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## Division of Surface Water

### Instructions for Completing and Submitting an Application for Authorization: Class B Beneficial Use Sites

Ohio EPA requests that all application be submitted a minimum of forty-five days prior to the date when the beneficial use of Class B biosolids is reasonably anticipated to occur on a beneficial use site.

Please be aware that *Applications for Authorization for Class B Beneficial Use Sites* are processed in the order that they are received.

#### 1. **Application for Authorization: Class B Beneficial Use Sites**

A complete *Application for Authorization: Class B Beneficial Use Sites* shall consist of the following information:

- A. Forms BUA-1, BUA-2, BUA-3, BUA-4, and BUA-5;
- B. A soil map of the proposed beneficial use site (PBUS);
- C. A soil map of the PBUS that identifies the flooding frequency class for each type of soil present;
- D. A copy of the most recent soil test results;
- E. An aerial map of the PBUS that clearly identifies:
  - i. The entrance of the PBUS from the nearest road<sup>1</sup>;
  - ii. Expected biosolids offloading locations;
  - iii. Expected biosolids field storage areas, if applicable;
  - iv. Expected dragline locations, if applicable; and
  - v. All applicable isolation distances as established within Ohio Administrative Code (OAC) Chapter 3745-40-08<sup>2</sup>;

<sup>1</sup> The entrance to each PBUS must be clearly depicted on the aerial map to show how each field can be accessed from the nearest township, county, or state roadway.

<sup>2</sup> Changes to the area surrounding a field may change over time. New occupied buildings, wells, and other developments that require changes to existing isolation distances may occur. It is the responsibility of the treatment works and the beneficial user to note any changes that have occurred in the vicinity of an authorized beneficial use site and follow all required isolation distances accordingly.

F. A vicinity road map at or near the township level that clearly identifies:

- i. The PBUS; and
- ii. All roads with a label.

**2. Form BUA-1 – Biosolids Treatment Works Information**

The Ohio NPDES permit # 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. For example, 0PA00000\*AD. The mailing address is the mailing address for the treatment works. Please refer to the *Signatory Requirements* section, item No. 7, of the instructions for completing the certification statement.

**3. Form BUA-2 – Owner Consent for Beneficial Use**

For purposes of this form, beneficial use site owner means the person who owns the legal rights to the PBUS. Please refer to the *Signatory Requirements* section, item No. 7, of the instructions for completing the certification statement.

**4. Form BUA-3 – Beneficial Use Site Operator Consent for Beneficial Use**

For purposes of this form, beneficial use site operator means the person who plants, grows, harvests or otherwise manages feed crops, fiber crops, food crops or pasture land on the PBUS. Please refer to the *Signatory Requirements* section, item No. 7, of the instructions for completing the certification statement.

**5. Form BUA-4 – Beneficial User Consent**

For purposes of this form, the beneficial user means the person who sprays or spreads class B biosolids onto the surface of the beneficial use site, injects below the surface of the beneficial use site, or incorporates into the soil of the beneficial use site, for the purpose of providing an agronomic benefit,. Please refer to instruction item No. 7 for the signatory requirements of the consent agreement. Beneficial user means the person or company who will beneficially use the biosolids at the PBUS.

**6. Form BUA-5 – Beneficial Use Site Information**

The Ohio EPA Site I.D. shall be left blank. Form BUA-5 must be completed for each PBUS and may be copied if necessary. The following information serves to provide clarification of many of the sections detailed on Form BUA-5.

- A. "Field site I.D." means the unique identification given to a PBUS by the treatment works or beneficial user for the purpose of identifying an agricultural field where the beneficial use of biosolids is proposed.
- B. "Beneficial use site location" means the address of the PBUS (if available) or a general description of the location of the PBUS.
- C. "County" means the county where the PBUS is located.
- D. "Township" means the township where the PBUS is located.
- E. "Latitude" and "Longitude" refer to the global positioning system (GPS) coordinates for the approximate center of the PBUS. The latitude and longitude **may be provided in** decimal format (6 decimals) as indicated in the following example (i.e,

Latitude: 39.958832 N, Longitude: -83.001022 W) or in degrees minutes seconds format as indicated in the following example (39d 58' 40" N 80d 30' 40" W). These coordinates can be determined through the use of GPS receivers and web-based tools. An example of a web-based tool to determine your site's latitude and longitude is Google Maps. Here are instructions for Google Maps:

- i. Go to <http://maps.google.com>;
  - ii. Zoom the map to the location of your site;
  - iii. Right-click on the map at the approximate center of your site;
  - iv. Select "What's here?" from the context menu; and
  - v. Left-click on the green arrow. The latitude and longitude of your site will be displayed in the box.
- F. "Total acreage proposed for beneficial use" means the total acreage of the PBUS where the beneficial use of biosolids is proposed to occur. This acreage may not be the total acreage associated with the parcel(s) associated with a specific farm.
- G. "Type of beneficial use to be performed" refers to the type of beneficial use method to be utilized at the PBUS.
- H. "Soil phosphorus" means the analytical result, expressed on a dry weight basis (mg/kg), of the PBUS's soil phosphorus level. The type of analysis performed (Bray Kurtz P1 or Mehlich 3) must be indicated;
- I. "Soil pH" means the analytical result, expressed in standard units, of the PBUS's soil pH.

