi-year P205 Rate Utilized, Enter term of restriction in years	Soil Phosphorus		
								Date of Soil Analysis	Result (PPM)	Analysis Method
75-00025	04/08/2021	32	19	2.3	1.7	Phosphorus Index		05/06/2020	35	Mehlich 3
75-00041	04/19/2021	52	28.15	1.9	1.85	Phosphorus Index		08/06/2019	64	Mehlich 3
75-00003	04/19/2021	12.8	7.58	1.9	1.7	Phosphorus Index		05/06/2020	57	Mehlich 3
75-00102	10/07/2021	48.64	35.2	2.1	1.4	Phosphorus Index		04/29/2020	38	Mehlich 3
75-00103	10/07/2021	95.27	42	2.2	2.29	Phosphorus Index		04/29/2020	31	Mehlich 3
75-00075	11/09/2021	63.75	33.37	2.1	1.91	Phosphorus Index		05/01/2018	43	Mehlich 3
75-00076	11/09/2021	78.13	37.6	2.1	2.08	Phosphorus Index		05/01/2018	43	Mehlich 3
75-00101	04/07/2021	76	28.75	2.25	2.64	Phosphorus Index		06/12/2019	40	Mehlich 3
75-00070	04/19/2021	87	42.81	2.15	2.03	Phosphorus Index		05/06/2020	49	Mehlich 3

**Station 581 - Certification Statements(Appendix A)**

Facility Name: Sidney WWTP	Ohio NPDES Permit No: 1PD00009*RD
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**Certification Statements**

*I certify, under penalty of law, that the information that was used to determine compliance with the pathogen reduction alternative(s) identified in Table 1 of this annual report was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

**Electronic Signature:**

Mike Coy (User ID: MikeCoy )

**Submission Date:**

02/16/2022

**Printed Name:**

Mike Coy

**Title:**

Operator

*I certify, under penalty of law, that the information that was used to determine compliance with the vector attraction reduction alternative(s) identified in Table 1 of this annual report was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

**Electronic Signature:**

Mike Coy (User ID: MikeCoy )

**Submission Date:**

02/16/2022

**Printed Name:**

Mike Coy

**Title:**

Operator

**(A representative of the treatment works shall sign this form in accordance with the instructions for this annual report)**

**Please upload Beneficial User - Certification Statement (Appendix C) signed by authorized representative of the beneficial user: Beneficial Use-Hauler form\_2021.pdf**

## Attachments

Were there any complaints during the reporting period? N

Please attach the agronomic rate calculations for each Ohio EPA Site listed in Table 8 - Agronomic Rate Summary Agronomic Loading Rates\_2021.pdf Please attach the site certification required by OAC 3745-40-06(F) for each beneficial use site listed in Table 8 - Agronomic Rate Summary. An example site certification form can be found at <https://epa.ohio.gov/dsw/sludge/biosolid>.

## Fees

**Total Class B Biosolids Sewage Sludge Fee:** \$1435.43

**Total Sewage Sludge Fee:** \$1435.43

## ADDITIONAL INFORMATION

*Please add any additional comments or attachments below.*

Additional Information attachment(s): Land Application Packet\_Fall 2021.pdf, Land Application Packet\_Spring 2021.pdf



Division of Surface Water  
Annual Sewage Sludge Report

**Beneficial User - Certification Statement**

Facility name: **City of Sidney**

Ohio NPDES permit #: **1PD00009\*RD**

Beneficial User: Right on Excavation

Contact: **Shane Roe**

Mailing address: **8066 Patterson Halpin Rd.**

City: **Sidney**

State: **OH**

Zip: **45365**

Beneficial user telephone number: **937- 493-0756**

Beneficial user email address: **shane@rightonexcavation.com**

**Certification Statement**

"I certify, under penalty of law, that the information that was used to determine compliance with the land application agronomic management requirements of rule 3745-40-08 of the Administrative Code was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment;" and

"I certify, under penalty of law, that the information that was used to determine compliance with the site restrictions in rule 3745-40-08 of the Administrative Code was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

A handwritten signature in blue ink that reads "Shane Roe".

Signature

4 / 5 / 2021

Date

A handwritten printed name in blue ink that reads "Shane Roe".

Printed Name

A handwritten title in blue ink that reads "President".

Title

(A representative of the person who beneficially used the biosolids shall sign this form in accordance with the instructions for this annual report.)



Division of Surface Water  
Annual Sewage Sludge Report

**Beneficial User - Certification Statement**

Facility name: **City of Sidney**

Ohio NPDES permit #: **1PD00009\*RD**

Beneficial User: **Right on Excavation**

Contact: **Shane Roe**

Mailing address: **8066 Patterson Halpin Rd.**

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State: **OH**

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"I certify, under penalty of law, that the information that was used to determine compliance with the site restrictions in rule 3745-40-08 of the Administrative Code was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

A handwritten signature in black ink that appears to read "Shane Roe".

