



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
FISH AND BOAT COMMISSION



**JOINT PERMIT FOR USE OF AN ALGICIDE, HERBICIDE OR FISH CONTROL CHEMICAL IN
WATERS OF THE COMMONWEALTH**

PERMIT NO.: 2526804

In compliance with the provisions of Pennsylvania's Clean Streams Law, as amended, 35 P.S. §§ 691.1 *et seq.*, the regulations at 25 Pa. Code § 91.38, and the Fish and Boat Code, 30 Pa. C.S. § 2504(a)(1),

**Willow Farms LLC
8282 Crane Road
Cranesville, PA 16410-9528**

is authorized to use the algicide(s), herbicide(s) or fish control chemical(s) ("pesticides") specified below, in accordance with the conditions and requirements set forth herein.

THIS PERMIT SHALL BECOME EFFECTIVE ON JUNE 30, 2026

Municipality:	<u>Franklin Township</u>	County:	<u>Erie</u>
Water Body:	<u>Pond #1</u>	Total Area:	<u>4.22</u> acres
Receiving Stream:	<u>Unnamed Tributary 62542 To Little Elk Creek</u>	Avg Depth:	<u>5.6</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Plus	1.0 gal/AF	4.22 acres	5.6 feet	23.63 gal	10
Aquathol K	1.5 gal/AF	4.22 acres	5.6 feet	35.45 gal	5
Tribune	1.0 gal/SA	4.22 acres	5.6 feet	4.22 gal	5
Clipper SC	12 fl oz/SA	4.22 acres	1.0 feet	50.6 oz	6
SeClear G	15 lbs/AF	2.11 acres	5.6 feet	177.2 lbs	10
Cinco	0.5 gal/SA	0.20 acres	0.0 feet	0.1 gal	3
GreenCleanPro	50 lbs/SA	4.22 acres	5.6 feet	211 lbs	10
MuckBiotics	25 lbs/SA	4.22 acres	5.6 feet	105.5 lbs	5
EutroSorb WC	10 PDU/AF	4.22 acres	5.6 feet	236.3 PDU	3
Sonar One	14 lbs/SA	4.22 acres	5.6 feet	59.1 lbs	2

Municipality:	<u>Franklin Township</u>	County:	<u>Erie</u>
Water Body:	<u>Pond #2</u>	Total Area:	<u>1.23</u> acres
Receiving Stream:	<u>Unnamed Tributary 62542 To Little Elk Creek</u>	Avg Depth:	<u>3.8</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Plus	1.0 gal/AF	1.23 acres	3.8 feet	4.67 gal	10

Aquathol K	1.5 gal/AF	1.23 acres	3.8 feet	7.01 gal	5
Tribune	1.0 gal/SA	1.23 acres	3.8 feet	1.23 gal	5
Clipper SC	12 fl oz/SA	1.23 acres	1.0 feet	14.8 oz	6
SeClear G	15 lbs/AF	0.62 acres	3.8 feet	35.34 lbs	10
Cinco	0.5 gal/SA	0.20 acres	0.0 feet	0.1 gal	3
GreenCleanPro	50 lbs/SA	1.23 acres	3.8 feet	61.5 lbs	10
MuckBiotics	25 lbs/SA	1.23 acres	3.8 feet	30.75 lbs	5
EutroSorb WC	10 PDU/AF	1.23 acres	3.8 feet	46.7 PDU	3
Sonar One	9.5 lbs/SA	1.23 acres	3.8 feet	11.69 lbs	2

Municipality: Franklin Township **County:** Erie
Water Body: Pond #3 **Total Area:** 0.84 acres
Receiving Stream: Unnamed Tributary 62542 To Little Elk Creek **Avg Depth:** 5.9 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Plus	1.0 gal/AF	0.84 acres	5.9 feet	4.96 gal	10
Aquathol K	1.5 gal/AF	0.84 acres	5.9 feet	7.43 gal	5
Tribune	1.0 gal/SA	0.84 acres	5.9 feet	0.84 gal	5
Clipper SC	12 fl oz/SA	0.84 acres	1.0 feet	10.1 oz	6
SeClear G	15 lbs/AF	0.42 acres	5.9 feet	37.17 lbs	10
Cinco	0.5 gal/SA	0.20 acres	0.0 feet	0.1 gal	3
GreenCleanPro	50 lbs/SA	0.84 acres	5.9 feet	42 lbs	10
MuckBiotics	25 lbs/SA	0.84 acres	5.9 feet	21 lbs	5
EutroSorb WC	10 PDU/AF	0.84 acres	5.9 feet	49.6 PDU	3
Sonar One	14.75 lbs/SA	0.84 acres	5.9 feet	12.4 lbs	2

Municipality: Franklin Township **County:** Erie
Water Body: Pond #4 **Total Area:** 1.18 acres
Receiving Stream: Unnamed Tributary 62542 To Little Elk Creek **Avg Depth:** 3.8 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Plus	1.0 gal/AF	1.18 acres	3.8 feet	4.48 gal	10
Aquathol K	1.5 gal/AF	1.18 acres	3.8 feet	6.73 gal	5
Tribune	1.0 gal/SA	1.18 acres	3.8 feet	1.18 gal	5
Clipper SC	12 fl oz/SA	1.18 acres	1.0 feet	14.2 oz	6
SeClear G	15 lbs/AF	0.59 acres	3.8 feet	33.6 lbs	10

