



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.: 5225804

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),

**Hemlock Farms Community Association
1007 Hemlock Farms
Lords Valley, PA 18428-9066**

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 AUGUST 1, 2025

Municipality:	Blooming Grove Township	County:	Pike
Water Body:	Hemlock Lake	Total Area:	101 acres
Receiving Stream:	UNT to Rock Hill Creek	Avg Depth:	6 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	40 acres	5 ft	240 gal	8
Tribune	2.0 gal/acre	40 acres	5 ft	80 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	40 acres	5 ft	3.75 gal	4
Sonar One	2.5 lbs/acre foot	40 acres	5 ft	500 lbs	2
Renovate Max G	90 lbs/acre foot	30 acres	5 ft	13,500 lbs	4
Aquaneat	0.75 gal/acre	15 acres	2 ft	11.25 gal	4
Habitat	0.75 gal/acre	15 acres	2 ft	11.25 gal	4
Clearcast	1.0 gal/acre	15 acres	2 ft	15 gal	4

Municipality: Blooming Grove Township **County:** Pike
Water Body: Mirror Pond **Total Area:** 0.5 acres
Receiving Stream: UNT to McConnell Creek **Avg Depth:** 2 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	0.25 acres	2 ft	0.6 gal	8
Tribune	2.0 gal/acre	0.25 acres	2 ft	0.5 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	0.25 acres	2 ft	3 oz	4
Sonar One	2.5 lbs/acre foot	0.5 acres	2 ft	2.5 lbs	2
Renovate Max G	90 lbs/acre foot	0.25 acres	2 ft	45 lbs	4
Aquaneat	0.75 gal/acre	0.1 acres	1 ft	0.075 gal	4
Habitat	0.75 gal/acre	0.1 acres	1 ft	0.075 gal	4
Clearcast	1.0 gal/acre	0.1 acres	1 ft	0.1 gal	4

Municipality: Blooming Grove Township **County:** Pike
Water Body: Wish For a Fish Pond **Total Area:** 2.8 acres
Receiving Stream: UNT to Rock Hill Creek **Avg Depth:** 3 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	1.4 acres	3 ft	5 gal	8
Tribune	2.0 gal/acre	1.4 acres	3 ft	2.8 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	1.4 acres	3 ft	16.8 oz	4
Sonar One	2.5 lbs/acre foot	2.8 acres	3 ft	21 lbs	2
Renovate Max G	90 lbs/acre foot	1.4 acres	3 ft	378 lbs	4
Aquaneat	0.75 gal/acre	0.3 acres	1 ft	0.225 gal	4
Habitat	0.75 gal/acre	0.3 acres	1 ft	0.225 gal	4
Clearcast	1.0 gal/acre	0.3 acres	1 ft	0.3 gal	4

Municipality: Blooming Grove Township **County:** Pike
Water Body: Willow Pond **Total Area:** 1.25 acres
Receiving Stream: UNT to McConnell Creek **Avg Depth:** 3 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	0.625 acres	3 ft	2.25 gal	8
Tribune	2.0 gal/acre	0.625 acres	3 ft	1.25 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	0.625 acres	3 ft	7.5 oz	4
Sonar One	2.5 lbs/acre foot	1.25 acres	3 ft	9.375 lbs	2
Renovate Max G	90 lbs/acre foot	0.625 acres	3 ft	168.75 lbs	4
Aquaneat	0.75 gal/acre	0.25 acres	1 ft	0.188 gal	4
Habitat	0.75 gal/acre	0.25 acres	1 ft	0.188 gal	4
Clearcast	1.0 gal/acre	0.25 acres	1 ft	0.25 gal	4