Signature

10-14-2021

Date

Printed Name

A handwritten signature in black ink that appears to read "Shane Roe".

Title

A handwritten signature in black ink that appears to read "President".

(A representative of the person who beneficially used the biosolids shall sign this form in accordance with the instructions for this annual report.)

**Ohio EPA**  
**Annual Sewage Sludge Fee Invoice**  
Division of Surface Water



**Billed to:**  
Mike Coy  
201 West Poplar Street  
Sidney, OH 45365

**Transaction ID:** 1734340  
**DATE:** 02/15/2022  
**Payment Due:** 07/01/2022  
**Revenue ID:** 1475664

**Facility:**  
City of Sidney WWTP  
1091 Childrens Home Road  
Sidney, OH 45365

**ANNUAL SEWAGE SLUDGE FEE INVOICE**

[FOR SEWAGE SLUDGE, CALENDAR YEAR 2021; PURSUANT TO ORC 3745-11(Y)]

DESCRIPTION	AMOUNT
Class B Biosolids Sewage Sludge Fee:	\$1,435.43
<b>Balance Due</b>	<b>\$1,435.43</b>

**PAYMENT OPTIONS** - Payment options for this invoice include the following:

**Electronic Payment through Ohio EPA's eBusiness Center:** To pay this invoice online, visit <http://ebiz.epa.ohio.gov>  
**Payment by Check:** If paying by check, please send your check with the remittance advice outlined below.

**You must write the Revenue ID (if shown below) on your check to ensure proper credit.**

.....  
**CUT OFF THIS STUB AND MAIL IT WITH YOUR CHECK. DO NOT MAIL TOP PORTION.**

Pay to: **Treasurer, State of Ohio**. Please write the Revenue ID on your check. Please **send this stub** with your check. **DO NOT SEND LETTERS OR OTHER FORMS.**

Ohio EPA  
PO Box 77005  
Cleveland, OH 44194-7005

Due Date:	07/01/2022
Revenue ID:	1475664
Amount Due:	\$1,435.43
Type Code:	ANNSF
Transaction ID:	





Ohio Environmental Protection Agency  
Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

General Information

Ohio EPA #	SSW-1
Field ID #	SSW-1
Generator Name	City of Sidney WWTP

Biosolids Data and Beneficial Use Methods

Ammonia Nitrogen	2690.00 mg/kg
Total Kjeldahl Nitrogen	47500.00 mg/kg
Total Phosphorus	29300.00 mg/kg
Organic Nitrogen	85.62 lbs/ton
Available Nitrogen	32.27 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	194.19 lbs/ton
Will immediate incorporation / injection be performed?	No

Beneficial Use Site Information

Soil Phosphorus	43.00 ppm 37.84 ppm	Mehlich 3			
Please note that the agronomic rates and phosphorus index have been calculated within the <i>Calculated Agronomic Rates</i> section; however, based upon the above provided <i>Soil Phosphorus</i> result, you must utilize the most limiting factor of the <i>Phosphorus Index</i> :					
County	Shelby				
Soil Type	Crosby silt loam, 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Expected Crop Yield(s) (bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	210 lbs/acre				
Soil Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	261.81 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	261.81 lbs/acre				

Phosphorus Index

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		2.65
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		16.91
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA Ohio NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		29.56

Calculated Agronomic Rates

Nitrogen Agronomic Rate	2.20	dry tons/acre
1. Calculated Agronomic Rate	4.38	dry tons/acre
Single Year Phosphate Agronomic Rate	0.57	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.85	dry tons/acre
Phosphorus Index	Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.	

Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	165.48	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	261.81	lbs/acre
Acreage	78.8	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use		to
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site	9/1/2021	<input type="checkbox"/> Yes
Date Signage Removed from Beneficial Use Site		<input checked="" type="checkbox"/> No
		Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency

Division of Surface Water

**Biosolids Agronomic Rate Calculation Worksheet**

**General Information**

Ohio EPA #:	WE-2
Field ID #:	WE-2
Generator Name:	City of Sidney WWTP

**Biosolids Data and Beneficial Use Methods**

Ammonia Nitrogen	2690.00 mg/kg
Total Kjeldahl Nitrogen	47500.00 mg/kg
Total Phosphorus	23300.00 mg/kg
Organic Nitrogen	89.62 lbs/ton
Available Nitrogen	32.27 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	134.19 lbs/ton
Will immediate incorporation / injection be performed?	No

**Beneficial Use Site Information**

Soil Phosphorus	31.00 ppm	Mehlich 3 27.28 ppm			
Please note that the agronomic rates and phosphorus index have been calculated within the <i>Calculated Agronomic Rates</i> section; however, based upon the above provided <i>Soil Phosphorus</i> result, you must utilize the most limiting factor or the <i>Phosphorus Index</i> :					
County:	Shelby				
Soil Type:	Crosby silty loam, 2 to 6 percent slopes				
Hydrologic Soil Group:	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	150				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	150				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s)(bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	700 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	295.23 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	295.23 lbs/acre				

**Phosphorus Index**

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		0
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		17.71
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA-NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		29.62

**Calculated Agronomic Rates**

Nitrogen Agronomic Rate	2.20	dry tons/acre
1, Calculated Agronomic Rate	3.87	dry tons/acre
Single-Year Phosphate Agronomic Rate	0.57	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.85	dry tons/acre
Phosphorus Index	Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.	

