



# Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

## Application for Algicide Permit

This form is to be used to obtain an Algicide Permit pursuant to the requirements of 35 Ill. Adm. Code 602.103. This form may be completed online, a copy saved locally and printed before it is signed. You may also complete a printed copy manually. Submit two signed copies of this form to the Illinois EPA, Bureau of Water, Division of Public Water Supplies, Permit Section at the address listed above.

1. Name of Public Water Supply: \_\_\_\_\_

2. Municipality or Township: \_\_\_\_\_

3. Feeder stream from which raw water is obtained: \_\_\_\_\_

4. Impoundment from which water is obtained: \_\_\_\_\_

5. Location of Impoundment or intake: Quarter: \_\_\_\_\_ Section: \_\_\_\_\_  
Township: \_\_\_\_\_ Range: \_\_\_\_\_

6. Has an IEPA Algicide Permit been obtained previously?  Yes  No

Algicide Permit No.: \_\_\_\_\_ -FY \_\_\_\_\_ Date: \_\_\_\_\_

**Note:** If the applicant has previously obtained an algicide permit from this Agency:

- Items 1, 2, 6, 20 and 21 must be completed.
- Items 3 - 5, and 7 - 15 may be answered by inserting "same" in the appropriate space, unless there will be a change from the information contained in the previous permit application.
- Items 16 - 18 need only reflect the applicant's experience since the most recent Algicide permit was issued.

7. Level at which water is being obtained: \_\_\_\_\_ feet below top of inlet structure

8. Surface area of impoundment: \_\_\_\_\_ acres

9. Average depth of impoundment: \_\_\_\_\_ feet

10. Maximum depth of impoundment: \_\_\_\_\_ feet

11. Volume of impoundment: \_\_\_\_\_ gallons (acre-feet, cubic feet, etc.)

12. Approximate number of copper sulfate treatments to be made during the algae season: \_\_\_\_\_

13. Amount of copper sulfate to be used for each treatment: \_\_\_\_\_ pounds

14. Approximate time interval between each treatment: \_\_\_\_\_ days

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42).

15. Describe the method that will be used to apply copper sulfate. This is to include information such as the method by which copper sulfate will be introduced to the water; the strength of copper sulfate solution if the method of treatment is by spraying; the areas of the impoundment to be treated; the route the boat will take during copper sulfate treatment; and other details pertinent to the treatment

16. Provide a brief history of algae problems, along with a description of the methods of control, including the types and amounts of chemicals used, frequencies of treatment, and the range of months in which algae has historically been treated.

17. Describe any adverse effects algae has had on the various treatment processes within the water plant and any adverse effects algae has had on finished water quality.

18. Describe any fish kills, which have resulted from copper sulfate treatment.

19. Water Samples:

A total of four water samples are required and must be collected for each copper sulfate application. Sample bottles will be provided by the Agency upon request. After all the samples are collected, they are to be submitted together to the Illinois Environmental Protection Agency laboratory within five days. Water samples are to be collected at the following locations and times.

1. One sample before treatment from an area representative of the reservoir other than the raw water intake and which will receive a normal copper sulfate dosage.
2. One sample from the same location as that in (1) above, collected immediately after copper sulfate treatment.
3. One sample from the same location as that in (1) above, collected approximately 24 hours following copper sulfate treatment.
4. One sample from the raw water intake, collected approximately 24 hours following copper sulfate treatment.

20. Certified Water Supply Operator in responsible charge of copper sulfate applications.

Name of Certified Operator: \_\_\_\_\_

Certified Class: \_\_\_\_\_

Certificate Expiration Date: \_\_\_\_\_

Title: \_\_\_\_\_

*Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

21. Certificate by Owner(s) or Official Custodian(s) of the Public Water Supplies (or agent)

Name of Public Water Supply: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

I (we) hereby certify that the information contained in this application is true and correct to the best of my (our) knowledge and that representative water samples will be collected from the impoundment and submitted to the Illinois Environmental Protection Agency laboratory for analyses in accordance with item 19 of the application.

*Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**FOR IEPA USE ONLY**

This application, when approved by the Illinois Environmental Protection Agency, constitutes the Algicide Permit.

This Permit is issued under authority granted by 35 Ill. Adm. Code 602.

This Algicide Permit No. \_\_\_\_\_ -FY \_\_\_\_\_ is issued on \_\_\_\_\_

and is valid until \_\_\_\_\_. This permit is valid only for the stream and impoundment named in items 3 and 4

and for the conditions specified in items 12 - 14 of the application for this permit.

\_\_\_\_\_  
Chris Johnston, P.E.  
Interim Manager, Permit Section  
Division of Public Water Supplies