



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.: 2223803 A-2**

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),

**Milton Hershey School  
1201 Homestead Lane  
Hershey, PA 17033-8818**

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 27, 2024**

|                          |                               |                    |                   |
|--------------------------|-------------------------------|--------------------|-------------------|
| <b>Municipality:</b>     | <u>Derry Township</u>         | <b>County:</b>     | <u>Dauphin</u>    |
| <b>Water Body:</b>       | <u>Pennland Pond</u>          | <b>Total Area:</b> | <u>1.21</u> acres |
| <b>Receiving Stream:</b> | <u>UNT 09513 Spring Creek</u> | <b>Avg Depth:</b>  | <u>4.0</u> feet   |

| TREATMENT INFORMATION |              |                |                 |                       |                       |
|-----------------------|--------------|----------------|-----------------|-----------------------|-----------------------|
| Chemical              | Maximum Dose | Treatment Area | Treatment Depth | Amount Each Treatment | No. Annual Treatments |
| Sonar A.S.            | 0.24 gal/SA  | 1.21 acres     | 4.0 feet        | 0.29 gal              | 1                     |
| Captain XTR           | 3 gal/AF     | 0.61 acres     | 4.0 feet        | 7.260 gal             | 8                     |
| Weedtrine D           | 10 gal/SA    | 1.21 acres     | 4.0 feet        | 12.1 gal              | 3                     |
| Clearcast             | 1 gal/SA     | 1.21 acres     | 4.0 feet        | 1.21 gal              | 3                     |
| Komeen                | 3.34 gal/AF  | 0.61 acres     | 4.0 feet        | 8.083 gal             | 8                     |
| PAK 27                | 100 lb/AF    | 0.61 acres     | 4.0 feet        | 242 lb                | 5                     |
| Renovate 3            | 2.3 gal/AF   | 1.21 acres     | 4.0 feet        | 11.132 gal            | 5                     |
| Flumioxazin 51% WDG   | 1.1 lb/AF    | 0.61 acres     | 4.0 feet        | 2.662 lb              | 8                     |
| Aquaneat              | 0.375 gal/SA | 0.40 acres     | 4.0 feet        | 0.150 gal             | 4                     |
| Aquathol Super K      | 22 lb/AF     | 1.21 acres     | 4.0 feet        | 106.480 lb            | 8                     |

**Municipality:** Derry Township  
**Water Body:** Memorial Pond  
**Receiving Stream:** UNT 09513 Spring Creek

**County:** Dauphin  
**Total Area:** 1.70 acres  
**Avg Depth:** 4.0 feet

| TREATMENT INFORMATION |              |                |                 |                       |                       |
|-----------------------|--------------|----------------|-----------------|-----------------------|-----------------------|
| Chemical              | Maximum Dose | Treatment Area | Treatment Depth | Amount Each Treatment | No. Annual Treatments |
| Sonar A.S.            | 0.24 gal/SA  | 1.70 acres     | 4.0 feet        | 0.41 gal              | 1                     |
| Captain XTR           | 3 gal/AF     | 0.85 acres     | 4.0 feet        | 10.20 gal             | 8                     |
| Weedtrine D           | 10 gal/SA    | 1.70 acres     | 4.0 feet        | 17 gal                | 3                     |
| Clearcast             | 1 gal/SA     | 1.70 acres     | 4.0 feet        | 1.7 gal               | 3                     |
| Komeen                | 3.34 gal/AF  | 0.85 acres     | 4.0 feet        | 11.356 gal            | 8                     |
| PAK 27                | 100 lb/AF    | 0.85 acres     | 4.0 feet        | 340 lb                | 5                     |
| Renovate 3            | 2.3 gal/AF   | 1.70 acres     | 4.0 feet        | 15.64 gal             | 5                     |
| Flumioxazin 51% WDG   | 1.1 lb/AF    | 0.85 acres     | 4.0 feet        | 3.740 lb              | 8                     |
| Aquaneat              | 0.375 gal/SA | 0.56 acres     | 4.0 feet        | 0.210 gal             | 4                     |
| Aquathol Super K      | 22 lb/AF     | 1.70 acres     | 4.0 feet        | 149.60 lb             | 8                     |