Municipality: Blooming Grove Township **County:** Pike
Water Body: Saddlebrook Pond **Total Area:** 3 acres
Receiving Stream: UNT to Rock Hill Creek **Avg Depth:** 3 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	1.5 acres	3 ft	5.4 gal	8
Tribune	2.0 gal/acre	1.5 acres	3 ft	3 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	1.5 acres	3 ft	18 oz (0.14 gal)	4
Sonar One	2.5 lbs/acre foot	3 acres	3 ft	22.5 lbs	2
Renovate Max G	90 lbs/acre foot	1.5 acres	3 ft	405 lbs	4
Aquaneat	0.75 gal/acre	0.4 acres	1 ft	0.3 gal	4
Habitat	0.75 gal/acre	0.4 acres	1 ft	0.3 gal	4
Clearcast	1 gal/acre	0.4 acres	1 ft	0.4 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>Rim Rock Pond</u>	Total Area:	<u>4.8</u> acres
Receiving Stream:	<u>UNT to Maple Creek</u>	Avg Depth:	<u>4</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	2.4 acres	4 ft	11.5 gal	8
Tribune	2.0 gal/acre	2.4 acres	4 ft	4.8 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	2.4 acres	4 ft	0.225 gal	4
Sonar One	2.5 lbs/acre foot	4.8 acres	4 ft	48 lbs	2
Renovate Max G	90 lbs/acre foot	2.4 acres	4 ft	864 lbs	4
Aquaneat	0.75 gal/acre	0.5 acres	1 ft	0.375 gal	4
Habitat	0.75 gal/acre	0.5 acres	1 ft	0.375 gal	4
Clearcast	1.0 gal/acre	0.5 acres	1 ft	0.5 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>Lower Hemlock Lake</u>	Total Area:	<u>20</u> acres
Receiving Stream:	<u>UNT to Rock Hill Creek</u>	Avg Depth:	<u>5</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	10 acres	5 ft	60 gal	8
Tribune	2.0 gal/acre	10 acres	5 ft	20 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	10 acres	5 ft	0.938 gal	4
Sonar One	2.5 lbs/acre foot	20 acres	5 ft	250 lbs	2
Renovate Max G	90 lbs/acre foot	10 acres	5 ft	4,500 lbs	4
Aquaneat	0.75 gal/acre	10 acres	1 ft	7.5 gal	4
Habitat	0.75 gal/acre	10 acres	1 ft	7.5 gal	2
Clearcast	1.0 gal/acre	10 acres	1 ft	10 gal	4

Municipality: Blooming Grove Township **County:** Pike
Water Body: Rockwood Pond **Total Area:** 1.25 acres
Receiving Stream: UNT to Maple Creek **Avg Depth:** 3 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	0.625 acres	3 ft	2.25 gal	8
Tribune	2.0 gal/acre	0.625 acres	3 ft	1.25 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	0.625 acres	3 ft	7.5 oz	4
Sonar One	2.5 lbs/acre foot	1.25 acres	3 ft	9.375 lbs	2
Renovate Max G	90 lbs/acre foot	0.625 acres	3 ft	168.75 lbs	4
Aquaneat	0.75 gal/acre	0.25 acres	1 ft	0.188 gal	4
Habitat	0.75 gal/acre	0.25 acres	1 ft	0.188 gal	4
Clearcast	1.0 gal/acre	0.25 acres	1 ft	0.25 gal	4

Municipality: Blooming Grove Township **County:** Pike
Water Body: Little Bell Pond **Total Area:** 2.2 acres
Receiving Stream: UNT to McConnell Creek **Avg Depth:** 3 feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	1.1 acres	3 ft	3.96 gal	8
Tribune	2.0 gal/acre	1.1 acres	3 ft	2.2 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	1.1 acres	3 ft	13.2 oz	4
Sonar One	2.5 lbs/acre foot	2.2 acres	3 ft	16.5 lbs	2
Renovate Max G	90 lbs/acre foot	1.1 acres	3 ft	297 lbs	4
Aquaneat	0.75 gal/acre	0.2 acres	1 ft	0.15 gal	4
Habitat	0.75 gal/acre	0.2 acres	1 ft	0.15 gal	4
Clearcast	1.0 gal/acre	0.2 acres	1 ft	0.2 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>Ledgeway Pond</u>	Total Area:	<u>1.8</u> acres
Receiving Stream:	<u>UNT to Maple Creek</u>	Avg Depth:	<u>3</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	0.9 acres	3 ft	3.24 gal	8
Tribune	2.0 gal/acre	0.9 acres	3 ft	1.8 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	0.9 acres	3 ft	10.8 oz	4
Sonar One	2.5 lbs/acre foot	1.8 acres	3 ft	13.5 lbs	2
Renovate Max G	90 lbs/acre foot	0.9 acres	3 ft	243 lbs	4
Aquaneat	0.75 gal/acre	0.15 acres	1 ft	0.11 gal	4
Habitat	0.75 gal/acre	0.15 acres	1 ft	0.11 gal	4
Clearcast	1.0 gal/acre	0.15 acres	1 ft	0.15 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>Bluestone Pond</u>	Total Area:	<u>6</u> acres
Receiving Stream:	<u>UNT to McConnell Creek</u>	Avg Depth:	<u>4</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	3 acres	4 ft	14.4 gal	8
Tribune	2.0 gal/acre	3 acres	4 ft	6 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	3 acres	4 ft	36 oz (0.28 gal)	4
Sonar One	2.5 lbs/acre foot	6 acres	4 ft	60 lbs	2
Renovate Max G	90 lbs/acre foot	3 acres	4 ft	1080 lbs	4
Aquaneat	0.75 gal/acre	3 acres	1 ft	2.25 gal	4
Habitat	0.75 gal/acre	3 acres	1 ft	2.25 gal	2
Clearcast	1.0 gal/acre	3 acres	1 ft	3 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>Elm Lake</u>	Total Area:	<u>32</u> acres
Receiving Stream:	<u>York Creek</u>	Avg Depth:	<u>4</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	16 acres	4 ft	76.8 gal	8
Tribune	2.0 gal/acre	16 acres	4 ft	32 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	16 acres	4 ft	1.5 gal	4
Sonar One	2.5 lbs/acre foot	32 acres	4 ft	320 lbs	2
Renovate Max G	90 lbs/acre foot	16 acres	4 ft	5760 lbs	4
Aquaneat	0.75 gal/acre	2 acres	1 ft	1.5 gal	4
Habitat	0.75 gal/acre	2 acres	1 ft	1.5 gal	4
Clearcast	1.0 gal/acre	2 acres	1 ft	2.0 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>Falling Brook Pond</u>	Total Area:	<u>0.9</u> acres
Receiving Stream:	<u>UNT to Rock Hill Creek</u>	Avg Depth:	<u>3</u> feet