**Comment:** For items H and I, soil samples can be collected at any time; however, it is recommended to obtain the soil sample prior to spring planting. A soil probe, auger, spade, or garden trowel can be used to sample soil. A plastic bucket should be used to collect soil grab samples. Each composite sample should represent fifteen to twenty acres of uniform area (uniform in soil series, slope, drainage, erosion, and fertilizer application (including sewage sludge)) and less than five acres of rolling land. Generally, any area that is large enough to spread separately should be sampled separately. Grab samples should be taken seventy-five to one hundred feet apart with a minimum of fifteen grab samples in a composite sample. Low spots or other unusual areas (biosolids stockpiling area or liming material and fertilizer spills) should be omitted or sampled separately. For row crops, samples should be taken between rows. For establishing grass pasture crops, samples should be collected to the rooting zone (three to four inches). All grab samples should be broken up and mixed thoroughly before a composite sample is taken.

- J. "Bedrock depth" means the distance, in feet, from the surface of the PBUS to the continuous or connected solid rock covered by soil or glacial deposits;
- K. "Ground slope percent" means refers to any portion of the PBUS that falls into the specific ground slope percent ranges. Please note that more than one ground slope percent range may be selected.

- L. "Type of crops to be grown" and "expected yield" refer to the crop to be grown on the PBUS and the expected yield of the crop;
- M. "Soil types" information can be can be obtained from the United States Department of Agriculture's web soil survey, which is available at the following website:  
  
<http://websoilsurvey.nrcs.usda.gov/app/>
- N. "Applicable isolation distances" refers to specific isolation distances that may restrict beneficial use on the PBUS. Please refer to Ohio Administrative Code Chapter 3745-40-08 for the specific requirements regarding isolation distances.

**7. Signatory Requirements**

Form BUA-1, Form BUA-2, Form BUA-3, and Form BUA-4 are required to be signed. The signatory requirements for signing these forms shall be in accordance of Title 40 of the Code of Federal Regulations, Part 122.22, which include the following:

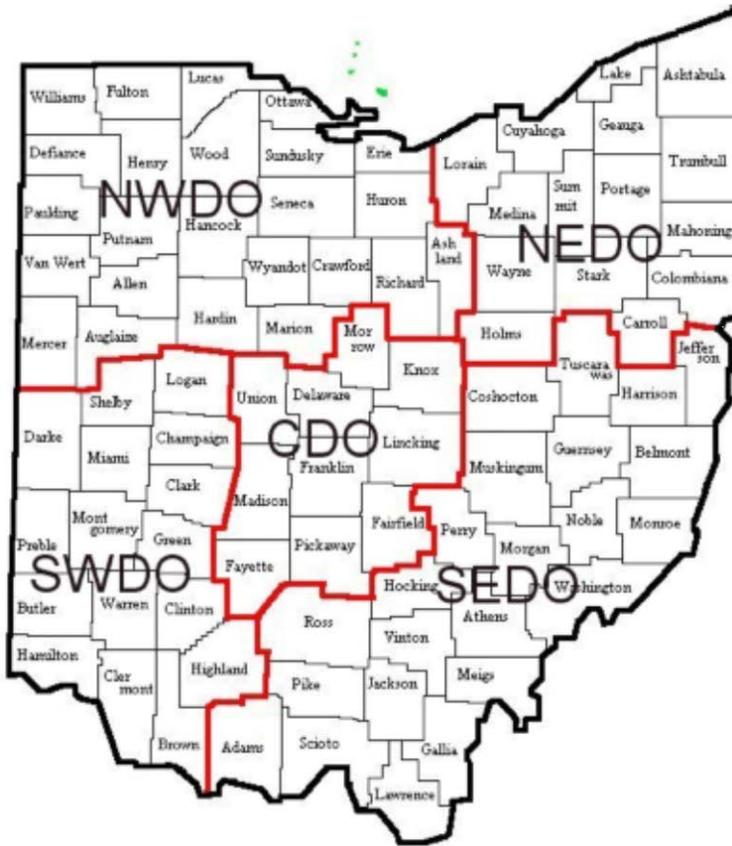
*For a corporation by a corporate officer or their duly authorized representative; For a partnership or sole proprietorship by a general partner or the proprietor or their duly authorized representative; or For a municipality, State, Federal, or other public agency by either a principal executive officer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

- A. Form BUA-1: This form must be signed by the operator of record of the treatment works;
- B. Form BUA-2: This form must be signed by the person who owns the legal rights to the PBUS;
- C. Form BUA-3: This form must be signed by the person who plants, grows, harvests or otherwise manages feed crops, fiber crops, food crops, or pasture land on the PBUS; and
- D. Form BUA-4: This form must be signed by the person who sprays or spreads onto the surface of the PBUS, injects below the surface of the PBUS, or incorporates into the soil of the PBUS, for the purpose of providing an agronomic benefit, class B biosolids.

<p><b>Comment:</b> The certification statements must be less than one year old at the time the <i>Application for Authorization: Class B Beneficial Use Sites</i> is submitted to Ohio EPA for review.</p>
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**8. Submittal Procedure**

The completed Ohio EPA BUA shall be submitted to the appropriate Ohio EPA District Office. A map and addresses are provided below:



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

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

For Central, Southeast, and Southwest districts, please submit to the Central Office at the address below:

Ohio EPA Division of Surface Water  
Attn: Betsy VanWormer, Sewage Sludge Coordinator  
PO Box 1049  
Columbus, OH 43216-1049