**Beneficial Use Site Records**

Quantity of Biosolids Beneficially Used	92.09	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	295.22	lbs/acre
Acreage	41.86	
Dates Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use	to	
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site	9/1/2021	
Date Signage Removed from Beneficial Use Site		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency  
Division of Surface Water

**Biosolids Agronomic Rate Calculation Worksheet**

**General Information**

Ohio EPA #	WB-1	
Field ID #	WB-1	
Generator Name:	City of Sidney WWTP	

**Biosolids Data and Beneficial Use Methods**

Ammonia Nitrogen	2690.00 mg/kg
Total Kjeldahl Nitrogen	47500.00 mg/kg
Total Phosphorus	2590.00 mg/kg
Organic Nitrogen	89.62 lbs/ton
Available Nitrogen	32.27 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	124.19 lbs/ton
Will immediate incorporation / injection be performed?	No

**Beneficial Use Site Information**

Soil Phosphorus	38.00 ppm	Mehlich 3			
	33.44 ppm				
Please note that the agronomic rates and phosphorus index have been calculated within the <i>Calculated Agronomic Rates</i> section; however, based upon the above provided Soil Phosphorus result, you must utilize the most limiting factor of the Phosphorus Index:					
County:	Shelby				
Soil Type:	Crosby/It loam, 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s) (bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	210 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	281.81 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	281.81 lbs/acre				

**Phosphorus Index**

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		2.34
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		16.91
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA Ohio-NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		29.25

**Calculated Agronomic Rates**

Nitrogen Agronomic Rate	2.10	dry tons/acre
1. Calculated Agronomic Rate	4.38	dry tons/acre
Single Year Phosphate Agronomic Rate	0.57	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.85	dry tons/acre
Phosphorus Index	Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.	

**Beneficial Use Site Records**

Quantity of Biosolids Beneficially Used	79.7	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	281.83	lbs/acre
Acreage	87.95	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use	to	
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site	9/1/2021	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date Signage Removed from Beneficial Use Site		Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency

Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

## General Information

Ohio EPA #	2
Field ID #	2
Generator Name	City of Sidney WWTP

## Biosolids Data and Beneficial Use Methods

Ammonia Nitrogen	5250.00 mg/kg
Total Kjeldahl Nitrogen	43600.00 mg/kg
Total Phosphorus	28200.00 mg/kg
Organic Nitrogen	76.70 lbs/ton
Available Nitrogen	33.51 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	129.15 lbs/ton
Will immediate incorporation / injection be performed?	No

## Beneficial Use Site Information

Soil Phosphorus	31.00 ppm	Mehlich 3 27.28 ppm			
Please note that the agronomic rates and phosphorus index have been calculated within the <i>Calculated Agronomic Rates</i> section; however, based upon the above provided Soil Phosphorus result, you must utilize the most limiting factor of the Phosphorus Index:					
County	Shelby				
Soil Type	Eldean loam, D to 2 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s)(bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	200 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	245.40 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	245.40 lbs/acre				

## Phosphorus Index

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is adjacent to an intermittent or perennial stream.	4
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		1.91
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		14.72
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in 5 one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA Ohio-NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		30.63

## Calculated Agronomic Rates

Nitrogen Agronomic Rate	1.90	dry tons/acre
Calculated Agronomic Rate	3.73	dry tons/acre
Single-Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre
Phosphorus Index		High potential for phosphorus runoff. Use the Phosphate Agronomic Rate (single or multi year).

## Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	24.7	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	245.40	lbs/acre
Acreage	13	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use		to
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date Signage Removed from Beneficial Use Site		Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency  
Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

General Information

Ohio EPA #	1
Field ID #	1
Generator Name	City of Sidney WWTP

Biosolids Data and Beneficial Use Methods:

Ammonia Nitrogen	3250.00 mg/kg
Total Kjeldahl Nitrogen	43500.00 mg/kg
Total Phosphorus	29200.00 mg/kg
Organic Nitrogen	76.70 lbs/ton
Available Nitrogen	33.51 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	129.16 lbs/ton
Will immediate incorporation / injection be performed?	No

Beneficial Use Site Information

Soil Phosphorus	47.00 ppm	Mehlich 3 41.36 ppm			
Please note that the agronomic rates and phosphorus index have been calculated within the <i>Calculated Agronomic Rates</i> section; however, based upon the above provided <i>Soil Phosphorus</i> result, you must utilize the most limiting factor or the <i>Phosphorus Index</i> :					
County	Shelby				
Soil Type	Glyndon Silt loam, 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s)(bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	200 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	245.40 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	245.40 lbs/acre				

Phosphorus Index

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is adjacent to an intermittent or perennial stream.	4
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		2.20
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		14.72
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		31.62

Calculated Agronomic Rates

Nitrogen Agronomic Rate	1.90	dry tons/acre
Calculated Agronomic Rate	3.73	dry tons/acre
Single-Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre

Phosphorus Index  
High potential for phosphorus runoff. Use the Phosphate Agronomic Rate (single or multi year).

Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	35.91	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	245.40	lbs/acre
Acreage	18.9	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use	to	
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site		<input type="checkbox"/> Yes <input type="checkbox"/> No
Date Signage Removed from Beneficial Use Site		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency  
Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

General Information

Ohio EPA #	ARName-4
Field ID #	ARName-4 (west)
Generator Name	City of Sidney WWTP

Biosolids Data and Beneficial Use Methods

Ammonia Nitrogen	5250.00 mg/kg
Total Kjeldahl Nitrogen	43500.00 mg/kg
Total Phosphorus	28200.00 mg/kg
Organic Nitrogen	76.70 lbs/ton
Available Nitrogen	33.51 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	125.16 lbs/ton
Will Immediate Incorporation / Injection be performed?	No

Beneficial Use Site Information

Soil Phosphorus	64.00 ppm	Mehlich 3			
	56.32 ppm				
Please note that the agronomic rates and phosphorus index have been calculated within the Calculated Agronomic Rates section; however, based upon the above provided Soil Phosphorus result, you must utilize the most limiting factor or the Phosphorus Index.					
County	Shelby				
Soil Type	Blount silt loam, 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s)(bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	200 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	258.31 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	258.31 lbs/acre				

Phosphorus Index

Soil Loss	5 tons/acre/year	5
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		3.54
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		15.50
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	2
Does runoff flow through a filter strip designed per USDA NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		25.44

Calculated Agronomic Rates

Nitrogen Agronomic Rate	2.00	dry tons/acre
I. Calculated Agronomic Rate	3.73	dry tons/acre
Single Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre
Phosphorus Index	Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.	

Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	59	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	258.31	lbs/acre
Acreage	29.5	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use		to
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site		<input type="checkbox"/> Yes
Date Signage Removed from Beneficial Use Site		<input checked="" type="checkbox"/> No



Ohio Environmental Protection Agency  
Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

General Information

Ohio EPA #	WEST-2
Field ID #	WEST-2
Generator Name	City of Sidney WWTP

Biosolids Data and Beneficial Use Methods

Ammonia Nitrogen	5250.00	mg/kg
Total Kjeldahl Nitrogen	43600.00	mg/kg
Total Phosphorus	28200.00	mg/kg
Organic Nitrogen	76.70	lbs/ton
Available Nitrogen	33.51	lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	129.16	lbs/ton
Will immediate incorporation / injection be performed?	No	

Beneficial Use Site Information

Soil Phosphorus	57.00	ppm	Mehlich 3		
	50.16	ppm			
Please note that the agronomic rates and phosphorus index have been calculated within the Calculated Agronomic Rates section; however, based upon the above provided Soil Phosphorus result, you must utilize the most limiting factor or the Phosphorus Index:					
County	Shelby				
Soil Type	Blount soil loam; 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s) (bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	200	lbs/acre			
Existing Available Nitrogen	30	lbs/acre			
Non-Biosolids Nitrogen Application	45	lbs/acre			
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0	lbs/acre			
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0	lbs/acre			
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	245.40	lbs/acre			
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	245.40	lbs/acre			

Phosphorus Index

		Subvalue
Soil Loss	5 tons/acre/year	5
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is adjacent to an intermittent or perennial stream.	4
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		3.51
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		14.72
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA Ohio-NRCS Field Office Technical Guide Standard 333?	No	0
Total Phosphorus Index		32.23

Calculated Agronomic Rates

Nitrogen Agronomic Rate	1.90	dry tons/acre
Calculated Agronomic Rate	3.73	dry tons/acre
Single Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre

Phosphorus Index: High potential for phosphorus runoff. Use the Phosphate Agronomic Rate (single or multi year).

Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	15.2	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	245.40	lbs/acre
Acreage	3	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use		to
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site		<input type="checkbox"/> Yes
Date Signage Removed from Beneficial Use Site		<input type="checkbox"/> No
		Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency

Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

## General Information

Ohio EPA #	NB-1	
Field ID #	NB-1	
Generator Name	City of Sidney WWTP	

## Biosolids Data and Beneficial Use Methods

Ammonia Nitrogen	5250.00 mg/kg
Total Kjeldahl Nitrogen	43600.00 mg/kg
Total Phosphorus	28200.00 mg/kg
Organic Nitrogen	76.70 lbs/ton
Available Nitrogen	33.51 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	129.16 lbs/ton
Will immediate incorporation / injection be performed?	No

## Beneficial Use Site Information

Soil Phosphorus	49.00 ppm	Mehlich 3			
	43.12 ppm				
Please note that the agronomic rates and phosphorus index have been calculated within the <i>Calculated Agronomic Rates</i> section; however, based upon the above provided <i>Soil Phosphorus</i> result, you must utilize the most limiting factor or the <i>Phosphorus Index</i> .					
The Nitrogen Agronomic Rate, the Multi-Year Phosphate Agronomic Rate, or the Phosphorus Index.					
County	Shelby				
Soil Type	Blount silt loam, 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s)(bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s)(bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s)(bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 1)	200 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	277.69 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	277.69 lbs/acre				

## Phosphorus Index

		Subvalue
Soil Loss	5 tons/acre/year	5
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		3.02
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		16.66
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in ≤ one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA Ohio-NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		29.68

## Calculated Agronomic Rates

Nitrogen Agronomic Rate	2.15	dry tons/acre
I. Calculated Agronomic Rate	3.73	dry tons/acre
Single Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre

Phosphorus Index

Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.

92 D.T.  
42.81 Acres

## Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	94.6	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	277.69	lbs/acre
Acreage	44	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use	to	
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site		<input type="checkbox"/> Yes
Date Signage Removed from Beneficial Use Site		<input checked="" type="checkbox"/> No
		Is a permanent sign posted at the beneficial use site?



Ohio Environmental Protection Agency  
Division of Surface Water

**Biosolids Agronomic Rate Calculation Worksheet**

**General Information**

Ohio EPA #:	DEERPEN-1
Field ID #:	DEERPEN-1
Generator Name:	City of Sidney WWTP

**Biosolids Data and Beneficial Use Methods**

Ammonia Nitrogen	5250.00 mg/kg
Total Kjeldahl Nitrogen	45600.00 mg/kg
Total Phosphorus	28200.00 mg/kg
Organic Nitrogen	76.70 lbs/ton
Available Nitrogen	33.51 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	129.16 lbs/ton
Will immediate incorporation / injection be performed?	No

**Beneficial Use Site Information**

Soil Phosphorus	35.00 ppm 30.80 ppm	Mehlich 3			
Please note that the agronomic rates and phosphorus index have been calculated within the Calculated Agronomic Rates section; however, based upon the above provided Soil Phosphorus result, you must utilize the most limiting factor or the Phosphorus Index.					
County	Shelby				
Soil Type	Celina silt loam, 0 to 2 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1 Corn (Grain)	Crop 2 Corn (Grain)	Crop 3 Corn (Grain)	Crop 4 Corn (Grain)	Crop 5 Corn (Grain)
Expected Crop Yield(s) (bu/acre or tons/acre)	150				
Year 2	Crop 1 Soybean	Crop 2 Soybean	Crop 3 Soybean	Crop 4 Soybean	Crop 5 Soybean
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 3	Crop 1 Corn (Grain)	Crop 2 Corn (Grain)	Crop 3 Corn (Grain)	Crop 4 Corn (Grain)	Crop 5 Corn (Grain)
Expected Crop Yield(s) (bu/acre or tons/acre)	150				
Year 4	Crop 1 Soybean	Crop 2 Soybean	Crop 3 Soybean	Crop 4 Soybean	Crop 5 Soybean
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 5	Crop 1 Corn (Grain)	Crop 2 Corn (Grain)	Crop 3 Corn (Grain)	Crop 4 Corn (Grain)	Crop 5 Corn (Grain)
Expected Crop Yield(s) (bu/acre or tons/acre)	150				
Crop Nitrogen Requirements (Year 1)	200 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	297.05 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	297.05 lbs/acre				

**Phosphorus Index**

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the state"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		2.16
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		17.82
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in 1 week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA-Ohio-NRCS Field Office Technical Guide Standard 393?	No	0
Total Phosphorus Index		29.94

**Calculated Agronomic Rates**

Nitrogen Agronomic Rate	2.30	dry tons/acre
1. Calculated Agronomic Rate	3.73	dry tons/acre
Single Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre

Phosphorus Index: Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.