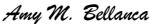
TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	0.45 acres	3 ft	1.62 gal	8
Tribune	2.0 gal/acre	0.45 acres	3 ft	0.9 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	0.45 acres	3 ft	5.4 oz	4
Sonar One	2.5 lbs/acre foot	45 acres	3 ft	6.75 lbs	2
Renovate Max G	90 lbs/acre foot	0.9 acres	3 ft	121.5 lbs	4
Aquaneat	0.75 gal/acre	0.1 acres	1 ft	0.075 gal	4
Habitat	0.75 gal/acre	0.1 acres	1 ft	0.075 gal	4
Clearcast	1.0 gal/acre	0.1 acres	1 ft	0.1 gal	4

Municipality:	<u>Blooming Grove Township</u>	County:	<u>Pike</u>
Water Body:	<u>McConnell Lake</u>	Total Area:	<u>98</u> acres
Receiving Stream:	<u>McConnell Creek</u>	Avg Depth:	<u>4</u> feet

TREATMENT INFORMATION					
Chemical	Maximum Dose	Treatment Area	Treatment Depth	Amount Each Treatment	No. Annual Treatments
Citrine Ultra	1.2 gal/acre foot	45 acres	4 ft	216 gal	8
Tribune	2.0 gal/acre	45 acres	4 ft	90 gal	4
Flumigard SC	12 oz (0.09375 gal)/acre	45 acres	4 ft	4.22 gal	4
Sonar One	2.5 lbs/acre foot	45 acres	4 ft	450 lbs	2
Renovate Max G	90 lbs/acre foot	25 acres	4 ft	9000 lbs	4
Aquaneat	0.75 gal/acre	10 acres	1 ft	7.5 gal	4
Habitat	0.75 gal/acre	10 acres	1 ft	7.5 gal	4
Clearcast	1.0 gal/acre	10 acres	1 ft	10 gal	4

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 Cu²⁺ or 1.36 lbs CuSO₄/acre-foot where the total hardness of the water body is less than 50 mg/L CaCO₃. Where total hardness exceeds 50 mg/L CaCO₃, the permittee shall not exceed a dose of 1.0 mg/L Cu²⁺ or 2.72 lbs CuSO₄/acre-foot.
6. The permittee shall not treat water bodies containing stocked or wild trout with copper in excess of 0.1 mg/L Cu²⁺.
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	08/01/2025
Heather Gahagan	Title	Date
Additional Requirements: None		
For the Department of Environmental Protection:		
	Environmental Program Manager	08/01/2025
Amy M. Bellanca, P.E.	Title	Date
Additional Requirements: For Hemlock Lake and McConnell Lake, chemicals shall not be applied outside the designated treatment areas (see attached maps).		