Cinco	0.5 gal/SA	0.20 acres	0.0 feet	0.1 gal	3
GreenCleanPro	50 lbs/SA	1.18 acres	3.8 feet	59 lbs	10
MuckBiotics	25 lbs/SA	1.18 acres	3.8 feet	29.5 lbs	5
EutroSorb WC	10 PDU/AF	1.18 acres	3.8 feet	44.8 PDU	3
Sonar One	9.5 lbs/SA	1.18 acres	3.8 feet	11.2 lbs	2

Municipality: Franklin Township **County:** Erie
Water Body: Pond #5 **Total Area:** 1.21 acres
Receiving Stream: Unnamed Tributary 62542 To Little Elk Creek **Avg Depth:** 4.9 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Plus	1.0 gal/AF	1.21 acres	4.9 feet	5.93 gal	10
Aquathol K	1.5 gal/AF	1.21 acres	4.9 feet	8.89 gal	5
Tribune	1.0 gal/SA	1.21 acres	4.9 feet	1.21 gal	5
Clipper SC	12 fl oz/SA	1.21 acres	1.0 feet	14.5 oz	6
SeClear G	15 lbs/AF	0.61 acres	4.9 feet	44.8 lbs	10
Cinco	0.5 gal/SA	0.20 acres	0.0 feet	0.1 gal	3
GreenCleanPro	50 lbs/SA	1.21 acres	4.9 feet	60.5 lbs	10
MuckBiotics	25 lbs/SA	1.21 acres	4.9 feet	30.25 lbs	5
EutroSorb WC	10 PDU/AF	1.21 acres	4.9 feet	59.3 PDU	3
Sonar One	12.25 lbs/SA	1.21 acres	4.9 feet	14.8 lbs	2

Municipality: Franklin Township **County:** Erie
Water Body: Pond #6 **Total Area:** 2.43 acres
Receiving Stream: Unnamed Tributary 62542 To Little Elk Creek **Avg Depth:** 2.8 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Plus	1.0 gal/AF	2.43 acres	2.8 feet	6.8 gal	10
Aquathol K	1.5 gal/AF	2.43 acres	2.8 feet	10.2 gal	5
Tribune	1.0 gal/SA	2.43 acres	2.8 feet	2.43 gal	5
Clipper SC	12 fl oz/SA	2.43 acres	1.0 feet	29.2 oz	6
SeClear G	15 lbs/AF	1.22 acres	2.8 feet	51.2 lbs	10
Cinco	0.5 gal/SA	0.50 acres	0.0 feet	0.25 gal	3
GreenCleanPro	50 lbs/SA	2.43 acres	2.8 feet	121.5 lbs	10
MuckBiotics	25 lbs/SA	2.43 acres	2.8 feet	60.75 lbs	5
EutroSorb WC	7 PDU/AF	2.43 acres	2.8 feet	68 PDU	3
Sonar One	12.25 lbs/SA	2.43 acres	2.8 feet	17 lbs	2

THIS PERMIT IS ISSUED UNDER THE FOLLOWING CONDITIONS:

1. The permittee shall use pesticides strictly as described by the product label. Chemical applications shall be performed in accordance with the manufacturer's label directions, existing pesticide use laws, and any conditions imposed by local or state agencies.
2. The permittee may treat a standing body of water (i.e., pond, lake, reservoir, etc.) only when there is minimal or no outflow occurring or expected.
3. The permittee shall not treat Fish and Boat Commission approved stocked trout waters between February 15 and June 1.
4. The permittee shall not treat bass waters during the first week of the Commonwealth inland waters harvest season for bass (the second Saturday in June through the following Saturday).
5. If copper sulfate will be used, the permittee shall not apply copper sulfate at a dose exceeding 0.5 mg/L Cu^{2+} or 1.36 lbs CuSO_4 /acre-foot where the total hardness of the water body is less than 50 mg/L CaCO_3 . Where total hardness exceeds 50 mg/L CaCO_3 , the permittee shall not exceed a dose of 1.0 mg/L Cu^{2+} or 2.72 lbs CuSO_4 /acre-foot.
6. The permittee shall not treat water bodies containing stocked or wild trout with copper in excess of 0.1 mg/L Cu^{2+} .
7. The permittee shall treat water bodies containing very high plant densities separately, in sections, to prevent suffocation of fish. Monitoring of dissolved oxygen is recommended under these conditions.
8. The permittee is responsible for all damages to aquatic life and human health resulting from treatment.
9. Failure of the permittee or agents acting on behalf of the permittee to follow the approved specifications, conditions and requirements immediately renders this permit null and void.
10. If applicable, treatments must also comply with the terms and conditions of NPDES permit coverage.
11. The permittee shall comply with pesticide licensing requirements established by the Pennsylvania Department of Agriculture for the applications approved under this permit.
12. This permit is valid for the treatment information identified above. The permittee shall submit a new application to amend this permit if any of the following changes are proposed:
 - a. Changes to the water bodies being treated.
 - b. Increases in the maximum dose or to the number of annual treatments for any water body.
 - c. Changes in the pesticide(s) used for treatment, unless the new pesticide(s) contain the same active ingredient(s) and the same or lower percent composition of the ingredient in comparison to the pesticide(s) previously approved by DEP/PFBC.

APPROVALS		
For the Pennsylvania Fish and Boat Commission:		
	Division Chief	06/29/2026
Heather A. Gahagan	Title	Date
Additional Requirements:		
For the Department of Environmental Protection:		
Justin C. Dickey	Environmental Program Manager	6/29/2026
Justin C. Dickey, P.E.	Title	Date
Additional Requirements: N/A		