**Municipality:** Derry Township  
**Water Body:** Founders Pond  
**Receiving Stream:** UNT 09513 Spring Creek

**County:** Dauphin  
**Total Area:** 2.99 acres  
**Avg Depth:** 4.0 feet

| TREATMENT INFORMATION |              |                |                 |                       |                       |
|-----------------------|--------------|----------------|-----------------|-----------------------|-----------------------|
| Chemical              | Maximum Dose | Treatment Area | Treatment Depth | Amount Each Treatment | No. Annual Treatments |
| Sonar A.S.            | 0.24 gal/SA  | 2.99 acres     | 4.0 feet        | 0.72 gal              | 1                     |
| Captain XTR           | 3 gal/AF     | 1.50 acres     | 4.0 feet        | 17.940 gal            | 8                     |
| Weedtrine D           | 10 gal/SA    | 2.99 acres     | 4.0 feet        | 29.9 gal              | 3                     |
| Clearcast             | 1 gal/SA     | 2.99 acres     | 4.0 feet        | 2.99 gal              | 3                     |
| Komeen                | 3.34 gal/AF  | 1.50 acres     | 4.0 feet        | 19.973 gal            | 8                     |
| PAK 27                | 100 lb/AF    | 1.50 acres     | 4.0 feet        | 598 lb                | 5                     |
| Renovate 3            | 2.3 gal/AF   | 2.99 acres     | 4.0 feet        | 27.508 gal            | 5                     |
| Flumioxazin 51% WDG   | 1.1 lb/AF    | 1.50 acres     | 4.0 feet        | 6.578 lb              | 8                     |
| Aquaneat              | 0.375 gal/SA | 0.99 acres     | 4.0 feet        | 0.370 gal             | 4                     |
| Aquathol Super K      | 22 lb/AF     | 2.99 acres     | 4.0 feet        | 263.120 lb            | 8                     |

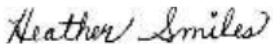
|                          |                               |                    |                   |
|--------------------------|-------------------------------|--------------------|-------------------|
| <b>Municipality:</b>     | <u>Derry Township</u>         | <b>County:</b>     | <u>Dauphin</u>    |
| <b>Water Body:</b>       | <u>Tapawingo Pond</u>         | <b>Total Area:</b> | <u>1.29</u> acres |
| <b>Receiving Stream:</b> | <u>UNT 09513 Spring Creek</u> | <b>Avg Depth:</b>  | <u>4.0</u> feet   |

| TREATMENT INFORMATION |              |                |                 |                       |                       |
|-----------------------|--------------|----------------|-----------------|-----------------------|-----------------------|
| Chemical              | Maximum Dose | Treatment Area | Treatment Depth | Amount Each Treatment | No. Annual Treatments |
| Sonar A.S.            | 0.24 gal/SA  | 1.29 acres     | 4.0 feet        | 0.31 gal              | 1                     |
| Captain XTR           | 3 gal/AF     | 0.65 acres     | 4.0 feet        | 7.740 gal             | 8                     |
| Weedtrine D           | 10 gal/SA    | 1.29 acres     | 4.0 feet        | 12.9 gal              | 3                     |
| Clearcast             | 1 gal/SA     | 1.29 acres     | 4.0 feet        | 1.29 gal              | 3                     |
| Komeen                | 3.34 gal/AF  | 0.65 acres     | 4.0 feet        | 8.617 gal             | 8                     |
| PAK 27                | 100 lb/AF    | 0.65 acres     | 4.0 feet        | 258 lb                | 5                     |
| Renovate 3            | 2.3 gal/AF   | 1.29 acres     | 4.0 feet        | 11.868 gal            | 5                     |
| Flumioxazin 51% WDG   | 1.1 lb/AF    | 0.65 acres     | 4.0 feet        | 2.838 lb              | 8                     |
| Aquaneat              | 0.375 gal/SA | 0.43 acres     | 4.0 feet        | 0.160 gal             | 4                     |
| Aquathol Super K      | 22 lb/AF     | 1.29 acres     | 4.0 feet        | 113.520 lb            | 8                     |

**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  $\text{Cu}^{2+}$  or 1.36 lbs  $\text{CuSO}_4$ /acre-foot where the total hardness of the water body is less than 50 mg/L  $\text{CaCO}_3$ . Where total hardness exceeds 50 mg/L  $\text{CaCO}_3$ , the permittee shall not exceed a dose of 1.0 mg/L  $\text{Cu}^{2+}$  or 2.72 lbs  $\text{CuSO}_4$ /acre-foot.
6. The permittee shall not treat water bodies containing stocked or wild trout with copper in excess of 0.1 mg/L  $\text{Cu}^{2+}$ .
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:
- Changes to the water bodies being treated.
  - Increases in the maximum dose or to the number of annual treatments for any water body.
  - 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                                                                                                                        |                               |            |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|
| <b>For the Pennsylvania Fish and Boat Commission:</b>                                                                            |                               |            |
|                                                 | Division Chief                | 06/26/2024 |
| Heather Smiles                                                                                                                   | Title                         | Date       |
| <b>Additional Requirements:</b>                                                                                                  |                               |            |
| <b>For the Department of Environmental Protection:</b>                                                                           |                               |            |
| <i>Maria D. Bebenek</i>                                                                                                          | Environmental Program Manager | 06/27/2024 |
| Maria D. Bebenek, P.E.                                                                                                           | Title                         | Date       |
| <b>Additional Requirements:</b> It is a violation of Federal law to use this product in a manner inconsistent with its labeling. |                               |            |