**Beneficial Use Site Records**

Quantity of Biosolids Beneficially Used	42.78	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	297.05	lbs/acre
Acreage	18.6	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use	to	
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site	<input type="checkbox"/> Yes	Is a permanent sign posted at the beneficial use site?
Date Signage Removed from Beneficial Use Site	<input type="checkbox"/> No	



Ohio Environmental Protection Agency

Division of Surface Water

Biosolids Agronomic Rate Calculation Worksheet

## General Information

Ohio EPA #	BS-1
Field ID #	BS-1
Generator Name	City of Sidney WWTP

## Biosolids Data and Beneficial Use Methods

Ammonia Nitrogen	5250.00 mg/kg
Total Kjeldahl Nitrogen	43600.00 mg/kg
Total Phosphorus	28200.00 mg/kg
Organic Nitrogen	76.70 lbs/ton
Available Nitrogen	33.51 lbs/ton
Phosphate (P <sub>2</sub> O <sub>5</sub> )	129.16 lbs/ton
Will immediate incorporation / injection be performed?	No

## Beneficial Use Site Information

Soil Phosphorus	40.00 ppm	Mehlich 3			
	35.20 ppm				
Please note that the agronomic rates and phosphorus index have been calculated within the Calculated Agronomic Rates section; however, based upon the above provided Soil Phosphorus result, you must utilize the most limiting factor or the Phosphorus Index:					
County	Shelby				
Soil Type	Crosby silt loam, 2 to 6 percent slopes				
Hydrologic Soil Group	C				
Year 1	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 2	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 3	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Corn (Grain)				
Expected Crop Yield(s) (bu/acre or tons/acre)	190				
Year 4	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)	Soybean				
Expected Crop Yield(s) (bu/acre or tons/acre)	60				
Year 5	Crop 1	Crop 2	Crop 3	Crop 4	Crop 5
Crop Type(s)					
Expected Crop Yield(s) (bu/acre or tons/acre)					
Crop Nitrogen Requirements (Year 3)	200 lbs/acre				
Existing Available Nitrogen	30 lbs/acre				
Non-Biosolids Nitrogen Application	45 lbs/acre				
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	0 lbs/acre				
Non-Biosolids Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Application	0 lbs/acre				
Biosolids Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficial Use	290.60 lbs/acre				
Total Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer Application	290.60 lbs/acre				

## Phosphorus Index

Soil Loss	5 tons/acre/year	Subvalue
Connectivity to "waters of the State"	Concentrated flow does not leave the beneficial use site and is not adjacent to an intermittent or perennial stream.	0
Runoff Class - Slope Range	1-3%	4
Soil Phosphorus		2.46
Application - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	None applied.	0
Method - Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		0
Application - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer		17.44
Method - Organic Phosphate (P <sub>2</sub> O <sub>5</sub> ) Fertilizer	Incorporation in 5 one week or applied on 50% to 80% cover.	1
Does runoff flow through a filter strip designed per USDA Ohio-NRCS Field Office Technical Guide Standard 399?	No	0
Total Phosphorus Index		29.90

## Calculated Agronomic Rates

Nitrogen Agronomic Rate	2.25	dry tons/acre
1. Calculated Agronomic Rate	3.73	dry tons/acre
Single Year Phosphate Agronomic Rate	0.59	dry tons/acre
Multi-Year Phosphate Agronomic Rate	1.92	dry tons/acre
Phosphorus Index	Medium potential for phosphorus runoff. Use the Nitrogen Agronomic Rate.	

## Beneficial Use Site Records

Quantity of Biosolids Beneficially Used	56.25	dry tons
Phosphate (P <sub>2</sub> O <sub>5</sub> ) Beneficially Used Per Acre	290.60	lbs/acre
Acreage	25	
Date Biosolids Delivered to Beneficial Use Site		
Dates of Beneficial Use	to	
Total Days Biosolids Stored at Beneficial Use Site	0.00	Days
Date Signage Posted at Beneficial Use Site		
Date Signage Removed from Beneficial Use Site		

Ohio EPA (10/13)

Yes Is a permanent sign posted at the beneficial use site?

No

**Ohio EPA - Division of Surface Water**  
**Class B Beneficial Use Site Re-Certification**

Ohio Administrative Code (OAC) 3745-40-06(F) requires the permittee to certify that prior to beneficial use, each authorized beneficial use site was evaluated for changes at or near the beneficial use site that may affect site restrictions.

If changes have occurred at or near the beneficial use site, the permittee shall comply with all applicable site restrictions in OAC 3745-40.

<b>Treatment Works: City of Sidney WWTP</b>	<b>NPDES Permit #: 1PD00009*RD</b>
<b>Ohio EPA Site I.D.:</b> 75-00102	<b>Field Site I.D.:</b> WE-1
<b>Date site authorized:</b> March 3, 2015	
<b>Date site evaluated for changes:</b> Oct 4, 2021	
<b>Date(s) of beneficial use:</b> 10-7-2021	
<b>Were changes found at the site since original approval for the beneficial use of biosolids?</b>	
No <input checked="" type="checkbox"/> If no changes, sign Certification Statement on Form BUR-2.	
Yes <input type="checkbox"/> If changes, complete section below and sign Certification Statement on Form BUR-2.	

