

Application Type Renewal
Facility Type Pesticides
Permit Type Individual

**NPDES PERMIT FACT SHEET
PESTICIDES**

Application No. PA0065340
APS ID 777410
Authorization ID 1169268

Applicant and Facility Information

Applicant Name	<u>Stillwater Estates Property Owners Association (POA) a.k.a. SEPOA</u>	Facility Name	<u>Stillwater Lake Pesticide Treatment Areas</u>
Applicant Address	<u>382 Stillwater Drive Pocono Summit, PA 18346</u>	Facility Address	<u>382 Stillwater Drive Pocono Summit, PA 18346</u>
Applicant Contact	<u>Kelly DiPaolo</u>	Facility Contact	<u>William Kirkpatrick (agent/applicator)</u>
Applicant Phone	<u>(570) 839-7920</u>	Facility Phone	<u>(717) 264-9778</u>
Client ID	<u>84679</u>	Site ID	<u>760186</u>
SIC Code	<u>0782</u>	Municipality	<u>Coolbaugh & Tobyhanna Townships</u>
SIC Description	<u>Agriculture - Lawn And Garden Services</u>	County	<u>Monroe</u>
Date Application Received	<u>February 3, 2017</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>February 17, 2017</u>	EPA Waived	<u>No</u>
Purpose of Application	<u>Renewal of Individual Pesticides NPDES Permit.</u>		

Internal Review and Recommendations

This is an Individual Pesticides NPDES Permit Renewal Application for treating 220 acres of the 315 acres Stillwater Lake (on Upper Tunkhannock Creek, HQ-CWF, Stream ID# 4428) via the use of pesticides/herbicides for Weeds & Algae control within the June – August time-frames. **Joint PFBC Permit ID# NE-45-09-12 Application included in NPDES Permit Application. The renewed Joint Permit (25 Pa. Code Chapter 91.38 (2)) will be generated and issued with the Final NPDES Permit.**

Background:

- Stillwater Lake Dam No. 45-040 is a Class B-1 High Hazard Dam.
- Stillwater Lake is an average 5.0 feet deep.
- Stillwater Lake uses include (non-public) fishing and swimming per Application. Water not used for irrigation purposes per application.
- No PWS surface water intake within ten miles of lake discharge per application, as confirmed by E-maps.
- For-Hire Applicator/Agent: Aquatic Environmental Consultants Inc., PA Department of Agriculture Pesticide Certification #831328 BU1299
- Decision-maker: Stillwater POA, with the For-Hire Applicator acting as the agent/consultant for Stillwater POA.
- No changes have been proposed to previously approved pesticides or application rates. Therefore, no need for new DEP Biologist review.

Antidegradation: No degradation expected. No new, additional, or increased pesticide loadings are proposed in this renewal. Pesticides and application rates were previously approved.

- Compliance with the NPDES Permit and Pesticides Discharge Management Plant (PDMP) is expected to

Approve	Deny	Signatures	Date
X		James D. Berger, P.E. / Environmental Engineer	July 9, 2019
X		Amy M. Bellanca, P.E. / Environmental Engineer Manager	

Internal Review and Recommendations

minimize/prevent any associated negative impacts on the waters of the Commonwealth by this infrequent short-term use of limited amounts of pesticides. EPA previously evaluated the four pesticides via FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)

- Upper Tunkhannock Creek is subject to a TMDL (AMD metals including aluminum, manganese, and iron, plus pH) to which the approved pesticides will not contribute any significant loading. No degradation is expected.
- No adverse reaction noted in available Annual Pesticides Application Reports. Some years without application of a particular pesticide (i.e. pesticides used when needed).

Pesticides:

Pesticide	Dose	Treatment Area	Target Species
Reward (Diquat Dibromide) EPA Reg# 100-1091	1.0 gal/acre; 220 gallons, once per year	220 acres (Treatment Area 1)	Bladderwort
Aquathol-K (Endothall) EPA Reg# 70506-176	1.0 gal/acre-foot; 30 gallons, once per year	10 acres (Treatment Area 2)	Pondweeds
Aquaneat (Glyphosate) EPA Reg# 228-365	0.75 gal/acre; 2.25 gallons, once per year	3 acres (Treatment Area 3 includes two separate areas)	Water Lily & Water Shield*
Copper Sulfate (Pentahydrate)** EPA Reg# 81882-2	1.36 lbs/acre-foot; 326 pounds per treatment; twice per year	60 acres (Treatment Area 4)	Filamentous Algae & cyanobacteria

*Watershield is a type of water lily per the application.

**See NPDES Permit No. PA0065340 A-1 Fact Sheet for previous copper sulfate approval. See original NPDES Permit Fact Sheet for other pesticides.

Compliance History: No open violations per 7/2/2019 WMS Query (open violations per client).

Permit: PA0065340
Client ID: 84679
Client: All

Open Violations: 0

No data was found using the criteria entered. Please revise your choices and try again.

The (amended) NPDES Permit was administratively extended.

Part C Special Conditions: The previous NPDES Permit had three Part C Special Conditions with requirements not found in the standard Pesticide template conditions. They have been retained due to potential for EPA-approved label changes during the permit term:

- **Part C.I (COMPLIANCE WITH LABEL):** The permittee and applicator shall comply with the most recent EPA-approved pesticide label, developed in accordance with, and regulated by, the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). The applicator shall review the most recent EPA-approved pesticide label prior to each treatment/application.
- **Part C.II (AUTHORIZED PESTICIDE USE):** Pesticide use shall be in accordance with the attached Joint Permit for Use of an Algicide, Herbicide or Fish Control Chemical in Waters of the Commonwealth (Permit No. NE-45-09-12). The Draft Joint Permit has been updated to have an expiration date simultaneous with the NPDES Permit and to correct a copper usage rate typo error (2.72 lbs, not 2.27 lbs).
- **Part C.III (SIGNS):** Prior to each pesticide treatment/application, the permittee shall post signage regarding water usage restrictions (if any) in accordance with the most recent EPA-approved pesticide label recommendations at public access points to the lake.