**Changes found at site since original approval** (check all that apply; provide description and attach maps as needed):

	<b>Description</b> (ex: new home with well on east side of site)
New occupied structure or school within 300 feet of site	<input type="checkbox"/>
New private potable water source within 300 feet of site	<input type="checkbox"/>
New medical care facility within 1,000 feet of site	<input type="checkbox"/>
Change in sanitary isolation distance of public water system	<input type="checkbox"/>
Addition of, or change in, subsurface tile drainage	<input type="checkbox"/>
Changes in crops to be grown	<input type="checkbox"/>
New site owner, site operator, or beneficial user (If Yes, submit updated applicable BUA Form.)	<input type="checkbox"/>
Other:	<input type="checkbox"/>
Other:	<input type="checkbox"/>

Ohio EPA - Division of Surface Water  
Class B Beneficial Use Site Re-Certification

**Certification Statement**

1. 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 ensure 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.
2. I have read and understand Chapter 3745-40 of the Ohio Administrative Code (OAC) and I agree to beneficially use biosolids in accordance with all applicable beneficial use requirements and restrictions established in OAC 3745-40.
3. Any changes that were found at the site require the need to adhere to additional site restrictions, but do not affect the site's overall suitability for the beneficial use of biosolids.
4. I agree to maintain all applicable records required by OAC 3745-40.

  
\_\_\_\_\_  
Signature

10 / 4 / 2021  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Title

**Ohio EPA - Division of Surface Water**  
**Class B Beneficial Use Site Re-Certification**

Ohio Administrative Code (OAC) 3745-40-06(F) requires the permittee to certify that prior to beneficial use, each authorized beneficial use site was evaluated for changes at or near the beneficial use site that may affect site restrictions.

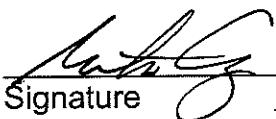
If changes have occurred at or near the beneficial use site, the permittee shall comply with all applicable site restrictions in OAC 3745-40.

<b>Treatment Works: City of Sidney WWTP</b>		<b>NPDES Permit #: 1PD00009*RD</b>
<b>Ohio EPA Site I.D.:</b> 75-08103	<b>Field Site I.D.:</b> WE-2	
<b>Date site authorized:</b> March 3, 2015		
<b>Date site evaluated for changes:</b> <del>Oct 4</del> <sup>mc</sup> OCT 4, 2021		
<b>Date(s) of beneficial use:</b> 10-7-21		
<b>Were changes found at the site since original approval for the beneficial use of biosolids?</b> No <input checked="" type="checkbox"/> If no changes, sign Certification Statement on Form BUR-2.		
Yes <input type="checkbox"/> If changes, complete section below and sign Certification Statement on Form BUR-2.		
<b>Changes found at site since original approval (check all that apply; provide description and attach maps as needed):</b>		
		<b>Description</b> (ex: new home with well on east side of site)
New occupied structure or school within 300 feet of site	<input type="checkbox"/>	
New private potable water source within 300 feet of site	<input type="checkbox"/>	
New medical care facility within 1,000 feet of site	<input type="checkbox"/>	
Change in sanitary isolation distance of public water system	<input type="checkbox"/>	
Addition of, or change in, subsurface tile drainage	<input type="checkbox"/>	
Changes in crops to be grown	<input type="checkbox"/>	
New site owner, site operator, or beneficial user (If Yes, submit updated applicable BUA Form.)	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	

Ohio EPA - Division of Surface Water  
Class B Beneficial Use Site Re-Certification

**Certification Statement**

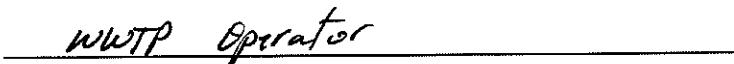
1. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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.
2. I have read and understand Chapter 3745-40 of the Ohio Administrative Code (OAC) and I agree to beneficially use biosolids in accordance with all applicable beneficial use requirements and restrictions established in OAC 3745-40.
3. Any changes that were found at the site require the need to adhere to additional site restrictions, but do not affect the site's overall suitability for the beneficial use of biosolids.
4. I agree to maintain all applicable records required by OAC 3745-40.



Signature

10 / 4 / 2021

Date



Title

**Ohio EPA - Division of Surface Water**  
**Class B Beneficial Use Site Re-Certification**

Ohio Administrative Code (OAC) 3745-40-06(F) requires the permittee to certify that prior to beneficial use, each authorized beneficial use site was evaluated for changes at or near the beneficial use site that may affect site restrictions.

If changes have occurred at or near the beneficial use site, the permittee shall comply with all applicable site restrictions in OAC 3745-40.

<b>Treatment Works: City of Sidney WWTP</b>		<b>NPDES Permit #: 1PD00009*RD</b>
<b>Ohio EPA Site I.D.:</b> 15-00075		<b>Field Site I.D.:</b> SSW-1
<b>Date site authorized:</b> Jan 20, 2009		
<b>Date site evaluated for changes:</b> 11-3-2021		
<b>Date(s) of beneficial use:</b> <u>10-7-2021</u> <u>11-9-21</u>		
<b>Were changes found at the site since original approval for the beneficial use of biosolids?</b>		
No <input checked="" type="checkbox"/> If no changes, sign Certification Statement on Form BUR-2.		
Yes <input type="checkbox"/> If changes, complete section below and sign Certification Statement on Form BUR-2.		
<b>Changes found at site since original approval</b> (check all that apply; provide description and attach maps as needed):		
		<b>Description</b> (ex: new home with well on east side of site)
New occupied structure or school within 300 feet of site		<input type="checkbox"/>
New private potable water source within 300 feet of site		<input type="checkbox"/>
New medical care facility within 1,000 feet of site		<input type="checkbox"/>
Change in sanitary isolation distance of public water system		<input type="checkbox"/>
Addition of, or change in, subsurface tile drainage		<input type="checkbox"/>
Changes in crops to be grown		<input type="checkbox"/>
New site owner, site operator, or beneficial user (If Yes, submit updated applicable BUA Form.)		<input type="checkbox"/>
Other:		<input type="checkbox"/>
Other:		<input type="checkbox"/>

Ohio EPA - Division of Surface Water  
Class B Beneficial Use Site Re-Certification

**Certification Statement**

1. 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 ensure 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.
2. I have read and understand Chapter 3745-40 of the Ohio Administrative Code (OAC) and I agree to beneficially use biosolids in accordance with all applicable beneficial use requirements and restrictions established in OAC 3745-40.
3. Any changes that were found at the site require the need to adhere to additional site restrictions, but do not affect the site's overall suitability for the beneficial use of biosolids.
4. I agree to maintain all applicable records required by OAC 3745-40.

Mike G  
Signature

11 / 3 / 2021  
Date

WWTP Operator  
Title

Ohio EPA - Division of Surface Water  
Class B Beneficial Use Site Re-Certification

Ohio Administrative Code (OAC) 3745-40-06(F) requires the permittee to certify that prior to beneficial use, each authorized beneficial use site was evaluated for changes at or near the beneficial use site that may affect site restrictions.

If changes have occurred at or near the beneficial use site, the permittee shall comply with all applicable site restrictions in OAC 3745-40.

<b>Treatment Works: City of Sidney WWTP</b>		<b>NPDES Permit #: 1PD00009*RD</b>	
<b>Ohio EPA Site I.D.: 75-00076</b>		<b>Field Site I.D.:SSW-2</b>	
<b>Date site authorized: Jan 21, 2009</b>			
<b>Date site evaluated for changes: November 10, 2021</b>			
<b>Date(s) of beneficial use:</b> 11-11-21			
<b>Were changes found at the site since original approval for the beneficial use of biosolids?</b> <p>No <input type="checkbox"/> If no changes, sign Certification Statement on Form BUR-2.</p> <p>Yes <input checked="" type="checkbox"/> If changes, complete section below and sign Certification Statement on Form BUR-2.</p>			
<b>Changes found at site since original approval</b> (check all that apply; provide description and attach maps as needed):			
		<b>Description</b> (ex: new home with well on east side of site)	
New occupied structure or school within 300 feet of site		<input type="checkbox"/>	
New private potable water source within 300 feet of site		<input type="checkbox"/>	
New medical care facility within 1,000 feet of site		<input type="checkbox"/>	
Change in sanitary isolation distance of public water system		<input type="checkbox"/>	
Addition of, or change in, subsurface tile drainage		<input type="checkbox"/>	
Changes in crops to be grown		<input type="checkbox"/>	
New site owner, site operator, or beneficial user (If Yes, submit updated applicable BUA Form.)		<input type="checkbox"/>	
Other:		<input checked="" type="checkbox"/>	Grass drainage marked as setback.
Other:		<input type="checkbox"/>	

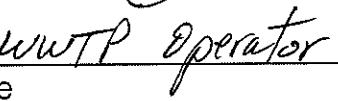
Ohio EPA - Division of Surface Water  
Class B Beneficial Use Site Re-Certification

**Certification Statement**

1. 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 ensure 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.
2. I have read and understand Chapter 3745-40 of the Ohio Administrative Code (OAC) and I agree to beneficially use biosolids in accordance with all applicable beneficial use requirements and restrictions established in OAC 3745-40.
3. Any changes that were found at the site require the need to adhere to additional site restrictions, but do not affect the site's overall suitability for the beneficial use of biosolids.
4. I agree to maintain all applicable records required by OAC 3745-40.

  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
11 / 10 / 2021  
Date

  
\_\_\_\_\_  
Title

RIVER

WE-1  
37.95 Acres

SSW1  
38.43 Acres

SSW2  
40.38 Acres  
2.8 Acre Setback for grass waterway 2021

KIRKWOOD

4330

3457

YOU-3  
29.64 Acres

22

